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# DRAFT

# PHASE I ENVIRONMENTAL SITE ASSESSMENT

## Former Fiero Plant Parking Lot
## Pontiac, Michigan

AUGUST 2004
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## EXECUTIVE SUMMARY

Conestoga-Rovers & Associates (CRA) was retained by General Motors Corporation (GM), at the direction of legal counsel, to complete a Phase I Environmental Site Assessment (ESA) of the former Fiero Plant parking lot located between West Tennyson Avenue, West Kennett Road, Hollywood Avenue, and Baldwin Avenue in Pontiac, Michigan (Site). The purpose of the Phase I ESA was to identify, through use of good commercial and customary practice, recognized environmental conditions (RECs) and determine if the recognized environmental conditions are potential areas of concern (PAOCs) or potential areas of release (PAORs), as defined by GM, associated with prior or current activities conducted at the Site. This ESA was conducted to assist GM in establishing Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) "innocent landowner defense" and to evaluate business environmental risk as defined in ASTM E-1527-00 for the Site. This ESA included an evaluation of substantive potential compliance issues.

The Site is located in the City of Pontiac in Oakland County, Michigan. The Site consists of approximately 15 acres of land, including asphalt-paved parking areas, abandoned alleys/streets, and vacant grassy land. Based on available information and observations during the Site inspection, the Site is currently unused. Historically, the Site was utilized as a paved parking lot for employees at the former Fiero Plant, located adjacent to the east of the Site across Baldwin Avenue. Based on the review of available information, the northern portion of the Site, to the north of St. Louis Avenue, was initially developed by GM at varying times between 1937 and 1974 for use as a parking area for the former Fiero Plant. The use of the parking lot ceased in approximately 1988/1989. Prior to development as a parking area, the northern portion of the Site was reportedly utilized for residential or agricultural purposes. The southern portion of the Site, to the south of St. Louis Avenue, historically consisted of residential and industrial properties, from before the 1930s until approximately 1980. Prior to development, the southern portion of the Site was reportedly agricultural land.

Based on the Phase I ESA, including the Site inspection, information provided by individuals associated with the Site, documents reviewed, and the environmental database searches, the following PAOCs were identified at the Site:

1. **Historical Site Use – Southern Portion:** Based on the review of available documentation, the southern portion of the Site, was utilized by B & K Garage and Duke & Harry's Garage (automobile repair services), Pontiac Transportation Co., and Universal Oil-Seal Co. Inc. (manufacturer of oil seals). Based on the

review of Sanborn maps, Universal Oil-Seal Co. Inc. was present on the Site on the 1950 and 1970 Sanborn maps, with an automobile service structure. Universal Oil-Seal Co. Inc. was identified as a machine shop on the Sanborn maps. On the 1950 Sanborn map, eight potential underground storage tanks (USTs) were present in the central portion of the building.

2. **Historical Site Use – Northern Portion:** Based on the review of available aerial photographs, topographic maps, and Sanborn maps, the northern portion of the Site was developed at varying times between 1937 and 1974. Prior to development as a parking area, the northern portion of the Site was reportedly utilized for residential or agricultural purposes. No information regarding historical use of heating oil underground storage tanks (USTs) or aboveground storage tanks (ASTs), or property demolition procedures and use of demolition debris as fill material was available to CRA.

3. **Adjacent Property – Former Fiero Plant:** Based on the review of available documentation, the adjacent property to the east of the Site, the former Fiero Plant is listed in the RCRIS-TSD Report, CORRACTS Report, CERCLIS-NFRAP Report, and RCRIS-LQG Report. Based on discussions with individuals associated with the Site and former Fiero Plant, the Plant is part of the Pontiac North Campus, which is currently in the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) phase of RCRA Corrective Action (CA). Additionally, the storm sewers at the former Fiero Plant are being investigated due to impacted sediments. No information regarding if these sewers connect to the storm sewers that traverse the Site.

4. **Adjacent Property – Filling Station:** Based on the review of available Sanborn maps, the adjacent property at the corner of Baldwin Avenue and West Kennett Road to the southwest of the Site, currently Ventura Lounge and Grill, was a filling station on the 1924 and 1950 Sanborn maps. Three USTs were identified at the filling station. No information regarding the removal and closure of the USTs was available.

Based on the Phase I Environmental Site Assessment, including the Site inspection, information provided by individuals associated with the Site, documents reviewed, and the environmental database searches, no PAORs were identified at the Site.

Based on the Phase I Environmental Site Assessment, including the Site inspection, information provided by individuals associated with the Site, documents reviewed, and

the environmental database searches, no other potential environmental issues were identified at the Site.

# 1.0 INTRODUCTION

## 1.1 DEFINITIONS AND ACRONYMS

### 1.1.1 DEFINITIONS

Recognized Environmental Conditions (REC) - the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into the soils, groundwater, or surface water of the property. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be subject to an enforcement action if brought to the attention of appropriate governmental agencies.

Potential Area of Concern (PAOC) - areas with a documented release or likely presence of hazardous substances or petroleum products into the soils, groundwater, or surface water of the property that could pose an unacceptable risk to human health or the environment. The term PAOC is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be subject to an enforcement action if brought to the attention of appropriate governmental agencies.

Potential Area of Release (PAOR) – areas, equipment, or structures that contain hazardous substances or petroleum products under conditions that, if not managed properly, represent a material threat of a release into the soils, groundwater, or surface water of the property. A PAOR is not a PAOC because there is no evidence of a release to the environment, while if there is evidence of a release then the PAOR would be classified as a PAOC that would require decommissioning. During decommissioning activities, all materials shall be removed from the PAOR, properly decontaminated, and all waste generated shall be managed and disposed in a manner that eliminates the material threat of release.

Phase I ESA - Non-intrusive investigation that identifies PAOCs, which may require further investigation in subsequent phases of work.

Phase II Environmental Site Inspection (ESI) - Intrusive investigation to qualitatively and quantitatively identify contaminants in soil, groundwater, and/or surface water for PAOCs identified in the Phase I ESA.

