



# PHASE I ENVIRONMENTAL SITE ASSESSMENT

Three parcels on the northwest corner of North Graham and  
Gratiot Roads, Thomas Township, Saginaw County, Michigan

**PREPARED FOR** Saginaw Future, Inc.  
515 North Washington Avenue  
Saginaw, Michigan 48607

**PROJECT #** 6411s2-1-17

**DATE** October 21, 2024

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# PHASE I ENVIRONMENTAL SITE ASSESSMENT

Three parcels on the northwest corner of North Graham and Gratiot Roads, Thomas Township, Michigan

AKT Peerless Project No. 6411s2-1-17

## Executive Summary

AKT Peerless Environmental Services (AKT Peerless) conducted a Phase I Environmental Site Assessment (ESA) of the subject property as described below in accordance with United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries [(AAI), 40 Code of Federal Regulations (CFR) Part 312] and the ASTM International Standard Practice E 1527-21 (ASTM Practice E 1527). This Phase I ESA was performed for Saginaw Future, Inc. (Client) to meet program requirements of the MI Sites Program.

## Subject Property Description

<b>Address</b>	None associated
<b>Land Area (acres)</b>	114.78
<b>Parcel ID Number(s)</b>	Parcel A: 28-12-3-29-1002-002 Parcel B: 28-23-3-29-1002-003 Parcel C: 28-12-3-29-1001-003
<b>Number of Building(s)</b>	None
<b>Date(s) of Construction</b>	Not applicable
<b>Building Square Footage</b>	Not applicable
<b>Current Use</b>	Agricultural
<b>Current Occupants</b>	Unoccupied
<b>Past Use</b>	Undeveloped, agricultural
<b>Adjoining Property Uses</b>	Northwest: residential North: Fullerton Tool Company - West Northeast: agricultural East: Saginaw Control & Engineering, agricultural, Saginaw Conservation District, Mobil Southeast: Greenstone Farm Credit Services South: agricultural, residential Southwest: Saginaw Valley Sod Farms West: residential, agricultural, vacant lot
<b>Inferred Groundwater Flow Direction</b>	Southeast
<b>Approximate Groundwater Depth</b>	Not determined

#### *Recognized Environmental Conditions (RECs)*

This assessment has revealed no evidence of known RECs in connection with the subject property.

#### *Controlled Recognized Environmental Conditions (CRECs)*

This assessment has revealed no evidence of known CRECs in connection with the subject property.

#### *Historical Recognized Environmental Conditions (HRECs)*

This assessment has revealed no evidence of known HRECs in connection with the subject property.

#### *Significant Data Gaps (SDG)*

AKT Peerless did not identify or encounter any instances of significant data gaps during this Phase I ESA.

The Executive Summary above is an overview of the opinions and conclusions of this Phase I ESA and shall not be considered apart from the entire report, which contains the rationale and qualifications used by AKT Peerless in making the opinions and conclusions presented herein. Furthermore, non-ASTM scope considerations, if any, are reported in Section 6.4 and other notable environmental considerations, if any, are reported in Section 7.5. These conditions are not included in this Executive Summary.

### **Presumed Viability Evaluation**

<b>Critical Component</b>	<b>Completion Date</b>
<b>State and Federal Database Report</b>	October 4, 2024
<b>Government Records Review</b>	October 7, 2024
<b>Interviews</b>	October 3, 2024
<b>Site Inspection</b>	October 11, 2024
<b>Environmental Professional Declaration</b>	October 21, 2024

## 1.0 Introduction

Saginaw Future, Inc. (Client) retained AKT Peerless to conduct a Phase I Environmental Site Assessment (ESA) of three parcels located at the northwest corner of North Graham and Gratiot Roads in Thomas Township, Saginaw County, Michigan (subject property). This Phase I ESA was conducted in accordance with: (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries [(AAI), 40 Code of Federal Regulations (CFR) Part 312] and (2) guidelines established by ASTM International in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-21* (ASTM Practice E 1527).

Nothing in this report constitutes a legal opinion or legal advice. AKT Peerless has not made an independent determination whether the Client satisfies *User* obligations to establish a Landowner Liability Protection (LLP) defense under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980. In accordance with ASTM Practice E 1527, a *User* is the party seeking to use ASTM Practice E 1527 to complete an environmental site assessment of the subject property. A *User* may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. Furthermore, a *User* seeking to establish an LLP defense under CERCLA, and USEPA Brownfield Assessment and Characterization grantees, have specific obligations for completing a successful application of this practice. AKT Peerless' scope of work does not include an evaluation or completion of these specific user obligations as described in Section 6 of ASTM Practice E 1527, unless otherwise noted.

### 1.1 Purpose

The purpose of this Phase I ESA was to evaluate the current and historical conditions of the subject property in an effort to identify *recognized environmental conditions* (RECs)<sup>1</sup>, *historical recognized environmental conditions* (HRECs)<sup>2</sup>, *controlled recognized environmental conditions* (CRECs)<sup>3</sup>, and *de minimis conditions*<sup>4</sup> in connection with the subject property. Moreover, this practice may permit certain users of this Phase I ESA to satisfy environmental due diligence requirements to qualify for the bona fide

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<sup>1</sup> ASTM Standard Practice E 1527-21 defines the term REC as (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

<sup>2</sup> ASTM Standard Practice E 1527-21 defines the term HREC as a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations). A HREC is not a REC.

<sup>3</sup> ASTM Standard Practice E 1527-21 defines the term CREC as a REC affecting the subject property resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority or authorities (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations or other property use limitations).

<sup>4</sup> ASTM Standard Practice E 1527-21 defines the term de minimis condition as a condition related to a *release* that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A condition determined to be a de minimis condition is not a REC nor a CREC.

prospective purchaser, contiguous landowner, or innocent landowner limitations under CERCLA, the Superfund Amendments and Reauthorization Act (SARA) of 1986, and the Small Business Liability and Brownfields Revitalization Act (Brownfields Amendments) of 2002. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for environmental conditions in connection with the subject property.

## **1.2 Scope of Services**

AKT Peerless' scope-of-services is based on its proposal PS-34950, dated May 23, 2024, and the terms and conditions of that agreement. This Phase I ESA included the following:

- An inquiry of environmental conditions by an Environmental Professional.
- A review of specialized knowledge reported by the Client.
- A review of reasonably ascertainable and practically reviewable relevant public and historical records, including those maintained by federal, state, tribal, and local government agencies.
- Interviews with relevant regulatory officials and personnel associated or knowledgeable with the subject property, including as appropriate past and present owners, or neighbors if the subject property is abandoned.
- A reconnaissance of the subject property. The adjoining properties were observed from the subject property and from readily accessible public rights-of-way.

## **1.3 Limiting Conditions and Exceptions**

During the course of a Phase I ESA, limiting conditions, data failures, or data gaps, may prevent adherence to certain aspects of ASTM Practice E 1527. In such cases, the limiting factors are discussed in the appropriate sections of this report.

Should additional information become available to the Client that differs significantly from our understanding of conditions presented in this report, AKT Peerless requests that such information be forwarded immediately to our attention, so that we may reassess the conclusions provided herein and amend this project's scope of services as necessary and appropriate.

## **1.4 Special Terms and Conditions**

To the best of AKT Peerless' knowledge, no special terms or conditions, or client-imposed constraints, apply to the preparation of this Phase I ESA.

## **1.5 Reliance**

AKT Peerless performed this Phase I ESA for the benefit of its Client, Saginaw Future, Inc. AKT Peerless acknowledges that this party may rely on the contents and conclusions presented in this report. Unless stated otherwise in writing, AKT Peerless makes no other warranty, representation, or extension of reliance upon the findings of this report to any other entity or third party. The information and opinions presented in this report are for the exclusive use of the Client. No distribution to or reliance by other parties may occur without the express written permission of the Client or AKT Peerless. AKT Peerless will not distribute this report without written consent from the Client, or as required by law or by a Court order.

## 2.0 User and/or Client Provided Information

In order to qualify for one of the LLPs offered by the Small Business Liability Relief and the Brownfields Amendments, a *User* must conduct certain inquiries as described in 40 CFR 312. If the Client intends to use ASTM Practice E 1527 to establish an LLP defense under CERCLA, then AAI requires that certain tasks be performed by - or on behalf of – that party. As appropriate, these inquiries must also be conducted by USEPA Brownfield Assessment and Characterization grantees. While such information is not required to be provided to the Environmental Professional, AKT Peerless requests this information from the Client in the form of a Questionnaire, Document Request Form, and Interviews as such information can assist the Environmental Professional in identifying environmental conditions.

AKT Peerless provided a Questionnaire and Document Request Form to Mr. Tim Dempsey of Saginaw Future, Inc. As appropriate, AKT Peerless conducted follow-up interviews with Mr. Dempsey. The following subsections summarize the information and responses provided by the Client. The completed Questionnaire is provided in **Appendix E**.

### 2.1 Environmental Liens or Activity and Use Limitations

ASTM Practice E 1527 Section 6.2 and AAI (40 CFR 312.20, 25, and 26) require that Users search recorded title and judicial records for registered Environmental Liens or/and Activity and Use Limitations (AULs). The User may rely on (1) transaction-related title insurance documentation (e.g., preliminary title reports and title commitments) or (2) title search information reports (e.g., conditions of title, title abstracts, and AUL/Environmental Lien reports). The results of the User's search should be communicated to the Environmental Professional. This search is in addition to the review of environmental liens and AULs registries (if any) conducted by the Environmental Professional.

The Client did not provide title insurance documentation or title search information, and the Client did not report: (1) environmental cleanup liens against the subject property that are filed or recorded under federal, tribal, state, or local law; (2) AULs, such as engineering controls, land use restrictions or institutional controls, that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state, or local law; or (3) recorded land title or judicial records.

### 2.2 Specialized Knowledge or Experience of the User

ASTM Practice E 1527 Section 6.3 and AAI (40 CFR 312.28) require that the User take into account their specialized knowledge to identify conditions indicative of releases or threatened releases associated with the subject property, and suggests this information be communicated to the Environmental Professional before the site reconnaissance, except as contained in the following reports, which document previous environmental investigations of the subject property:

- Phase I ESA, 234 Vacant Acres – Northwest Corner of Graham and Gratiot Roads, prepared in December 2009 by AKT Peerless

Refer to Section 4.4.5 for a summary of these environmental investigations.

### 2.3 Actual Knowledge of the User

ASTM Practice E 1527 Section 6.4 suggests that the User communicate actual knowledge of any environmental lien or AULs associated with the subject property to the Environmental Professional, and

suggests this information be communicated to the Environmental Professional before the site reconnaissance.

The Client did not report actual knowledge of environmental liens or AULs associated with the subject property.

## **2.4 Value Reduction Due to Contamination**

For transactions involving the purchase of commercial real estate, ASTM Practice E 1527 Section 6.5 and AAI (40 CFR 312.29) require the User consider the relationship of the purchase price to the fair market value of the subject property as an indicator of potential contamination and make a written record of that explanation.

The Client did not report knowledge of, or reason to anticipate, a reduction in the value of the subject property for environmental issues.

## **2.5 Commonly Known or Reasonably Ascertainable Information**

ASTM International Practice E 1527 Section 6.6 and AAI (40 CFR 312.30) require the User to take into account commonly known or reasonably ascertainable information within the local community about the subject property.

The Client did not report such commonly known or reasonably ascertainable information other than described in Section 2.2.

## **2.6 Presence or Likely Presence of Contamination**

ASTM Practice E 1527 Section 6.7 and AAI (40 CFR 312.31) require the User to consider the degree of obviousness of the presence or likely presence of contamination at the subject property, and the ability to detect the contamination by appropriate investigation.

The Client did not report on the degree of obviousness of the presence or likely presence of contamination at the subject property or the ability to detect the contamination by appropriate investigations other than described in Section 2.2.

## **2.7 Reason for Performing this Phase I ESA**

ASTM Practice E 1527 requires that the User provide the Environmental Professional with the reason for performing the Phase I ESA.

The Client reported that this Phase I ESA was conducted as part of environmental due diligence to meet program requirements of the MI Sites Program relating to potential site development.

### 3.0 Subject Property Description

#### 3.1 Location and Legal Description

The subject property is located in the northeast of Section 29 in Thomas Township (T.12N. /R.03E.), Saginaw County, Michigan. The subject property consists of three contiguous parcels of land located on the northwest corner of Gratiot and North Graham Roads.

See the following table for additional subject property details. For ease of reference in this report, AKT Peerless has designated each of the subject property parcels with a letter. These designations have no relevance to legally recorded data about the subject property.

**Subject Property Identifiers**

Parcel	Address	Tax Identification Number	Owner of Record	Approximate Acreage
A	705 North Graham Road	28-12-3-29-1002-002	Economic Development Corporation – Saginaw Future	42.3
B	705 North Graham Road	28-12-3-29-1002-003	Economic Development Corporation – Saginaw Future	33.88
C	None associated	28-12-3-29-1001-003	Economic Development Corporation	38.6

Refer to Figure 1, Topographic Location Map; Figure 2, Subject Property Map; and Figure 2A, Subject Property Map. The legal descriptions of the subject property are presented in **Appendix A**. Photographs taken during AKT Peerless' subject property reconnaissance are provided in **Appendix B**.

#### 3.2 Subject Property and Vicinity Characteristics

The subject property is currently classified Industrial-Vacant (302) and is located in an area of Thomas Township that is characterized by agricultural, residential, commercial, and light industrial properties, surface roadways, municipal sanitary sewer and water, and electrical and gas utilities.

#### 3.3 Description of Structures and Other Improvements

The subject property is primarily structurally vacant, with landscaped areas along North Graham Road and Sunshine Drive. Parcel A contains a paved area with a natural gas generator and a municipal sewer lift station in the southeastern portion.

#### 3.4 Current Use of the Subject Property

The subject property parcels are currently utilized for agricultural purposes.

#### 3.5 Utilities and Municipal Services

AKT Peerless identified the type and supplier of utilities provided to the subject property. These services are described in the following table:

### Subject Property Utility Data

Utility / Service	Type	Utility Company or Municipality	Comments/Historical Services
Heat	Natural gas	Consumers Energy	Natural gas is available to the subject property.
Potable water	Municipal	Thomas Township	Municipal water is available to the subject property.
Electricity	Electric lines/ transformer	Consumers Energy	Electricity is connected to the subject property.
Sewage disposal	Municipal	Thomas Township	Municipal sanitary sewer is available to the subject property.
Storm water	Municipal	Saginaw County	Storm water utilities are available to the subject property.

### 3.6 Current Uses of the Adjoining Properties

The following table describes the current uses and/or occupants of the adjoining properties, as identified during this Phase I ESA:

#### Adjoining Property Data

Direction	Address	Current Use / Occupant
Northwest	1100 North Gleaner Road	Residential
North	11489 Sunshine Drive	Light industrial / Fullerton Tool Company - West
Northeast	1000 North Graham Road	Agricultural
East	11122 Sunshine Drive	Light industrial / Saginaw Control & Engineering
	None associated	Agricultural
	178 North Graham Road	Commercial / Saginaw Conservation District
	10950 Gratiot Road	Commercial / Mobil
Southeast	11020 Gratiot Road	Commercial / Greenstone Farm Credit Services
South	None associated	Agricultural
	11145 Gratiot Road	Agricultural
	None associated	Agricultural
	11200 Gratiot Road	Residential
	11265 Gratiot Road	Residential
	11285 Gratiot Road	Residential, agricultural
	11491 Gratiot Road	Residential



Direction	Address	Current Use / Occupant
Southwest	11515 Gratiot Road	Agricultural / Saginaw Valley Sod Farms
West	11580 Gratiot Road	Residential, agricultural
	530 North Gleaner Road	Residential
	None associated	Vacant lot
	820 North Gleaner Road	Residential
	900 North Gleaner Road	Residential

## 4.0 Records Review

The objective of the records review is to evaluate reasonably ascertainable databases, historical records, and physical setting records to help identify RECs at the subject property and, to the extent identifiable, at surrounding properties.

### 4.1 Physical Settings

AKT Peerless reviewed various available physical setting resources pertaining to the geologic, hydrogeologic, hydrologic, and topographic characteristics that may affect potential contaminant migration to the subject property, or within or from the subject property. The results of AKT Peerless' review are presented in the following table:

#### Physical Setting Data

General Topography and Hydrogeology		
Physical Setting Information		Data Resources
Subject Property Elevation	607 feet above the National Geodetic Vertical Datum	United States Geological Survey (USGS) Topographic Map of the Hemlock South Quadrangle (revised 2014) and third-party database report
Topographic Gradient	Generally flat	
Closest Surface Water	Unnamed pond located approximately 630 feet west	
Groundwater Depth	No known data points	USGS National Water Dashboard Online
General Soil and Geology		
Bedrock	Saginaw Formation Unit of an unassigned group which is included in the Pottsville Series within the Pennsylvanian System of the Paleozoic Era.	Michigan Department of Natural Resources (MDNR) Geological Survey Division's <i>Bedrock Geology of Southern Michigan</i> (1987)

General Topography and Hydrogeology		
<b>Quaternary Soil Description</b>	<p>Dune sand, described as pale brown, well sorted, fine to medium sand, chiefly quartz with some heavy minerals that occur in massive dune ridges parallel to present leeward shorelines, but also as parabolic dunes on former lake and outwash plains. These areas are subject to continued movement in blowouts where vegetation cover is disturbed, especially near present-day coasts. The thickness of this soil type ranges from 1 to 30 meters.</p> <p>Lacustrine clay and silt, described as gray to dark reddish brown and are varved in some localities. The soil chiefly underlies extensive, flat, low-lying areas formerly inundated by glacial Great Lakes. Soil thickness ranges from 10 to 30 feet. Typically, lacustrine clay and silt are associated with low hydraulic permeability and restrict the movement of groundwater.</p>	Michigan Geological Survey Division's publication, <i>Quaternary Geology of Southern Michigan</i> (1982)
<b>County Soil Survey Description</b>	Approximately 51% Pella-Frankenmuth complex, 0 to 4 percent slopes, described as poorly drained silt loam on till-floored lake plains; approximately 29% Sanilac very fine sandy loam, 1 to 3 percent slopes, described as somewhat poorly drained very fine sandy loam on lake plains; and less than 10% each of Pella silt loam, Frankenmuth very fine sandy loam, 0 to 1 percent slopes, Lenawee silty clay loam, 0 to 1 percent slopes, and Selfridge loamy sand, 0 to 3 percent slopes.	United States Department of Agriculture (USDA) Web Soil Survey
Site-Specific Geology and Hydrogeology		
<b>Soil and bedrock characteristics</b>	No site-specific soil or bedrock information was identified.	Not applicable
<b>Groundwater characteristics</b>	No site-specific groundwater information was identified.	Not applicable

Based on the information presented above, AKT Peerless infers that groundwater in the vicinity of the subject property flows toward the southeast, according to the topographical gradient. However, local manmade structures (e.g., buildings, roads, sewer systems, and utility service lines) may influence both

surface water and groundwater flow. AKT Peerless was not provided, and did not identify, documents that describe the known groundwater flow direction beneath the subject property. To determine the site-specific groundwater flow direction, subsurface information would be necessary.

AKT Peerless did not identify water supply wells or monitoring wells at the subject property. Groundwater from the area of the subject property does not serve as the primary drinking water source for properties in Thomas Township, which obtains its municipal water from Lake Huron.

## 4.2 Standard Environmental Record Resources

AKT Peerless retained a third-party vendor to provide current environmental database information compiled by a variety of federal and state regulatory agencies. The purpose of obtaining these data was to evaluate potential environmental releases associated with the subject property, adjoining properties, and nearby sites that are: (1) identified on target lists and (2) within varying distances of up to one mile from the subject property. Refer to the database report included as **Appendix C** for information regarding database descriptions, search radii, and most recent dates the database information was updated by the vendor.

### 4.2.1 Subject Property Listings

The database report does not identify the subject property on the referenced databases.

### 4.2.2 Adjoining Properties

The database report does not identify the adjoining properties on the referenced databases, except for the following:

**Detail Table for Eastern Adjoining Property (180 North Graham Road)**

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
180 North Graham Road 178 North Graham Road	M46 & M52 Saginaw Conservation District	Adjoining/east	Inferred southeast
Databases			
<p><u>Facility Information System/Facility Registry Service (FINDS/FRS)</u>  <u>Integrated Compliance Information System (ICIS)</u>            This adjoining property is listed in the ICIS database with one formal enforcement action. The Saginaw Conservation District manages several natural resources and this adjoining property is the administrative site. These listings do not pertain to any activities conducted on the eastern adjoining property.</p> <p><u>Waste</u>            This adjoining property is listed in the Waste Database System (WDS). No hazardous waste violations or enforcement actions were reported in the database listing.</p> <p>Further information regarding these database listings is presented in Section 4.3.</p>			

### Detail Table for Eastern Adjoining Property (10950 Gratiot Road)

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
10950 Gratiot Road	7-Eleven #36932 7-11	Adjoining/east	Inferred southeast
<b>Databases</b>			
<p><u>Baseline Environmental Assessment (BEA)</u> BEA 201301321 was completed on behalf of 7-Eleven #36932 in 2013. Contaminants of concern were not provided in the database listing.</p> <p><u>Underground Storage Tank (UST)</u> Two 12,000-gallon gasoline USTs were installed January 3, 1990 and remain in use.</p> <p><u>Leaking Underground Storage Tank (LUST)</u> Confirmed release REL-0066-13 was reported on May 31, 2013, which remains open.</p> <p><u>Waste</u> This adjoining property is listed in the waste database. No hazardous waste violations or enforcement actions were reported in the database listing.</p> <p>Further information regarding these database listings is presented in Section 4.3.</p>			

### Detail Table for Eastern Adjoining Property (795 North Graham Road)

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
795 North Graham Road (historical address for 11122 Sunshine Drive)	Proposed Solar Park	Adjoining/east	Inferred southeast
<b>Databases</b>			
<p><u>Federal Brownfields (Fed Brownfields)</u> This adjoining property is identified in the brownfields database. According to the database listing, no cleanup was required.</p> <p>In AKT Peerless' opinion, this adjoining property does not represent an environmental concern to the subject property. A regulatory agency file review is not deemed warranted because (1) this site is not listed on databases indicative of a release or contamination, (2) no records of hazardous waste violations were identified in the database report, and (3) a review of regulatory agency file information, if any exists, would not likely provide additional information that would assist in determining if a REC, HREC, CREC, or de minimis condition exists at the subject property in connection with this adjoining property.</p>			

#### 4.2.3 Nearby Sites

AKT Peerless' review of the referenced databases also considered the potential or likelihood of contamination from nearby sites. To evaluate which of the nearby sites identified in the database report present an environmental risk to the subject property, AKT Peerless considered the following criteria:

- Type of database on which the site is identified.
- Topographic position of the identified site relative to the subject property.
- Direction and distance of the identified site from the subject property.
- Local soil conditions in the subject property area.
- Known or inferred groundwater flow direction in the subject property area.
- Status of the respective regulatory agency-required investigation(s) of the identified site, if any.
- Surface and subsurface obstructions and diversions (e.g., buildings, roads, sewer systems, utility service lines, rivers, lakes, and ditches) located between the identified site and the subject property.

Only those nearby sites that are judged to present a potential environmental risk to the subject property are further evaluated by reviewing agency file information. Using the above criteria and based upon a review of readily available information contained within the database report, AKT Peerless did not identify nearby sites that present a potential environmental risk to the subject property.

#### 4.2.4 Unplottable Sites

AKT Peerless did not identify unplottable, orphan, or unmapped sites of concern that could not be accurately geo-coded by the third-party provider during review of the database report.

### 4.3 Regulatory Agency File and Records Review

In January 2020, the Michigan Department of Environment, Great Lakes, and Energy (EGLE) changed their Freedom of Information Act (FOIA) request policy. The revised policy includes an internal review of requested documents to evaluate the need for redactions (among other changes). This policy change has resulted in delays to the access of file information and a significant increase to FOIA fees. In some cases, these time and cost increases have made this information not *reasonably ascertainable* as defined in ASTM Practice E 1527. Regulatory file information that was not considered *reasonably ascertainable* is summarized in the appropriate sections below.

#### 4.3.1 Michigan Department of Licensing and Regulatory Affairs (LARA)

AKT Peerless contacted LARA's Bureau of Fire Services to review available records regarding registered storage tanks associated with the subject property and select adjoining properties.

##### Subject Property

According to a response received, LARA does not have registered storage tank files for the subject property.

##### Adjoining Properties

LARA provided AKT Peerless with file information for the following adjoining properties:

*7-Eleven #36932, 10950 Gratiot Road (eastern adjoining property)*

LARA provided AKT Peerless with records for the western adjoining property. According to these records two 12,000-gallon gasoline USTs were installed in January 1990 and remain in use. Confirmed release REL-0066-13 was reported May 31, 2013 due to analytical data.

See Sections 4.3.2 and 4.3.3 for additional information.

#### 4.3.2 EGLE Remediation and Redevelopment Division (RRD)

AKT Peerless reviewed the current Michigan Department of Environment, Great Lakes and Energy (EGLE) RRD's Perfected Lien List to determine if environmental cleanup liens had been filed against the subject property.

AKT Peerless also referenced the EGLE Remediation Information Data Exchange (RIDE) for information regarding the subject property and adjoining properties.

AKT Peerless reviewed EGLE's RIDE Mapper to determine if known land use restrictions have been filed against the subject property.

In addition, AKT Peerless submitted a request to the EGLE RRD to review available file information regarding USTs, LUSTs, or other environmental records pertaining to the subject property.

##### Subject Property

According to the Perfected Lien List dated July 22, 2024, EGLE does not have record of environmental cleanup liens filed against the subject property.

Based on a review of RIDE, confirmed releases associated with the subject property have not been reported to EGLE.

Land use restrictions associated with the subject property were not noted during AKT Peerless' review of EGLE's RIDE Mapper.

According to the EGLE RRD, no file information exists pertaining to the subject property.

##### Adjoining Properties

The following adjoining properties were identified on the RIDE database:

*7-Eleven #36932, 10950 Gratiot Road (eastern adjoining property)*

- Release REL-0066-13 was reported May 31, 2013 and remains open.

##### Eastern Adjoining Property EGLE RIDE UST Details

Tank ID	Installation Date	Tank Contents	Tank Capacity	Removal Date	Tank Status
1	01/03/1990	Gasoline	12,000 gallons	Not applicable	In use
2	01/03/1990	Gasoline	12,000 gallons	Not applicable	In use

The following file information was obtained from the EGLE RRD pertaining to this eastern adjoining property:

Proposed 7-Eleven Store No. 36932, Garb-Ko 133, 10950 Gratiot Road (eastern adjoining property)

*BEA Report completed by AECOM, September 2013*

A BEA was completed on behalf of 7-Eleven in September 2013. The BEA was completed subsequent to a Phase I ESA and Phase II ESA (subsurface investigation), completed by AKT Peerless in March and May 2013, respectively. At the time of the March 2013 Phase I ESA, the adjoining property was developed consistent with current conditions and was in use as a convenience store and gasoline filling station. AKT Peerless identified the following REC: (1) the use of the property as a gasoline filling station since 1990 with the potential for releases of petroleum.

A Phase II ESA was subsequently completed to assess the RECs. A total of five soil borings were advanced with the collection of three soil samples and four groundwater samples submitted for laboratory analysis of gasoline range organics, benzene, toluene, ethylbenzene, and xylenes (BTEX), trimethylbenzenes (TMBs), methyl tert-butyl ether (MTBE), volatile organic compounds (VOCs) and alcohols. According to laboratory analytical results, levels of benzene, n-butylbenzene, ethylbenzene, isopropyl benzene, naphthalene, n-propylbenzene, toluene, 1,2,4-TMB, 1,3,5-TMB, and xylenes in soil and groundwater exceeding the current EGLE Part 201 residential generic cleanup criteria (GCC). Based on laboratory analytical results, the adjoining property to the east meets the definition of a *facility*<sup>5</sup>, as defined in Part 201 of the NREPA, Michigan Public Act (PA) 451, 1994, as amended.

7-Eleven Store #36932, 10950 Gratiot Road (eastern adjoining property)

*Part 213 Final Assessment Report, completed by AKT Peerless, May 2014*

A confirmed release of petroleum was reported based on the results of the subsurface investigation summarized in the September 2013 BEA conducted by AECOM above. An Initial Assessment Report was completed by AKT Peerless August 2013, which included the subsurface investigation data summarized above.

In December 2013, AKT Peerless conducted site characterization activities which included the installation of eight groundwater monitoring wells and the advancement of three soil borings, with the collection of 12 soil samples submitted for laboratory analysis of VOCs. According to the laboratory analytical results, none of the analyzed constituents were detected in the December 2013 soil samples.

In May 2014, an additional two groundwater monitoring wells were advanced for a total of 10 groundwater monitoring wells advanced throughout the property. In May 2014, 14 groundwater samples were collected from all of the groundwater monitoring wells and were submitted for laboratory analysis of VOCs. According to the laboratory analytical results, naphthalene, 1,2,3-TMB, 1,3,5-TMB, and benzene were identified in groundwater exceeding the current EGLE Part 201 residential GCC. Based on

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<sup>5</sup> "Facility" means any area, place, or property where a hazardous substance in excess of the concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located.

laboratory analytical results, the adjoining property to the east meets the definition of a *facility*<sup>6</sup>, as defined in Part 201 of the NREPA, Michigan Public Act (PA) 451, 1994, as amended.

A September 2014 EGLE review of the Final Assessment Report found several deficiencies and EGLE RRD recommended corrective action and further evaluation.