### 1.1.2 ACRONYMS

The following acronyms are used in this report in addition to those found in ASTM Standard E1527-00:

| | |
|---|---|
| ACM | Asbestos Containing Materials |
| AMSL | Above Mean Sea Level |
| AST | Aboveground storage tank |
| BEA | Baseline Environmental Assessment |
| bgs | Below Ground Surface |
| BTEX | Benzene, toluene, ethylbenzene, xylenes |
| CA | Corrective Action |
| CERCLA | Comprehensive Environmental Response, Compensation and Liability Act of 1980 (as amended) |
| CERCLIS | Comprehensive Environmental Response, Compensation and Liability Information System |
| CORRACTS | RCRA - Corrective Action |
| CRA | Conestoga-Rovers & Associates |
| EDR | Environmental Data Resources |
| EPCRA | Emergency Planning and Community Right-to-Know Act |
| ERD | Environmental Response Division |
| ERNS | Emergency Response Notification System |
| ESA | Environmental Site Assessment |
| ESI | Environmental Site Investigation |
| FINDS | Facility Index System |
| FTTS | FIFRA/TSCA Tracking System |
| FRDS | Federal Reporting Data System |
| GM | General Motors Corporation |
| GSI | Groundwater Surface Water Interface |
| HMIRS | Hazardous Materials Information Reporting System |
| LUST | Leaking Underground Storage Tank |
| LQG | Large Quantity Generator of Hazardous Waste |
| MINES | Mines Master Index File |
| MDEQ | Michigan Department of Environmental Quality |
| MDNR | Michigan Department of Natural Resources |
| NCP | National Contingency Plan |
| NFRAP | No Further Remedial Action Planned |

| | |
|---|---|
| NPL | National Priority List |
| NWIM | National Wetland Inventory Map |
| PADS | PCB Activity System |
| PAOC | Potential Area of Concern |
| PAOR | Potential Area of Release |
| PCBs | Polychlorinated biphenyls |
| PNAs | Polynuclear Aromatic Hydrocarbons |
| PR/VSI | Preliminary Review/Visual Site Inspection |
| RAATS | Resource Conservation and Recovery Administrative Action Tracking System |
| RCRA | Resource Conservation and Recovery Act (as amended) |
| RCRIS | Resource Conservation and Recovery Act Information System |
| REC | Recognized Environmental Condition |
| RFI | RCRA Facility Investigation |
| Site | Subject property on which Phase I ESA is conducted |
| SQG | Small Quantity Generator of Hazardous Waste |
| SVOC | Semi-Volatile Organic Compounds |
| TRIS | Toxic Release Inventory System |
| TSCA | Toxic Substances Control Act |
| TSD | Treatment, Storage, or Disposal (RCRA) |
| U.S. EPA | United States Environmental Protection Agency |
| UST | Underground Storage Tank |
| VOC | Volatile Organic Compounds |
| WWTP | Waste Water Treatment Plant |

## 1.2 PURPOSE AND SCOPE OF PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)

Conestoga-Rovers & Associates (CRA) was retained by General Motors Corporation (GM), at the direction of legal counsel, to complete a Phase I Environmental Site Assessment (ESA) of the former Fiero Plant parking lot located between West Tennyson Avenue, West Kennett Road, Hollywood Avenue, and Baldwin Avenue in Pontiac, Michigan (Site). In defining a standard of good commercial and customary practice for conducting an environmental site assessment of a parcel of property, the goal of the processes established by the ASTM Standard Practice E1527-00 is to identify recognized environmental conditions (RECs). The purpose of the Phase I ESA was to use good commercial and customary practices to identify RECs and determine if these RECs are potential areas of concern (PAOCs) or potential areas of release (PAORs) associated with

prior or current activities conducted at the Site. This ESA was conducted to assist GM in establishing Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) "innocent landowner defense" and to evaluate business environmental risk as defined in ASTM E-1527-00 for the Site. This ESA included an evaluation of substantive potential compliance issues. The Site location is presented on Figure 1.1. The current Site plans is presented on Figure 1.2.

The Phase I ESA was conducted in general accordance with ASTM Standard E1527-00, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practices" for conducting environmental assessments. The assessment included an environmental database search, historical records review, a Site inspection, discussions with individuals associated with the Site, and a review of available Site records. This Phase I ESA was prepared by Ms. Jennifer Quigley, and reviewed by Mr. Brian Boevers. Copies of curriculum vitae outlining their qualifications are presented in Appendix A. The following tasks were conducted during the assessment:

- review of Federal and State environmental databases and historical records;
- review of aerial photographs of the Site;
- review of past and current property use and adjacent property occupancy;
- inspection of the facilities, equipment, utility services, operations, and associated Site records;
- observations of Site conditions;
- review of chemical use and storage and spill/release incidents;
- review of waste handling, accumulation, storage, and disposal practices;
- review of air emissions, and stormwater and wastewater discharges;
- review of equipment that may potentially contain polychlorinated biphenyls (PCBs);
- interviews with individuals associated with the Site;
- observation of potential asbestos-containing materials (ACM);
- review of aboveground and underground storage tank records;
- review of the results of prior inspections and remedial activities conducted at the Site; and
- review of previously prepared environmental reports for the Site.

This report summarizes the information gathered by CRA during the Phase I ESA and identified PAOCs and PAORs associated with the Site. This Phase I ESA is the sole property of GM and has been prepared for use by GM.

## 1.3 SITE DESCRIPTION

The Site is bounded by Baldwin Avenue to the east, West Kennett Road to the south, Hollywood Avenue to the west, and West Tennyson Avenue. The Site location is presented on Figure 1.1.

The Site consists of approximately 15 acres of fenced asphalt-paved parking areas, vacated portions of Mansfield and St. Louis Avenues, and vacant grassy areas. The Site is currently vacant and unutilized. A Site Plan is presented on Figure 1.2.

## 1.4 ENVIRONMENTAL SETTING

Based on observations made during the Site inspection, the Site is located in an area of mixed industrial, commercial, and residential land use.

No surface water bodies or wetlands are located on or adjacent to the Site.

### 1.4.1 TOPOGRAPHY

The Site is located at an elevation of approximately 975 feet above mean sea level (AMSL). The slope of the land surface in the vicinity of the parking areas is toward the southwest, towards Terry Lake. The greatest relief in the vicinity of the Site is Terry Lake (approximately one quarter-mile) to the southwest of the Site where the lake lies at an elevation of approximately 935 feet AMSL. Figure 1.1 presents the Site location and topography of the immediate area surrounding the Site.

### 1.4.2 GEOLOGY

Based on a regional knowledge of geology, the Site is located in an area of glacial till and outwash deposits formed during the Wisconsin glacial stage of the Pleistocene Epoch. The glacial till is comprised of low permeability clay, and sandy clay. Smaller sand and gravel units are also encountered occasionally within the clay till unit. The low permeability clay till has a reported depth of approximately 250 to 300 feet and overlies bedrock, which is reported to be Early Mississippian-age Coldwater Shale. No Site-specific data were available to determine the soil stratigraphy underlying the Site.

### 1.4.3 HYDROGEOLOGY

Based on a regional knowledge of groundwater, perched discontinuous groundwater exists regionally, dependent upon surface conditions (i.e. topography, improved surface conditions of asphalt or concrete, etc.).

No groundwater monitoring well logs or water level measurements were available for review by CRA to determine Site specific hydrogeology.

### 1.4.4 SURFACE WATER BODIES

The nearest surface water bodies are Terry Lake (southwest), Harris Lake (south), and Osmen Lake (west). These lakes drain to the northwest to a larger system of lakes that eventually drains into the Clinton River.

No surface water was observed on Site during the Site inspection.

### 1.4.5 ENVIRONMENTALLY SENSITIVE AREAS

No environmentally sensitive areas (i.e., wetlands, parklands, etc.) exist on the Site. CRA obtained and reviewed the National Wetlands Inventory Map (NWIM) for Pontiac North, Michigan. No wetlands were mapped for the Site. A copy of the NWIM is presented in Appendix B.

### 1.4.6 ZONING OF SITE AND AREA

Based on observations made during the Site inspection, the Site is zoned for industrial use. The surrounding areas are zoned for a mixture of residential, commercial, and industrial use based on observations made during the Site inspection. A copy of a portion of the City of Pontiac zoning map is presented in Appendix C.

## 1.5 SITE HISTORY

Historically, the Site was utilized as a paved parking lot for employees at the former Fiero Plant, located adjacent to the east of the Site across Baldwin Avenue. Based on the review of available information, the northern portion of the Site, to the north of St. Louis Avenue, was initially developed by GM at varying times between 1937 and 1974 for use as a parking area for the former Fiero Plant. The use of the parking lot ceased in approximately 1988/1989. Prior to development as a parking area, the northern portion of the Site was reportedly utilized for residential or agricultural purposes. The southern portion of the Site, to the south of St. Louis Avenue, historically consisted of residential and industrial properties, from before the 1930s until approximately 1980. Prior to development, the southern portion of the Site was reportedly agricultural land.

Currently, the northern portion of the Site is a concrete and asphalt parking area and the southern portion is covered with grass.

### 1.5.1 PAST OWNER HISTORICAL USE

Based on the review of available documentation, the southern portion of the Site, was utilized by B & K Garage and Duke & Harry's Garage (automobile repair services), Pontiac Transportation Co., and Universal Oil-Seal Co. Inc. (manufacturer of oil seals). Based on the review of Sanborn maps, Universal Oil-Seal Co. Inc. was present on the Site on the 1950 and 1970 Sanborn maps, with an automobile service structure. Universal Oil-Seal Co. Inc. was identified as a machine shop on the Sanborn maps. On the 1950 Sanborn map, eight potential underground storage tanks (USTs) were present in the central portion of the building.

Based on the review of available aerial photographs, topographic maps, and Sanborn maps, the northern portion of the Site was developed at varying times between 1937 and 1974. Prior to development as a parking area, the northern portion of the Site was reportedly utilized for residential or agricultural purposes. No information regarding historical use of heating oil underground storage tanks (USTs) or aboveground storage tanks (ASTs), or property demolition procedures was available to CRA.

Based on the review of available documentation, the historical use of the southern portion of the Site as an oil seal manufacturer and/or machine shop, with the potential for USTs, along with the historical use of the Site as an automobile service structure is PAOC No. 1. Based on the review of available documentation, no information was

available regarding the demolition procedures used or property conditions at the residences during removal of these structures; therefore, the former residential, commercial, and industrial structures are PAOC No. 2. No PAORs were identified associated with past owner historical use. Locations of PAOCs are presented on Figure 3.1.

### 1.5.2 CURRENT OWNER HISTORICAL USE

The parking areas on the north portion of the Site were originally developed by GM between 1937 and 1974, and currently exist.

It is uncertain when GM purchased the portion of the Site to the south, all buildings were demolished between 1975 and 1980 and the Site is currently a vacant grassy area.

### 1.5.3 CURRENT USE

The parking area is currently protected by a perimeter security fence and is unused. The vacant grassland to the south is unused; however, based upon CRA observations at the time of the Site inspection, this portion of the property is maintained (i.e., the grass is mowed).

### 1.5.4 CURRENT AND HISTORICAL USE OF ADJACENT SURROUNDING PROPERTIES

Current use of adjacent surrounding properties is as noted in Section 1.4.6. Historical use of the adjacent properties was unknown prior to development as residential, commercial, and industrial properties; however, it is assumed that these properties were vacant or agricultural land.

Baldwin Avenue is present to the east of the Site. Beyond Baldwin Avenue to the east of the Site is the former Fiero Plant. Based on discussions with individuals associated with the Site, operations at the former Fiero Plant ceased in approximately 1988 and 1989. The adjacent property was reportedly developed in 1923 for use by the Oakland Car Company. Later, the adjacent property was the Fisher Body – Pontiac Division and was utilized for automotive manufacture. The adjacent property is currently the Pontiac Manufacturing Center – Distribution Center and is utilized for warehousing operations.

Based on the review of the environmental database search results (see Section 2.0), the former Fiero Plant is listed in the CERCLIS-NFRAP Report, CORRACTS Report , RCRIS-TSD Report, RCRIS-LQG Report, and UST Report. Based on discussions with individuals associated with the Site and former Fiero Plant, the Plant is part of the Pontiac North Campus, which is currently in the RFI phase of RCRA CA. Additionally, the storm sewers at the former Fiero Plant are being investigated due to impacted sediments. No information regarding if these sewers connect to the storm sewers that traverse the Site.