In AKT Peerless' opinion, this adjoining property does not present an environmental concern to the subject property because (1) soil and groundwater samples collected closest to the subject property were not detected, indicating that contaminant migration is not occurring towards the subject property, and (2) the groundwater direction on this adjoining property was determined to be to the southeast, down gradient to the subject property.

#### **4.3.3 EGLE Materials Management Division (MMD)**

AKT Peerless submitted a request to the EGLE MMD to review available file information regarding waste management activities, permits, inspections and violations associated with the subject property.

AKT Peerless also reviewed the EGLE Waste Data System (WDS) for information regarding waste disposal operations at the subject property and select adjoining properties. The WDS tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste (LIW) programs.

##### **Subject Property**

According to the EGLE MMD, no file information exists pertaining to the subject property. In addition, the subject property is not listed on the WDS database.

##### **Adjoining Properties**

The following information pertaining to the adjoining properties was provided by the EGLE WDS:

##### *Saginaw Conservation District, 178 North Graham Road (eastern adjoining property)*

This eastern adjoining property was evaluated under the Scrap Tire Program in 2021, 2022, 2023, and 2024. No violations or enforcement actions associated with this site were contained in the database.

In AKT Peerless' opinion, this site does not present an environmental concern to the subject property. A regulatory agency file review is not deemed warranted because (1) this site is not listed on any databases indicative of a release or contamination, (2) no records of any hazardous waste violations were identified in the database report or WDS database, and (3) a review of regulatory agency file information, if any exists, would not likely provide additional information that would assist in determining if a REC, HREC, CREC, or de minimis condition exists at the subject property in connection with this adjoining property.

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<sup>6</sup> "Facility" means any area, place, or property where a hazardous substance in excess of the concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located.



#### *7-11, 10950 Gratiot Road (eastern adjoining property)*

By 1970, the eastern adjoining property was listed as a Liquid Industrial Waste (LIW) Generator. No violations or enforcement actions associated with this site were contained in the database. It should be noted that 1970 is a default date used by the EGLE when a start date is not provided.

See section 4.3 for additional discussion.

#### **4.3.4 EGLE Drinking Water and Environmental Health Division (DWEHD)**

AKT Peerless submitted a request to the EGLE DWEHD to review available file information related to non-community water supplies, environmental health, compliance and enforcement, drinking water contamination investigations, and on-site wastewater associated with the subject property. According to the EGLE DWEHD, no file information exists pertaining to the subject property.

#### **4.3.5 EGLE Oil, Gas, and Minerals Division (OGMD)**

AKT Peerless reviewed EGLE's GeoWebFace online geologic mapping program for oil and gas well records associated with the subject property; however, no records were identified.

#### **4.3.6 EGLE Water Resources Division (WRD)**

AKT Peerless contacted the EGLE WRD to review available records regarding environmental information associated with the subject property. A response from the EGLE WRD indicated that no records for the subject property exist.

### **4.4 Additional Environmental Record Sources**

#### **4.4.1 Local Health Department**

Mr. Chris Klawuhn of the Saginaw County Health Department provided AKT Peerless with a septic system permit issued to 705 North Graham Road in 2004; however, it was issued to a larger parent parcel that was previously associated with the same street address. The parcels of the subject property were split in 2011 and 2018. This septic system permit refers to the previous residential structure formerly located on the eastern adjoining property at 11122 Sunshine Drive.

#### **4.4.2 Local Fire Department**

According to a response received by Ms. Connie Watt, of Thomas Township, the Thomas Township Fire Department has no records or knowledge regarding storage tanks, releases, or incident reports for the subject property. Fire Chief Nick Chad reported that the subject property previously consisted of a working farm.

#### **4.4.3 Building Department Records**

AKT Peerless reviewed building records for the subject property from the Thomas Township Building Department. Records consisted of a sign permit issued to the subject property in 2018. No information that could indicate potential environmental concerns at the subject property was found in the records.

#### **4.4.4 Assessing Department Records**

AKT Peerless reviewed tax assessment records for the subject property from the Thomas Township Assessing Department. According to the records, the subject property parcels consist of structurally vacant land. Assessing records for Parcel A included building permit information for a lift station (issued

in April 2012), gas piping (issued April 2012), a pump station upgrade (issued February 2016), and a permit for an addition to an existing sign (issued October 2018).

No information that could indicate potential environmental concerns at the subject property was found in the records.

#### **4.4.5 Previous Environmental Reports**

AKT Peerless was provided with a copy of a previous environmental report associated with the subject property:

- Phase I ESA, 234 Vacant Acres – Northwest Corner of Graham and Gratiot Roads, prepared in December 2009 by AKT Peerless

The 2009 Phase I ESA included the subject property and other large tracts of vacant land. The subject property and the other large tracts of land were utilized for agricultural purposes. AKT Peerless did not identify any RECs or HRECs in association with the subject property.

#### **4.5 Historical Research**

The objective of reviewing historical resources is to: (1) develop a history of previous uses or specific occupancies of the subject property, (2) identify those uses or specific occupancies that are likely to have led to potential environmental concerns at the subject property, and to the extent identifiable, at adjoining properties, and (3) identify obvious uses of the subject property from the present, back to the first *obvious* developed use, or back to 1940, whichever is earlier.

##### **Historical Summary – Subject Property**

The subject property has been primarily structurally vacant and utilized for agricultural purposes from prior to 1937 to the present, except for two small barn structures that were located in the southeastern portion of Parcel B in association with an adjoining property (11200 Gratiot Road) in at least 1937 to 1941. These structures were removed by 1950 and the subject property has been structurally vacant and utilized for agricultural purposes since 1950. The existing sewer infrastructure was installed on the subject property in the early to mid-2010s.

AKT Peerless was unable to determine the use of the subject property prior to 1937. As such, AKT Peerless was unable to identify the first developed use of the subject property and was therefore unable to achieve the historical research objectives identified in ASTM Practice E 1527 even after reviewing the standard historical resources that were reasonably ascertainable and likely to be useful. This data failure is not considered likely to have a material impact upon the findings and conclusions of this report and, therefore, does not constitute a significant data gap.

##### **Historical Summary – Adjoining Properties**

The adjoining properties have included agricultural land as well as various residential and commercial developments since at least 1937.

#### **4.5.1 Aerial Photographs**

AKT Peerless obtained aerial photographs for the subject property from Environmental Risk Information Services (ERIS). AKT Peerless' observations noted during the review of these photographs are

summarized in the following table. Photocopies of reviewed aerial photographs with associated resource references are presented as **Appendix D**.

### Subject Property Aerial Photography Summary

Photograph Dates	Observations	Potential Environmental Concerns
1937, 1941	Parcel A appears structurally vacant and utilized for agricultural purposes. Parcel B appears developed with two barns in the southeastern portion in association with an adjoining property (11200 Gratiot Road). The southern portion of Parcel B appears to be utilized for agricultural purposes; the northern portion appears heavily wooded. Parcel C appears predominately heavily wooded and not utilized for any discernable purpose.	None observed
1950, 1954	The subject property appears structurally vacant. Parcel A appears utilized for agricultural purposes. The southern portion of Parcel B appears utilized for agricultural purposes; the northern portion appears heavily wooded. Parcel C appears predominately heavily wooded and not utilized for any discernable purpose.	None observed
1963, 1974, 1983, 1992, 1998, 2005, 2006, 2009, 2010	The subject property appears structurally vacant. Parcel A appears utilized for agricultural purposes. The southern portion of Parcel B appears to be utilized for agricultural purposes; the northern portion appears heavily wooded. Parcel C appears primarily utilized for agricultural purposes with a heavily wooded section along the western portion.	None observed
2012	Parcels A, B, and most of Parcel C appear to be structurally vacant and utilized for agricultural purposes. The southeastern portion of Parcel A has been improved with electrical infrastructure and a pump station. Road improvements on North Graham Road and the addition of Sunshine Drive have been made with corresponding landscaped areas along North Graham Road and along Sunshine Drive.	None observed
2014, 2016, 2018, 2020	Parcels A, B, and most of Parcel C appear to be utilized for agricultural purposes with landscaped areas along North Graham Road and Sunshine Drive. The southeastern portion of Parcel A has been improved with the existing sewer infrastructure.	None observed

AKT Peerless' review of historical aerial photographs of the adjoining properties is summarized in the following table:

### Adjoining Property Aerial Photography Summary

Photograph Dates	Potential Environmental Concerns
1937 – 2020	<p>No obvious evidence or indications of environmental concerns were noted with respect to the adjoining properties and nearby sites during AKT Peerless' review of the referenced aerial photographs, except for the following:</p> <ul style="list-style-type: none"> <li>The eastern adjoining property (11122 Sunshine Drive) appears developed with a residential structure and barn from the 1937 to 2010 aerial photographs, and developed with the current structure in the 2020 aerial photograph.</li> <li>The eastern adjoining property (178 North Graham Road) appears developed with the current commercial structure beginning in the 1992 aerial photograph.</li> <li>The eastern adjoining property (10950 Gratiot Road) appears developed with a gasoline filling station beginning in the 1992 aerial photograph.</li> </ul> <p>See Section 4.3 for additional discussion.</p>

#### 4.5.2 Fire Insurance Maps

AKT Peerless' research did not identify historical fire insurance map coverage of the subject property or adjoining properties.

#### 4.5.3 City Directories

Local street directory information from various years published between 1927 through 2023 was obtained from ERIS. The purpose of this review was to determine the past occupancy of the subject property. Directories were reviewed in approximately five-year intervals, or as available. Photocopies of the reviewed local street directories with associated resource references are presented in **Appendix E**. Information obtained from the reviewed directories is summarized in the following table:

### Local Street Directory Data

Year	Address	Listing
1927 – 1995	Street or address not listed	No listings
1997 – 2003	705 North Graham Road	Residential
2008 – 2023	Address not listed	No listings

Adjoining property listings consist of various commercial listings over time. No obvious environmental concerns were identified, except for the following:

- 11122 Sunshine Drive, eastern adjoining property is not listed in city directory coverage.
- 178 North Graham Road, eastern adjoining property is listed as Saginaw Soil Conservation and U.S. Consolidated Farm Service Agency in the 1997 through 2003 directories; as Farm Service Agency, Saginaw Conservation District, and U.S. Consolidated Farm Service Agency in the 2008 directory; as Farm Service Agency, Saginaw Conservation District, U.S. Agricultural Department,

and U.S. Consolidated Farm Service Agency in the 2012 directory; as Natural Resources Conservation, Saginaw Conservation District, U.S. Agricultural Department, and U.S. Consolidated Farm Service Agency in the 2016 directory; and as Natural Resources Conservation and U.S. Agricultural Department in the 2020 through 2023 directories.

- 10950 Gratiot Road, eastern adjoining property is listed as 7-Eleven Food Store in the 1997 through 2016 directories, and as 7-Eleven and Mobil in the 2020 through 2023 directories.

See Section 4.3 for additional discussion.

#### 4.5.4 Topographic Maps

AKT Peerless reviewed historical topographic maps depicting the subject property from HistoricAerials.com. AKT Peerless' observations noted during the review of these maps are summarized in the following table.

**Subject Property Historical Topographic Map Summary**

Map Dates	Observations	Potential Environmental Concerns
1917, 1950, 1978, 2014, 2017	The subject property is depicted as structurally vacant.	None observed

AKT Peerless' review of historical topographic maps of the adjoining properties is summarized in the following table:

**Adjoining Property Historical Topographic Map Summary**

Map Dates	Potential Environmental Concerns
1917 – 2017	No obvious evidence or indications of environmental concerns were noted with respect to the adjoining properties and nearby sites during AKT Peerless' review of the referenced historical topographic maps.

#### 4.5.5 Land Title Records

Unless otherwise noted, AKT Peerless did not identify or research, and was not provided by the Client, land title records associated with the subject property.

#### 4.5.6 Other Historical Resources

AKT Peerless did not identify other historical resources with relevant information pertaining to the subject property.

## 5.0 Interviews

### 5.1 Interview with Subject Property Owner

AKT Peerless interviewed Mr. Tim Dempsey of Saginaw Future regarding his knowledge of the subject property and provided an owner questionnaire. Mr. Dempsey has been familiar with the subject property for one year. Mr. Dempsey reported that municipal water and sewer are available to the subject property. Mr. Dempsey reported that the western, wooded portion of Parcel C is a designated wetland. No information was reported that would be considered material to identifying RECs in connection with the subject property. A copy of the completed owner questionnaire is presented in **Appendix E**.

### 5.2 Interview with Key Site Manager

Refer to Section 5.1.

### 5.3 Interview with Subject Property Occupants and Operators

The subject property is unoccupied.

### 5.4 Interview(s) with Others

AKT Peerless did not conduct interviews with others during this assessment because the historical use of the subject property has been identified. Further, interviews with the occupants of adjoining and nearby properties were not conducted because the subject property is not considered abandoned, as referenced by ASTM International.

## 6.0 Subject Property Reconnaissance

### 6.1 Methodology and Limiting Conditions

The subject property reconnaissance consisted of visual and physical observations of the subject property. AKT Peerless visually and/or physically observed the subject property as well as the interior and periphery of structures. AKT Peerless' reconnaissance methodology was designed to identify and document RECs, CRECs, and *de minimis* conditions associated with the subject property based on the use in concert with other relevant information gathered during this Phase I ESA. In addition, AKT Peerless observed adjoining properties from the subject property and adjacent public thoroughfares.

Ms. Emily Kreusch of AKT Peerless conducted the subject property reconnaissance on October 11, 2024. AKT Peerless encountered the following project specific facts or conditions that limited our ability to access or inspect the subject property:

- Visual observation of the subject property was limited by the presence of agricultural crops.

Historical use of the subject property appeared to be limited to agricultural operations and likely did not involve storage, usage, or disposal of hazardous materials; therefore, lack of access to the subject property is not believed to alter the conclusions of this ESA.

## **6.2 General Subject Property Setting and Operations**

The subject property is primarily structurally vacant and utilized for agricultural use, with areas of landscaping and fencing along North Graham Road and Sunshine Drive. Parcel A contains a paved area with a natural gas generator and a municipal sewer lift station in the southeastern portion. Utilities including electricity, natural gas, and cable are located along Sunshine Drive.

## **6.3 Observations**

### **6.3.1 Hazardous Substances and Petroleum Products**

AKT Peerless did not observe hazardous substances or petroleum products (including wastes) at the subject property.

### **6.3.2 Storage Tanks**

AKT Peerless did not observe evidence of current or former underground storage tank (UST) systems (e.g., vent pipes, fill ports, dispensing pumps, patched pavement, etc.) at the subject property.

AKT Peerless did not observe evidence of current or former aboveground storage tank (AST) systems (e.g., stands, secondary containments, etc.) at the subject property.

### **6.3.3 Strong, Pungent, or Noxious Odors**

AKT Peerless did not observe evidence of strong, pungent, or noxious odors.

### **6.3.4 Unidentified Substance Containers**

AKT Peerless did not observe evidence of unidentified substances or other suspect containers on the subject property.

### **6.3.5 Potential Polychlorinated Biphenyl (PCB) Containing Electrical or Hydraulic Equipment**

AKT Peerless inspected the subject property for the presence of electrical or hydraulic equipment known or likely to contain PCBs. AKT Peerless did not observe suspect PCB-containing electrical or hydraulic equipment at the subject property, except for the following:

### Potential PCB-Containing Electrical Equipment

Source Description	Source Location	Responsibility	Observations
One pole-mounted transformer	Southern portion of Parcel B	Consumers Energy	No evidence of a release
Three pole-mounted transformers	Eastern portion of Parcel A	Consumers Energy	No evidence of a release
One pole-mounted transformer	Northeastern corner Parcel A	Consumers Energy	No evidence of a release
Pad-mounted transformer	Eastern portion of Parcel C	Consumers Energy	No evidence of a release

#### 6.3.6 Interior Staining/Corrosion

There are no structures at the subject property; therefore, this section does not apply.

#### 6.3.7 Drains and Sumps

There are no structures at the subject property; therefore, this section does not apply.

#### 6.3.8 Water/Wastewater Discharges

AKT Peerless did not observe evidence of wastewater or other liquid (including storm water) discharges containing hazardous substances or petroleum products at the subject property.

Storm water that falls upon the subject property appears to evaporate, infiltrate directly into the ground, or discharge to storm water drains located along North Graham Road and Sunshine Drive.

#### 6.3.9 Standing Water, Pools, Waste Pits, Ponds, and Lagoons

AKT Peerless did not observe standing water, pools, sumps, pits, ponds, or lagoons containing liquids considered likely to contain hazardous substances or petroleum products at the subject property.

#### 6.3.10 Solid Waste Dumping/Landfills

AKT Peerless did not observe evidence of areas apparently graded by non-natural causes, fill material of an unknown origin, debris (construction or demolition), solid waste dumping or landfilling, or irregular mounds or depressions at the subject property.

#### 6.3.11 Stained Soil, Stressed Vegetation, Stained Pavement

AKT Peerless did not observe evidence of stained soil, stressed vegetation, or stained pavement at the subject property.

#### 6.3.12 Well and Septic Systems

AKT Peerless did not observe physical evidence of drinking water wells, septic systems, or cesspools at the subject property.



### **6.3.13 Other Observations**

AKT Peerless did not observe evidence of other potential environmental concerns at the subject property.

AKT Peerless observed a municipal sewer lift station and natural gas generator located on the southeastern portion of Parcel A. No environmental concerns were observed.

### **6.3.14 Adjoining Properties**

Based on AKT Peerless' visual observations, the current uses of the adjoining properties do not appear to pose an environmental concern to the subject property, except for the gasoline filling station located on the eastern adjoining property (10950 Gratiot Road). See Section 4.3 for additional discussion

In addition, AKT Peerless observed light industrial operations located on the northern adjoining property (11489 Sunshine Drive) and eastern adjoining property (11122 Sunshine Drive. These adjoining properties do not currently present an environmental concern to the subject property because no environmental records indicating the presence of subsurface contamination were identified during the course of this assessment.

## **6.4 Non-ASTM International E 1527 Scope Considerations**

AKT Peerless did not evaluate any other potential environmental conditions (i.e., further areas of possible business/environmental concern and/or liability) that are outside the scope of ASTM Practice E 1527. Examples of such potential environmental conditions that were beyond the scope of this Phase I ESA include: asbestos containing materials (ACMs), biological agents, cultural and historic resources, ecological resources, endangered species, health and safety, indoor air quality, industrial hygiene, lead-based paints (LBPs), lead in drinking water, moisture intrusion/suspect mold or microbial growth, noise pollution, naturally-occurring radon, regulatory compliance/non-compliance, substances not defined as CERCLA hazardous substances, and/or wetlands.

Users of this document who wish to obtain an evaluation of the subject property relative to any of the aforementioned non-ASTM Practice E 1527 scope considerations may contact AKT Peerless to retain these services.

## **7.0 Findings, Opinions, and Conclusions**

AKT Peerless has performed a Phase I ESA in conformance with the scope and limitations of ASTM International Practice E 1527-21 of Three parcels on the northwest corner of North Graham and Gratiot Roads, Thomas Township, Saginaw County, Michigan, the subject property. Any exceptions to, or deletions from, this practice are described in Section 8.0 of this report. AKT Peerless' findings and opinions with respect to potential RECs are presented throughout this report, including discussion and analysis of potential RECs that, after further consideration and research, were not determined to be RECs, HRECs, or CRECs. Such findings and opinions are discussed in the appropriate sections of this report.

### **7.1 Recognized Environmental Conditions**

This assessment has revealed no evidence of known RECs in connection with the subject property.

## 7.2 Controlled Recognized Environmental Conditions

This assessment has revealed no evidence of known CRECs in connection with the subject property.

## 7.3 Historical Recognized Environmental Conditions

This assessment has revealed no evidence of known HRECs in connection with the subject property.

## 7.4 De Minimis Conditions

During the course of Phase I ESAs, AKT Peerless often encounters conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. These conditions are not considered RECs, HRECs, or CRECs, but are defined by ASTM Practice E 1527 as *de minimis* conditions. In the interest of brevity, AKT Peerless did not develop a full list of *de minimis* conditions in this section, rather evaluated and identified these conditions in the appropriate sections of this report.

## 7.5 Significant Data Gaps

A data gap is a lack of, or inability to, obtain required information during the course of a Phase I ESA. AKT Peerless summarized data gaps, if identified, in the appropriate section of this report related to the source of information. A significant data gap is a data gap that affects AKT Peerless' ability to identify RECs. This assessment has revealed no instances of significant data gaps in connection with the subject property.

## 7.6 Other Notable Environmental Considerations

AKT Peerless' Phase I ESAs occasionally reveal other notable environmental considerations that may be relevant to the condition of the subject property that do not qualify as RECs, CRECs, HRECs, or *de minimis* conditions. AKT Peerless did not identify other notable environmental considerations during this assessment.

## 8.0 Deviations

AKT Peerless did not deviate from ASTM International Practice E 1527 when performing this Phase I ESA (i.e., no components of that practice were deleted and no additions to it were made).

## 9.0 Project Resources and References

AKT Peerless referred to the following resources between October 2, 2024 and October 21, 2024 to complete its Phase I ESA:

- United States Environmental Protection Agency (USEPA)
- United States Geological Survey (USGS)
- United States Department of Agriculture (USDA)
- Michigan Department of Environment, Great Lakes, and Energy (EGLE)
- Saginaw County Health Department
- Thomas Township Government Sources (e.g., assessing, building, fire, engineering departments, etc.)

- Environmental Risk Information Services (ERIS)
- Interviews and Questionnaire Responses
- Previous environmental assessments

Individual resources obtained from the referenced sources are cited in the appropriate sections of this report.

## 10.0 Continued Viability Evaluation

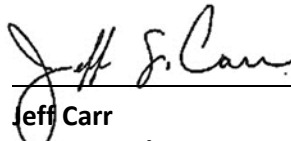
As described in Section 4.6 of ASTM Practice E 1527, a Phase I ESA meeting or exceeding the ASTM standard practice is presumed to be viable when conducted within 180 days prior to the date of property acquisition, lease, or refinance. Certain components of the Phase I ESA may be updated within one year. The completion dates of those components are summarized in the following table:

**Continued Viability Evaluation**

Critical Component	Completion Date
State and Federal Database Report	October 4, 2024
Government Records Review	October 7, 2024
Interviews	October 3, 2024
Site Inspection	October 11, 2024
Environmental Professional Declaration	October 21, 2024

## 11.0 Signatures of Environmental Professionals

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR Part 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



**Jeff Carr**  
**Group Leader**  
AKT Peerless  
Saginaw, Michigan Office  
Phone: 989-754-9896  
Fax: 989-754-3804  
carrj@aktpeerless.com



**Jacquelyn Luta**  
**Environmental Professional**  
AKT Peerless  
Saginaw, Michigan Office  
Phone: 989-754-9896  
Fax: 989-754-3804  
lutaj@aktpeerless.com

The following other consultants contributed to the completion of this report under the supervision and responsible charge of the above-identified environmental professional(s):



Emily Kreusch  
Environmental Consultant  
**AKT Peerless**  
Saginaw, Michigan Office

## Qualifications

# Jeff S. Carr

Group Leader – Project Manager

Mr. Carr has over 18 years of experience in environmental due diligence and assessment, environmental response activities, remediation, corrective action, and regulatory compliance management.

## EDUCATION

---

BS: Environmental Resource Planning, 2005 / University of Michigan, Flint

## LICENSES/REGISTRATIONS

---

State of Michigan Asbestos Building Inspector / Accreditation #A36083

OSHA 29 CFR 1910.120 / 40 and 8 Hour Refresher HAZWOPER Training

Certified Storm Water (Industrial Site) / Management Operator by the Michigan Department of Environmental Quality  
(Certification # I-10223)

CPR and First Aid Certification

## PROFESSIONAL EXPERIENCE

---

Group Leader – Project Manager

AKT Peerless Environmental Services (2015-Present)

Environmental Consultant

AKT Peerless Environmental Services (2011-2015)

Project Manager

Applied Ecosystems-Great Lakes, Inc. (2005-2011)

## AREA OF EXPERTISE

---

Environmental Due Diligence

Eighteen plus years of managing, coordinating, and evaluating potential risk at hundreds of commercial, industrial, and residential properties.

Remediation and Brownfield Redevelopment

Managing and coordinating field investigations including soil, groundwater, and soil gas sampling and the evaluation of the data to identify cost effective options that allow for the safe use and/or redevelopment of contaminated properties.

# Jeff S. Carr

Group Leader – Project Manager

## SUMMARY OF SELECTED PROJECTS

### *Genesee County Parks Department*

Year: 2019-2022

Location: Flint, Michigan

Served with a team of engineers, developers, and other stakeholders to evaluate the environmental condition of a 1.25-mile stretch of the Flint River, located in downtown Flint, Michigan. As part of a proposed riparian redevelopment along the Flint River, Mr. Carr served as the project lead related to environmental assessments. Assessments included analysis of groundwater, sediment, soil, and surface water in order to identify any potential exposure risks related to potential contaminants. Information obtained from AKT Peerless' assessments were used by the project team to develop appropriate site development plans based on the environmental conditions at the property. The project will convert a largely inaccessible stretch of the Flint River into a safer and more natural waterway. Construction is expected to begin in 2023.

### *Communities First, Inc.*

Year: 2016-2019

Location: Flint, Michigan

Served the prospective developer to conduct pre-purchase environmental due diligence as part of funding through MSHDA, using the LIHTC program. The property consisted of an unoccupied and dilapidated, 25,000-square foot school building, formerly known as Coolidge Elementary School, when the project was initiated. Mr. Carr served as the project lead related for all the environmental assessments completed between 2016-2019. Assessments included Phase I and II ESAs, a BEA, Response Activity Plan, Documentation of Due Care Compliance, lead-based paint survey, and asbestos containing materials survey. AKT Peerless requested EGLE to review the Response Activity Plan and Documentation of Due Care Compliance, both of which were approved by EGLE. Upon completion of the assessments, Communities First, Inc. successfully secured funding through MSHDA for the purchase and redevelopment of this property. Today, the property consists of the renovated former Coolidge Elementary School and a new multi-story mixed-use building, known as Coolidge Park Apartments.

### *Hutson, Inc.*

Year: 2021-Present

Location: 18 Sites Throughout Michigan

Served the prospective developer to conduct pre-purchase environmental due diligence on 18 properties throughout Michigan. The nature of business correlated with property acquisitions that included filling stations, automotive repair stations, manufacturing facilities, heavy equipment maintenance operations, and automotive dealerships. Mr. Carr served as the project lead for all environmental assessments completed since 2021. Assessments included Phase I and II ESAs, BEAs, Due Care Compliance, UST removal and assessment, remedial excavations, vapor intrusion investigations, as well as the design and installation of vapor mitigation systems. Upon completion of the assessments, Hutson, Inc. was successful in securing funding for the purchase and redevelopment of these properties. Today, these properties are in operation for retail agricultural use.

# Jacquelyn Luta

Environmental Consultant

Ms. Luta has over 30 years of consulting experience in environmental assessment, conducting hundreds of investigations to evaluate the presence, nature, and extent of environmental impact on soil, groundwater, and air. Ms. Luta is proficient in environmental laboratory analysis, environmental data evaluation and analytical quality control program design and management.

## EDUCATION

---

BS: Physical Science, 1999 / California State University, East Bay, California  
AS: Chemistry, 1982 / Delta College, University Center, Michigan

## LICENSES/REGISTRATIONS

---

OSHA 29 CFR 1910.120 / 40 Hour HAZWOPER Training and 8-Hour Refresher  
CPR and First Aid Certification

## PROFESSIONAL EXPERIENCE

---

Environmental Consultant  
AKT Peerless Environmental Services

Senior Environmental Project Manager  
Air Toxics Laboratory

Senior Environmental Chemist  
Environmental Resources Management

Senior Environmental Chemist  
Tetra Tech EM Inc.

Environmental Data Validation Chemist  
ICF International

Environmental Chemist  
Parsons / Engineering Science Laboratory



# Jacquelyn Luta

Environmental Consultant

## AREA OF EXPERTISE

### Environmental Due Diligence

Phase I & II Environmental Site Assessments to meet or exceed ASTM standards in evaluating potential risk at hundreds of commercial, industrial, and residential properties collectively. Includes coordinating and conducting historical research, interviews, site reconnaissance, and technical writing. Coordinate and conduct historical research, interviews, site reconnaissance, and technical writing. Site Investigation activities associated with leaking underground storage tank sites. Maintain direct client and regulatory agency contact.

### Laboratory Analytical Interpretation and Data Validation

Analytical laboratory data quality control / quality assurance specialist. Interpretation of laboratory analytical results and technical report writing. Environmental analytical laboratory program design and management. Environmental laboratory data validation program design and management.