Based on the review of available Sanborn maps, the adjacent property at the corner of Baldwin Avenue and West Kennett Road to the southwest of the Site, currently Ventura Lounge and Grill, was a filling station on the 1924 and 1950 Sanborn maps. Three gasoline USTs were identified at the filling station. No information regarding the removal and closure of the USTs was available.

West Kennett Road is located to the south of the Site. Based on observations during the Site inspection, residential and commercial properties are located to the south of the Site beyond West Kennett Raod. Based on the review of aerial photographs, these properties appear to have been residential and commercial in nature since at least 1940.

Hollywood Avenue is present along the western property boundary. Based on observations during the Site inspection, residential properties are located to the west of the Site beyond Hollywood Avenue. Based on the review of aerial photographs, these properties appear to have been residential in nature since at least 1940.

West Tennyson Avenue is located to the north of the Site. Based on observations during the Site inspection, residential properties are located to the north of the Site beyond West Tennyson Avenue. Based on the review of aerial photographs, these properties appear to have been residential in nature since at least 1940.

Based on the review of available documentation, the listing of the adjacent former Fiero Plant on the CERCLIS-NFRAP Report, CORRACTS Report, RCRIS-TSD Report, RCRIS-LQG Report, and UST Report, the current RCRA CA status, and the potential for impacted storm sewer sediments is PAOC No. 3, and the historical use of the adjacent property to the southwest of the Site as a filling station with USTs is PAOC No. 4. No PAORs were identified associated with adjacent property historical use. Locations of PAOCs are presented on Figure 3.1.

## 1.6 REPORT ORGANIZATION

The remainder of this Phase I ESA is organized as follows:

**PHASE I ESA**

- **Section 2.0 – Environmental Database Search and Historical Records Review** - presents the results of the environmental database searches, public records reviewed, Sanborn map review, aerial photograph review, and Site files reviewed.
- **Section 3.0 – Site Reconnaissance** - presents the results of the Site inspection by issues (i.e. aboveground storage tanks, underground storage tanks, raw material usage, etc.).
- **Section 4.0 – Summary of Recognized Environmental Conditions** - presents a summary of the PAOCs and PAORs identified at the Site.
- **Section 5.0 – Conclusions** - presents the conclusions reached in the Phase I ESA based on the PAOCs and PAORs identified in Section 4.0.
- **Section 6.0 - Certification** - presents certification that this Phase I ESA has been completed according to good commercial and customary practices and in general accordance with ASTM Standard E1527-00.
- **Section 7.0 –References** - presents the sources of information used in the development of this Phase I ESA.

# 2.0 ENVIRONMENTAL DATABASES SEARCH AND HISTORICAL RECORDS SEARCH

## 2.1 ENVIRONMENTAL DATABASES SEARCH

CRA contracted Environmental Data Resources, Inc. (EDR) to conduct a search of federal and state environmental databases. Based on the address of the Site, the database searches were completed to assist in the identification of conditions at the Site and within a one-mile radius distance. A copy of the database search is included as Appendix D. The following databases were searched with the findings as follows:

### 2.1.1 FEDERAL DATABASES

1. National Priority List (NPL) - The NPL is a United States Environmental Protection Agency (USEPA) listing of the nation's worst uncontrolled or abandoned hazardous waste sites. NPL Sites are targeted for possible long-term remedial action under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980. In addition, the NPL Report includes information concerning cleanup agreements between the USEPA and potentially responsible parties, any liens filed against contaminated properties, as well as the past and current USEPA budget expenditures tracked within the Superfund Consolidated Accomplishments Plan (SCAP).

   **FINDING**: According to the databases searched, the Site was not on the NPL. No sites within a one-mile radius of the Site were on the NPL.

2. Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) – The CERCLIS List contains data on potentially hazardous waste sites that may have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the NPL and sites which are in the screening and assessment phase for possible inclusion on the NPL.

   **FINDING**: According to the databases searched, the Site was not on the CERCLIS List. No sites within a half-mile radius of the Site were on the CERCLIS List.

3. No Further Remedial Action Planned Sites Report (NFRAP) – As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. EPA has removed approximately 25,000 CERCLIS sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

   **FINDING**: According to the databases searched, the Site was not listed in the NFRAP Sites Report. One adjacent site was listed in the NFRAP Sites Report, this being the GMC CPC-Pontiac Fiero Assembly located at 900 Baldwin Avenue. No additional sites within a half-mile radius of the Site were listed in the NFRAP Sites Report.

4. Resource Conservation and Recovery Information System (RCRIS) - Non-Corrective Action Treatment, Storage and Disposal (TSD) Facilities Report - The RCRIS-TSD Report contains information regarding these facilities that either treat, store or dispose of USEPA-regulated hazardous waste. The following information also is included in the RCRIS-TS Report: information regarding the status of facilities tracked by the Resource Conservation and Recovery Act (RCRA) Administrative Action Tracking System (RAATS); inspections and evaluations conducted by Federal and State Agencies; all reported facility violations, the environmental statutes violated and any proposed and actual penalties; and a complete listing of USEPA-regulated hazardous wastes which are generated or stored on site.

   **FINDING**: According to the databases searched, the Site was not listed in the RCRIS-TSD Report. One adjacent site was listed in the RCRIS-TSD Report, this being the GMC CPC-Pontiac Fiero Assembly located at 900 Baldwin Avenue. No additional sites within a one-mile radius of the Site were listed in the RCRIS-TSD Report.

5. Resource Conservation and Recovery Act (RCRA) - Corrective Action (CORRACTS) Report - The CORRACTS Report contains information pertaining to hazardous waste treatment, storage and disposal facilities (RCRA TSDs) which have conducted or are currently conducting corrective actions as regulated by

the Resource Conservation and Recovery Act. The following information also is included in the CORRACTS Report: information regarding the status of facilities tracked by the RAATS; inspections and evaluations conducted by Federal and State Agencies; all reported facility violations, the environmental statutes violated and any proposed and actual penalties; information pertaining to corrective actions undertaken by the facility or the USEPA; and a complete listing of USEPA-regulated hazardous wastes which are generated or stored on site.

**FINDING**: According to the databases searched, the Site was not listed in the CORRACTS Report. One adjacent site was listed in the CORRACTS Report, this being the GMC CPC-Pontiac Fiero Assembly located at 900 Baldwin Avenue. No additional sites within a one-mile radius of the Site were listed in the CORRACTS Report.

6. Resource Conservation and Recovery Information System - Large Quantity Generators (RCRIS-LQG) Report - The RCRIS-LQG Report contains information regarding facilities that either generate more than 1,000 kilograms (kg) of USEPA-regulated hazardous waste per month or meet other applicable requirements of RCRA. The following information also is included in the RCRIS-LQG Report: information regarding the status of facilities tracked by the RAATS; inspections and evaluations conducted by Federal and State Agencies; all reported facility violations, the environmental statutes violated and any proposed and actual penalties; information pertaining to corrective actions undertaken by the facility or the USEPA; and a complete listing of USEPA-regulated hazardous wastes which are generated or stored on site.

   **FINDING**: According to the databases searched, the Site was not listed in the RCRIS-LQG Report. One adjacent site was listed in the RCRIS-LQG Report, this being the GMC CPC-Pontiac Fiero Assembly located at 900 Baldwin Avenue. No additional sites within a quarter-mile radius of the Site were listed in the RCRIS-LQG Report.

7. Resource Conservation and Recovery Information System - Small Quantity Generators (RCRIS-SQG) Report - The RCRIS-SQG Report contains information regarding facilities that either generate between 100 kg and 1,000 kg of USEPA-regulated hazardous waste per month or meet other applicable requirements of RCRA. The following information also is included in the RCRIS-SQG Report: information regarding the status of facilities tracked by the RAATS; inspections and evaluations conducted by Federal and State Agencies; all reported facility violations, the environmental statutes violated and any proposed and actual penalties; information pertaining to corrective actions undertaken by the facility

or the USEPA; and a complete listing of USEPA-regulated hazardous wastes which are generated or stored on site.

**FINDING**: According to the databases searched, the Site was not listed in the RCRIS-SQG Report. One adjacent site was listed in the RCRIS-SQG Report, this being PPG Industries Inc. GM Corp. located at 900-B Baldwin Avenue. One other site within a quarter-mile radius of the Site was listed in the RCRIS-SQG Report, this being Vinyl Sash of Pontiac located at 1065 Baldwin Road.

The following sites were listed in the RCRIS-SQG Report, but could not be located with respect to the Site due to incomplete address information:

| *Facility* | *Address* |
|---|---|
| Sunoco Service Station | 4016 Baldwin |
| Shell Oil Co. | 4242 Baldwin/I-75 |
| GMC Pontiac Plant Central Foundry Div | 701 North Glenwood Avenue |
| UPS Pontiac Center | 1056 Oakland |

8. Emergency Response Notification System - ERNS records and stores information on reported releases of oil and hazardous substances.

   **FINDING**: According to the databases searched, the Site was not listed in the ERNS.

9. Toxic Chemical Release Inventory System (TRIS) - The TRIS Database identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

   **FINDING**: According to the databases searched, the Site was not listed in the TRIS Database. No sites within a half-mile radius of the Site were listed in the TRIS Database.

10. Superfund (CERCLA) Consent Decrees List - The Superfund (CERCLA) Consent Decrees List identifies major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. The Superfund (CERCLA) Consent Decree is released periodically by United States District Courts after settlement by parties to litigation matters.

    **FINDING:** According to the databases searched, the Site was not listed in the Superfund (CERCLA) Consent Decrees List. No sites within a half-mile radius of the Site were listed in the Superfund (CERCLA) Consent Decrees List.

11. Record of Decision (ROD) - ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

    **FINDING:** According to the databases searched, the Site was not listed in the ROD database. No sites within a one-mile radius of the Site were listed in the ROD database.

12. Delisted NPL - The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the U.S. 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.

    **FINDING:** According to the databases searched, the Site was not listed on the delisted NPL. No sites within a one-mile radius of the Site were listed on the delisted NPL.

13. Facility Index System (FINDS) - FINDS contains both facility information and "pointers" to other sources that contain more detail. The following FINDS databases are included in this report: CERCLIS; RCRIS; PCS (Permit Compliance System); AIRS (Aerometric Information Retrieval System); FATES (FIFRA and TSCA Enforcement System); FTTS (FIFRA/TSCA Tracking System); DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes, FURS (Federal Underground Injection Control); FRDS (Federal Reporting Data System); SIA (Surface Impoundments); CICS (TSCA Chemicals in Commerce Information System); RCRA-J (medical waste transporters/disposers); and PADS (PCB Activity Data System).

    **FINDING:** According to the databases searched, the Site was not listed in the FINDS. No sites within a half-mile radius of the Site were listed in the FINDS.

    The following sites were listed in the FINDS, but could not be located with respect to the Site due to incomplete address information:

| *Facility* | *Address* |
|---|---|
| Sunoco Service Station | 4016 Baldwin |
| Shell Oil Company | 4242 Baldwin I-75 |
| General Motors Corp. Pontiac Plant | 701 North Glenwood Avenue |
| UPS Pontiac Center | 1056 Oakland |

14. Hazardous Materials Information Reporting System (HMIRS) - The HMIRS contains hazardous material spill incidents reported to the Department of Transportation. The source of this database is the U.S. EPA.

    **FINDING:** According to the databases searched, the Site was not listed in the HMIRS. No sites within a half-mile radius of the Site were listed in the HMIRS.

15. Material Licensing Tracking System (MLTS) - The MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements.

    **FINDING:** According to the databases searched, the Site was not listed in the MLTS. No sites within a half-mile radius of the Site were listed in the MLTS.

16. Mines Master Index File (MINES) - The MINES is maintained by the Department of Labor, Mine Safety and Health Administration.

    **FINDING:** According to the databases searched, the Site was not listed in the MINES. No sites within a half-mile radius of the Site were listed in the MINES.

17. NPL Liens - Under the authority granted the U.S. EPA by CERCLA of 1980, the U.S. EPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. U.S. EPA compiles a listing of filed notices of Superfund Liens.

    **FINDING:** According to the databases searched, the Site was not listed in the NPL Liens. No sites within a one-mile radius of the Site were listed in the NPL Liens.