## SUMMARY OF SELECTED PROJECTS

### *YMCA of Saginaw*

Year: 2023

Location: 1915 Fordney Street, Saginaw, Michigan

### *Hutson, Inc. of Michigan*

Year: 2021

Location: 1365 East Monroe Road, St. Louis, Michigan

### *Communities First, Inc.*

Year: 2021

Location: Baker College Campus, Flint, Michigan

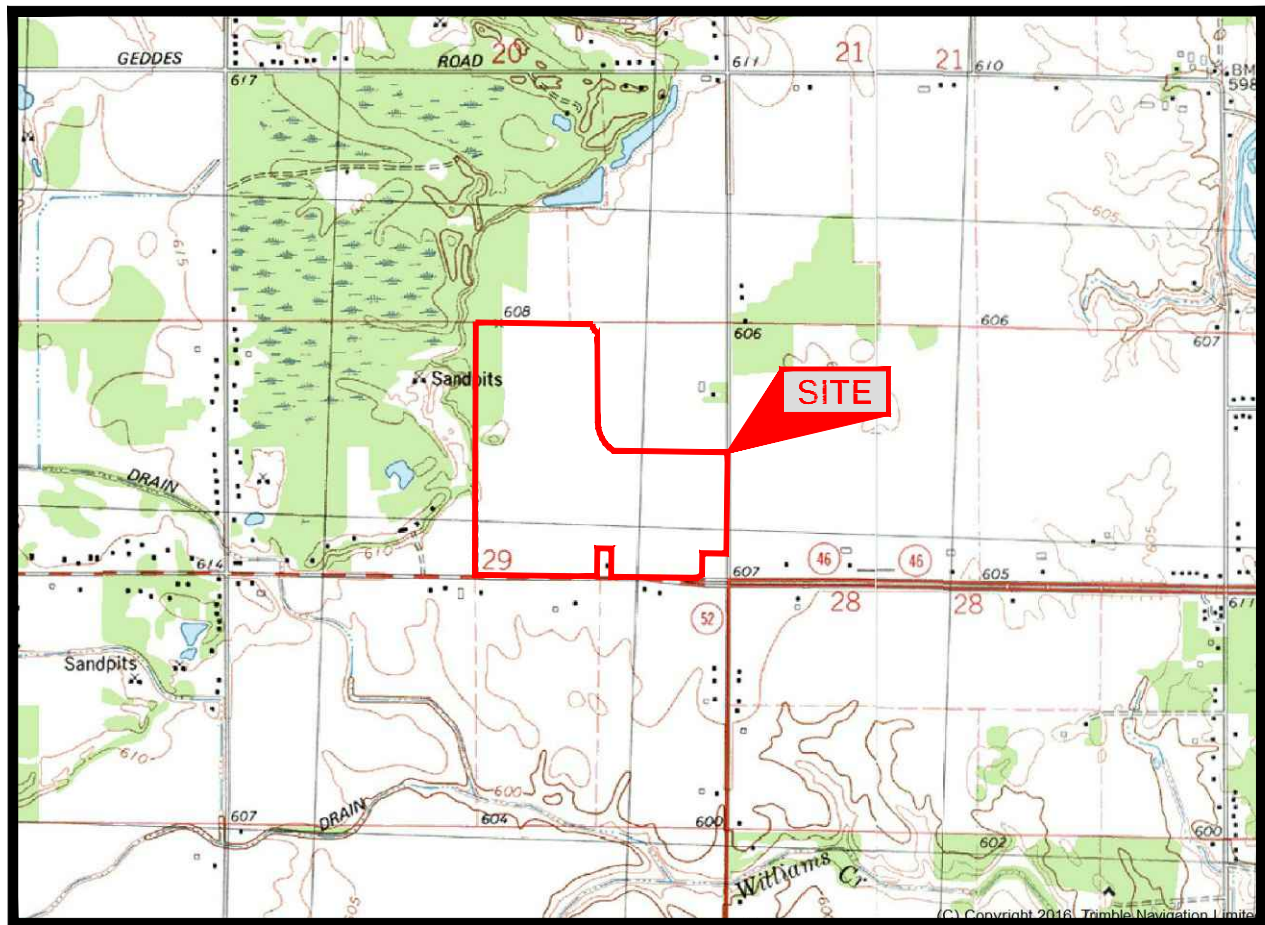
### *Department of Transportation, Management, and Budget / Michigan Department of Environment, Great Lakes, and Energy*

Year: 2021

Location: 110 Pearson Street, Beaverton, Michigan

## Figures

HEMLOCK QUADRANGLE  
MICHIGAN - SAGINAW COUNTY  
7.5 MINUTE SERIES (TOPOGRAPHIC)



T.12 N.-R.3 E.

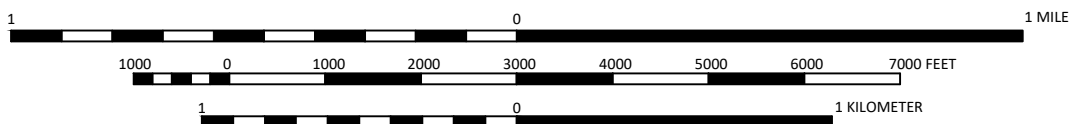
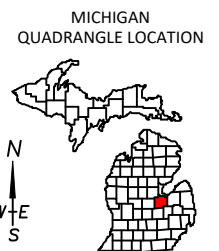


IMAGE TAKEN FROM 1975 U.S.G.S. TOPOGRAPHIC MAP

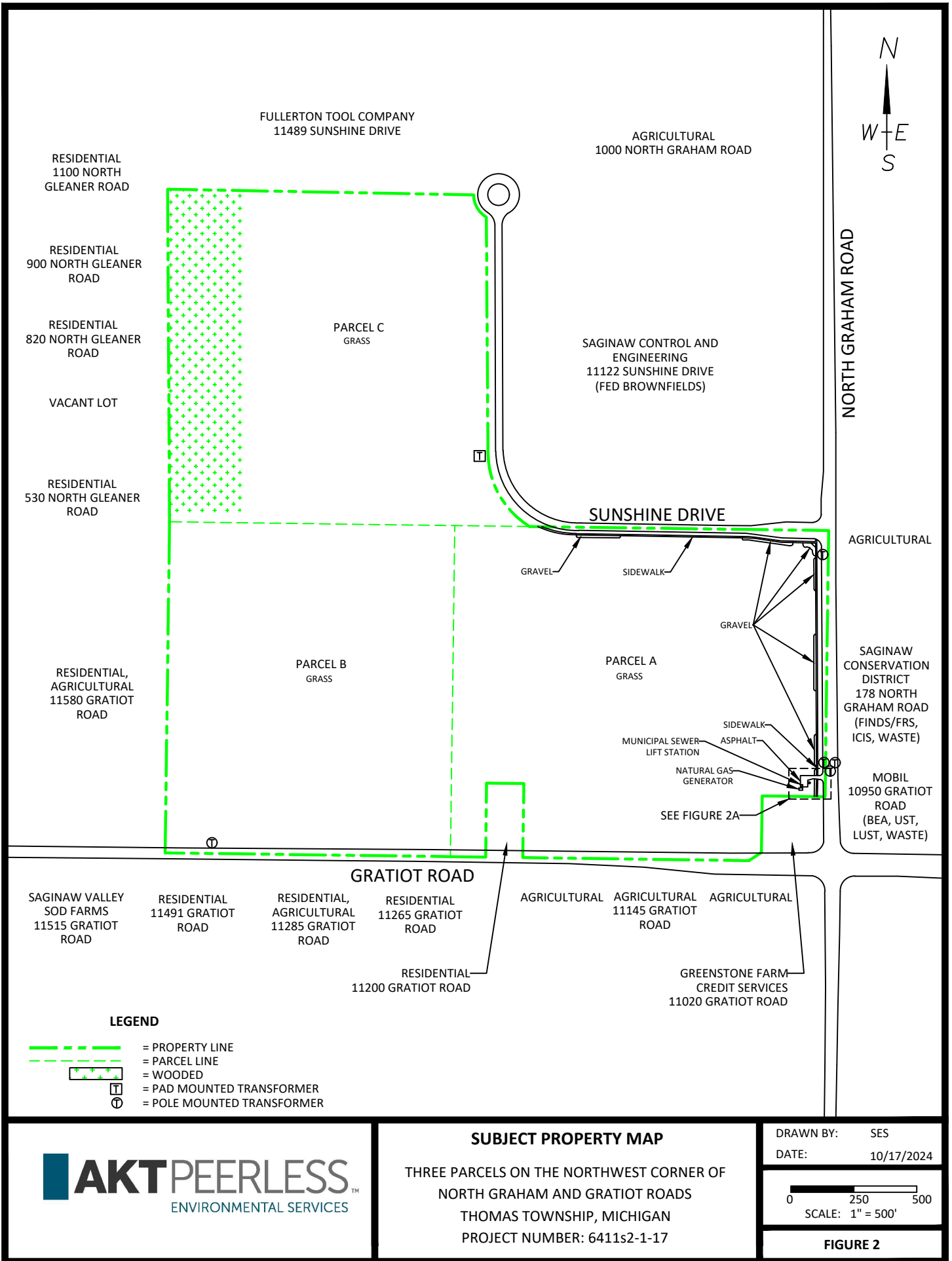


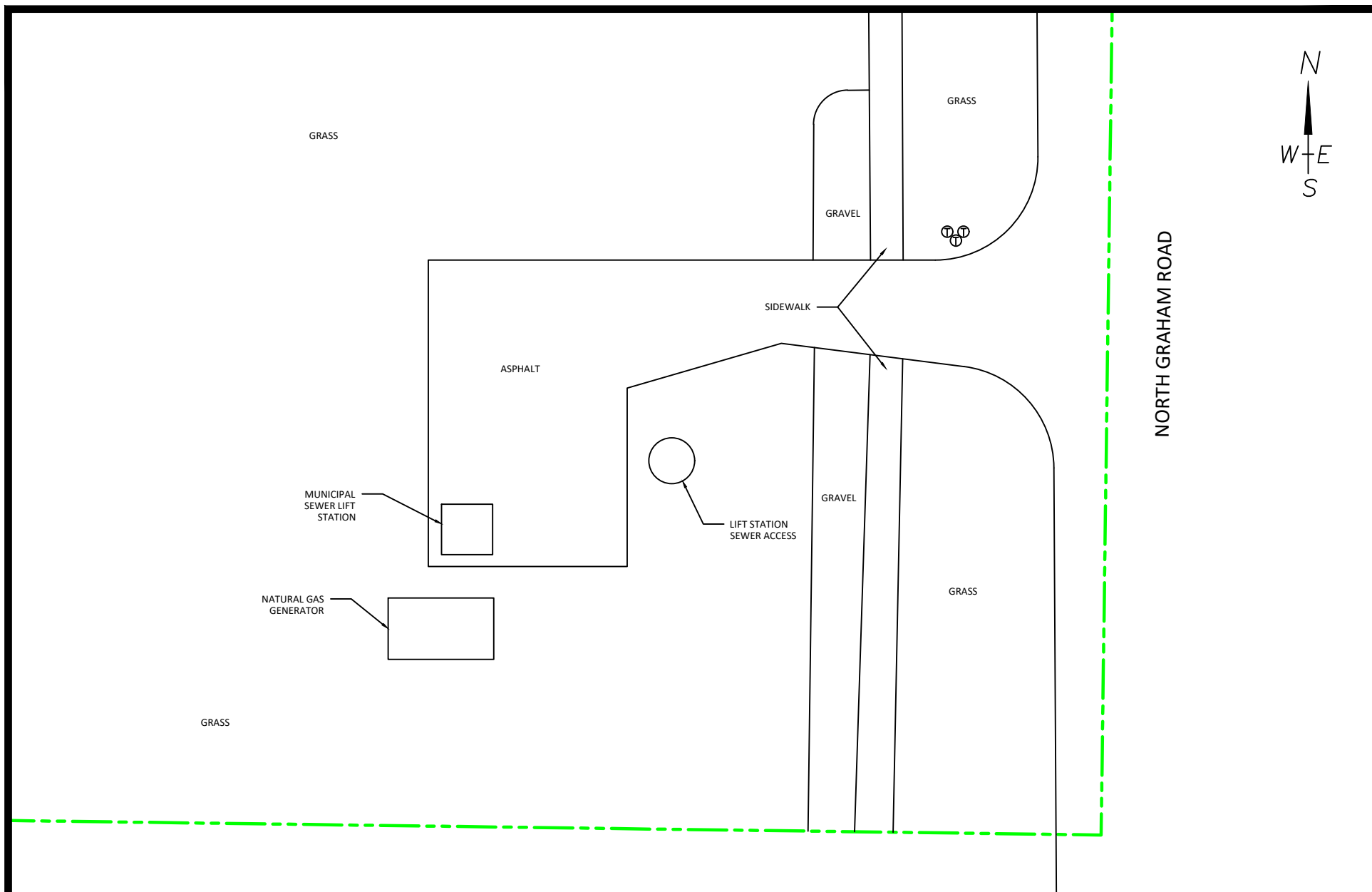
**AKT**PEERLESS<sup>TM</sup>  
ENVIRONMENTAL SERVICES

**TOPOGRAPHIC LOCATION MAP**  
THREE PARCELS ON THE NORTHWEST CORNER OF  
NORTH GRAHAM AND GRATIOT ROADS  
THOMAS TOWNSHIP, MICHIGAN  
PROJECT NUMBER: 6411s2-1-17

DRAWN BY: SES  
DATE: 10/17/2024

**FIGURE 1**





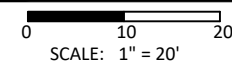
## SUBJECT PROPERTY MAP

THREE PARCELS ON THE NORTHWEST CORNER OF  
NORTH GRAHAM AND GRATIOT ROADS  
THOMAS TOWNSHIP, MICHIGAN  
PROJECT NUMBER: 6411s2-1-17

### LEGEND

-  = PROPERTY LINE  
 = POLE MOUNTED TRANSFORMER

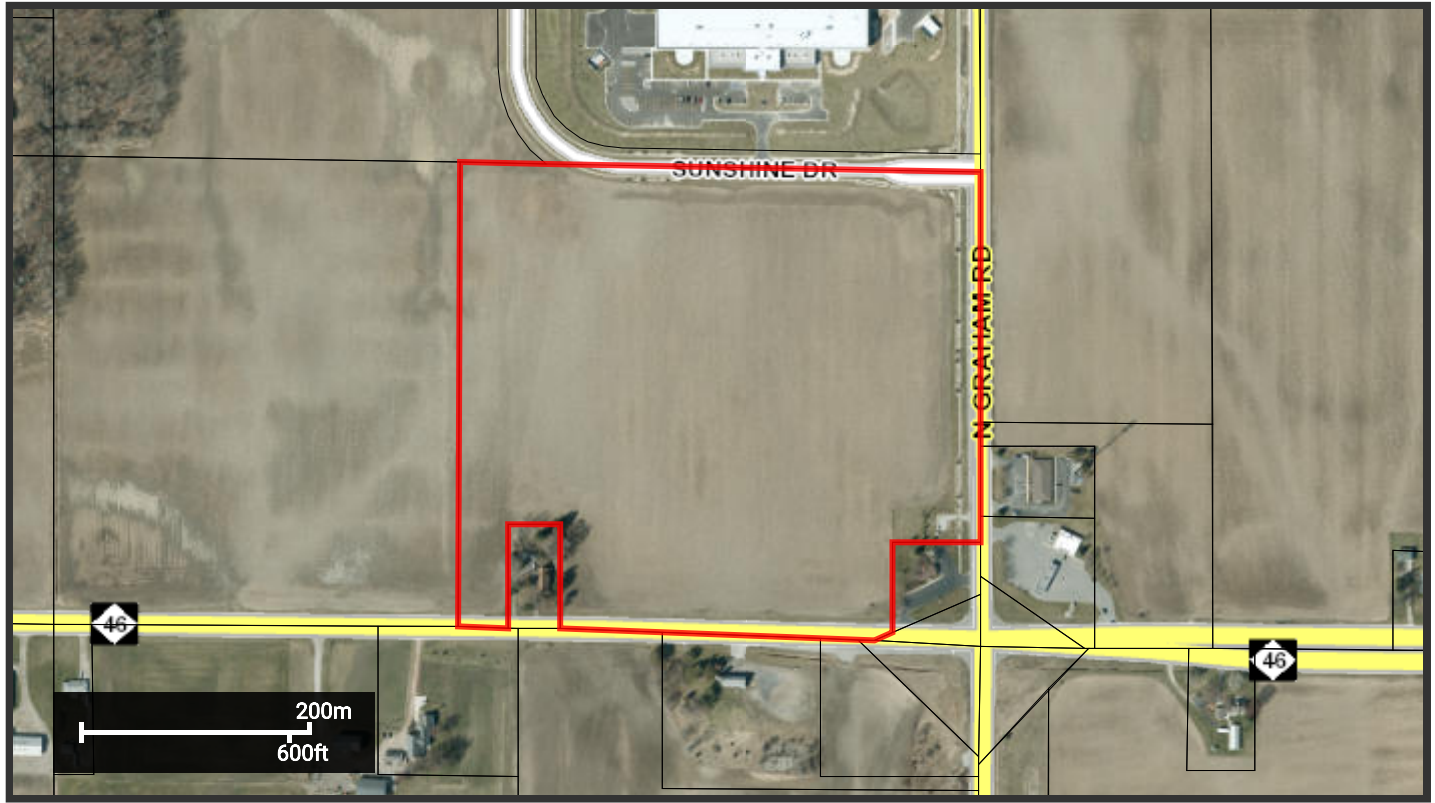
DRAWN BY:	SES
DATE:	10/17/2024



**FIGURE 2A**

## **Appendix A**

### **Property Description and Parcel Map**



## Property Address

705 N GRAHAM RD

SAGINAW, MI, 48609



## Owner Address

ECONOMIC DEVELOPMENT CORPORATION

SAGINAW FUTURE

515 N WASHINGTON, 3RD FLOOR

SAGINAW, MI 48607

Unit:	28
Unit Name:	THOMAS TOWNSHIP

General Information for 2024 Tax Year

<a href="#">Parcel Number:</a>	28-12-3-29-1002-002
Tax Status:	TAXABLE
<a href="#">Property Class:</a>	302
<a href="#">Class Name:</a>	INDUSTRIAL-VACANT
<a href="#">School Dist Code:</a>	73210
<a href="#">School Dist Name:</a>	HEMLOCK PUBLIC SCHOOL DIST
PRE 2023:	100%
PRE 2024:	100%

Assessed Value:	\$136,600
Taxable Value:	\$94,001
State Equalized Value:	\$136,600
PRE 2025 Tentative:	100%
PRE Date:	06-15-2011

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2023	\$142,500	\$142,500	\$89,525
2022	\$142,500	\$142,500	\$85,262

Land Information



Acreage:	42.3
Zoning:	SOLAR TECH

---

### Additional Land Information

Frontage:	0.00
Depth:	0.00
Land Value:	\$273202
Land Improvements:	\$0

---

### Pool Type:

Pool Area:	0
Pool Year Built:	0

---

### Tax Description

COM AT E 1/4 CORN OF SEC 29 TH W 300 FT TO POB TH CONT W 898 FT TH N 294.32 FT TH W 148 FT TH S 294.32 FT TH W 139.84 FT TH N 1315.99 FT TH E 1485.98 FT TH S 1058.08 FT TH W 250.03 TH S 225.04 FT TH S63DEG W 55.54 FT TO POB - 42.30 ACRES SEC 29 T12N R3E \*\*\* NEW SPLIT FROM PARENT 1002-000 05-13-2011

---

### Sales Information

Sale Date: 09-15-2011

Sale Price: 0

Instrument: WD

Grantor: FAUCHER INVESTMENTS

Grantee: ECONOMIC DEVELOPMENT CORPORATION

Terms of Sale: 33-TO BE DETERMINED

Liber/Page: 2637:1346

---

### Building Information

No Records Found

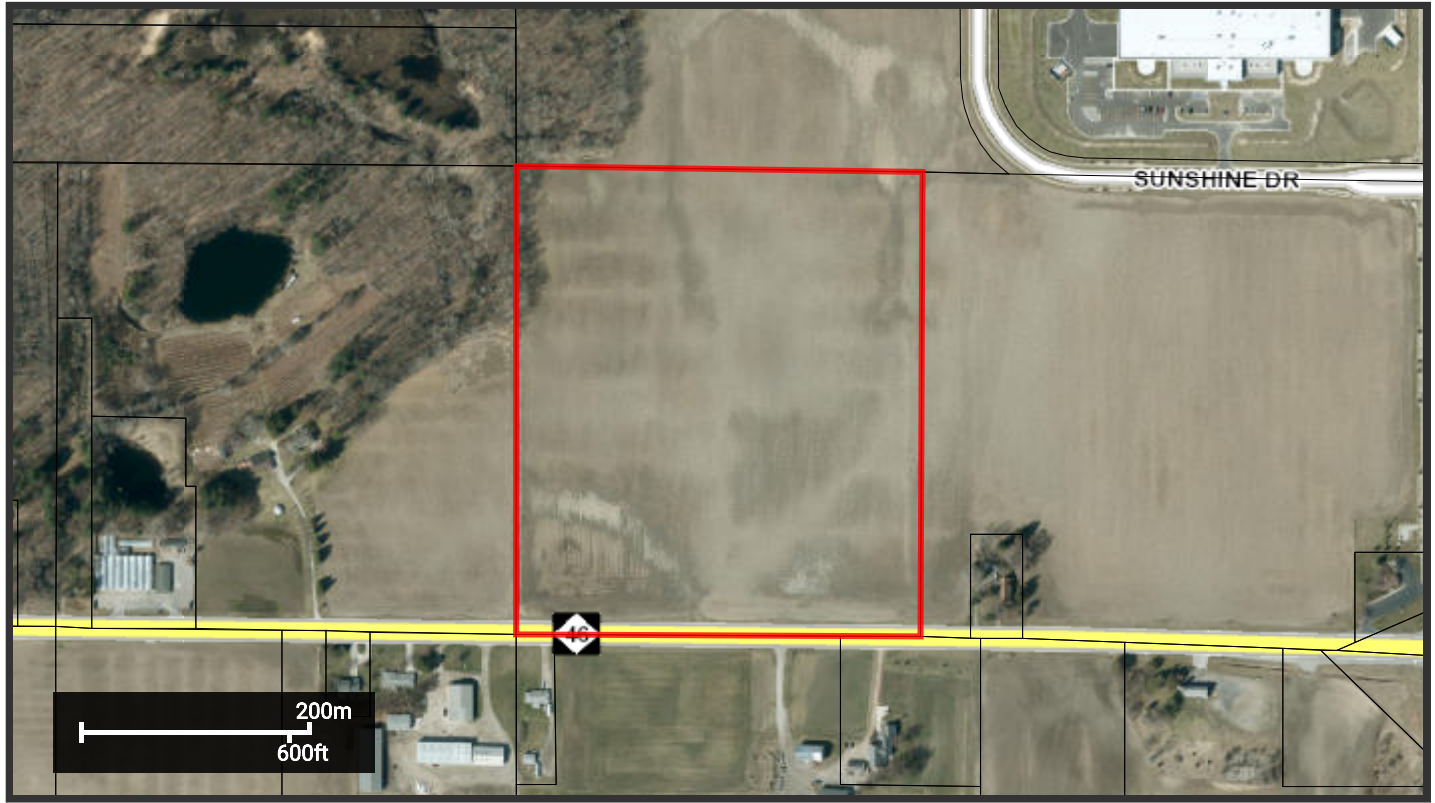
---

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## Property Address

705 N GRAHAM RD

SAGINAW, MI, 48609



## Owner Address

ECONOMIC DEVELOPMENT CORPORATION

SAGINAW FUTURE

515 N WASHINGTON AVE 3RD FLOOR

Unit:	28
Unit Name:	THOMAS TOWNSHIP

General Information for 2024 Tax Year

<a href="#">Parcel Number:</a>	28-12-3-29-1002-003
Tax Status:	TAXABLE
<a href="#">Property Class:</a>	302
<a href="#">Class Name:</a>	INDUSTRIAL-VACANT
<a href="#">School Dist Code:</a>	73210
<a href="#">School Dist Name:</a>	HEMLOCK PUBLIC SCHOOL DIST

PRE 2023:	100%
PRE 2024:	100%

Assessed Value:	\$119,600
Taxable Value:	\$76,217
State Equalized Value:	\$119,600

PRE 2025 Tentative:	100%
PRE Date:	06-15-2011

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2023	\$115,500	\$115,500	\$72,588
2022	\$115,500	\$115,500	\$69,132

## Land Information

Acreage:	33.88
Zoning:	SOLAR TECH

## Additional Land Information

Frontage:	0.00
Depth:	0.00
Land Value:	\$239269
Land Improvements:	\$0

## Pool Type:

Pool Area:	0
Pool Year Built:	0

## Tax Description

S 1/2 OF NE 1/4 OF SEC 29 EXC COM AT E 1/4 CORN OF SEC 29 TH W 1485.84 FT TH N 1315.99 FT TH E 1485.99 TH S ALONG E LINE OF SAID SEC TO E 1/4 CORN AND POB - 33.88 ACRES SEC 29 T12N R3E \*\*\*NEW SPLIT FROM PARENT 1002-000 05-13-2011

## Sales Information

Sale Date: 05-12-2011

Sale Price: 0

Instrument: WD

Grantor: FAUCHER INVESTMENTS

Grantee: ECONOMIC DEVELOPMENT CORPORATION

Terms of Sale: 21-NOT USED/OTHER

Liber/Page: 2622:1900

## Building Information

No Records Found

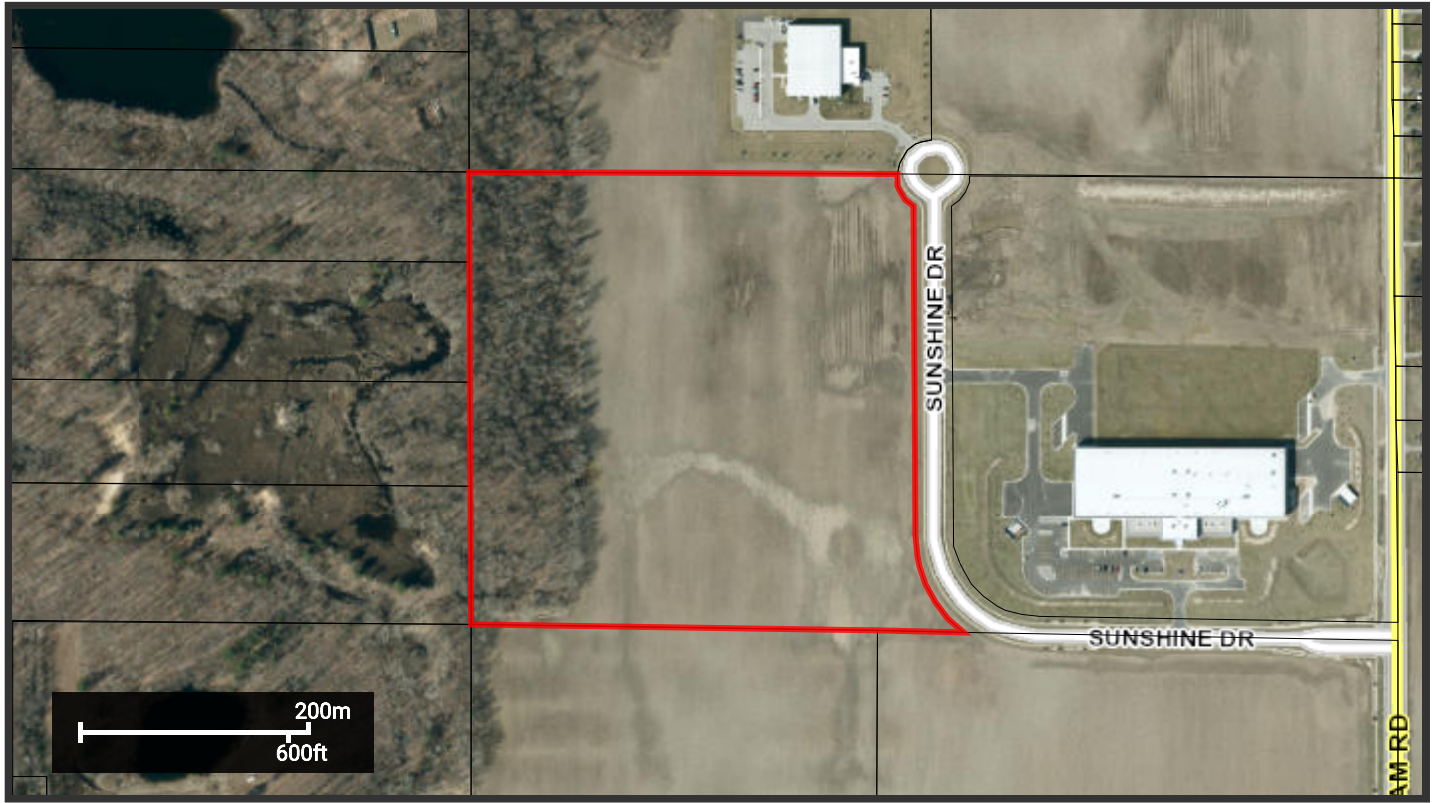
---

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## Property Address

SUNSHINE DR

SAGINAW, MI, 48609

This Parcel has no  
image on file.

## Owner Address

ECONOMIC DEVELOPMENT CORP

--

515 N WASHINGTON AVENUE 3RD FLOOR

SAGINAW, MI 48607

Unit:	28
Unit Name:	THOMAS TOWNSHIP

### General Information for 2024 Tax Year

<a href="#">Parcel Number:</a>	28-12-3-29-1001-003
Tax Status:	TAXABLE
<a href="#">Property Class:</a>	302
<a href="#">Class Name:</a>	INDUSTRIAL-VACANT
<a href="#">School Dist Code:</a>	73210
<a href="#">School Dist Name:</a>	HEMLOCK PUBLIC SCHOOL DIST
PRE 2023:	100%
PRE 2024:	100%

Assessed Value:	\$130,600
Taxable Value:	\$86,841
State Equalized Value:	\$130,600

PRE 2025 Tentative:	100%
PRE Date:	01-14-2019
Rescind Date:	11-10-2011

### Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2023	\$131,600	\$131,600	\$82,706
2022	\$131,600	\$131,600	\$78,768

### Land Information

Acreage:	38.596
Zoning:	A-1



---

### Additional Land Information

Frontage:	0.00
Depth:	0.00
Land Value:	\$261194
Land Improvements:	\$0

---

### Pool Type:

Pool Area:	0
Pool Year Built:	0

### Tax Description

COM AT NE COR OF SEC TH S 00°23'31" E ON E LN OF SD SEC 1308.10 FT TO N 1/8 LN OF SD SEC BEING ALSO THE ELY EXTN OF CL SUNSHINE DRIVE TH N 89°14'23" W ON SD N 1/8 LN & ELY EXTN & CL OF SD SUNSHINE DRIVE 1203.36 FT TO A PT ON SLY LN OF SD SUNSHINE DR & POB OF THIS DESC TH N 89°14'23" W CONT ON SD N 1/8 LN 1431.16 FT TO N & S 1/4 LN OF SD SEC TH N 00°20'04" W ON SD N & S 1/4 LN 1322.06 FT TO N 1/4 COR OF SD SEC TH S 88°56'08" E ON N LN OF SD SEC 1216.75 FT TO A PT ON A 100 FT RADIUS CUL-DE-SAC OF SD SUNSHINE DR TH SELY ALG ARC OF SD CUL-DE-SAC 107.21 FT SD CUL-DE-SAC BEING SUBTENDE BY A CHORD BEARING S 29°38'57" E & DIST OF 102.15 FT TO A PT ON W LN OF SD SUNSHINE DR TH S 00°21'47" E ON SD W LN BEING A LN WHICH IS PARA WITH & 50 FT MEAS AT RGT ANGL W OF E 1/8 LN OF SD SEC 934.31 FT TO PT OF CURVATURE OF A 350 FT RAD CURVE TO THE LEFT TH SELY ON ARC OF SD CURVE & BEING SLY LN OF SD SUNSHINE DR 353.53 FT TO POB SD CURVE BEING SUBTENDE BY A CHORD BEARING S 29°18'00" E & DIST OF 338.69 FT - 38.60 ACRES SEC 29 T12N R3E  
\*\*\*SPLIT FROM PARENT 1001-001 11/07/18

### Sales Information

No Records Found

### Building Information

No Records Found

---

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## **Appendix B**

### **Reconnaissance Photographs**



**PARCEL A- FACING NORTH**



**PARCEL A – FACING EAST**



**PARCEL A – FACING SOUTH**



**PARCEL B – FACING NORTH**





PARCEL C – FACING WEST



PARCEL C – FACING SOUTH





**LIFT STATION AND NATURAL GAS GENERATOR  
PARCEL A**



**SANITARY SEWER AND LIFT STATION ACCESS  
PARCEL A**





**TYPICAL VIEW OF TRANSFORMER AND UTILITES ACCESS**



**SOUTHEASTERN ADJOINING PROPERTY**



**SOUTHEASTERN ADJOINING PROPERTY**



**EASTERN ADJOINING PROPERTY**





**EASTERN ADJOINING PROPERTY**



**EASTERN ADJOINING PROPERTY**



**NORTHEASTERN ADJOINING PROPERTY**



**NORTHERN ADJOINING PROPERTY**





WESTERN ADJOINING PROPERTY



WESTERN ADJOINING PROPERTY



SOUTHERN ADJOINING PROPERTY



SOUTHERN ADJOINING PROPERTY

## **Appendix C**

### **Standard Environmental Record Database Report**



# DATABASE REPORT

<b>Project Property:</b>	<i>705 North Graham Road 705 North Graham Road Saginaw MI 48609</i>
<b>Project No:</b>	<i>6411s2-1-17</i>
<b>Report Type:</b>	<i>Database Report</i>
<b>Order No:</b>	<i>24100300191</i>
<b>Requested by:</b>	<i>AKT Peerless</i>
<b>Date Completed:</b>	<i>October 4, 2024</i>

**Environmental Risk Information Services**

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

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# Executive Summary

## Property Information:

**Project Property:** 705 North Graham Road  
705 North Graham Road Saginaw MI 48609

**Project No:** 6411s2-1-17

### **Coordinates:**

**Latitude:** 43.41947792  
**Longitude:** -84.13665531  
**UTM Northing:** 4,811,381.60  
**UTM Easting:** 731,798.04  
**UTM Zone:** 16T

**Elevation:** 607 FT

## Order Information:

**Order No:** 24100300191  
**Date Requested:** October 3, 2024  
**Requested by:** AKT Peerless  
**Report Type:** Database Report

## Historicals/Products:

**Aerial Photographs** Historical Aerials (with Project Boundaries)  
**City Directory Search** CD - 1 Street Search  
**ERIS Xplorer** [ERIS Xplorer](#)  
**Excel Add-On** Excel Add-On



## Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
<b><u>Standard Environmental Records</u></b>								
<b>Federal</b>								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	0	-	-	0
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	1	0	0	-	1
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

<b>Database</b>	<b>Searched</b>	<b>Search Radius</b>	<b>Project Property</b>	<b>Within 0.12mi</b>	<b>0.125mi to 0.25mi</b>	<b>0.25mi to 0.50mi</b>	<b>0.50mi to 1.00mi</b>	<b>Total</b>
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
DOE FUSRAP	Y	1	0	0	0	0	0	0

#### State

SHWS	Y	1	0	0	0	0	0	0
DELISTED CONTAM	Y	1	0	0	0	0	1	1
DELISTED SHWS	Y	1	0	0	0	0	0	0
SITE CLEANUP	Y	0.25	0	0	0	-	-	0
SWF/LF	Y	0.5	0	0	0	0	-	0
WASTE	Y	0.5	0	2	0	0	-	2
RECYCLING	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	1	0	0	-	1
DELISTED LUST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	1	0	-	-	1
AST	Y	0.25	0	0	0	-	-	0
UNREG TANK	Y	0.25	0	0	0	-	-	0
TANK FACILITY	Y	0.25	0	0	0	-	-	0
DELISTED TANK	Y	0.25	0	0	0	-	-	0
AUL	Y	0.5	0	0	0	0	-	0
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
BFLD REDEV	Y	0.5	0	0	0	0	-	0
BFLD UST	Y	0.5	0	0	0	0	-	0
NFA RES	Y	0.5	0	0	0	0	-	0

#### Tribal

INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0

#### County

<b>Database</b>	<b>Searched</b>	<b>Search Radius</b>	<b>Project Property</b>	<b>Within 0.12mi</b>	<b>0.125mi to 0.25mi</b>	<b>0.25mi to 0.50mi</b>	<b>0.50mi to 1.00mi</b>	<b>Total</b>
BFLD GRAND RAPIDS	Y	0.5	0	0	0	0	-	0
<b><u>Additional Environmental Records</u></b>								
<b>Federal</b>								
PFAS GHG	Y	0.5	0	0	0	0	-	0
OSC RESPONSE	Y	0.125	0	0	-	-	-	0
FINDS/FRS	Y	PO	0	1	-	-	-	1
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	1	-	-	-	1
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0

#### State

SPILLS	Y	0.125	0	1	-	-	-	1
BEA	Y	1	0	1	0	0	0	1
PFAS CONTAM	Y	0.5	0	0	0	0	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
LIEN	Y	PO	0	-	-	-	-	0

#### Tribal

**No Tribal additional environmental record sources available for this State.**

#### County

CDL KALAMAZOO	Y	0.125	0	0	-	-	-	0
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**Total:** 0 9 0 0 1 10

\* PO – Property Only

\* 'Property and adjoining properties' database search radii are set at 0.25 miles.

# Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

## Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">1</a>	FINDS/FRS	M46 & M52	180 N. GRAHAM RD SAGINAW MI 48609  <i>Registry ID:</i> 110028107803	ESE	0.01 / 51.71	-1	<a href="#">18</a>
<a href="#">1</a>	ICIS	M46 & M52	180 N. GRAHAM RD SAGINAW MI 48609  <i>Registry ID:</i> 110028107803	ESE	0.01 / 51.71	-1	<a href="#">18</a>
<a href="#">1</a>	WASTE	SAGINAW CONSERVATION DISTRICT	178 N GRAHAM RD SAGINAW MI 48609	ESE	0.01 / 51.71	-1	<a href="#">19</a>
<a href="#">2</a>	BEA		10950 Gratiot Road MI 48609	ESE	0.04 / 220.35	-2	<a href="#">19</a>
<a href="#">2</a>	UST	7-Eleven #36932	10950 GRATIOT RD SAGINAW MI 48609-9483  <i>Facility ID:</i> 00033327 <i>New Tank ID No / Old Tank ID No / Tank Removal Date:</i> UTK-097089-15   1   , UTK-097093-15   2	ESE	0.04 / 220.35	-2	<a href="#">19</a>
<a href="#">2</a>	LUST	7-Eleven #36932	10950 GRATIOT RD, SAGINAW, MI, 48609 MI <i>Facility ID:</i> 00033327	ESE	0.04 / 220.35	-2	<a href="#">20</a>
<a href="#">2</a>	WASTE	7-11	10950 GRATIOT RD SAGINAW MI 48603	ESE	0.04 / 220.35	-2	<a href="#">22</a>
<a href="#">3</a>	SPILLS		GRATIOT & M-52 SHIELDS MI	ESE	0.05 / 257.79	-2	<a href="#">22</a>
<a href="#">4</a>	FED BROWNFIELDS	Proposed Solar Park	795 North Graham Road Saginaw MI 48609  <i>Property ID:</i> 154321	ENE	0.12 / 612.26	0	<a href="#">23</a>
<a href="#">5</a>	DELISTED CONTAM	SHIELDS MANUFACTURING	1320 S GRAHAM RD SAGINAW MI 48603	SSE	0.79 / 4,177.18	-6	<a href="#">27</a>

## Executive Summary: Summary by Data Source

### Standard

#### Federal

##### **FED BROWNFIELDS - The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database**

A search of the FED BROWNFIELDS database, dated Feb 7, 2024 has found that there are 1 FED BROWNFIELDS site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Proposed Solar Park	795 North Graham Road Saginaw MI 48609	ENE	0.12 / 612.26	<a href="#">4</a>
<i>Property ID: 154321</i>				

#### State

##### **DELISTED CONTAM - Delisted Contaminated Sites**

A search of the DELISTED CONTAM database, dated Jul 24, 2018 has found that there are 1 DELISTED CONTAM site(s) within approximately 1.00miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SHIELDS MANUFACTURING	1320 S GRAHAM RD SAGINAW MI 48603	SSE	0.79 / 4,177.18	<a href="#">5</a>

##### **WASTE - Waste Data System**

A search of the WASTE database, dated Aug 13, 2024 has found that there are 2 WASTE site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SAGINAW CONSERVATION DISTRICT	178 N GRAHAM RD SAGINAW MI 48609	ESE	0.01 / 51.71	<a href="#">1</a>
7-11	10950 GRATIOT RD SAGINAW MI 48603	ESE	0.04 / 220.35	<a href="#">2</a>

##### **LUST - Leaking Underground Storage Tank**

A search of the LUST database, dated Jun 20, 2024 has found that there are 1 LUST site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
7-Eleven #36932	10950 GRATIOT RD, SAGINAW, MI, 48609 MI <i>Facility ID: 00033327</i>	ESE	0.04 / 220.35	<a href="#">2</a>

### **UST - Underground Storage Tank**

A search of the UST database, dated Jul 24, 2024 has found that there are 1 UST site(s) within approximately 0.25miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
7-Eleven #36932	10950 GRATIOT RD SAGINAW MI 48609-9483  <i>Facility ID: 00033327</i> <i>New Tank ID No   Old Tank ID No   Tank Removal Date: UTK-097089-15   1   , UTK-097093-15   2  </i>	ESE	0.04 / 220.35	<a href="#">2</a>

### **Non Standard**

### **Federal**

### **FINDS/FRS - Facility Registry Service/Facility Index**

A search of the FINDS/FRS database, dated Apr 26, 2024 has found that there are 1 FINDS/FRS site(s) within approximately 0.02miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
M46 & M52	180 N. GRAHAM RD SAGINAW MI 48609  <i>Registry ID: 110028107803</i>	ESE	0.01 / 51.71	<a href="#">1</a>

### **ICIS - Integrated Compliance Information System (ICIS)**

A search of the ICIS database, dated Apr 13, 2024 has found that there are 1 ICIS site(s) within approximately 0.02miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
M46 & M52	180 N. GRAHAM RD SAGINAW MI 48609  <i>Registry ID: 110028107803</i>	ESE	0.01 / 51.71	<a href="#">1</a>

### **State**

### **SPILLS - Pollution Emergency Alerting (PEAS)**

A search of the SPILLS database, dated Jun 3, 2024 has found that there are 1 SPILLS site(s) within approximately 0.12miles of the project property.

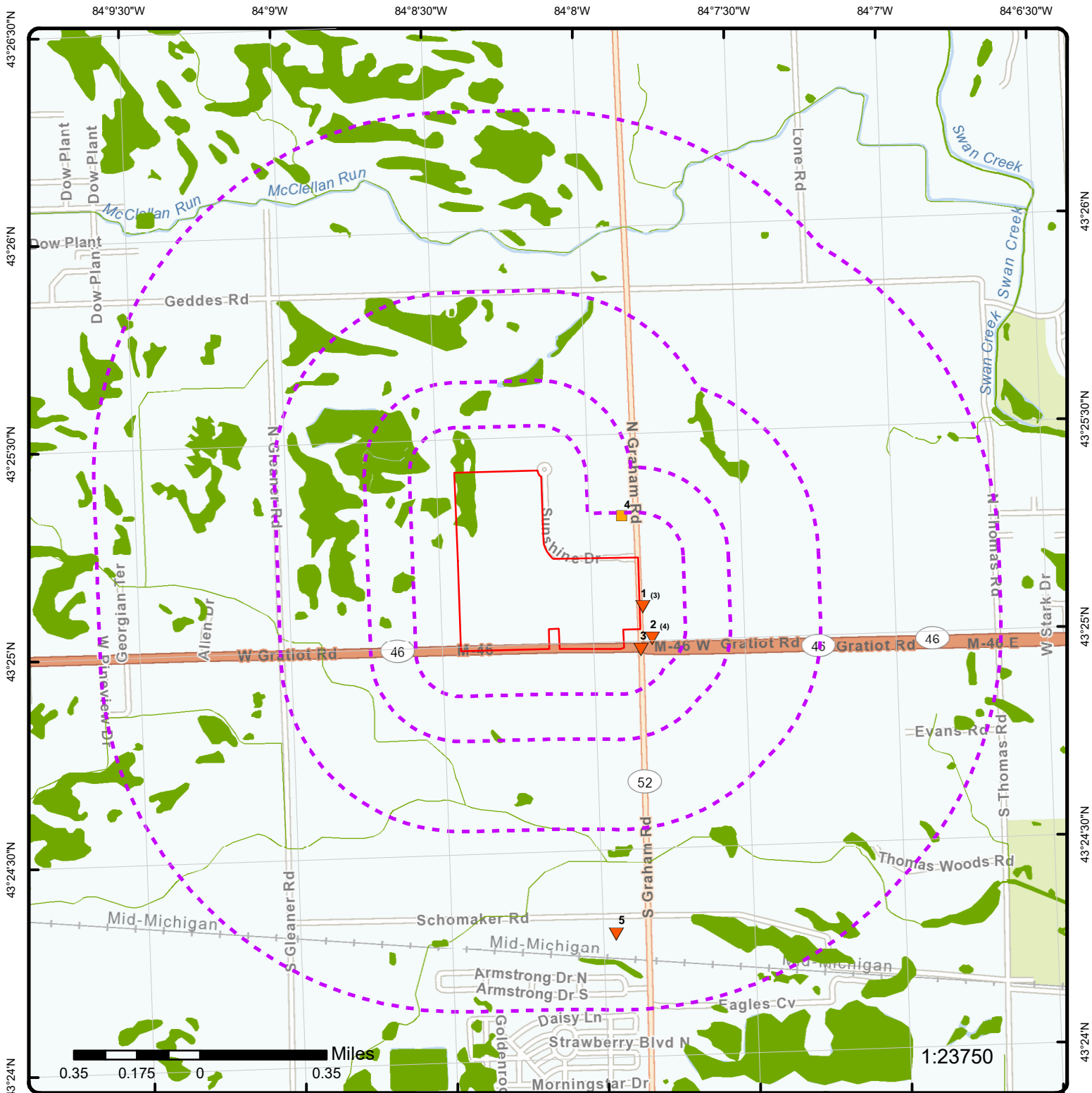
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	GRATIOT & M-52 SHIELDS MI	ESE	0.05 / 257.79	<a href="#">3</a>

### **BEA - Baseline Environmental Assessment**



A search of the BEA database, dated Dec 17, 2020 has found that there are 1 BEA site(s) within approximately 1.00miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	10950 Gratiot Road MI 48609	ESE	0.04 / 220.35	<a href="#">2</a>



## Map: 1.0 Mile Radius

Order Number: 24100300191

Address: 705 North Graham Road, Saginaw, MI



Project Property

Buffer Outline

Sites with Higher Elevation

Sites with Same Elevation

Sites with Lower Elevation

Sites with Unknown Elevation

Areas with Higher Elevation

Areas with Same Elevation

Areas with Lower Elevation

Areas with Unknown Elevation

Freeways; Highways

Traffic Circle; Ramp

Major & Minor Arterial

Traffic Circle; Ramp

Local Road

Rail

State

Country

National Wetland

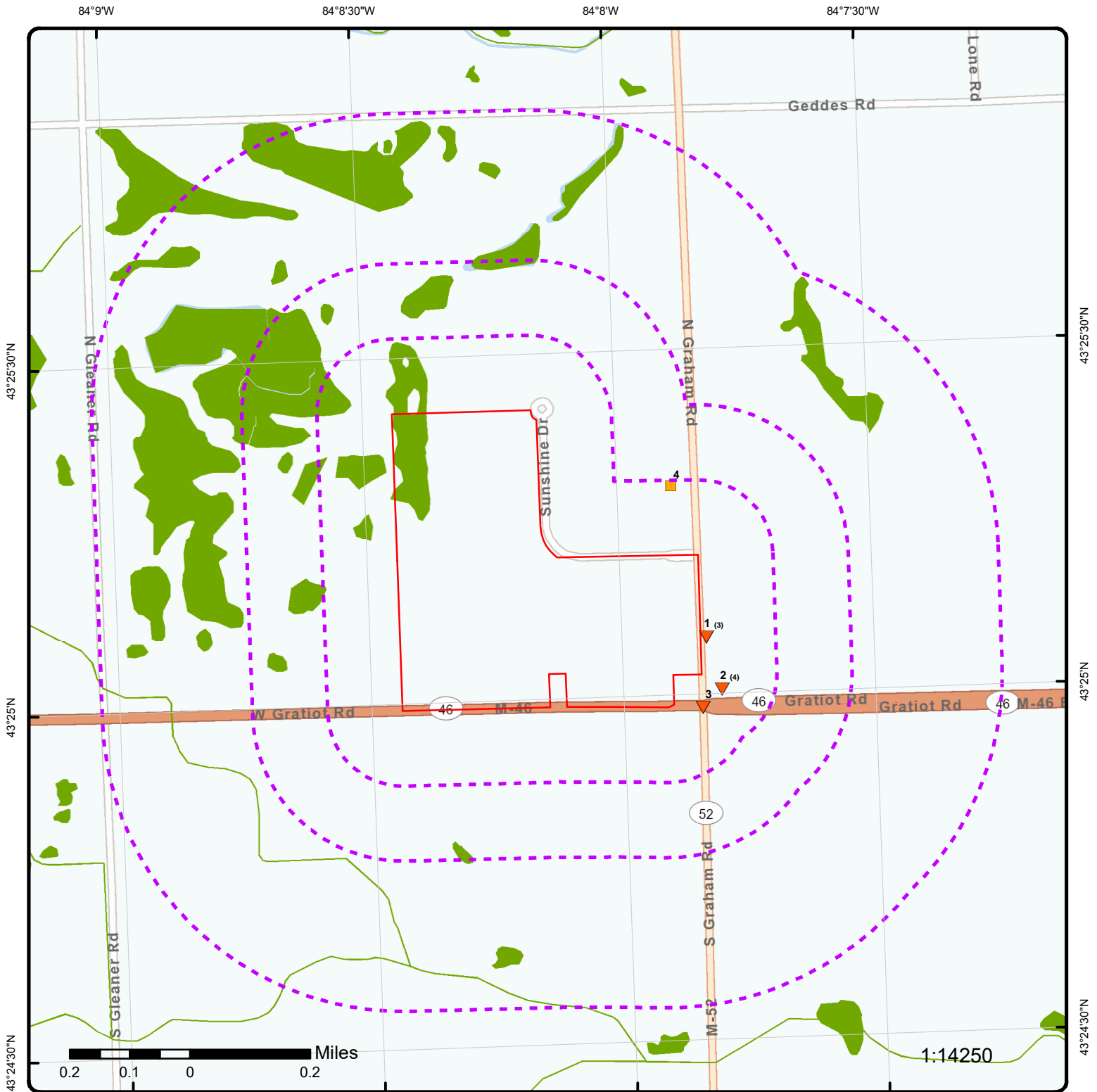
Indian Reserve Land

100 Year Flood Zone

500 Year Flood Zone

FWS Special Designation Areas

National Priorities List (Active, Delisted, Proposed, Institutional Control)



## Map: 0.5 Mile Radius

Order Number: 24100300191

Address: 705 North Graham Road, Saginaw, MI



Project Property

Buffer Outline

Sites with Higher Elevation

Sites with Same Elevation

Sites with Lower Elevation

Sites with Unknown Elevation

Areas with Higher Elevation

Areas with Same Elevation

Areas with Lower Elevation

Areas with Unknown Elevation

Freeways; Highways

Traffic Circle; Ramp

Major & Minor Arterial

Traffic Circle; Ramp

Local Road

Rail

State

Country

National Wetland

Indian Reserve Land

100 Year Flood Zone

500 Year Flood Zone

FWS Special Designation Areas

National Priorities List (Active, Delisted, Proposed, Institutional Control)

84°8'30"W

84°7'30"W

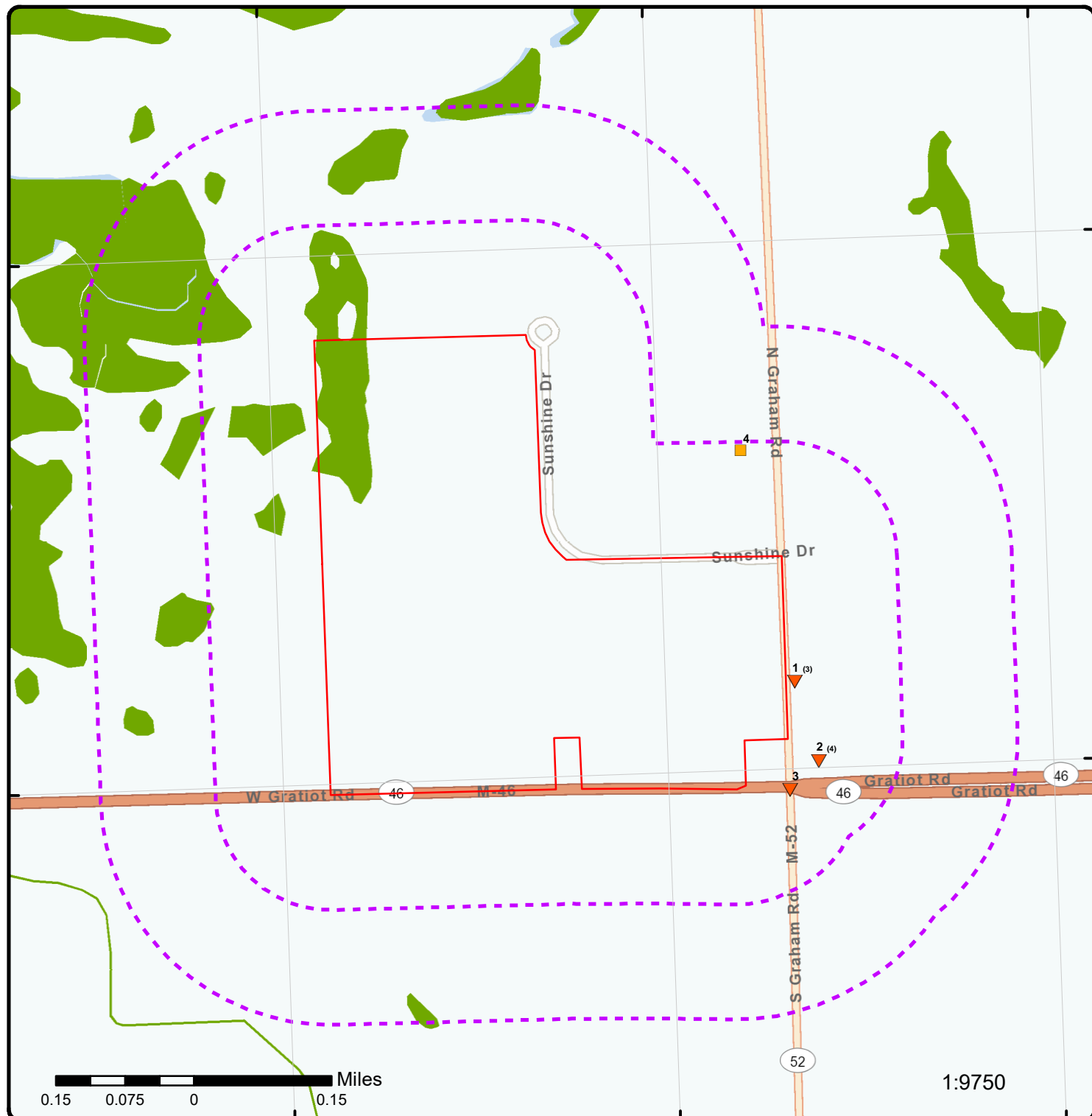
84°7'30"W

43°25'30"N

43°25'30"N

43°25'N

43°25'N



## Map: 0.25 Mile Radius

Order Number: 24100300191

Address: 705 North Graham Road, Saginaw, MI



Project Property

Buffer Outline

▲ Sites with Higher Elevation

■ Sites with Same Elevation

▼ Sites with Lower Elevation

Sites with Unknown Elevation

Areas with Higher Elevation

Areas with Same Elevation

Areas with Lower Elevation

Areas with Unknown Elevation

Freeways; Highways

Traffic Circle; Ramp

Major & Minor Arterial

Traffic Circle; Ramp

Local Road

Rail

State

Country

National Wetland

Indian Reserve Land

100 Year Flood Zone

500 Year Flood Zone

FWS Special Designation Areas

National Priorities List (Active, Delisted, Proposed, Institutional Control)



84°8'30"W

84°7'30"W

84°7'30"W

43°25'30"N

43°25'30"N

43°25'N

43°25'N



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

**Aerial** Year: 2016

Address: 705 North Graham Road, Saginaw, MI

Source: ESRI World Imagery

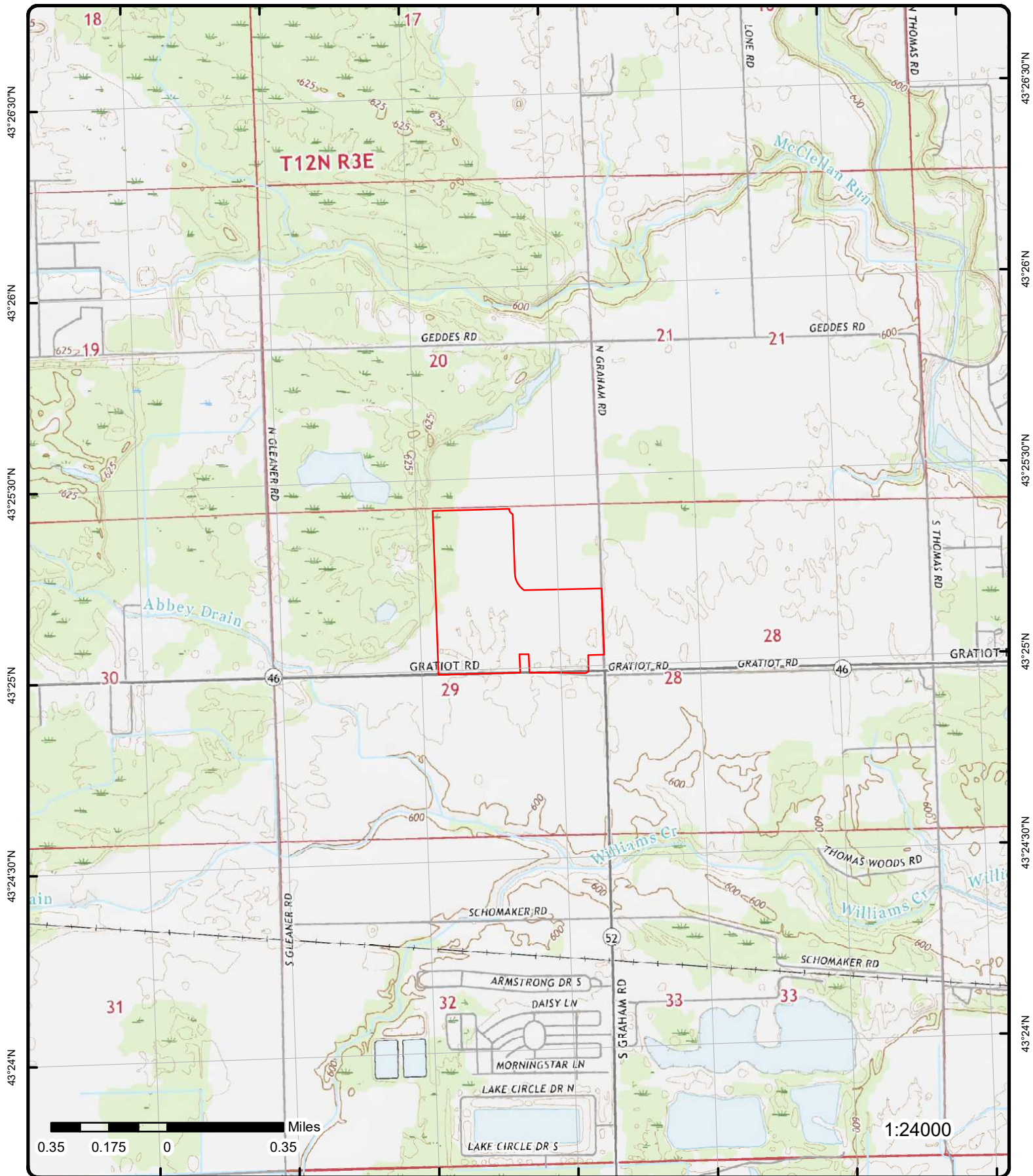
Order Number: 24100300191



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84°9'30"W 84°9'W 84°8'30"W 84°8'W 84°7'30"W 84°7'W 84°6'30"W



# Topographic Map Year: 2019

Order Number: 24100300191

Address: 705 North Graham Road, MI



Quadrangle(s): Hemlock MI, Shields MI

© ERIS Information Inc.