18. PCB Activity System (PADS) - PADS identifies generators, transporters, commercial stores and/or brokers and disposers of PCBs who are required to notify the U.S. EPA of such activities.

    **FINDING:** According to the databases searched, the Site was not listed in the PADS. No sites within a half-mile radius of the Site were listed in the PADS.

    One site was listed in the PADs, but could not be located with respect to the Site due to incomplete address information, this being General Motors Corporation Pontiac Plant Central Foundry Division located at 701 North Glenwood Avenue.

19. RCRA Administrative Action Tracking System (RAATS) - RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the U.S. EPA.

For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. The U.S. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

**FINDING:** According to the databases searched, the Site was not listed in the RAATS. No additional sites within a half-mile radius of the Site were listed in the RAATS.

20. Toxic Substances Control Act (TSCA) List – The TSCA List identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

    **FINDING:** According to the databases searched, the Site was not listed on the TSCA List. No sites within a half-mile radius of the Site were listed in the TSCA List.

21. FIFRA/TSCA Tracking System (FTTS) – FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act) over the previous five years.

    **FINDING:** According to the databases searched, the Site was not listed in the FTTS. No sites within a half-mile radius of the Site were listed in the FTTS.

    One site was listed in the FTTS, but could not be located due to incomplete address information, this being GM Pontiac Foundry at One Pontiac Plaza

### 2.1.2 STATE DATABASES

1. Underground Storage Tank (UST) Database – USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program.

   **FINDING**: According to the databases searched, the Site was not listed in the UST Database. One adjacent site was listed in the UST Database, this being GMC CPC-Pontiac Fiero Plant located at 900 Baldwin Avenue, which was reported as having two removed 8,000-gallon "hazardous substance" USTs; one removed 10,000-gallon "hazardous substance" UST; and one removed 1,000-gallon UST with unknown contents. No additional sites within a quarter-mile radius of the Site were listed in the UST Database.

2. Leaking Underground Storage Tank Sites (LUST) Report - The LUST Report contains an inventory of reported leaking underground storage tank incidents.

   **FINDING**: According to the databases searched, the Site was not listed in the LUST Report. No adjacent sites were listed in the LUST Report. The following sites within a half-mile radius of the Site were listed in the LUST Report:

| *Facility* | *Address* | *Status* |
|---|---|---|
| Adlers Service Inc. | 1196 Baldwin Ave. | Open |
| Baldwin Mini Mart Inc. | 720 Baldwin Ave. | Open |
| U Hauls 754-67 | 30 E. Montcalm | Open |
| Vacant Lots 288 & 289 | 120 E. Montcalm | Open |

3. Solid Waste Facility List - The Solid Waste Facility List contains an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

   **FINDING**: According to the databases searched, the Site was not on the Solid Waste Facility List. No sites within a half-mile radius of the Site were on the Solid Waste Facility List.

4. State Hazardous Waste Sites List – State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS List. Priority sites planned for cleanup using state funds are identified along with sites where cleanup will be paid for by the potentially responsible parties.

   **FINDING**: According to the databases searched, the Site was not on the State Hazardous Waste Sites List. The following sites within a one-mile radius of the Site were on the State Hazardous Waste Sites List:

| *Facility* | *Address* |
|---|---|
| Michigan Dust Control Inc. | 56 E. Lehigh |
| Grand Trunk R.R. Ojista Road | 655 Ojista Road |

   The following sites were listed on the State Hazardous Waste Sites List, but could not be located with respect to the Site due to incomplete address information:

| *Facility* | *Address* |
|---|---|
| Lake Angelus at Baldwin Rd. Drums | Lake Angelus E. of Baldwin Rd. |
| Kennett Rd. LF | Kennett Road |

| | |
|---|---|
| Upland & Joslyn Road Fill | Upland Road |

5. Baseline Environmental Assessment Database (BEA) – This database is maintained by the MDEQ.

   **FINDING:** According to the databases searched, the Site was not listed in the BEA Database. No sites within a half-mile radius of the Site were listed in the BEA Database.

   The following sites were listed in the BEA Database, but could not be located with respect to the Site due to incomplete address information:

| *Facility* | *Address* |
|---|---|
| Kaltar Corporation – 1st Petitioner | Address Unknown |
| Pontiac Holdings, LLC | 25-acre Vacant Property |
| Baldwin Square, LLC | 1245-1255 Baldwin Avenue |
| City of Pontiac | Vacant 9-acre Property |

6. State NPL Sites List – State NPL site records are the states' equivalent to the Federal NPL.

   **FINDING**: The State of Michigan does not maintain a State NPL Sites List.

Based on the review of the environmental database search results, the listing of the adjacent former Fiero Plant on the CERCLIS-NFRAP Report, CORRACTS Report, RCRIS-TSD Report, RCRIS-LQG Report, and UST Report, the current RCRA CA status, and the potential for impacted storm sewer sediments is PAOC No. 3. No PAORs were identified associated with the Site or surrounding properties.

## 2.2 PUBLIC RECORD REVIEW RESULTS

Public records reviewed during this Phase I ESA include those presented in Section 2.1, which were reviewed during the environmental database search; the City of Pontiac zoning map, as presented in Section 1.4.6; Sanborn maps, as presented in Section 2.3.1; historical aerial photographs as presented in Section 2.3.3; topographic maps, as presented in Section 2.3.4; and the NWIM, as presented in Section 1.4.5. Additionally, local representatives were contacted as presented in the subsections below.

### 2.2.1 U.S. EPA

The U.S. EPA was not contacted during this Phase I ESA. No information reviewed in the environmental database search, historical records review, or during the on-Site records review warranted contacting the U.S. EPA for additional information regarding the Site.

### 2.2.2 STATE AGENCY

The MDEQ was not contacted during this Phase I ESA. No information reviewed in the environmental database search, historical records review, or during the on-Site records review warranted contacting the MDEQ for additional information regarding the Site.

### 2.2.3 LOCAL MUNICIPALITY

The City of Pontiac zoning map was reviewed at the local municipality (see Section 1.4.6). A portion of the local zoning map is presented in Appendix B.

Historical aerial photographs were also obtained and reviewed from the Oakland County Planning and Economic Development Services (see Section 2.3.3).