Source: USGS Topographic Map

# Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">1</a>	1 of 3	ESE	0.01 / 51.71	606.05 / -1	M46 & M52 180 N. GRAHAM RD SAGINAW MI 48609	FINDS/FRS
<b>Registry ID:</b> 110028107803 <b>FIPS Code:</b> <b>HUC Code:</b> 04080203 <b>Site Type Name:</b> STATIONARY <b>Location Description:</b> <b>Supplemental Location:</b> <b>Create Date:</b> 16-FEB-07 <b>Update Date:</b> 03-MAY-15 <b>Interest Types:</b> FORMAL ENFORCEMENT ACTION <b>SIC Codes:</b> <b>SIC Code Descriptions:</b> <b>NAICS Codes:</b> <b>NAICS Code Descriptions:</b> <b>Conveyor:</b> FRS-GEocode <b>Federal Facility Code:</b> <b>Federal Agency Name:</b> <b>Tribal Land Code:</b> <b>Tribal Land Name:</b> <b>Congressional Dist No:</b> 04 <b>Census Block Code:</b> 261450120033003 <b>EPA Region Code:</b> 05 <b>County Name:</b> SAGINAW <b>US/Mexico Border Ind:</b> <b>Latitude:</b> 43.416923 <b>Longitude:</b> -84.130783 <b>Reference Point:</b> ENTRANCE POINT OF A FACILITY OR STATION <b>Coord Collection Method:</b> ADDRESS MATCHING-HOUSE NUMBER <b>Accuracy Value:</b> 50 <b>Datum:</b> NAD83 <b>Source:</b> <b>Facility Detail Rprt URL:</b> https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110028107803 <b>Data Source:</b> Facility Registry Service - Single File <b>Program Acronyms:</b>  ICIS:7377885						

<a href="#">1</a>	2 of 3	ESE	0.01 / 51.71	606.05 / -1	M46 & M52 180 N. GRAHAM RD SAGINAW MI 48609	ICIS
<b>EPA Region:</b> 05 <b>Registry ID:</b> 110028107803 <b>Pgm Sys ID:</b> 7377885 <b>Pgm Sys Acnm:</b> ICIS <b>Permit Type:</b>  <b>Federal Fac ID:</b> <b>Tribal Land Code:</b> <b>County:</b> SAGINAW <b>Latitude 83:</b> 43.416923 <b>Longitude 83:</b> -84.130783						

## Details

<b>Interest Type:</b>	FORMAL ENFORCEMENT ACTION	<b>Public Ind:</b>	Yes
<b>Active Status:</b>		<b>FIPS Code:</b>	
<b>Accuracy Value:</b>	50	<b>HUC 8 Code:</b>	04080203
<b>Pgm Report URL:</b>	no data yet	<b>HUC 12:</b>	040802030407

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Federal Agency Name:**  
**Federal Land Ind:**  
**Fed Facility Code:**  
**Ref Point Desc:** ENTRANCE POINT OF A FACILITY OR STATION  
**Collect Mth Desc:** ADDRESS MATCHING-HOUSE NUMBER  
**Fac URL:** https://ofmpub.epa.gov/frs\_public2/fii\_query\_detail.disp\_program\_facility?p\_registry\_id=110028107803  
**Program URL:**

<a href="#">1</a>	3 of 3	ESE	0.01 / 51.71	606.05 / -1	SAGINAW CONSERVATION DISTRICT 178 N GRAHAM RD SAGINAW MI 48609	WASTE
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**WDS ID:** 498356  
**Site ID:**  
**County:** SAGINAW  
**Legal Name:** SAGINAW CONSERVATION DISTRICT  
**Contact Name:**

<a href="#">2</a>	1 of 4	ESE	0.04 / 220.35	605.33 / -2	10950 Gratiot Road MI 48609	BEA
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<b>Facility ID (Web):</b> <b>Bea No (Web):</b> 201301321BC <b>Fac Name (Web):</b> <b>Address (Web):</b> 10950 Gratiot Road <b>City (Web):</b> <b>Zip (Web):</b> 48609 <b>County (Web):</b> Saginaw <b>Township (Web):</b> Thomas Township <b>District (Web):</b> Saginaw Bay <b>Latitude (Web):</b> <b>Longitude (Web):</b> <b>Data Source (Web):</b> BEA <b>Accuracy:</b> <b>Facility 2:</b> 7-Eleven #36932 <b>Source:</b> BEA <b>Submitted:</b> 7-Eleven, Inc. <b>Source:</b> DEQ Inventory of Facilities (Web); DEQ Baseline Environmental Assessment Sites (Map)	<b>Facility ID (Map):</b> 00033327 <b>Bea No (Map):</b> 201301321BC <b>Fac Name (Map):</b> <b>Address (Map):</b> 10950 Gratiot Rd <b>City (Map):</b> Saginaw <b>Zip (Map):</b> 48609 <b>County (Map):</b> Saginaw <b>Township (Map):</b> Thomas Township <b>District (Map):</b> Saginaw Bay <b>Latitude (Map):</b> 43.41628677 <b>Longitude (Map):</b> -84.12929863 <b>Data Source (Map):</b> BEA <b>Method of Collect:</b> Geocode <b>Object ID:</b> 4123 <b>ID:</b> 1735
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<a href="#">2</a>	2 of 4	ESE	0.04 / 220.35	605.33 / -2	7-Eleven #36932 10950 GRATIOT RD SAGINAW MI 48609-9483	UST
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**Facility ID:** 00033327

#### Underground Tank List - Active

<b>New Tank ID No:</b> UTK-097089-15 <b>Old Tank ID No:</b> 1 <b>Tank Status:</b> Currently In Use <b>Tank Install Date:</b> 01/03/1990 <b>Tank Removal Date:</b> <b>Tank Capacity:</b> 12000 <b>Tank Release Detection:</b> Automatic Tank Gauging, Inventory Control <b>Tank Construction:</b> Fiberglass Reinforced Plastic, Other <b>Piping Piping Rel Detection:</b> Automatic Line Leak Detectors, Line Tightness Testing, Other <b>Owner Name:</b> 7-Eleven Inc <b>Owner Address:</b> PO Box 711 <b>Owner City:</b> Dallas <b>Owner State:</b> TX <b>Owner Zip:</b> 75	<b>Tank Compartments:</b> <b>Tank Content:</b> Gasoline <b>Piping Piping Mat:</b> Fiberglass Reinforced Plastic <b>Piping Piping Type:</b> Pressure (Remote) <b>Impressed Current:</b>
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Owner Phone:		3078155432				
Facility Name:		7-Eleven #36932				
Fac Street No:		10950				
Fac Street Direc:						
Fac Street Name:		GRATIOT				
Fac Suffix Type:		RD				
Fac Suffix Direc:						
Facility City:		SAGINAW				
Facility State:		MI				
Facility Zip:		48609-9483				
Facility County:		SAGINAW				
Facility Region:		2				

#### Underground Tank List - Active

New Tank ID No:	UTK-097093-15	Tank Compartments:	
Old Tank ID No:	2	Tank Content:	Gasoline
Tank Status:	Currently In Use	Piping Piping Mat:	Fiberglass Reinforced Plastic
Tank Install Date:	01/03/1990	Piping Piping Type:	Pressure (Remote)
Tank Removal Date:		Impressed Current:	
Tank Capacity:	12000		
Tank Release Detection:	Automatic Tank Gauging,Inventory Control		
Tank Construction:	Fiberglass Reinforced Plastic,Other		
Piping Piping Rel Detection:	Automatic Line Leak Detectors,Line Tightness Testing,Other		
Owner Name:	7-Eleven Inc		
Owner Address:	PO Box 711		
Owner City:	Dallas		
Owner State:	TX		
Owner Zip:	75		
Owner Phone:	3078155432		
Facility Name:	7-Eleven #36932		
Fac Street No:	10950		
Fac Street Direc:			
Fac Street Name:	GRATIOT		
Fac Suffix Type:	RD		
Fac Suffix Direc:			
Facility City:	SAGINAW		
Facility State:	MI		
Facility Zip:	48609-9483		
Facility County:	SAGINAW		
Facility Region:	2		

#### Underground Storage Tanks Part 211 (Map)

Owner ID:	0	Latitude:	43.417277
Active Site:	Yes	Longitude:	-84.130576
Closed Site:	No	H Datum:	North
Open LUST:	Yes	Accuracy:	10
Closed LUST:	No		
Acc Unit:	METERS		
Fac Name:	7-Eleven #133		
Address:	10950 GRATIOT RD		
City:	SAGINAW		
County:	Saginaw		
District Name:	Bay City		
Zip code:	48609		
Desc Cater:			
Collection Method:	The geographic coordinate determination method bas		

<u>2</u>	3 of 4	ESE	0.04 / 220.35	605.33 / -2	7-Eleven #36932 10950 GRATIOT RD, SAGINAW, MI, 48609 MI	LUST
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Facility ID: 00033327  
Regulat Pgm (RIDE): 213

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Fac Name (RIDE):	7-Eleven #36932
Full Address(RIDE):	10950 GRATIOT RD, SAGINAW, MI, 48609
City (RIDE):	SAGINAW
County (RIDE):	Saginaw
Township (RIDE):	Saginaw
EGLE Dist (RIDE):	Bay City
Latitude (RIDE):	43.417277
Longitude (RIDE):	-84.130576
Comp Name (Map):	7-Eleven #133
Address (Map):	10950 GRATIOT RD
City (Map):	SAGINAW
County (Map):	Saginaw
District (Map):	Bay City
ZIP (Map):	48609
Latitude (Map):	43.417277
Longitude (Map):	-84.130576
Facility Name:	7-Eleven #36932
Street Address:	10950 GRATIOT RD
Street Address 2:	NULL
City:	SAGINAW
County:	Saginaw
EGLE District:	Bay City
Zip Code:	48609
Data Source:	EGLE Remediation Information Data Exchange Tanks (RIDE); LUST List; Leaking Underground Storage Tanks Part 213 Open (Map); EGLE Remediation Information Data Exchange Tanks (RIDE) As of Jun 2024
Note:	EGLE's Remediation and Redevelopment Division (RRD) is undertaking an effort to digitize records and make them available to the public through an online portal Remediation Information Data Exchange (RIDE).

Documents related to facilities regulated under Part 213, Leaking Underground Storage Tanks, can be found by searching RIDE: <https://www.egle.state.mi.us/RIDE/inventory-of-facilities/facilities>

Information about how to access the documents can be found at the url below; the guidance explains that not all paper files have been digitized, and files not found in RIDE can be requested via Freedom of Information Act (FOIA) request.

<https://www.michigan.gov/egle/maps-data/ride/accessing-electronic-documents-guidance>

### LUST Details (EGLE Environmental Mapper)

Owner ID:	0	H Datum:	North
Active Site:	Yes	Accuracy:	10
Close Site:	No	Acc Unit:	METERS
Close LUST:	0	Shp Type:	POINT
Open LUST:	Open	Desc Cater:	
Restrict:	NO	Updated on:	2024-06-19 22:10:03.467
Source:	State of MI	MGR X:	
Col Date:	2024-06-19 22:10:03.467	MGR Y:	
MOC:	The geographic coordinate determination method bas		
Geometry:	MULTIPOINT (-84.13057114997237 43.41726869252489)		

### Locations

EPA ID:		Senate District:	
Release Status:	Open	House District:	
Project Manager:	Nicholls, Alan	US Congr District:	
Risk Condition:	Risks Controlled-Interim		
LUST Name:	7-Eleven #133		

### Associated Tanks

Release ID:	REL-0066-13	Capacity Gallons:	12000
Tank ID:	UTK-097093-15	Date of Installatn:	01/03/1990
Tank Status:	Currently In Use	Substance Stored:	Gasoline
Release ID:	REL-0066-13	Capacity Gallons:	12000
Tank ID:	UTK-097089-15	Date of Installatn:	01/03/1990

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Tank Status:	Currently In Use	Substance Stored:	Gasoline
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**Facility Release**

Release ID:	REL-0066-13
Type of Release:	Confirmed
Current Classification:	Class 4
Corrective Action Status:	Inactive
Linked Release:	

**Facility Release Details**

Current Classification:	Class 4
Corrective Action Status:	Inactive
Previous Classification:	Class 3
Entry Date:	06/10/2013
Date Release Was Cancelled:	
Date Reported:	05/31/2013
Closed With State Funds:	No
Date Release Was Upgraded:	
Highest Classification:	Class 3
Type of Evaluation:	
Institutional Controls:	No
Upgrade Cancel Date:	
Project Manager When Closed:	
Release Closed:	
Closed Date:	

**LUST List**

Release ID:	REL-0066-13
Release Discovered Date:	NULL
Release Closed Date:	NULL
Date Reported:	2013-05-31 09:54:00.000
Release Status:	Open
LUST Name:	7-Eleven #133

**Facility Details (As of Jun 2024)**

EPA ID:		Facility Name:	7-Eleven #36932
LUST Name:	7-Eleven #133	Full Address:	10950 GRATIOT RD, SAGINAW, MI, 48609
Regulatory Program:	213	City:	SAGINAW
Contaminant Class:			

<a href="#">2</a>	4 of4	ESE	0.04 / 220.35	605.33 / -2	7-11 10950 GRATIOT RD SAGINAW MI 48603	WASTE
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WDS ID:	436715
Site ID:	MIG000054105
County:	SAGINAW
Legal Name:	7-ELEVEN INC
Contact Name:	

<a href="#">3</a>	1 of1	ESE	0.05 / 257.79	605.35 / -2	GRATIOT & M-52 SHIELDS MI	SPILLS
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Incident No:	GF Comp Date:
Incident No Related:	Weather or Wind:
Complainant Type:	Wind Direction:
Observed Date:	Rain Condition:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<div> <div> Observed Time:  Occurred Date: 07/21/2007  Occurred Time:  Date Discovered:  Time Dis Orig Entr:  Pollutant Released:  Amt Released Air:  Amt Rel Ground:  Amt Rel Water:  Volume Recovered:  Cleanup Comp Date:  Rel Incident Contr:  Rel Inci Contr De:  Incident Ongoing:  Source: Ambs  Agencies Notified:  Date Rec DEQ Staff:  Time Rec DEQ Staff:  Div or On-Call:  Time DEQ Paged:  AMBS Time DEQ Call:  No Staff Contacts:  Post Review Init:  Referral Notes:  Cleanup Contractor:  PWS:  Material Released: GASOLINE/APPROXIMATELY 10 GALLONS  Cleanup Efforts:  Incident Cross Str:  Party Involved Type:  Party Inv. Contact:  Party Inv Company:  Party Inv. Phone 1:  Party Inv. Phone 2:  Party Inv Address:  Party Inv City:  Party Inv. State:  Party Inv. Zip:  Complaint Employer:  Complainant City:  Complainant State:  Zip Complainant:  Complainant Name:  Complainant Phone 1:  Complainant Phone 2:  Complainant Street Address:  Emergency Crews:  Description - 1:  Description - 2:  Description - 3:  Description - 4:  Description - 5:  Description - 6:  Brief Description:  Peas Admin Section:  Sensitive Information:  DEQ Primary: RHONDA KLANN  Lead Division 1: RRD  Lead Division 2:  Source File:  Description 1 (2): </div> <div> Old Wind Direction:  Name of Water Body: NONE  Last Updated Date:  Operator In:  District: Saginaw Bay  Office/After Hours:  Ambs Intake Agent:  Observed Time Keep:  Tm Stamp Hr Orig:  Int Time Format:  Time Corr Format:  Report Date: 7/23/2007  Time Stamp:  PEAS Dispatcher:  Special Referral:  Date and Time Stamp:  Optrinit:  Optrno:  Smu3init:  Pecctime:  Peccddate:  District Backup:  Incident Township:  Incident County: Saginaw  Latitude:  Longitude: </div> </div>						
<a href="#">4</a>	1 of 1	ENE	0.12 / 612.26	607.01 / 0	Proposed Solar Park 795 North Graham Road Saginaw MI 48609	FED BROWNFIELDS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Property ID:	154321			County:	SAGINAW	
Lat Measure:	43.4236185			Latitude (Map):	43.4236185	
Long Measure:	-84.13078289999998			Longitude (Map):	-84.1307829	
Property Name:	Proposed Solar Park					
Address:	795 North Graham Road					
City:	Saginaw					
State Code:	MI					
Zip Code:	48609					
Primary Name (Map):	PROPOSED SOLAR PARK					
Location Address (Map):	795 NORTH GRAHAM ROAD					
City Name (Map):	SAGINAW					
County Name (Map):	SAGINAW					
State Code (Map):	MI					
Postal Code (Map):	48609					
Data Source:	Cleanups in My Community (CIMC) Cleanups and Grants Listing Export - Brownfield Properties; Cleanups in My Community (CIMC) Web Application - Brownfield Properties (Map)					

#### Property Details (Cleanups in My Community)

ID No:		Size Acres:	2.
NFA Letter Date:		Parcel No:	28-12-3-29-1001-001
Media Affected:		Property Enrolled:	
Media Cleaned Up:		Radius:	.5
Contaminants REC:		Census Tract:	26145012003
Contams Actionable:		2010 # Below Poverty:	3.
Contams < Actionble:		2010 Below Poverty:	2.91
Contamnts Cleanup:		2010 Median Income:	802.
Tanks Removal:		2010 No Low Income:	26.
Cleanup Needed:	N	2010 Low Income:	25.24
Cleanup Treatment:		2010 No Vacant Hous:	1.
Excavation Disposl:		2010 Vacant Housing:	2.46
Contams Extractn:		2010 # Unemployed:	4.
Reduc Contams:		2010 Unemployed:	3.88
Additional Clnup:		Tech Capping:	
Institutional Cleanup:	N	Secur Guard Fence:	
Institutional Cleanup:		Immobilization:	
Engineering Needed:	N	Eng Barriers:	
Eng Control:	N	Proprietary Cntrl:	
Additnl Inst Control:		Info Device:	
Additnl Eng Control:		Govt Cntrl:	
Inst Control Date:		Enf Permit Tool:	
Eng Control Date:		Clnup Struct Remov:	
Property Alias:			
Property Owner:	Government		
Address Source URL:			
Address Source URL:			
Address Source URL:			
Other:			

#### Activity Details(Cleanups in My Community)

Coop Agmt No:	00E96701	Redev Actvy Funded:	
Program Name:	BF	Redev Start Dt:	06/01/2012
Activity Funded:		Redev Compl date:	
Type CA Fund:	Hazardous	Redev Fund Entity:	
Funding Entity:		Redev Residential:	
Assessmnt Start Dt:		Redev Greenspace:	
Assessmnt Compl Dt:		Redev Industrial:	2.
Clnup Actvy Start Dt:		Redev Commercial:	
Clnup Actvy Comp Dt:		# of Redev Jobs:	24.
Acres Cleaned Up:		RLF Signed Dt:	
Clnup Funding Src:		RLF Intest Rate:	
Clnup Entity Provid:		RLF EPA Fund:	
Signed Rpt Dt:		RLF Cost Share:	
Direct Clnup Tot Fnd:		RLF Prog Income:	
Direct Clnup Fnd Src:		RLF Lvg Fund Src:	
Fund Amt Expnded:		RLF Lvg Fund Entity:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Source of Funding:					RLF Lvg Fund Amt:	
Past Use Residential:					RLF Subgrant Signed:	
Past Use Greenspace:					Subgrant EPA Fund:	
Past Use Industrial:					Subgrant Cost Shr:	
Past Use Commercial:	2.					
Coop Agmt Recipnt:		Saginaw County Brownfield Redevelopment Authority				
Clnup Compet Doc2:						
Climate Adapt Mitg1:						
Climate Adapt Mitg2:						

#### Activity Details(Cleanups in My Community)

Coop Agmt No:	00E96701				Redev Actvy Funded:	
Program Name:	BF				Redev Start Dt:	
Activity Funded:					Redev Compl date:	
Type CA Fund:	Hazardous				Redev Fund Entity:	
Funding Entity:	EPA				Redev Residential:	
Assessmnt Start Dt:	11/09/2011				Redev Greenspace:	
Assessmnt Compl Dt:	12/12/2011				Redev Industrial:	2.
Clnup Actvy Start Dt:					Redev Commercial:	
Clnup Actvy Comp Dt:					# of Redev Jobs:	
Acres Cleaned Up:					RLF Signed Dt:	
Clnup Funding Src:					RLF Intest Rate:	
Clnup Entity Provid:					RLF EPA Fund:	
Signed Rpt Dt:					RLF Cost Share:	
Direct Clnup Tot Fnd:					RLF Prog Income:	
Direct Clnup Fnd Src:					RLF Lvg Fund Src:	
Fund Amt Expnded:					RLF Lvg Fund Entity:	
Source of Funding:					RLF Lvg Fund Amt:	
Past Use Residential:					RLF Subgrant Signed:	
Past Use Greenspace:					Subgrant EPA Fund:	
Past Use Industrial:					Subgrant Cost Shr:	
Past Use Commercial:	2.					
Coop Agmt Recipnt:		Saginaw County Brownfield Redevelopment Authority				
Clnup Compet Doc2:						
Climate Adapt Mitg1:						
Climate Adapt Mitg2:						

#### Activity Details(Cleanups in My Community)

Coop Agmt No:	00E96701				Redev Actvy Funded:	
Program Name:	BF				Redev Start Dt:	06/01/2012
Activity Funded:					Redev Compl date:	
Type CA Fund:	Hazardous				Redev Fund Entity:	Great Lakes Solar Technology, Inc
Funding Entity:					Redev Residential:	
Assessmnt Start Dt:					Redev Greenspace:	
Assessmnt Compl Dt:					Redev Industrial:	2.
Clnup Actvy Start Dt:					Redev Commercial:	
Clnup Actvy Comp Dt:					# of Redev Jobs:	24.
Acres Cleaned Up:					RLF Signed Dt:	
Clnup Funding Src:					RLF Intest Rate:	
Clnup Entity Provid:					RLF EPA Fund:	
Signed Rpt Dt:					RLF Cost Share:	
Direct Clnup Tot Fnd:					RLF Prog Income:	
Direct Clnup Fnd Src:					RLF Lvg Fund Src:	
Fund Amt Expnded:	5800000.				RLF Lvg Fund Entity:	
Source of Funding:					RLF Lvg Fund Amt:	
Past Use Residential:					RLF Subgrant Signed:	
Past Use Greenspace:					Subgrant EPA Fund:	
Past Use Industrial:					Subgrant Cost Shr:	
Past Use Commercial:	2.					
Coop Agmt Recipnt:		Saginaw County Brownfield Redevelopment Authority				
Clnup Compet Doc2:						
Climate Adapt Mitg1:						
Climate Adapt Mitg2:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Activity Details(Cleanups in My Community)**

Coop Agmt No:	00E96701				Redev Actvy Funded:	
Program Name:	BF				Redev Start Dt:	
Activity Funded:					Redev Compl date:	
Type CA Fund:	Hazardous				Redev Fund Entity:	
Funding Entity:					Redev Residential:	
Assessmnt Start Dt:					Redev Greenspace:	
Assessmnt Compl Dt:					Redev Industrial:	2.
Clnup Actvy Start Dt:					Redev Commercial:	
Clnup Actvy Comp Dt:					# of Redev Jobs:	
Acres Cleaned Up:					RLF Signed Dt:	
Clnup Funding Src:					RLF Intest Rate:	
Clnup Entity Provid:					RLF EPA Fund:	
Signed Rpt Dt:					RLF Cost Share:	
Direct Clnup Tot Fnd:					RLF Prog Income:	
Direct Clnup Fnd Src:					RLF Lvg Fund Src:	
Fund Amt Expnded:					RLF Lvg Fund Entity:	
Source of Funding:					RLF Lvg Fund Amt:	
Past Use Resiential:					RLF Subgrant Signed:	
Past Use Greenspace:					Subgrant EPA Fund:	
Past Use Industrial:					Subgrant Cost Shr:	
Past Use Commercial:	2.					
Coop Agmt Recipnt:		Saginaw County Brownfield Redevelopment Authority				
Clnup Compet Doc2:						
Climate Adapt Mitg1:						
Climate Adapt Mitg2:						

**Activity Details(Cleanups in My Community)**

Coop Agmt No:	00E96701				Redev Actvy Funded:	
Program Name:	BF				Redev Start Dt:	
Activity Funded:					Redev Compl date:	
Type CA Fund:	Hazardous				Redev Fund Entity:	
Funding Entity:	EPA				Redev Residential:	
Assessmnt Start Dt:	10/04/2011				Redev Greenspace:	
Assessmnt Compl Dt:	10/21/2011				Redev Industrial:	2.
Clnup Actvy Start Dt:					Redev Commercial:	
Clnup Actvy Comp Dt:					# of Redev Jobs:	
Acres Cleaned Up:					RLF Signed Dt:	
Clnup Funding Src:					RLF Intest Rate:	
Clnup Entity Provid:					RLF EPA Fund:	
Signed Rpt Dt:					RLF Cost Share:	
Direct Clnup Tot Fnd:					RLF Prog Income:	
Direct Clnup Fnd Src:					RLF Lvg Fund Src:	
Fund Amt Expnded:					RLF Lvg Fund Entity:	
Source of Funding:					RLF Lvg Fund Amt:	
Past Use Resiential:					RLF Subgrant Signed:	
Past Use Greenspace:					Subgrant EPA Fund:	
Past Use Industrial:					Subgrant Cost Shr:	
Past Use Commercial:	2.					
Coop Agmt Recipnt:		Saginaw County Brownfield Redevelopment Authority				
Clnup Compet Doc2:						
Climate Adapt Mitg1:						
Climate Adapt Mitg2:						

**Brownfields Details**

Registry I:	110054626525				SF EI He C:	
EPA ID:					SF IC Ind:	
EPA Region:	05				SF NPL Cod:	
Cat No:	4080203				SF NPL C 1:	
RCRA Handl:					FF SF Ind:	
RCRA Curre:					Map Symbol:	B
RCRA Remed:					Data Refre:	04-Feb-2024
RCRA Const:					New Site:	



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
RCRA EI He:					BF RLF Gra:	
RCRA EI Gm:					BF RLF Pil:	
RCRA Rem 1:					BF Assess :	
RCRA Ec Gw:					BF Cleanup:	
RCRA Ec Ng:					BF Tba Ind:	
RCRA IC Ep:					BF 128a In:	
RCRA IC Gc:					BF IC Code:	N
RCRA IC ID:					BF IC Gc I:	U
RCRA IC Pr:					BF IC Ep I:	U
FF RCRA In:					BF IC ID I:	U
RCRA Ec Co:					BF IC Pr I:	U
RCRA IC Co:					BF Assess1:	Y
RCRA Gpra :					BF Multipu:	
RCRA Rem 2:					BF Awp Ind:	
RCRA Dru 1:					BF Showcas:	
SF Site ID:					BF 128a P :	
SF Ec Ind:					Congressio:	MI-08
SF EI Gm C:					Stimulus B:	
Ind Name:						
Cat Name:		Shiawassee				
Sub Name:		Shiawassee				
Primary Name:		PROPOSED SOLAR PARK				
RCRA Drupa:						
Repow Ref :						
Url:					https://cimc.epa.gov/ords/cimc/f?p=CIMC:REPOWER::::P33_REF:8233	
					https://obipublic11.epa.gov/analytics/saw.dll?PortalPages&Action=Navigate&col1=ACRES_GRANT_EXPORT.	
					PROPERTY_ID&val1=%22154321.0%22&PortalPath=/shared/CIMC/_portal/CIMC&Page=Profile+Page	
Census Url:					https://ejscreen.epa.gov/mapper/demogreportpdf.aspx?report=census2010sf1&coords=-84.1307829%2C43.	
					4236185&featype=point&radius=1.0	
ACS Url:					https://ejscreen.epa.gov/mapper/demogreportpdf.aspx?report=acs2017&coords=-84.1307829%2C43.	
					4236185&featype=point&radius=1.0	
SAA Site:						
Sf Brac Ty:						
Sf Archive:						
Sf Ffdocke:						
Sf Npl C 3:						
Sf Npl C 2:						
Sf Npl C 1:						
SF Site Na:						
SF Non N 1:						
SF Non N 2:						
SF Non N 3:						
SF Non Npl:						
BF Prope 1:		Proposed Solar Park				
RCRA Han 1:						
RCRA Rau I:						
REPOW BF:		SGW				
REPOW Re 1:		<a target="_blank" href="https://cimc.epa.gov/ords/cimc/f?p=CIMC:REPOWER::::P33_REF:8233">RE-Powering				
		Site Profile</a>				
REPOW Ref1:		8233				

<b>5</b>	<b>1 of 1</b>	<b>SSE</b>	<b>0.79 / 4,177.18</b>	<b>601.38 / -6</b>	<b>SHIELDS MANUFACTURING 1320 S GRAHAM RD SAGINAW MI 48603</b>	<b>DELISTED CONTAM</b>
Site ID:	73000033			Lead Division:	Environmental Response Division	
Sid Facility ID:				District:	Saginaw Bay	
Status Date:	9/9/1994			County:	SAGINAW	
Os Description:	Delisted - no longer meets criteria specified in rules					



# Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
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No unplottable records were found that may be relevant for the search criteria.

## Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

## Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:*

*"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."*

### Standard Environmental Record Sources

#### Federal

##### National Priority List:

NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Apr 22, 2024**

##### National Priority List - Proposed:

PROPOSED NPL

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Apr 22, 2024**

##### Deleted NPL:

DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Apr 22, 2024**

##### SEMS List 8R Active Site Inventory:

SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool.

**Government Publication Date: May 22, 2024**

**Inventory of Open Dumps, June 1985:**

ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

**Government Publication Date: Jun 1985**

**SEMS List 8R Archive Sites:**

SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

**Government Publication Date: May 22, 2024**

**Comprehensive Environmental Response, Compensation and Liability Information System -**

CERCLIS

**CERCLIS:**

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

**Government Publication Date: Oct 25, 2013**

**EPA Report on the Status of Open Dumps on Indian Lands:**

IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

**Government Publication Date: Dec 31, 1998**

**CERCLIS - No Further Remedial Action Planned:**

CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

**Government Publication Date: Oct 25, 2013**

**CERCLIS Liens:**

CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

**Government Publication Date: Jan 30, 2014**

**RCRA CORRACTS-Corrective Action:**

RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

**Government Publication Date: Apr 8, 2024**

**RCRA non-CORRACTS TSD Facilities:**

RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

**Government Publication Date: Apr 8, 2024**

**RCRA Generator List:**[RCRA LQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

**Government Publication Date: Apr 8, 2024**

**RCRA Small Quantity Generators List:**[RCRA SQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

**Government Publication Date: Apr 8, 2024**

**RCRA Very Small Quantity Generators List:**[RCRA VSQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

**Government Publication Date: Apr 8, 2024**

**RCRA Non-Generators:**[RCRA NON GEN](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

**Government Publication Date: Apr 8, 2024**

**RCRA Sites with Controls:**[RCRA CONTROLS](#)

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

**Government Publication Date: Apr 8, 2024**

**Federal Engineering Controls-ECs:**[FED ENG](#)

List of Engineering controls (ECs) made available by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date: Jun 26, 2024**

**Federal Institutional Controls- ICs:**[FED INST](#)

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date: Jun 26, 2024**

**Land Use Control Information System:**

LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

**Government Publication Date:** Sep 1, 2006

**Institutional Control Boundaries at NPL sites:**

NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

**Government Publication Date:** Apr 22, 2024

**Emergency Response Notification System:**

ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date:** 1982-1986

**Emergency Response Notification System:**

ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date:** 1987-1989

**Emergency Response Notification System:**

ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

**Government Publication Date:** Apr 28, 2024

**The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:**

FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

**Government Publication Date:** Feb 7, 2024

**FEMA Underground Storage Tank Listing:**

FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

**Government Publication Date:** Dec 31, 2017

**Facility Response Plan:**

FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

**Government Publication Date:** Jan 9, 2024

**Delisted Facility Response Plans:**

DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

**Government Publication Date:** Jan 9, 2024

**Historical Gas Stations:**[HIST GAS STATIONS](#)

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

**Government Publication Date:** Jul 1, 1930

**Petroleum Refineries:**[REFN](#)

This list of petroleum refineries is sourced from the U.S. Energy Information Administration (EIA), Refinery Capacity Report. The listing includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year. The geographic area the report covers is the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and other U.S. possessions. Per the EIA, the facility location data represents the approximate location based on research of publicly available information from sources such as Federal agencies, company websites, and satellite images on public websites.

**Government Publication Date:** Jun 6, 2024

**Petroleum Product and Crude Oil Rail Terminals:**[BULK TERMINAL](#)

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from the Federal Communications Commission Data hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

**Government Publication Date:** Jun 6, 2024

**LIEN on Property:**[SEMS LIEN](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

**Government Publication Date:** May 22, 2024

**Superfund Decision Documents:**[SUPERFUND ROD](#)

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

**Government Publication Date:** Mar 27, 2024

**Formerly Utilized Sites Remedial Action Program:**[DOE FUSRAP](#)

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

**Government Publication Date:** Mar 4, 2017

**State****Part 201 Site List:**[SHWS](#)

A Part 201 Facility is an area, place, or property where a hazardous substance in excess of the concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located. This list is maintained by the Remediation and Redevelopment Division in Michigan Department of Environment, Great Lakes, and Energy (EGLE). This database is state equivalent CERCLIS.

**Government Publication Date:** Aug 13, 2024

**Delisted Contaminated Sites:**[DELISTED CONTAM](#)

The Michigan Department of Environment, Great Lakes, and Energy (EGLE) previously provided this list of delisted contaminated sites from Part 201, Part 213, and Baseline Environmental Assessment (BEA). Due to changes in agency tracking practices, as of November 2018 this list is no longer made available by EGLE.

**Government Publication Date:** Jul 24, 2018



**Delisted Hazardous and BEA Sites:**

DELISTED SHWS

This list is comprised of sites that were once included in the inventory of facilities (Part 201, BEA) list but have been removed. After the Michigan Department of Environment, Great Lakes, and Energy (EGLE) has determined that a BEA Part 201 site has been remediated, the site is removed from the inventory of facilities.

**Government Publication Date: Aug 13, 2024**

**State Sites Cleanup List of Sites:**

SITE CLEANUP

Public Act 380 of 1996 amended Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, PA 451 of 1994, by adding Section 20108c and creating the State Sites Cleanup Fund (SSCUF) and the State Sites Cleanup Program (SSCUP). Its intent was to fund environmental cleanups at contaminated sites where the state is a liable party as an owner or operator of the site, as defined in Section 20126 of Part 201. This list is maintained by the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

**Government Publication Date: Oct 31, 2023**

**Solid Waste Facilities and Landfills:**

SWF/LF

An inventory of solid waste and landfill facilities maintained by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This list contains all disposal area types and status types.

**Government Publication Date: May 3, 2024**

**Waste Data System:**

WASTE

The Waste Data System (WDS) tracks activities at sites regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs. This list of sites is provided by the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

**Government Publication Date: Aug 13, 2024**

**Recycling Facilities:**

RECYCLING

List of recycling facilities made available by the Michigan Recycling Coalition (MRC). The Coalition represents recycling and composting interests statewide and is a recognized authority on waste reduction, beneficial utilization, recycling, and composting.

**Government Publication Date: Feb 14, 2024**

**Leaking Underground Storage Tank:**

LUST

At the time of a release, the owner/operator is responsible for the corrective actions mandated by Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, 1994 of PA 451, as amended (NREPA). Owners/operators are required to hire consultants that meet the qualifications in Section 21325 of Part 213 to perform corrective actions, and to submit specific reports required by the statute. The Remediation Division of the Michigan Department of Environment, Great Lakes, and Energy (EGLE) is charged with selectively auditing the final assessment reports and closure reports.

**Government Publication Date: Jun 20, 2024**

**Delisted Leaking Underground Storage Tank:**

DELISTED LUST

This list is comprised of sites that were once included in the Leaking Underground Storage Tank list but have been removed. After the Michigan Department of Environment, Great Lakes, and Energy (EGLE) has determined that a Leaking Underground Storage Tank (LUST) site has been excluded from the DEQ STID Database, the site is removed from the inventory of facilities.

**Government Publication Date: Jun 20, 2024**

**Underground Storage Tank:**

UST

This Underground Storage Tank (UST) data is provided by the Michigan Department of Licensing and Regulatory Affairs (LARA) and the Michigan Department of Environment, Great Lakes, and Energy (EGLE). Active UST facilities are those where there is at least one tank at the facility that is not closed in place or removed, and is regulated under Part 211, Underground Storage Tank Regulations, of Act 451 of 1994, as amended, and the Michigan Underground Storage Tank Rules (MUSTR). There may be closed tanks and/or active non-regulated tanks (such as heating oil tanks) at Active facilities. Closed UST facilities are those at which all tanks at the facility that are regulated under Part 211 are closed; there may be non-regulated active tanks at closed facilities, such as heating oil tanks or tanks with a capacity smaller than the regulatory threshold. The data includes UST sites from LARA's Master List as well as applicable EGLE's Environmental Mapper files.

**Government Publication Date: Jul 24, 2024**

**Aboveground Storage Tanks:**

AST

The Aboveground Storage Tank (AST) Program in the Department of Licensing and Regulatory Affairs (LARA) regulates the following: storage and handling of flammable and combustible liquids with flash point less than 200 degrees Fahrenheit, storage and handling of liquefied petroleum gases compressed natural gas vehicular systems. The regulatory authority is from the Fire Prevention Code, 1941 PA 207, as amended, and the rules promulgated under the act.

**Government Publication Date: Aug 1, 2024**

**Tank Facilities Not Currently Registered:**

UNREG TANK

A list of tanks known to the Department of Licensing and Regulatory Affairs in Michigan which do not require registration.

**Government Publication Date:** May 29, 2019

**Storage Tank Facility:**

TANK FACILITY

A list of aboveground and underground storage tank facilities where tank details are not available. This list is made available by the Michigan Department of Licensing and Regulatory Affairs (LARA).

**Government Publication Date:** Jul 8, 2024

**Delisted Storage Tank:**

DELISTED TANK

This list is comprised of sites that were once included in the Storage Tank list but have been removed. After the Michigan Department of Environment, Great Lakes, and Energy (EGLE) has determined that an Storage Tank site has been excluded from the DEQ STID Database, the site is removed from the inventory of facilities.

**Government Publication Date:** Jul 24, 2024

**Engineering and Institutional Controls:**

AUL

This list of sites with Engineering and/or Institutional Controls in place is provided by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). The site list was compiled from EGLE's applicable FOIA file/s and EGLE Mapper's Land Use Restriction layer data. Michigan's environmental remediation program authorizes EGLE to set cleanup standards by considering how the contaminated land will be used in the future. Michigan's cleanup standards are risk-based and reflect the potential for human health or ecological risks from exposure to hazardous or regulated substances at contaminated sites. A person may use land use or resource use restrictions, as outlined in Part 201 and Part 213, to manage risk by reducing or restricting exposure to environmental contamination left in-place at a property.

**Government Publication Date:** May 17, 2024

**Brownfield Redevelopment Financing Act Sites:**

BROWNFIELDS

List of sites included in the Michigan Department of Environment, Great Lakes, and Energy (EGLE)'s reporting on Brownfield Redevelopment Financing Act activities. Additionally includes Brownfields sites found in EGLE's Environmental Mapper. In Michigan, the Brownfield Redevelopment Financing Act (Act 381) of 1996 authorizes municipalities to create brownfield redevelopment authorities to facilitate the implementation of brownfield plans and to create brownfield redevelopment zones in order to promote the revitalization, redevelopment, and reuse of certain properties.

**Government Publication Date:** Dec 31, 2021

**Brownfield Redevelopment Sites:**

BFLD REDEV

The Brownfield Redevelopment Financing Act Report is a summary of the information contained in brownfield plans and work plans submitted to the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This site listing is specific to Act 381 Work Plans approved by EGLE's Remediation and Redevelopment Division for calendar years. EGLE and the Michigan Strategic Fund are required to report on a quarterly basis information for each project approved during the preceding quarter (MCL 125.2666 Section 16(5)(a)). This requirement was included in the December 2012 Amendments to the Brownfield Redevelopment Financing Act, 1996 PA 381.

**Government Publication Date:** Jul 18, 2024

**Brownfields-USTfields Site Directory:**

BFLD UST

The Brownfields-USTfields Site Directory made available by the Michigan Department of Environment, Great Lakes, and Energy's (EGLE) contains information about state-nominated and state-funded cleanup sites as well as sites that have been redeveloped using the Baseline Environmental Assessment (BEA) process. It is not a full list of contaminated properties in Michigan, and is intended to be utilized as supplemental information for the Part 201 Site Search, Part 211 Underground Storage Tank Site, and Part 213 Leaking Underground Storage Tank Site databases. This list was provided by the Michigan Department of Environmental Quality and was last revised by the DEQ in 2014.

**Government Publication Date:** 2014

**Residential Closures Inventory:**

NFA RES

This Inventory of Residential Closures is made available by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). The Inventory of Residential Closures represents a subset of residential closures approved by the EGLE. These residential closures were submitted to the EGLE in a No Further Action Report, satisfy the limited residential cleanup criteria under section 20120a(1)(c) of Part 201 or the site-specific residential cleanup criteria under sections 20120a(2) and 20120b of Part 201, include land use or resource use restrictions, and were specifically requested by the submitter of the No Further Action Report.

**Government Publication Date:** Sep 19, 2024

**Tribal**

**Leaking Underground Storage Tanks on Tribal/Indian Lands:**[INDIAN LUST](#)

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 5, which includes Michigan, is made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date:** Apr 11, 2024

**Underground Storage Tanks on Tribal/Indian Lands:**[INDIAN UST](#)

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 5, which includes Michigan, is made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date:** Apr 11, 2024

**Delisted Tribal Leaking Storage Tanks:**[DELISTED INDIAN LST](#)

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date:** May 7, 2024

**Delisted Tribal Underground Storage Tanks:**[DELISTED INDIAN UST](#)

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date:** May 7, 2024

**County****City of Grand Rapids Brownfield Sites:**[BFLD GRAND RAPIDS](#)

List of brownfield sites made available by the Grand Rapids Brownfield Redevelopment Authority (BRA). The BRA was established in 1996 to assist with the redevelopment of blighted or contaminated properties in the City of Grand Rapids. A property is eligible for assistance from the BRA if it is contaminated, blighted, functionally obsolete, or an historic resource.

**Government Publication Date:** Jul 19, 2024

**Additional Environmental Record Sources****Federal****PFAS Greenhouse Gas Emissions Data:**[PFAS GHG](#)

The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO<sub>2</sub>e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures by DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time.

**Government Publication Date:** Aug 5, 2024

**On-Scene Coordinator Response Sites:**[OSC RESPONSE](#)

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation.

**Government Publication Date:** Apr 4, 2024

**Facility Registry Service/Facility Index:**[FINDS/FRS](#)

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

**Government Publication Date: Apr 26, 2024**

#### **Toxics Release Inventory (TRI) Program:**

TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

**Government Publication Date: Sep 20, 2023**

#### **PFOA/PFOS Contaminated Sites:**

PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

**Government Publication Date: Jun 20, 2024**

#### **Federal Agency Locations with Known or Suspected PFAS Detections:**

PFAS FED SITES

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. The dates this data was extracted for the PFAS Analytic Tools range from 2022 to 2024. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

**Government Publication Date: Apr 1, 2024**

#### **SSEHRI PFAS Contamination Sites:**

PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the PFAS Project Lab, part of the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map by the PFAS-REACH team, credited to PFAS Project Lab, Silent Spring Institute, and PFAS Exchange. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: <https://pfasproject.com/pfas-sites-and-community-resources/>

**Government Publication Date: Jun 27, 2024**

#### **National Response Center PFAS Spills:**

ERNS PFAS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam," "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

**Government Publication Date: Aug 5, 2024**

**PFAS NPDES Discharge Monitoring:**[PFAS NPDES](#)

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

**Government Publication Date: Jul 29, 2024**

**Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory:**[PFAS TRI](#)

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

**Government Publication Date: Sep 20, 2023**

**PFAS Water Quality Portal Sampling Data:**[PFAS WATER](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Environmental Media Sampling Data is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The Water Quality Portal (WQP), as a cooperative service sponsored by the United States Geological Survey, the EPA, and the National Water Quality Monitoring Council, is part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations, and individuals submit project details and sampling results to this public repository. Limitations: EPA did not carry out the sampling or testing of a majority of the data in the WQP PFAS dataset. EPA can only speak to the accuracy and completeness of the data from projects like the National Aquatic Resource Surveys for which EPA is the data owner/organization. Data may exist within the file on Quality Assurance Project Plans (QAPPs) and the approving agency of the QAPP, if a QAPP is entered.

**Government Publication Date: Jul 22, 2024**

**PFAS TSCA Manufacture and Import Facilities:**[PFAS TSCA](#)

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

**Government Publication Date: Jan 5, 2023**

**PFAS Waste Transfers from RCRA e-Manifest :**[PFAS E-MANIFEST](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

**Government Publication Date: Jul 23, 2024**

**PFAS Industry Sectors:**[PFAS IND](#)



This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

**Government Publication Date: Jul 1, 2024**

**Hazardous Materials Information Reporting System:**

[HMIRS](#)

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

**Government Publication Date: May 29, 2024**

**National Clandestine Drug Labs:**

[NCDL](#)

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

**Government Publication Date: Nov 30, 2023**

**Toxic Substances Control Act:**

[TSCA](#)

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

**Government Publication Date: May 12, 2022**

**Hist TSCA:**

[HIST TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

**Government Publication Date: Dec 31, 2006**

**FTTS Administrative Case Listing:**

[FTTS ADMIN](#)

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

**Government Publication Date: Jan 19, 2007**

**FTTS Inspection Case Listing:**

[FTTS INSP](#)

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

**Government Publication Date: Jan 19, 2007**

**Potentially Responsible Parties List:**

[PRP](#)

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

**Government Publication Date: Jul 24, 2024**

**State Coalition for Remediation of Drycleaners Listing:****SCRD DRYCLEANER**

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

**Government Publication Date: Nov 08, 2017**

**Integrated Compliance Information System (ICIS):****ICIS**

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

**Government Publication Date: Apr 13, 2024**

**Drycleaner Facilities:****FED DRYCLEANERS**

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

**Government Publication Date: May 5, 2024**

**Delisted Drycleaner Facilities:****DELISTED FED DRY**

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

**Government Publication Date: May 5, 2024**

**Formerly Used Defense Sites:****FUDS**

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

**Government Publication Date: May 15, 2023**

**FUDS Munitions Response Sites:****FUDS MRS**

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

**Government Publication Date: May 15, 2023**

**Former Military Nike Missile Sites:****FORMER NIKE**

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

**Government Publication Date: Dec 2, 1984**

**PHMSA Pipeline Safety Flagged Incidents:****PIPELINE INCIDENT**



This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

**Government Publication Date: May 6, 2024**

#### **Material Licensing Tracking System (MLTS):**

**MLTS**

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

**Government Publication Date: May 11, 2021**

#### **Historic Material Licensing Tracking System (MLTS) sites:**

**HIST MLTS**

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

**Government Publication Date: Jan 31, 2010**

#### **Mines Master Index File:**

**MINES**

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

**Government Publication Date: Feb 5, 2024**

#### **Surface Mining Control and Reclamation Act Sites:**

**SMCRA**

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

**Government Publication Date: May 20, 2024**

#### **Mineral Resource Data System:**

**MRDS**

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

**Government Publication Date: Mar 15, 2016**

#### **DOE Legacy Management Sites:**

**LM SITES**

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Title II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

**Government Publication Date: Dec 12, 2023**

#### **Alternative Fueling Stations:**

**ALT FUELS**

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

**Government Publication Date: Aug 29, 2024**

#### **Superfunds Consent Decrees:**

**CONSENT DECREES**

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

**Government Publication Date: Jun 26, 2024**

#### **Air Facility System:**

**AFS**

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

**Government Publication Date: Oct 17, 2014**

#### **Registered Pesticide Establishments:**

**SSTS**

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

**Government Publication Date: Feb 29, 2024**

#### **Polychlorinated Biphenyl (PCB) Transformers:**

**PCBT**

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

**Government Publication Date: Oct 15, 2019**

#### **Polychlorinated Biphenyl (PCB) Notifiers:**

**PCB**

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

**Government Publication Date: May 23, 2024**

### **State**

#### **Pollution Emergency Alerting (PEAS):**

**SPILLS**

The PEAS listing maintained by the Michigan Department of Environment, Great Lakes, and Energy (EGLE) points out the environmental damages/pollution, such as tanker accidents, pipeline breaks, and releases of reportable quantities of hazardous substances. Inconsistencies which existed in the data as it came from the source have not been interpreted or fixed, the data is provided as it was received from the DEQ.

**Government Publication Date: Jun 3, 2024**

#### **Baseline Environmental Assessment:**

**BEA**

A Michigan Baseline Environmental Assessment (BEA) from the Michigan Department of Environment, Great Lakes, and Energy (EGLE) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

**Government Publication Date: Dec 17, 2020**

**Michigan PFAS Sites:**[PFAS CONTAM](#)

A list of Per- and Polyfluoroalkyl substances (PFAS) sites made available by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). A PFAS site is a property where EGLE has a valid groundwater monitoring well sample result that exceeds one or more of Michigan's seven PFAS groundwater cleanup criteria: PFOA (8 ppt), PFOS (16 ppt), PFNA (6 ppt), PFHxS (51 ppt), PFHxA (400,000 ppt), PFBS (420 ppt), and HFPO-DA (370 ppt), and based on data, EGLE has determined the property is the location of the source of PFAS contamination (e.g., fire training area where PFAS-containing foam was used).

**Government Publication Date: Feb 15, 2024**

**Dry Cleaning Facilities:**[DRYCLEANERS](#)

A listing of dry cleaning facilities registered with the Air Quality Division in the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

**Government Publication Date: Apr 25, 2024**

**Delisted Drycleaners List:**[DELISTED DRYCLEANERS](#)

List of sites removed from the drycleaning facilities database made available by the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

**Government Publication Date: Apr 25, 2024**

**Perfected Liens List:**[LIEN](#)

A list of perfected liens on properties pursuant to Section 20138 of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), MCL 324.20101 et seq. This list is made available by the Michigan Department of Environment, Great Lakes, and Energy (EGLE), Remediation and Redevelopment Division (RRD).

**Government Publication Date: May 10, 2024**

**Tribal**

**No Tribal additional environmental record sources available for this State.**

**County****Kalamazoo County Clandestine Drug Laboratory Locations:**[CDL KALAMAZOO](#)

The Kalamazoo County Health & Community Services, Environmental Health Division maintains this list of Clandestine Drug Laboratory locations since 2004.

**Government Publication Date: Feb 28, 2024**

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

## **Appendix D**

### **Aerial Photograph Documentation**



# HISTORICAL AERIALS

**Project Property:** 705 North Graham Road  
705 North Graham Road  
Saginaw MI 48609

**Project No:** 6411s2-1-17

**Requested By:** AKT Peerless

**Order No:** 24100300191

**Date Completed:** October 08,2024

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## **Environmental Risk Information Services**

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Date	Source	Scale	Comments
2020	United States Department of Agriculture	1" = 500'	
2018	United States Department of Agriculture	1" = 500'	
2016	Maxar Technologies	1" = 500'	
2014	United States Department of Agriculture	1" = 500'	
2012	United States Department of Agriculture	1" = 500'	
2010	United States Department of Agriculture	1" = 500'	
2009	United States Department of Agriculture	1" = 500'	
2006	United States Department of Agriculture	1" = 500'	
2005	United States Department of Agriculture	1" = 500'	
1998	United States Geological Survey	1" = 500'	
1992	United States Geological Survey	1" = 500'	Best Copy Available
1983	United States Geological Survey	1" = 500'	
1974	United States Geological Survey	1" = 500'	
1963	Agricultural Stabilization & Conserv. Service	1" = 500'	
1954	United States Geological Survey	1" = 500'	
1950	Agricultural Stabilization & Conserv. Service	1" = 500'	
1941	Agricultural Stabilization & Conserv. Service	1" = 500'	
1937	Agricultural Stabilization & Conserv. Service	1" = 500'	

## Environmental Risk Information Services

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)





Year: 2020  
Source: USDA  
Scale: 1" = 500'  
Comment:

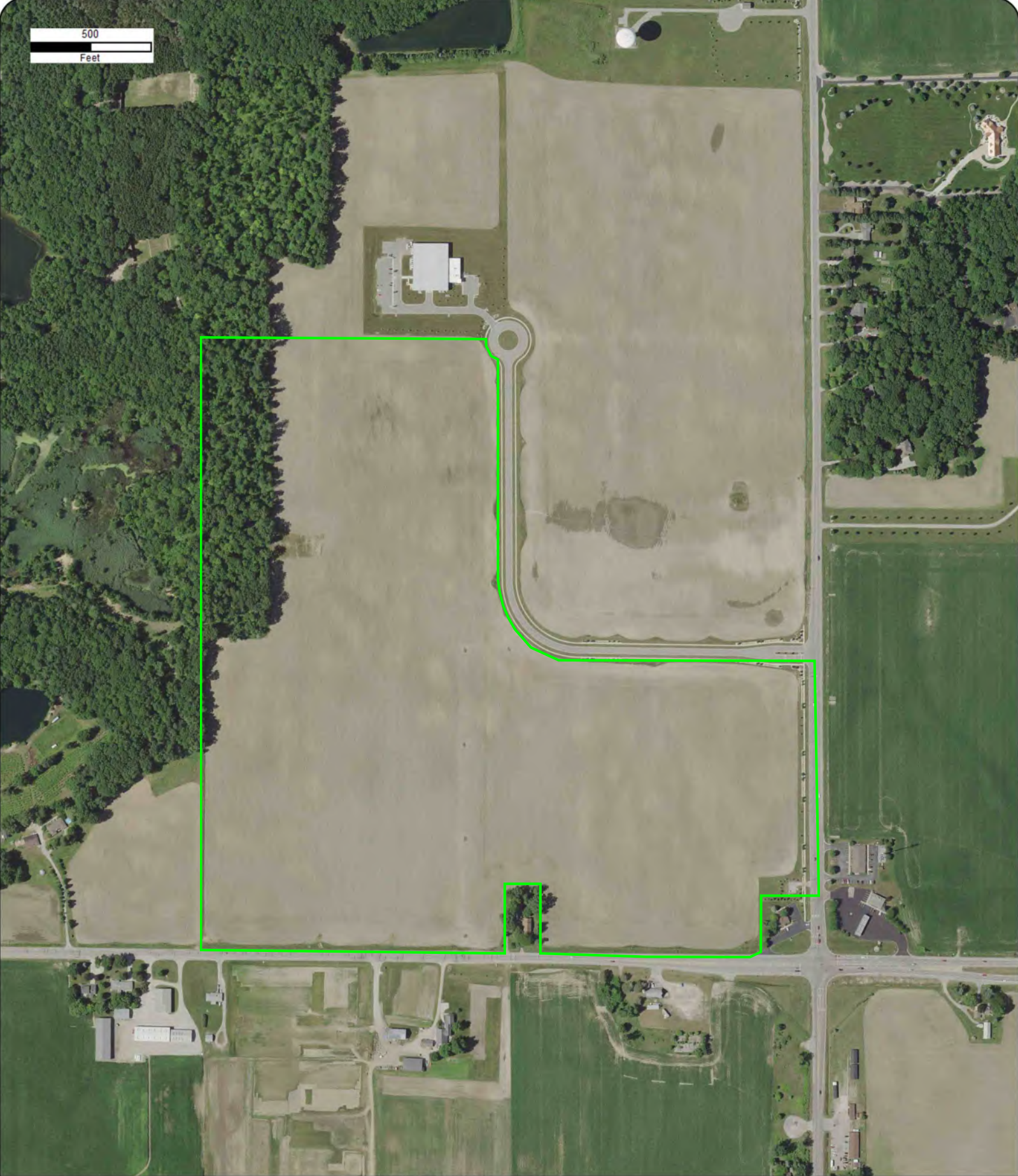
Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191





500  
Feet



Year: 2018  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191





500  
Feet



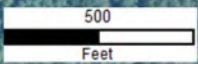
Year: 2016  
Source: MAXAR  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191







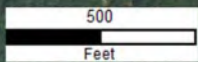
Year: 2014  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191