## 2.3 HISTORICAL RECORDS REVIEW

### 2.3.1 SANBORN FIRE INSURANCE MAPS

Sanborn Fire Insurance Maps assist in the identification of historic land use and commonly indicate the existence and location of aboveground and underground storage tanks, structures, improvements and facility operations. Sanborn maps were reported to be available for the Site and portions of the surrounding properties and were reviewed by CRA for the years 1924, 1950, and 1970. Copies of available Sanborn maps are provided in Appendix E.

The 1924 Sanborn map does not cover the Site; however, it identifies a filling station and one gasoline tank on the adjacent property to the southwest of the Site. It should be noted that the entirety of this property was not presented on the Sanborn map. Baldwin Avenue and Kennett Road are present. The General Motors Corporation – Fisher Body

Corporation – Pontiac Division plant is identified to the east of the Site and identified to be the manufacturer of closed bodies for Oakland Motor Cars.

The 1950 Sanborn map identifies the eastern portion of the Site. The Universal Oil Seal Co. is identified on the southern portion of the Site, including: a machine shop, with eight potential USTs. Additionally, one of the commercial structures on the southern portion of the Site is identified as auto service. West Tennyson Avenue, West Mansfield Avenue, and St. Louis Avenue are present on the Sanborn map. Several stores/restaurants are present on the eastern portion of the Site, along Baldwin Avenue. The remainder of the Site, presented on the Sanborn, does not have any identified structures. The General Motors Corporation – Fisher Body Corporation – Pontiac Division plant has expanded.

The 1970 Sanborn map identifies the Site as essentially unchanged from the 1950 Sanborn map, with the exception that an addition to the Universal Oil Seal Co. building has been constructed. The surrounding properties appear essentially unchanged from the 1950 Sanborn map.

Based on the review of available Sanborn maps, the former industrial operations and the potential USTs associated with those operations is PAOC No. 1 and the former filling station and the gasoline tanks identified on that property are PAOC No. 3. No PAORs were identified associated with the review of Sanborn maps for the Site and adjoining properties. Locations of PAOCs are presented on Figure 3.1.

### 2.3.2 PROPERTY TITLE SEARCH

A historical property title search was not conducted during this Phase I ESA.

### 2.3.3 AERIAL PHOTOGRAPHS

Aerial photographs were reviewed to document the general development of the Site and properties in the vicinity of the Site and to identify potential on-Site solid waste disposal areas, fill areas, and any other suspect activities or developments. Aerial photographs of the Site and surrounding areas were obtained for the years 1940, 1949, 1957, 1963, 1964, 1966, 1970, 1972, 1974, 1975, 1980, 1985, 1990, 1995, 1997, 2000, and 2002 from the Oakland County Planning and Economic Development Services, the Southeast Michigan Counsel of Governments (SEMCOG)(some aerials obtained through SEMCOG include

former Detroit Edison aerials), and Michigan State University. Copies of aerial photographs are presented in Appendix F.

The 1940 aerial photograph was reviewed at an unknown scale and depicts the northern portion of the Site as having some residential type development. Mansfield Avenue and St. Louis Avenue are present in the central portion of the Site. An industrial/commercial type structure is located along the southern property boundary. Commercial type structures appear to be present on the eastern portion of the Site and adjacent to the Site, at the corner of Baldwin Avenue and West Kennett Road. Hollywood Avenue is present to the west of the Site, Baldwin Avenue is present to the east of the Site, West Tennyson Avenue is located to the north of the Site, and West Kennett Road is present to the south of the Site. The former Fiero Plant is present to the east of the Site. The adjacent and surrounding properties to the north, south, and west consist of residential/commercial or vacant properties.

The 1949 aerial photograph was reviewed at a scale of one inch equals 600 feet and depicts the central portion of the Site as being utilized as a parking lot. The remainder of the Site and surrounding properties appear essentially unchanged from the 1940 aerial photograph, with the exception of some additional development.

The 1957 aerial photograph was reviewed at a scale of one inch equals 600 feet and depicts the majority of the northern portion of the Site as being utilized as a parking lot, with the exception of two residential structures and several commercial structures along Baldwin Avenue. An addition has been constructed on the industrial building on the southern portion of the Site. The remainder of the Site and surrounding properties appear essentially unchanged from the 1949 aerial photograph.

The 1963 aerial photograph was reviewed at a scale of one inch equals 150 feet and depicts the majority of the northern portion of the Site as being utilized as a parking lot, with the exception of two residential structures and several commercial structures along Baldwin Avenue. Mansfield Avenue and St. Louis Avenue are identified as being vacated. The remainder of the Site and surrounding properties appear essentially unchanged from the 1957 aerial photograph.

The 1964 aerial photograph was reviewed at an unknown scale and depicts the Site and surrounding properties as essentially unchanged from the 1963 aerial photograph.

The 1966 aerial photograph was reviewed at a scale of one inch equals 600 feet and depicts the Site and surrounding properties as essentially unchanged from the 1964

aerial photograph, with the exception that the two residential structures and some of the commercial structures located on the northern portion of the Site have been removed.

The 1970 aerial photograph was reviewed at a scale of one inch equals 1,000 feet and depicts the Site and surrounding properties as essentially unchanged from the 1966 aerial photograph.

The 1972 aerial photograph was reviewed at an unknown scale and depicts the Site and surrounding properties as essentially unchanged from the 1970 aerial photograph.

The 1974 aerial photograph was reviewed at a scale of one inch equals 150 feet and depicts the Site and surrounding properties as essentially unchanged from the 1972 aerial photograph.

The 1975 aerial photograph was reviewed at a scale of one inch equals 1,000 feet and depicts the Site and surrounding properties as essentially unchanged from the 1974 aerial photograph, with the exception of some additions to the former Fiero Plant.

The 1980 aerial photograph was reviewed at a scale of one inch equals 150 feet and depicts the Site with no structures. The majority of the Site is being utilized as a parking lot, with the exception of the southwest corner, which is undeveloped. The adjoining and surrounding properties appear essentially unchanged from the 1975 aerial photograph.

The 1985 aerial photograph was reviewed at a scale of one inch equals 1,000 feet and depicts the Site and surrounding properties as essentially unchanged from the 1980 aerial photograph, with the exception that a larger portion of the southern part of the Site is vacant and unused.