Year: 2012  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191





500  
Feet



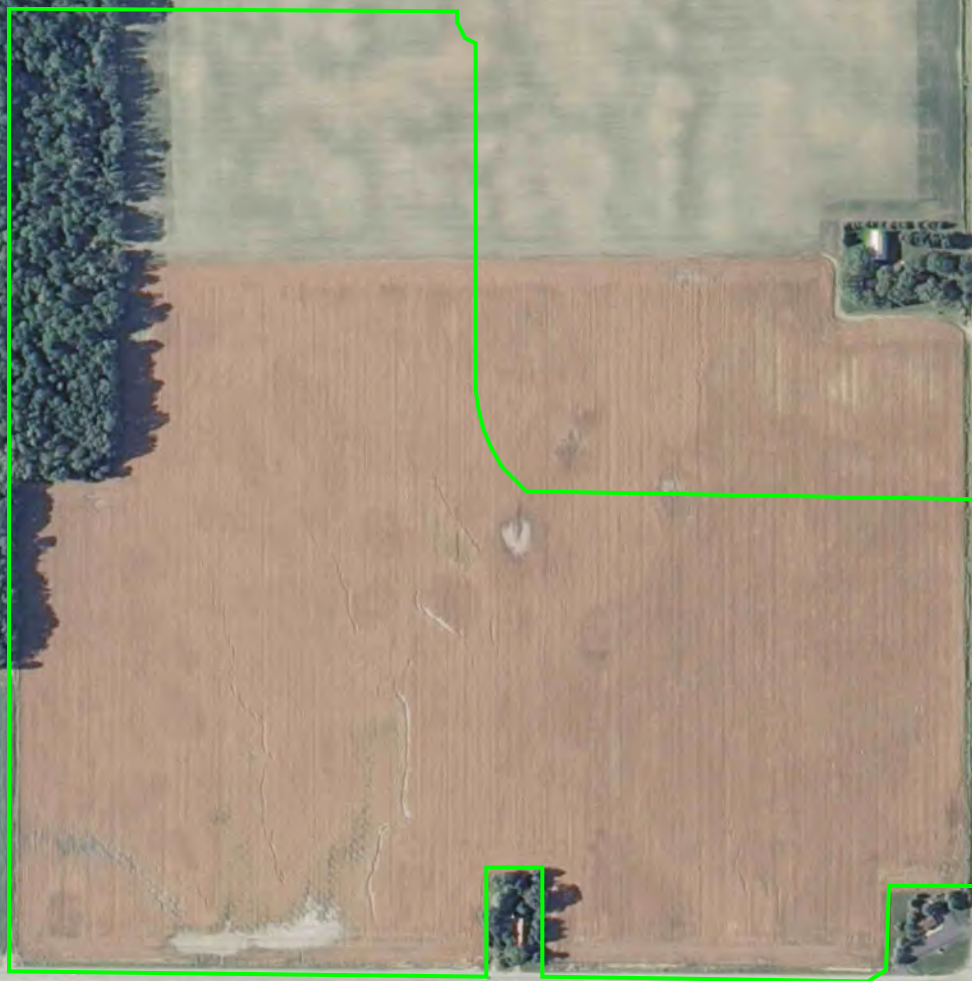
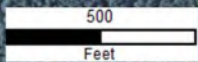
Year: 2010  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191







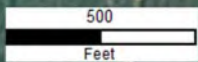
Year: 2009  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191







Year: 2006  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191





500  
Feet



Year: 2005  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191





500  
Feet



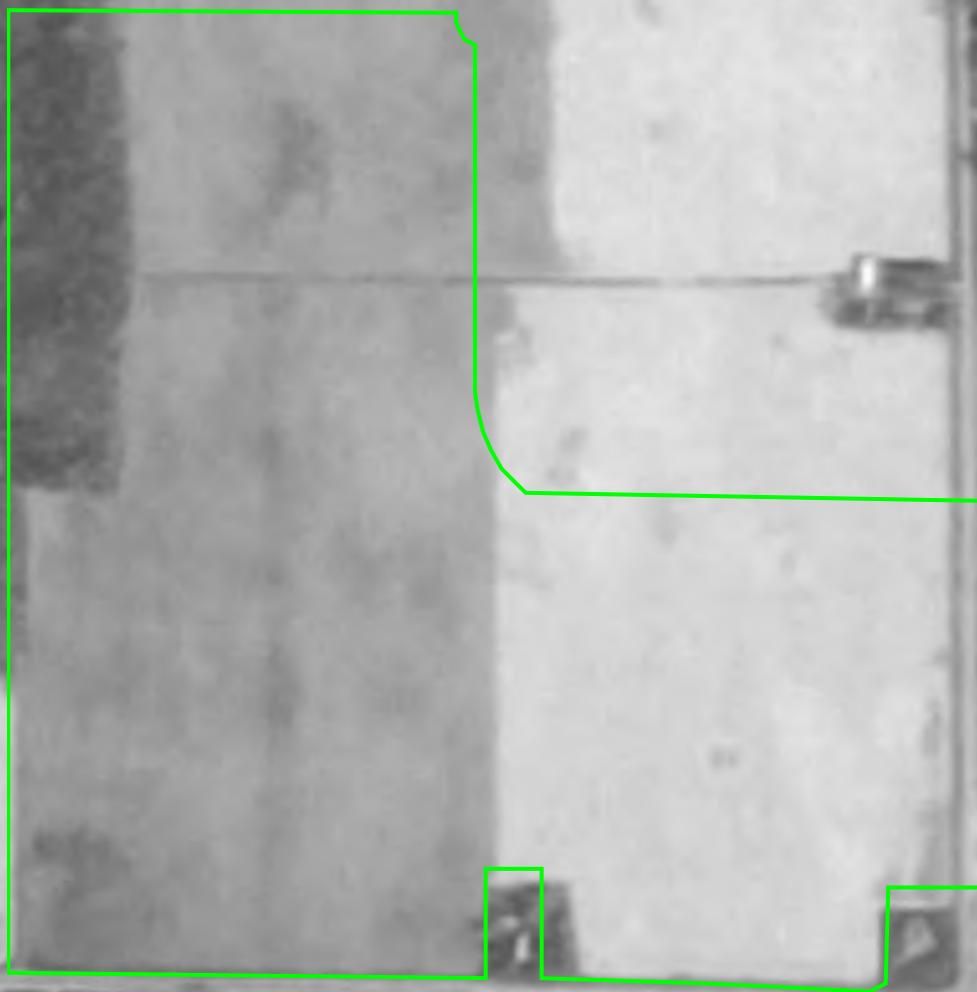
Year: 1998  
Source: USGS  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191



500  
Feet



Year: 1992  
Source: USGS  
Scale: 1" = 500'  
Comment: Best Copy Available

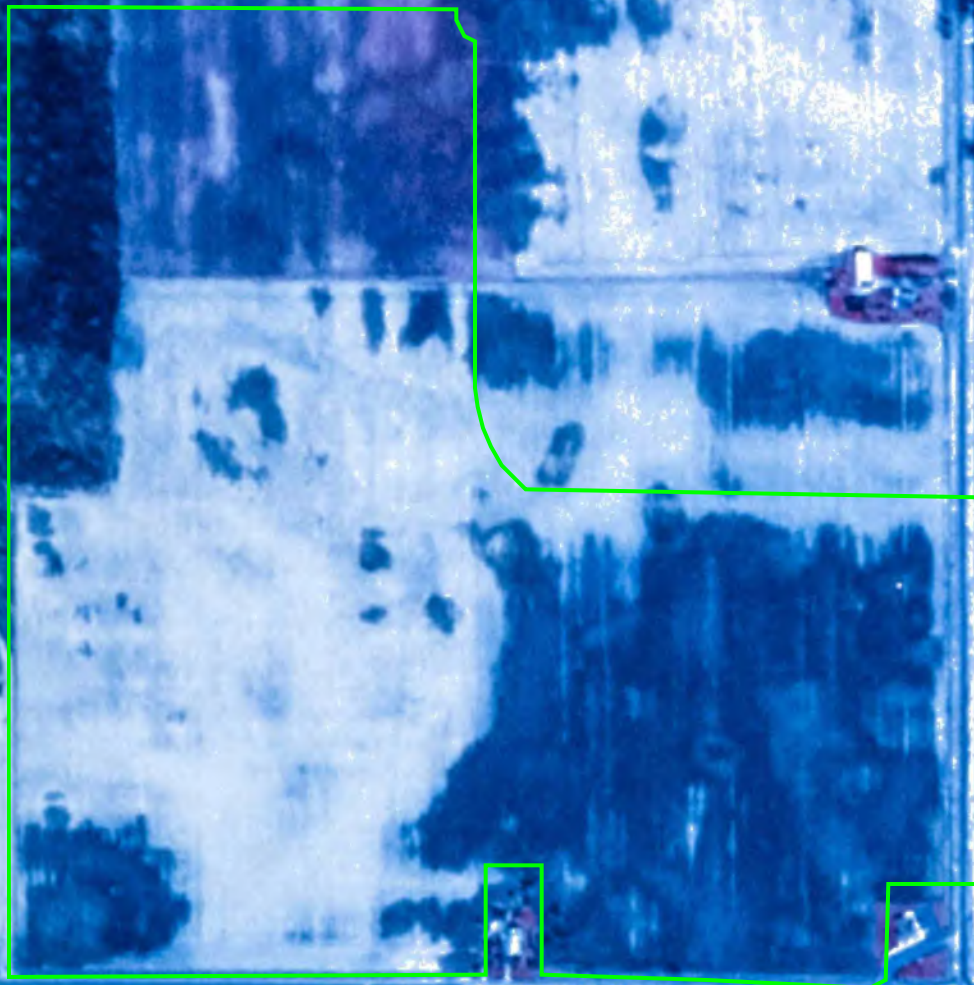
Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191





500  
Feet



Year: 1983  
Source: USGS  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191





500  
Feet



Year: 1974  
Source: USGS  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191





500  
Feet



Year: 1963  
Source: ASCS  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191





500  
Feet



Year: 1954  
Source: USGS  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191





500  
Feet



Year: 1950  
Source: ASCS  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191





500  
Feet



Year: 1941  
Source: ASCS  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191





500  
Feet



Year: 1937  
Source: ASCS  
Scale: 1" = 500'  
Comment:

Address: 705 North Graham Road, Saginaw, MI  
Approx Center: -84.13665531,43.41947792

Order No: 24100300191



## **Appendix E**

### **Other Relevant Documentation**

## Client Questionnaire Responses

**1. Respondent Name**

Tim Dempsey

**2. \*\*Respondent Title \*\***

Senior Vice President

**3. \*\*Respondent Company \*\***

Saginaw Future Inc.

**4. Date**

2024-10-03

**5. Full Subject Project Address (Address, City, State)**

Great Lakes Tech Park, NW corner M-46/Graham Rd.

**6. \*\*AKT Peerless Project Number \*\***

6411s2-1-17

**7. Was a search of land title records (or judicial records) completed to identify environmental liens filed or recorded against the subject property?**

Yes

**8. Please provide details of land title records (or judicial records) completed to identify environmental liens filed or recorded against the subject property.**

Oil, mineral, and gas leases which have expired.

**9. Did the recorded land title records search reveal Activity Use Limitations (e.g., engineering controls, land use restrictions, and/or institutional controls) that limit the allowable use of the subject property?**

Unknown

**10. \*\*Do you have any specialized knowledge or experiences related to the subject property or nearby properties? \*\***



**Yes**

**11. Please provide details of any specialized knowledge or experiences related to the subject property or nearby properties.**

**Property was acquired for a high-tech/light-industrial park, two sites have been developed. The remainder is leased as farmland until buyers are identified.**

**12. Do you have actual knowledge regarding environmental lien or Activity Use Limitations (e.g., Commercial-use Deed Restriction) associated with the subject property?**

**No**

**13. Does the purchase price being paid for this property reasonably reflect the fair market value of the subject property?**

**Yes**

**14. Are you aware of information about the subject property that would help the environmental professional identify chemical or petroleum releases or threatened releases?**

**No**

**15. What is the past use of the subject property?**

**Farmland**

**16. Do you know of specific chemicals that are present or were once present at the subject property?**

**No**

**17. Do you know of spills or other chemical releases that have occurred at the subject property?**

**No**

**18. Do you know of any environmental cleanups that have taken place at the subject property?**

**No**

**19. Are you aware of obvious indicators that point to the presence or likely presence of contamination at the subject property?**

No

**20. Why did you retain AKT Peerless to perform this Phase I ESA (e.g., purchase, refinance, insurance purposes, etc.)?**

This property is part of MEDC's MI-Sites Program. It was recently given a "Bronze" designation. In order to receive "Silver" or "Gold" the site must have a more current (within 36 months) Phase I. The original Phase I was completed in 2009.

**21. Are there any special terms and conditions that apply to the completion of this Phase I ESA (e.g., access limitations, confidentiality, etc.)?**

None

**22. \*\*Do you have access to the following? \*\***

Surveys (ALTA, site plan, boundary, etc.), preferably in CAD format, Previous environmental reports (e.g., assessments, investigations, compliance audits, closure reports, no further action reports, cleanup, hydrogeologic, hazardous waste generation/treatment/disposal, geotechnical studies, etc.), Land title records (e.g., Preliminary Title Reports, Title Commitments, Deed Restrictions, Condition of Title, Title Abstracts, etc.)

**23. Use this link to upload files for our review**

[https://api.typeform.com/responses/files/f66b62a2630b3a699350e654c2f546cf61e803fa0d30051b41e4758d665906ee/6a\\_b\\_Controlling\\_Entity\\_Letter\\_\\_\\_Great\\_Lakes\\_Tech\\_Park\\_REVISION.pdf](https://api.typeform.com/responses/files/f66b62a2630b3a699350e654c2f546cf61e803fa0d30051b41e4758d665906ee/6a_b_Controlling_Entity_Letter___Great_Lakes_Tech_Park_REVISION.pdf)

**24. Token**

9to5d57h67ebit88e59to5dbuqvh1iyo

**25. Submitted at**

2024-10-03 15:14:01 +0000 UTC

## Knowledgeable Party Questionnaire Responses

**1. Respondent Name**

Tim Dempsey

**2. \*\*Respondent Title \*\***

Senior Vice President

**3. \*\*Respondent Company \*\***

Saginaw Future

**4. Please provide your email**

tdempsey@saginawfuture.com

**5. Please provide your phone number**

+19897572109

**6. Date**

2024-10-03

**7. Subject Property Address (Address, City, State)**

Great Lakes Tech Park, NW corner of M-46 and Graham Rd.

**8. \*\*AKT Peerless Project Number \*\***

6411s2-1-17

**9. How long have you been familiar with the subject property?**

1 year (but colleagues 15 years)

**10. Please list the names of previous occupants of the property.**

Property is vacant land.

**11. Have previous environmental assessments of the subject property been performed?**

**Yes**

**12. Please list those previous reports here and contact us so we can review those documents.**

**AKT Peerless Project No. 6411s-1-17**

**13. Has the subject property ever been used for industrial purposes?**

**No**

**14. Has the subject property been used for the following?**

**None of the above**

**15. Have any of the following been used or stored at the subject property?**

**None of the above**

**16. Has fill material (e.g., soil, topsoil, sand, dirt, gravel, crushed concrete or brick, foundry sand, etc.) ever been brought onto the subject property?**

**Unknown**

**17. Have hazardous substances, petroleum products, waste materials, tires, batteries, drums, or other materials been dumped, buried, and/or burned at the subject property?**

**No**

**18. Have you ever observed any of the following at the subject property?**

**None of the above**

**19. What fuel source is used to heat structures at the subject property?**

**Not applicable (no heated structures)**

**20. Please select the potable water service associated with the subject property.**

**Municipal (public) water service**

**21. Please select the sanitary waste disposal utilized at the subject property.**

**Municipal sanitary sewer**



**22. \*\*Are you aware of any of the following administrative controls filed or recorded against the subject property? \*\***

None of the above

**23. Are you aware of subsurface contamination from hazardous substances or petroleum products at the subject property?**

No

**24. \*\*Are you aware of any of the following engineering controls installed to prevent exposure from contamination at the subject property? \*\***

None of the above

**25. Does the subject property discharge waste water (other than precipitation) into the sewer system (storm or sanitary)?**

No

**26. Are there any past, threatened, or pending lawsuits or administrative proceedings concerning a release of hazardous substances or petroleum products involving the subject property?**

No

**27. Have polychlorinated biphenyls (PCBs) been detected in electrical or hydraulic equipment at the subject property?**

No

**28. Have asbestos-containing materials (ACM) been identified at the subject property?**

No

**29. Have lead-based paints (LBPs) been detected at the subject property?**

No

**30. Have there been indications of moisture intrusion, mildew-like odors, or visible mold growth inside structures at the subject property?**

No

**31. Is the subject property located in an environmentally sensitive area (i.e., wetlands, coastal barrier resource areas, coastal barrier improvement act areas, flood plains, endangered species, etc.)?**

Yes

**32. Please provide more detail regarding the environmentally sensitive area.**

Western portion of the property is in a designated wetland.

**33. Are you aware of environmental compliance violations issued to the subject property by a regulatory authority?**

No

**34. Have any ADJOINING PROPERTIES been used for the following?**

Industrial or manufacturing

**35. Do you have access to any of the following documents pertaining to the subject property?**

Surveys (ALTA, site plan, boundary, etc.), preferably in CAD format, Previous environmental reports (e.g., assessments, investigations, compliance audits, closure reports, no further action reports, cleanup, hydrogeologic, hazardous waste generation/treatment/disposal, geotechnical studies, etc.), Land title records (e.g., Preliminary Title Reports, Title Commitments, Deed Restrictions, Condition of Title, Title Abstracts, etc.)

**36. \*\*Applicable Documents \*\***

[https://api.typeform.com/responses/files/0d14d27d19d55f2605b4c5bc89b09a50a826f4f0c86e38c5e8fd568cd1bfe4ee/G6\\_\\_\\_ALTA\\_Survey.pdf](https://api.typeform.com/responses/files/0d14d27d19d55f2605b4c5bc89b09a50a826f4f0c86e38c5e8fd568cd1bfe4ee/G6___ALTA_Survey.pdf)

**37. \*\*Additional Comments from Key Site Contact \*\***

We have updated title work coming for the project. We also have the original Phase 1 but it's over 10 MB for uploading.

**38. Token**

rh37rlc4n57bzbmrh37wv5m5c20rteqa

**39. Submitted at**

2024-10-03 15:24:01 +0000 UTC



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# CITY DIRECTORY

**Project Property:**     *705 North Graham Road  
705 North Graham Road  
Saginaw, MI 48609*

**Project No:**            *6411s2-1-17*

**Requested By:**        *AKT Peerless*

**Order No:**             *24100300191*

**Date Completed:**     *October 09, 2024*

**Environmental Risk Information Services**

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

October 09, 2024  
RE: CITY DIRECTORY RESEARCH  
705 North Graham Road  
Saginaw, MI 48609

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

**Search Criteria:**

10000-12000 of Gratiot Rd  
BEG-1500 of N Graham Rd  
ALL of Sunshine Dr

**Search Notes:**



## Search Results Summary

Date	Source	Comment
2023	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	DIGITAL BUSINESS DIRECTORY	
1997	POLKS	
1995	POLKS	
1990	POLKS	
1985	POLKS	
1979-80	POLKS	
1975	POLKS	
1970	POLKS	
1965	POLKS	
1960	POLKS	
1955	POLKS	
1950	POLKS	
1946	POLKS	
1941	POLKS	
1936	POLKS	
1931	POLKS	
1927	POLKS	

### Environmental Risk Information Services

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

10048 JOHN SLATTERY...RESIDENTIAL  
10060 ERIN FRYE...RESIDENTIAL  
10076 BRET BREMER...RESIDENTIAL  
10076 SHAWNIE BREMER...RESIDENTIAL  
10090 THERESIA BINDER...RESIDENTIAL  
10255 HOMECRAFT BARNS...HOME IMPROVEMENTS  
10255 HOMECRAFT BARNS...FEDERAL GOVERNMENT CONTRACTORS  
10255 HOMECRAFT BARNS...SHEDS-TOOL & UTILITY  
10260 F OLDENBURG...RESIDENTIAL  
10260 JAMES OLDENBURG...RESIDENTIAL  
10260 JOHN OLDENBURG...RESIDENTIAL  
10740 JENNIFER SALOWITZ...RESIDENTIAL  
10875 DENISE TRINKLEIN...RESIDENTIAL  
10950 7 ELEVEN...CONVENIENCE STORES  
10950 MOBIL...SERVICE STATIONS-GASOLINE & OIL  
11020 FCS MORTGAGE...LOANS  
11020 FCS MORTGAGE...FINANCING  
11020 GREEN STONE FARM CREDIT SVC...TAX RETURN PREPARATION & FILING  
11020 GREEN STONE FARM CREDIT SVC...REAL ESTATE LOANS  
11020 GREENSTONE FARM CREDIT SVC...CREDIT UNIONS  
11020 GREENSTONE FARM CREDIT SVC...FEDERALLY CHARTERED CREDIT UNIONS  
11145 JUBILEE POOL & SPA...SWIMMING POOL CONTRS DEALERS & DESIGNERS  
11200 ANITA SCHCFZER...RESIDENTIAL  
11200 ANITA SCHERZER...RESIDENTIAL  
11265 SARA ARMSTRONG...RESIDENTIAL  
11285 SAGINAW VALLEY SOD FARMS...SOD & SODDING SERVICE  
11285 SAGINAW VALLEY SOD FARMS...FARM MARKETS  
11500 BLUEBERRIES GALORE FARM...NONCLASSIFIED ESTABLISHMENTS  
11515 MARILYN TRINKLEIN...RESIDENTIAL  
11515 TRINKLEIN FARMS...FARMS  
11535 DAVID TRINKLEIN...RESIDENTIAL  
11580 ANNMARIE JAMES...RESIDENTIAL  
11700 WURTZEL GARDEN CTR...GREENHOUSES  
11700 WURTZEL GARDEN CTR...NURSERYMEN  
11746 RICHARD GREYERBIEHL...RESIDENTIAL  
11780 MIKE FROST...RESIDENTIAL  
11810 JOYCE SCHUMACHER...RESIDENTIAL  
11840 SHANNON ROBBINS...RESIDENTIAL  
11860 JULIE KRUEGER...RESIDENTIAL  
11860 SUE KRUEGER...RESIDENTIAL  
11935 BELIA TAFOYA...RESIDENTIAL  
11935 DOREEN TAFOYA...RESIDENTIAL  
11980 ERSKINE FEED & SUPPLY...FEED-DEALERS (WHLS)  
11980 LONE STAR WESTERN STORE...HORSE BREEDERS  
11980 LONE STAR WESTERN STORE...WESTERN APPAREL  
11980 U HAUL...TRUCK RENTING & LEASING

178 NATURAL RESOURCES CONSERVATION...FEDERAL GOVERNMENT-  
CONSERVATION DEPTS  
178 US AGRICULTURAL DEPT...GOVERNMENT OFFICES-US  
178 US AGRICULTURAL DEPT...STATE GOVERNMENTCONSERVATION DEPTS  
696 GAIL LAZZARO...RESIDENTIAL  
696 JAMES LAZZARO...RESIDENTIAL  
810 CAITLYN PLAMBECK...RESIDENTIAL  
810 MALLORY PLAMBECK...RESIDENTIAL  
900 BARIE BURZYNSKI...RESIDENTIAL  
1006 PHILIP PREZZATO...RESIDENTIAL  
1010 KATHLEEN BRUCE...RESIDENTIAL  
1010 RICHARD BRUCE...RESIDENTIAL  
1028 LARRY GRONSKI...RESIDENTIAL  
1028 SYLVIA GRONSKI...RESIDENTIAL  
1060 JOSEPH KRZYZANIAK...RESIDENTIAL  
1060 SHELLEY KRZYZANIAK...RESIDENTIAL  
1080 RONALD ROSE...RESIDENTIAL  
1110 KATHLEEN FLEMING...RESIDENTIAL  
1110 MARK FLEMING...RESIDENTIAL  
1118 ERIN MOORE...RESIDENTIAL  
1128 CONNIE SIVEY...RESIDENTIAL  
1128 CONSTANCE KOSTRZEWA...RESIDENTIAL  
1134 GAIL WOLGAST...RESIDENTIAL  
1134 PATRICK WOLGAST...RESIDENTIAL

NO LISTING FOUND

10060 ERIN FRYE...RESIDENTIAL  
10076 BRET BREMER...RESIDENTIAL  
10090 THERESIA BINDER...RESIDENTIAL  
10255 HOMECRAFT BARNS...SHEDS-TOOL & UTILITY  
10255 HOMECRAFT BARNS...FEDERAL GOVERNMENT CONTRACTORS  
10255 HOMECRAFT BARNS...HOME IMPROVEMENTS  
10260 F OLDENBURG...RESIDENTIAL  
10260 LORETTA OLDENBURG...RESIDENTIAL  
10875 DENISE TRINKLEIN...RESIDENTIAL  
10950 7-ELEVEN...CONVENIENCE STORES  
10950 MOBIL...SERVICE STATIONS-GASOLINE & OIL  
11020 FCS MORTGAGE...FINANCING  
11020 FCS MORTGAGE...LOANS  
11020 GREEN STONE FARM CREDIT SVC...REAL ESTATE LOANS  
11020 GREEN STONE FARM CREDIT SVC...TAX RETURN PREPARATION & FILING  
11020 GREENSTONE FARM CREDIT SVC...CREDIT UNIONS  
11020 GREENSTONE FARM CREDIT SVC...FEDERALLY CHARTERED CREDIT UNIONS  
11145 JUBILEE POOL & SPA...SWIMMING POOL CONTRS DEALERS & DESIGNERS  
11200 ANITA SCHCFZER...RESIDENTIAL  
11285 SAGINAW VALLEY SOD FARMS...SOD & SODDING SERVICE  
11285 SAGINAW VALLEY SOD FARMS...FARM MARKETS  
11515 MARILYN TRINKLEIN...RESIDENTIAL  
11515 TRINKLEIN FARMS...FARMS  
11535 DAVID TRINKLEIN...RESIDENTIAL  
11580 ANNMARIE JAMES...RESIDENTIAL  
11700 WURTZEL GARDEN CTR...NURSERYMEN  
11700 WURTZEL GARDEN CTR...GREENHOUSES  
11746 RICHARD GREYERBIEHL...RESIDENTIAL  
11780 MIKE FROST...RESIDENTIAL  
11810 JOYCE SCHUMACHER...RESIDENTIAL  
11840 SHANNON ROBBINS...RESIDENTIAL  
11860 JULIE KRUEGER...RESIDENTIAL  
11935 BELIA TAFOYA...RESIDENTIAL  
11935 DOUGLAS TAFOYA...RESIDENTIAL  
11980 ERSKINE FEED & SUPPLY...FEED-DEALERS (WHLS)  
11980 LONE STAR WESTERN STORE...HORSE BREEDERS  
11980 LONE STAR WESTERN STORE...WESTERN APPAREL  
11980 U-HAUL...TRUCK RENTING & LEASING

178NATURAL RESOURCES CONSERVATION...FEDERAL GOVERNMENT-  
CONSERVATION DEPTS

178US AGRICULTURAL DEPT...GOVERNMENT OFFICES-US

178US AGRICULTURAL DEPT...STATE GOVERNMENTCONSERVATION DEPTS

696GAIL LAZZARO...RESIDENTIAL

810CAITLYN PLAMBECK...RESIDENTIAL

900BARIE BURZYNSKI...RESIDENTIAL

1006PHILIP PREZZATO...RESIDENTIAL

1010KATHLEEN BRUCE...RESIDENTIAL

1028LARRY GRONSKI...RESIDENTIAL

1028SYLVIA GRONSKI...RESIDENTIAL

1060JOSEPH KRZYZANIAK...RESIDENTIAL

1060SHELLEY KRZYZANIAK...RESIDENTIAL

1080RONALD ROSE...RESIDENTIAL

1110KATHLEEN FLEMING...RESIDENTIAL

1110MARK FLEMING...RESIDENTIAL

1118ERIN MOORE...RESIDENTIAL

1128CONSTANCE KOSTRZEWA...RESIDENTIAL

1134GAIL WOLGAST...RESIDENTIAL

NO LISTING FOUND



10060 ERIN FRYE...RESIDENTIAL  
10060 JEREMY FRYE...RESIDENTIAL  
10075 WEST VALLEY SELF SERVE STORAGE...STORAGE-HOUSEHOLD &  
COMMERCIAL  
10075 WEST VALLEY SELF SERVE STORAGE...BOAT STORAGE  
10076 BRET BREMER...RESIDENTIAL  
10076 SHAWNIE BREMER...RESIDENTIAL  
10090 THERESIA BINDER...RESIDENTIAL  
10255 HOMECRAFT BARNS...HOME IMPROVEMENTS  
10255 HOMECRAFT BARNS...SHEDS-TOOL & UTILITY  
10260 F OLDENBURG...RESIDENTIAL  
10260 JAMES OLDENBURG...RESIDENTIAL  
10260 JOHN OLDENBURG...RESIDENTIAL  
10260 LORETTA OLDENBURG...RESIDENTIAL  
10425 ADOLPH ARIZOLA JR...RESIDENTIAL  
10425 LINDA ARIZOLA...RESIDENTIAL  
10740 JAMES LAMB...RESIDENTIAL  
10875 DENISE TRINKLEIN...RESIDENTIAL  
10875 JOHN TRINKLEIN...RESIDENTIAL  
10950 7-ELEVEN...SERVICE STATIONS-GASOLINE & OIL  
10950 7-ELEVEN...CONVENIENCE STORES  
10950 ATM...AUTOMATED TELLER MACHINES  
11020 FCS MORTGAGE...LOANS  
11020 GREENSTONE FARM CREDIT SVC...CREDIT UNIONS  
11145 JUBILEE POOL & SPA...SWIMMING POOL CONTRS DEALERS & DESIGNERS  
11200 ROCKWELL SCHERZER...RESIDENTIAL  
11200 ROCKWELL SCHERZER ISA CAPP...APPRAISERS  
11285 SAGINAW VALLEY SOD FARMS...FARM MARKETS  
11285 SAGINAW VALLEY SOD FARMS...SOD & SODDING SERVICE  
11500 BLUEBERRIES GALORE FARM...NONCLASSIFIED ESTABLISHMENTS  
11515 MARILYN TRINKLEIN...RESIDENTIAL  
11515 STAFFORD TRINKLEIN SR...RESIDENTIAL  
11515 TRINKLEIN FARMS...FARMS  
11515 TRINKLEIN FARMS...AGRICULTURAL TECHNICIANS  
11535 DAVID TRINKLEIN...RESIDENTIAL  
11535 JULIE TRINKLEIN...RESIDENTIAL  
11580 ANNMARIE JAMES...RESIDENTIAL  
11580 JOSEPH JAMES...RESIDENTIAL  
11700 WURTZEL GARDEN CTR...NURSERYMEN  
11700 WURTZEL GARDEN CTR...GREENHOUSES  
11746 RICHARD GREYERBIEHL...RESIDENTIAL  
11780 MIKE FROST...RESIDENTIAL  
11810 JOYCE SCHUMACHER...RESIDENTIAL  
11810 RONALD SCHUMACHER...RESIDENTIAL  
11840 JOSEPH ROBBINS JR...RESIDENTIAL  
11840 SHANNON ROBBINS...RESIDENTIAL  
11860 JULIE KRUEGER...RESIDENTIAL  
11860 SUE KRUEGER...RESIDENTIAL  
11935 BELIA TAFOYA...RESIDENTIAL  
11935 DOREEN TAFOYA...RESIDENTIAL  
11935 DOUGLAS TAFOYA...RESIDENTIAL  
11979 ARLENE FRANK...RESIDENTIAL  
11980 ERSKINE FEED & SUPPLY...FEED-DEALERS (WHLS)  
11980 LONE STAR WESTERN STORE...WESTERN APPAREL  
11980 LONE STAR WESTERN STORE...HORSE BREEDERS  
11980 MONEY CONCEPTS...FINANCIAL ADVISORY SERVICES  
11980 MONEY CONCEPTS...FINANCIAL PLANNING CONSULTANTS

178 NATURAL RESOURCES CONSERVATION...FEDERAL GOVERNMENT-  
CONSERVATION DEPTS  
178 SAGINAW CONSERVATION DISTRICT...FEDERAL GOVERNMENT  
CONTRACTORS  
178 SAGINAW CONSERVATION DISTRICT...SOIL CONSERVATION SERVICE  
178 US AGRICULTURAL DEPT...GOVERNMENT OFFICES-US  
178 US CONSOLIDATED FARM SVC AGCY...GOVERNMENT OFFICES-US  
696 GAIL LAZZARO...RESIDENTIAL  
696 JAMES LAZZARO...RESIDENTIAL  
810 CAITLYN PLAMBECK...RESIDENTIAL  
810 DAVID PLAMBECK...RESIDENTIAL  
810 LYNNE PLAMBECK...RESIDENTIAL  
810 MALLORY PLAMBECK...RESIDENTIAL  
810 RACHEL PLAMBECK...RESIDENTIAL  
900 BARIE BURZYNSKI...RESIDENTIAL  
900 FREDERICK BURZYNSKI...RESIDENTIAL  
1006 PHILIP PREZZATO...RESIDENTIAL  
1010 KATHLEEN BRUCE...RESIDENTIAL  
1010 RICHARD BRUCE...RESIDENTIAL  
1028 LARRY GRONSKI...RESIDENTIAL  
1028 SYLVIA GRONSKI...RESIDENTIAL  
1060 JOSEPH KRZYZANIAK...RESIDENTIAL  
1060 SHELLEY KRZYZANIAK...RESIDENTIAL  
1080 RONALD ROSE...RESIDENTIAL  
1080 SANDRA ROSE...RESIDENTIAL  
1118 ERIN MOORE...RESIDENTIAL  
1118 KEVIN MOORE...RESIDENTIAL  
1128 CONSTANCE KOSTRZEWA...RESIDENTIAL  
1134 GAIL WOLGAST...RESIDENTIAL  
1134 PATRICK WOLGAST...RESIDENTIAL

NO LISTING FOUND

73 total records. Part 1 of 2

10040 JOSEPH PREMO...RESIDENTIAL  
10060 ERIN FAYE...RESIDENTIAL  
10060 JEREMY FAYE...RESIDENTIAL  
10060 JEREMY FRYE...RESIDENTIAL  
10075 WEST VALLEY SELF SERVE STORAGE...MINIWAREHOUSE & SELF-STORAGE  
UNIT OPERATORS  
10075 WEST VALLEY SELF SERVE STORAGE...WAREHOUSING SELF STOR  
10075 WEST VALLEY SELF SERVE STORAGE...STORAGE-HOUSEHOLD &  
COMMERCIAL  
10076 BRET BREMER...RESIDENTIAL  
10076 SHAWNIE BREMER...RESIDENTIAL  
10090 JOSEPH MURIN...RESIDENTIAL  
10255 HOMECRAFT BARNS...RESIDENTIAL REMODELERS  
10255 HOMECRAFT BARNS...HOME IMPROVEMENTS  
10255 HOMECRAFT BUILDING...GEN REMOD 1-FAM HOUSE  
10255 HOMECRAFT REMODELING...GARAGE & DECK CONSTRUCTION  
10260 JAMES OLDENBURG...RESIDENTIAL  
10260 LORETTA OLDENBURG...RESIDENTIAL  
10425 SCOTT BEAGLE...RESIDENTIAL  
10950 7 ELEVEN...CONVENIENCE STORES  
10950 7-ELEVEN...CONVENIENCE STORES  
10950 SEVEN ELEVEN FOOD STORES...CONVEN STORES CHAIN  
11020 FCS MORTGAGE...REAL ESTATE LOANS  
11020 FCS MORTGAGE...MORTGAGE BANKER/CORRESPONDENT  
11020 GREEN STONE FARM CREDIT SVC...MORTGAGE BANKERS  
11020 GREEN STONE FARM CREDIT SVC...REAL ESTATE LOANS  
11020 GREEN STONE FARM CREDIT SVC...REAL ESTATE CREDIT  
11145 JUBILEE POOL & SPA...RADIO & TV REPAIR  
11145 JUBILEE POOL & SPA...STORE RETAILERS NOT SPECIFIED ELSEWHERE  
11145 JUBILEE POOL & SPA...HOT TUBS & SPAS  
11200 ANITA SCHERZER...RESIDENTIAL  
11200 ROCKWELL SCHERZER...RESIDENTIAL  
11200 ROCKWELL SCHERZER ISA CAPP...APPRAISERS  
11200 ROCKWELL SCHERZER ISA CAPP...ALL OTHER PROFESSIONAL & TECHNICAL  
SVCS  
11265 MICKI FERGUSON...RESIDENTIAL  
11265 MILDRED FERGUSON...RESIDENTIAL  
11285 SAGINAW VALLEY SOD FARMS...LAWN SERVICES  
11285 SAGINAW VALLEY SOD FARMS...LANDSCAPING SVCS  
11285 SAGINAW VALLEY SOD FARMS...SOD & SODDING SERVICE  
11491 DONALD LEDDY...LOCAL TRUCKING-WITH STORAGE  
11491 DONALD LEDDY...RESIDENTIAL  
11491 DONALD LEDDY TRUCKING...LOCAL TRUCKING,W/O STR  
11491 DONALD LEDDY TRUCKING...GENERAL FREIGHT TRUCKING, LOCAL  
11491 DONALD LEGGY...RESIDENTIAL  
11491 L DONALD...RESIDENTIAL  
11500 BLUEBERRIES GALORE FARM...NONCLASSIFIED ESTABLISHMENTS  
11500 JAMES & JAMES...NONCLASSIFIED ESTABLISHMENTS  
11515 MARILYNN TRINKLIN...RESIDENTIAL  
11515 STAFFORD TRINKLEIN...RESIDENTIAL  
11515 TRINKLEIN FARMS...FARMS  
11515 TRINKLEIN FARMS...ALL OTHER MISCELLANEOUS CROP FARMING  
11515 TRINKLEIN FARMS...GENERAL CROP FARMS  
11535 DAVID TRINKLEIN...RESIDENTIAL  
11535 JULIE TRINKLEIN...RESIDENTIAL  
11535 STAFFORD TRINKLEIN...RESIDENTIAL  
11700 WURTZEL GARDEN CTR...ORNA NURS PDTS PRDN  
11700 WURTZEL GARDEN CTR...GREENHOUSES  
11700 WURTZEL GARDEN CTR...NURSERY & TREE PRODUCTION  
11746 MARYANNE GREYERBIEHL...RESIDENTIAL  
11746 RICHARD GREYERBIEHL...RESIDENTIAL  
11810 RONALD SCHUMACHER...RESIDENTIAL  
11840 JOHN LUTZKE...RESIDENTIAL  
11840 LUTZKE CONTRACTING...MECHANICAL BOILER CONTRACTOR & MASTER PLUMBER  
11840 PATRICIA LUTZKE...RESIDENTIAL  
11860 JULIE KRUEGER...RESIDENTIAL  
11860 JULIES NVER ENDING IMAGINATION...SERVICES-MISC  
11979 ARLENE FRANK...RESIDENTIAL  
11980 ERSKINE FEED & SUPPLY...FARM SUPPLIES MERCHANT WHOLS

Part 2 of 2

11980	ERSKINE FEED & SUPPLY...WHL FARM SUPPLIES
11980	ERSKINE FEED & SUPPLY...FEED-DEALERS (WHLs)
11980	KELLEYS FEED & SUPPLY...FEED-DEALERS (WHOLESALE)
11980	LONE STAR WESTERN STORE...WESTERN APPAREL
11980	LONE STAR WESTERN STORE...OTHER CLOTHING STORES
11980	MONEY CONCEPTS...INVESTMENT ADVICE
11980	MONEY CONCEPTS...FINANCIAL PLANNING CONSULTANTS

178	FARM SERVICE AGENCY...REGULATION AGRICULTURAL MARKETING
178	NATURAL RESOURCES CONSERVATION...FEDERAL GOVERNMENT-CONSERVATION DEPTS
178	SAGINAW CONSERVATION DISTRICT...SOIL PREPARATION SV
178	SAGINAW CONSERVATION DISTRICT...SOIL PREPARATION, PLANTING, & CULTIVATING
178	SAGINAW CONSERVATION DISTRICT...SOIL CONSERVATION SERVICE
178	US AGRICULTURAL DEPT...FEDERAL GOVERNMENT-AGRICULTURAL PROGRAMS
178	US CONSOLIDATED FARM SVC AGCY...ENVIRMTL QLTY/HOUSING
178	US CONSOLIDATED FARM SVC AGCY...FEDERAL GOVERNMENT-CONSERVATION DEPTS
178	US CONSOLIDATED FARM SVC AGCY...ADMINISTRATION OF CONSERVATION PROGRAMS
696	GAIL LAZZARO...RESIDENTIAL
696	JAMES LAZZARO...RESIDENTIAL
810	DAVID PLAMBECK...RESIDENTIAL
810	LYNNE PLAMBECK...RESIDENTIAL
900	DOLORES MOREL...RESIDENTIAL
900	GERALD MOREL...RESIDENTIAL
1006	KAY PREZZATO...RESIDENTIAL
1006	KAY VANPELT...RESIDENTIAL
1006	PHILIP PREZZATO...RESIDENTIAL
1028	BARRY GRONSKI...RESIDENTIAL
1028	HEIDI GRONSKI...RESIDENTIAL
1028	LARRY GRONSKI...RESIDENTIAL
1028	SYLVIA GRONSKI...RESIDENTIAL
1060	ROBERT KRZYZANIAK...RESIDENTIAL
1060	SHELLEY KRZYZANIAK...RESIDENTIAL
1080	JENIFER ROSE...RESIDENTIAL
1080	SANDRA ROSE...RESIDENTIAL
1110	KATHLEEN FLEMING...RESIDENTIAL
1110	LAUREN FLEMING...RESIDENTIAL
1110	MARK FLEMING...RESIDENTIAL
1118	DAVID HOGENSON...RESIDENTIAL
1118	JILL HOGENSON...RESIDENTIAL
1134	GAIL WOLGAST...RESIDENTIAL

NO LISTING FOUND

10040 JOSEPH PREMO...RESIDENTIAL  
10060 KEITH LAMONT...RESIDENTIAL  
10075 WEST VALLEY SELF SERVE STORAGE...WAREHOUSING SELF STOR  
10075 WEST VALLEY SELF SERVE STORAGE...STORAGE-HOUSEHOLD &  
COMMERCIAL  
10076 BRET & SHAWNIE BREMER...RESIDENTIAL  
10255 HOMECRAFT BUILDING...GEN REMOD 1-FAM HOUSE  
10255 HOMECRAFT REMODELING...GARAGE & DECK CONSTRUCTION  
10260 JOHN OLDENBURG...RESIDENTIAL  
10360 DANIEL P PEREGORD...RESIDENTIAL  
10425 SCOTT NEUMEYER...RESIDENTIAL  
10740 B G KILGORE...RESIDENTIAL  
10950 7-ELEVEN...CONVENIENCE STORES  
10950 SEVEN-ELEVEN FOOD STORES...CONVEN STORES CHAIN  
11020 FCS MORTGAGE...REAL ESTATE LOANS  
11020 FCS MORTGAGE...MORTGAGE BANKER/CORRESPONDENT  
11020 GREEN STONE FARM CREDIT SVC...MORTGAGE BANKERS  
11145 JUBILEE POOL & SPA...HOT TUBS & SPAS  
11145 JUBILEE POOL & SPA...RADIO & TV REPAIR  
11200 COURT HOUSE SQUARE ANTIQUES...RET USED MERCHANDISE BUSINESS  
SERVICES  
11200 COURT HOUSE SQUARE ANTIQUES...ANTIQUES  
11200 ROCKWELL S SCHERZER...RESIDENTIAL  
11285 SAGINAW VALLEY SOD FARMS...LAWN SERVICES  
11285 SAGINAW VALLEY SOD FARMS...SOD & SODDING SERVICE  
11491 DONALD LEDDY...LOCAL TRUCKING-WITH STORAGE  
11491 DONALD LEDDY TRUCKING...LOCAL TRUCKING,W/O STR  
11500 JAMES & JAMES...NONCLASSIFIED ESTABLISHMENTS  
11500 JOSEPH JAMES...RESIDENTIAL  
11515 STAFFORD G SR TRINKLEIN...RESIDENTIAL  
11515 TRINKLEIN FARMS...GENERAL CROP FARM  
11515 TRINKLEIN FARMS...GENERAL CROP FARMS  
11535 STAFFORD G JR TRINKLEIN...RESIDENTIAL  
11700 WURTZEL GARDEN CTR...ORNA NURS PDTS PRDN  
11700 WURTZEL GARDEN CTR...GREENHOUSES  
11746 RICHARD GREYERBIEHL...RESIDENTIAL  
11780 MICHAEL & HALENE A FROST...RESIDENTIAL  
11810 RONALD T SCHUMACHER...RESIDENTIAL  
11840 LUTZKE CONTRACTING...MECHANICAL BOILER CONTRACTOR & MASTER PLUMBER  
11860 JULIE KRUEGER...RESIDENTIAL  
11860 JULIES NVER ENDING IMAGINATION...SERVICES-MISC  
11935 BELIA SORIA...RESIDENTIAL  
11979 FRANKLIN A FRANK...RESIDENTIAL  
11980 ERSKINE FEED & SUPPLY...WHL FARM SUPPLIES  
11980 KELLEYS FEED & SUPPLY...FEED-DEALERS (WHOLESALE)  
11980 MONEY CONCEPTS...INVESTMENT ADVICE



178 FARM SERVICE AGENCY...REGULATION AGRICULTURAL MARKETING  
178 SAGINAW CONSERVATION DISTRICT...SOIL CONSERVATION SERVICE  
178 SAGINAW CONSERVATION DISTRICT...SOIL PREPARATION SV  
178 US CONSOLIDATED FARM SVC AGCY...FEDERAL GOVERNMENT-  
CONSERVATION DEPTS  
178 US CONSOLIDATED FARM SVC AGCY...ENVIRMTL QLTY/HOUSING  
900 JERRY & DEE MOREL...RESIDENTIAL  
900 JERRY MOREL...RESIDENTIAL  
1006 PHILIP PREZZATO...RESIDENTIAL  
1060 JOSEPH & SHELLEY KRZYZANIAK...RESIDENTIAL  
1110 MARK FLEMING...RESIDENTIAL

NO LISTING FOUND

10040    JOSEPH PREMO...RESIDENTIAL  
10056    JOSEPH LAFLEUR...RESIDENTIAL  
10060    IRENE BURKE...RESIDENTIAL  
10075    WEST VALLEY SELF SERVE STORAGE  
10076    BRET BREMER...RESIDENTIAL  
10260    JOHN OLDENBURG...RESIDENTIAL  
10360    RONALD MENDYK...RESIDENTIAL  
10540    EDWARD J WRIGHT...RESIDENTIAL  
10740    B G KILGORE...RESIDENTIAL  
10880    CHARLES THOROLD...RESIDENTIAL  
10950    7-ELEVEN FOOD STORE  
11145    JUBILEE ELECTRONICS...RADIO REPAIR AND INSTALLATION  
11145    JUBILEE SATELLITE SYSTEMS...EDUCATIONAL AIDS AND ELECTRONIC  
         TRAINING MATERIALS  
11200    ROCKWELL S SCHERZER...RESIDENTIAL  
11285    SAGINAW VALLEY SOD FARMS  
11491    D R LEDDY...RESIDENTIAL  
11491    DONALD R LEDDY...RESIDENTIAL  
11515    STAFFORD G TRINKLEIN...RESIDENTIAL  
11515    TRINKLEIN FARMS  
11535    STAFFORD G TRINKLEIN...RESIDENTIAL  
11700    WURTZEL GARDEN CTR...PLANTS, FOLIAGE AND SHRUBBERIES  
11746    RICHARD GREYERBIEHL...RESIDENTIAL  
11780    MICHAEL A FROST...RESIDENTIAL  
11810    RONALD T SCHUMACHER...RESIDENTIAL  
11840    LUTZKE CONTRACTING  
11860    SCOTT KRUEGER...RESIDENTIAL  
11935    BELIA SORIA...RESIDENTIAL  
11979    FRANKLIN A FRANK...RESIDENTIAL  
11980    KELLEY'S FEED & SUPPLY  
11980    ROGERS' DOLLAR STORE  
11980    U-HAUL CO

178      SAGINAW SOIL CONSERVATION  
178      IIS CONSOLIDATED FARM SVC AGCY...WILDLIFE CONSERVATION AGENCIES  
705      JOHN FAUCHER...RESIDENTIAL  
900      JOSEPH L SNIDER...RESIDENTIAL  
1006    ROBERT G JACOBS...RESIDENTIAL  
1010    RICHARD BRUCE...RESIDENTIAL  
1028    LAWRENCE GRONSKI...RESIDENTIAL  
1040    THOMAS FRANCETIC...RESIDENTIAL  
1060    JOSEPH KRZYZANIAK...RESIDENTIAL  
1110    MARK FLEMING...RESIDENTIAL  
1128    R BIERLEIN...RESIDENTIAL

NO LISTING FOUND

10056

JOSEPH H LAFLEUR...RESIDENTIAL

10075

WEST VALLEY SELF SERVE STORAGE

10076

ELLA M KINGMAN...RESIDENTIAL

10260

JOHN OLDENBURG...RESIDENTIAL

10540

EDWARD J WRIGHT...RESIDENTIAL

10740

BILLIE G KILGORE...RESIDENTIAL

10875

JOHN TRINKLEIN...RESIDENTIAL

10950

7-ELEVEN FOOD STORE

11020

FARM CREDIT SVC

11145

JUBILEE ELECTRONICS

11145

JUBILEE POOL PATIO & SPA

11145

JUBILEE SATELLITE SYSTEMS

11161

JOSEPH REED...RESIDENTIAL

11200

R S SCHERZER...RESIDENTIAL

11265

JOHN PADGET...RESIDENTIAL

11285

SAGINAW VALLEY SOD FARMS

11491

DONALD R LEDDY...RESIDENTIAL

11515

S G TRINKLEIN...RESIDENTIAL

11515

TRINKLEIN FARMS

11535

S G TRINKLEIN...RESIDENTIAL

11700

WURTZEL GARDEN CTR

11746

RICHARD GREYERBIEHL...RESIDENTIAL

11979

F A FRANK...RESIDENTIAL

11980

KELLEY'S FEED & SUPPLY

11980

SHADY NOOK

178SAGINAW SOIL CONSERVATION

178US CONSOLIDATED FARM SVC AGCY

705JOHN FAUCHER...RESIDENTIAL

900JOSEPH L SNIDER...RESIDENTIAL

1010RICHARD BRUCE...RESIDENTIAL

1060JOEL MAINPRIZE...RESIDENTIAL

NO LISTING FOUND



GRATIOT RD	Address	Zip+4	CarrRte	Phone	GRATIOT RD	Address	Zip+4	CarrRte	Phone	GRI
PERSONAL CREATIONS					10076 Bremer Bret		9408	R007	781-1834	703
8075 C G RAYMOND BUILDING		4873	C002	781-5260	Bremer Shawnie		9408	R007	781-1834	707
CONTRACTOR SHARON'S BRIDAL BOUTIQUE INC		4874	C002	781-9189	10260 Odenburg John		9481	R007	781-2946	709
1010 SHEAR TECHNIQUES HAIR & TAN		4874	C002	781-7721	10360 Mendyk Ronald		9482	R007	781-3871	1200
8095 SHIELDS DAIRY		4874	C002	781-0022	10540 Wright Edward		9482	R007	781-2967	1300
8100 SELF SERVE LUMBER CO		4875	C002	781-3020	10740 Kilgore B G		9483	R007	781-2889	1400
8105 Schroeder Leanne R		4875	C002	781-3064	10880 Thorold Charles		9483	R007	781-1327	1400
8125 SLEEP-EES INN		4875	C002	781-4674	10950 7-ELEVEN		9483	R007	781-2121	1410
8130 Cymbor Michael		4875	C002	781-0188	FOOD STORE		9483	R007	781-2121	1410
8150 NORTH-WEST TIRE & SVC		4875	C002	781-3500	11145 JUBILEE POOL PATIO & SPA		9641	R007	781-0180	1410
8155 EDUCATORS' WAREHOUSE INC		4876	C002	781-3130	11200 Scherzer Rockwell S		9485	R007	781-2923	1410
8170 Gries Scott M		4877	C002	781-3029	11265 PADGET'S LAWN SVC		9648	R007	781-3251	1420
Kundinger William		4877	C002	781-3756	11285 SAGINAW VALLEY SOD FARMS		9648	R007	781-2680	1430
8175 DEBUT AUTOMOTIVE DESIGN INC		4876	C002	781-0901	11491 Leddy D R		9648	R007	781-2683	1510
8220 CONNECTIONS TRAVEL		4876	C002	781-2082	Leddy Donald R		9648	R007	781-2785	1510
8241 MARVIN MAJESTIC VAN CORP		4878	C002	781-3955	11515 TRINKLEIN FARMS		9649	R007	781-2786	1520
8331 COMMUNITY BAPTIST CHURCH		4803	C002	781-2340	Trinklein Staffo G		9649	R007	781-2786	1520
8355 Jackson Douglas R		4803	C002	781-4561	11535 Trinklein Staffo G Jr		9649	R007	781-0935	1520
8365 BURGER KING		4803	C002	781-0190	11700 WURTZEL FARM MARKET		9487	R007	781-4831	1530
8390 SAGEBRUSH		4802	C002	781-4600	11746 MANAGEMENT INFORMATION REVIEW		9487	R007	781-2815	1600
8400 MELIERS NJ VISION OPTICAL		4804	C002	781-4644	Richard		9487	R007	781-2815	1600
8435 GRATIOT VIEW MOTEL		4804	C002	781-4770	11780 Frost Halona		9487	R007	781-4917	1610
8455 GRATIOT ANIMAL HOSPITAL		4805	C002	781-3600	Frost Michael A		9487	R007	781-4917	1610
8497 DAN S MOTOR DOS		4807	C002	781-2230	11810 Schumacher Ronald T		9488	R007	781-4315	1620
8500 CARTER LUMBER		4806	C002	781-4500	11860 Krueger Scott		9488	R007	781-5763	1700
8519 Tyndall James		4807	C002	781-2998	11935 Santa Bella		9651	R007	781-2866	1700
8555 Majorski Gerald C		4807	C002	781-2968	11979 Frank Franklin A		9651	R007	781-2985	1700
8585 Forrester Robert		4807	C002	781-2579	11980 ALLTOP ENTERPRISES		9488	R007	781-2141	1710
8590 LAZZARO ELECTRIC		4806	C002	781-4720	SHADY NOOK		9488	R007	781-2810	1710
Lazzaro James W		4806	C002	781-4939	12115 Latarte Craig J		9653	R011	642-8619	1710
8695 ASCENSION LUTHERAN CHURCH		4808	C002	781-2170	12120 Valero Dennis		9601	R011	642-2702	1710
87 SAGINAW COUNTY SENIOR CTR		4808	C002	781-4169	12145 Fox Theron E		9653	R011	642-5181	1720
8751 POWERSPORTS CENTER INC		4823	C002	781-3633	12160 Ziff Wally C		9601	R011	642-5181	1720
8800 MARTIN CHEVROLET-JEEP-EAGLE		4809	C002	781-4590	12165 Gembrowski Andy		9653	R011	642-2408	1720
8849 7-ELEVEN		4810	C002	781-4489	12193 Fischer Jerry		9653	R011	642-8718	1720
8855 GOLDEN KNIGHT HAIR DESIGN		4810	C002	781-0555	12256 McFadden Eugene		9601	R011	642-8028	1720
8969 EDWARD JONES CO		4811	C002	725-2196	12274 McSwain Donald		9601	R011	642-5147	1720
9030 STANDARD FEDERAL BANK		9401	R007	781-2106	12305 Fischer Edwin F		9654	R011	642-5128	1720
9049 Taylor Randy		9626	R007	781-0957	12330 Levi J		9602	R011	642-8695	1720
9080 MID-VALLEY INSURANCE		9401	R007	781-3070	12350 Brown Bernard		9602	R011	642-5145	1720
9106 RADEWAHN-REALTORS		9401	R007	781-2930	12370 Mendel Michael R		9602	R011	642-8306	1720
9125 Boissonneault Gerald M		9401	R007	781-3070	12401 Francotic Susan K		9654	R011	642-2240	1720
9181 Chaplain S		9626	R007	781-5869	12477 Bell Roger		9654	R011	642-2160	1720
9221 Schwind Robert		9626	R007	781-3952	12500 Bell Norman R		9430	R011	642-8775	1720
9387 CROOKED CREEK SPORTS CTR		9626	R007	781-0050	12515 McGaw Ronnie C		9655	R011	642-5724	1720
9540 SAGINAW GUN CLUB INC		9623	R007	781-2260	12550 Parent Fred		9430	R011	642-5508	1720
9620 MOULIHAN'S OLE TYME ROAD HOUSE		9624	R007	781-0160	12575 Wilkin Carol		9655	R011	642-8116	1720
9670 VALERIO'S SHOWCARS & CONCEPTS		9624	R007	781-2210	12625 Bell James		9656	R011	642-8118	1720
9700 TRI-AREA GLASS CO		9424	R007	695-6071	12628 Kiser Kenneth F Jr		9417	R011	642-8562	1720
9742 BURLINGAME CO		9424	R007	781-3621	Zastler Ralph L		9417	R011	642-2170	1720
9790 MOJE CONCEPT OTHER GUYS		9424	R007	781-5888	12630 Wardwell M		9417	R011	642-3623	1720
9800 BRADY'S PET FEEDS & NEEDS		9607	R007	781-4887	12645 Bartos Leslie M		9656	R011	642-2642	1720
9924 Cline Harold W		9407	R007	781-1094	12681 Maritzka Carl A		9656	R011	642-2718	1720
9974 Zaleski Walter		9407	R007	781-1423	12755 Letherer R K		9657	R011	642-8219	1720
10040 Premo Joseph		9408	R007	781-0933	Letherer S		9657	R011	642-5822	1720
10056 Lafour Joseph		9408	R007	781-2927	12791 Grzanic Leo J		9657	R011	642-8549	1720
10060 Burke Irano		9408	R007	781-2690	12845 Wrochmann Daniel		9657	R011	642-8549	1720
10075 WEST VALLEY SELF SERVE STORAGE		9634	R007	781-0220	12883 Litwicki Michael R		9657	R011	642-2522	1720
					12925 Burke Louis		9657	R011	642-8793	1720

## GRATIOT ST (H) 48626

530 ERIC P BASH DDS	9600	R004	642-5779
RICHARD A MERTZ	9600	R004	642-2648
Mertz Robert A	9600	R004	642-2648

BUSINESSES 2 HOUSEHOLDS 1

## GREEN AVE (BC) 48708

100 LIMBERG'S COTTAGE FLRST	6844	C077	894-4541
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101 Christopherson

Chris

Ford Everett

Ford Hazel

104 Lukowski Dan

105 Laporte Larry

106 Merritt K

111 Knopp Phil

221 Surath Dave

225 Sodnicar Margaret E

306 Plessner Robert W

Plessner Roxey

310 Mowery Robert L

312 Poirier Carol

Poirier Dennis R

314 Julian William

317 Bourdon James A

345 Olson James

400 Smith Earl W

411 Baum Burt

420 Hirschfeld Robert E

520 Michell Donald

526 Trahan Patrick J

603 Nixon L

604 Rau Richard

607 Gill Richard G

613 Donnelly Mary L

621 Dryzga F L

Dryzga Mary

Dryzga Rick

625 Nichols Robert C

## N GRAHAM RD (S) 48609

## 178 SAGINAW SOIL CONSERVATION..

US CONSOLIDATED FARM SVC AGCY

705 Faucher John

900 Snider Joseph L

1006 Jacobs Robert G

1010 Bruce Richard

1028 Gronski Lawrence

1040 Francotic Thomas

1060 Krzyzaniak Joseph

1110 Fleming Mark

1128 Bietlein R

BUSINESSES 2 HOUSEHOLDS 11

STREET NOT LISTED

RANGE NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

RANGE NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

RANGE NOT LISTED



STREET NOT LISTED

STREET NOT LISTED

RANGE NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

RANGE NOT LISTED

1975

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1975

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

RANGE NOT LISTED

STREET NOT LISTED



STREET NOT LISTED

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STREET NOT LISTED



1936

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1936

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

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