The 1990 aerial photograph was reviewed at a scale of one inch equals 150 feet and depicts the Site essentially as it is today. The southern portion of the Site is vacant grassy land. The northern portion is a paved parking lot; unutilized in the aerial. The surrounding properties appear essentially unchanged from the 1985 aerial photograph.

The 1995 aerial photograph was reviewed at a scale of one inch equals 1,000 feet and depicts the Site and surrounding properties as essentially unchanged from the 1990 aerial photograph.

The 1997 aerial photograph was reviewed at a scale of one inch equals 150 feet and depicts the Site and surrounding properties as essentially unchanged from the 1995 aerial photograph.

The 2000 aerial photograph was reviewed at a scale of one inch equals 150 feet and depicts the Site and surrounding properties asessentially unchanged from the 1997 aerial photograph, with the exception that the overhead walkway to the plant from the parking lot has been removed.

The 2002 aerial photograph was reviewed at a scale of one inch equals 150 feet and depicts the Site and surrounding properties as essentially unchanged from the 2000 aerial photograph.

Based on the review of available aerial photographs, no PAOCs or PAORs were identified associated with the Site and adjoining properties.

### 2.3.4 HISTORICAL TOPOGRAPHIC MAPS

Historical topographic maps were reviewed to assist in the identification of historic land use, to document the general development of the Site and properties in the vicinity of the Site, and to identify potential on-Site fill activities. The 1943, 1952, 1968, 1973, 1983, and 1997 historical topographic maps were obtained from EDR and were reviewed by CRA. All topographic maps were reviewed at a scale of one inch equals 2,000 feet. Copies of available historical topographic maps are presented in Appendix G.

On the 1943 topographic map, one industrial/commercial structure is located on the southern portion of the Site. Baldwin Avenue, Hollywood Avenue, West Tennyson Avenue, St. Louis Avenue, Mansfield Avenue, and West Kennett Road are present. The former Fiero Plant is present to the east of the Site. Two low-lying areas and an intermittent stream are present to the west of the Site. No other structures are identified in the vicinity of the Site; however, due to the density of residences as they compare to the scale of the topographic map, this does not preclude the potential presence of structures in the vicinity or on the Site.

On the 1952 topographic map, the Site and surrounding properties appear essentially unchanged from the 1943 topographic map; however, the Site is identified as residential/commercial.

On the 1968 topographic map, the industrial/commercial structure formerly located on the southern portion of the Site is no longer identified. The low-lying areas and intermittent stream are no longer present, and this area appears to have been developed for residential use. Additional industrial structures have been constructed to the east of the Site.

On the 1968 topographic map that was photorevised in 1973, the Site and surrounding properties appear essentially unchanged from the 1968 topographic map, with the exception of some additions to the industrial structures to the east.

On the 1968 topographic map that was photorevised in 1983, the Site and surrounding properties appear essentially unchanged from the 1973 topographic map, with the exception that the Site is identified as vacant.

On the 1997 topographic map, the Site and surrounding properties appear essentially unchanged from the 1983 (photorevised from the 1968 topographic map) topographic map.

Based on the review of available historical topographic maps, no PAOCs or PAORs were identified associated with the Site and adjoining properties.

## 2.4 SITE FILES

According to individuals associated with the Site, no files regarding the environmental condition of the Site exist. CRA reviewed the text of a previous Phase I ESA, prepared by CRA and dated September 1998.

### 2.4.1 FILES

According to individuals associated with the Site, no files regarding the environmental condition of the Site exist.

### 2.4.2 VARIOUS CORRESPONDENCE /OTHER DOCUMENTATION

CRA reviewed the text of a previous Phase I ESA, prepared by CRA and dated September 1998. No PAOCs or PAORs were identified during the preparation of that

report; however, no Sanborn maps were reported to be available during the development of the previous Phase I ESA. Information presented in that report was reviewed and is summarized as applicable throughout this report.

### 2.4.3 DRAWINGS

No drawings were reviewed during the development of this Phase I ESA.

### 2.4.4 PERMITS

According to individuals associated with the Site, no environmental permits are currently maintained by the Site. The Site is comprised of a parking area and a vacant grassy area that do not require any permits.

## 3.0 SITE RECONNAISSANCE

The Site inspection was performed by Ms. Jennifer Quigley of CRA on August 18, 2004. The Site inspection included an inspection of the Site and surrounding properties, discussions with various individuals associated with the Site, and a review of available documentation associated with the Site. Site photographs were taken during the Site inspection and are presented in Appendix H.

## 3.1 SPECIAL PROCESSES AND EQUIPMENT

Based on discussions with individuals associated with the Site, observations made during the Site inspection and review of available information, there are currently no special processes or equipment associated with the Site.

Based on the review of available Sanborn maps, the southern portion of the Site, was utilized by B & K Garage and Duke & Harry's Garage (automobile repair services), Pontiac Transportation Co., and Universal Oil-Seal Co. Inc. (manufacturer of oil seals). Based on the review of Sanborn maps, Universal Oil-Seal Co. Inc. was present on the Site on the 1950 and 1970 Sanborn maps, with an automobile service structure. Universal Oil-Seal Co. Inc. was identified as a machine shop on the Sanborn maps. No information regarding the historical special processes and equipment utilized during these operations was available.

Based on the information reviewed during the Phase I ESA, the historical Site use on the southern portion of the Site is PAOC No. 1. No PAORs were identified associated with special processes and equipment. Locations of PAOCs are presented on Figure 3.1.

## 3.2 UTILITY SERVICES

According to individuals associated with the Site, no utility services are currently provided to the Site, with the exception of storm sewer service.

According to individuals associated with the Site, electricity in the vicinity of the Site is provided by the former Fiero Plant via belowground lines. Individuals associated with the Site indicated that all electrical lines to the Site had been disconnected, including the lines leading to parking lot overhead lighting. Natural gas in the vicinity of the Site is provided by MichCon.

Potable water is supplied in the vicinity of the Site by the City of Pontiac. According to individuals associated with the Site and based on observations during the Site inspection, no water supply wells are currently present at the Site.

No sanitary wastewater is generated at the Site. According to individuals associated with the Site, there are no on-Site septic systems and no evidence of a septic system was observed by CRA during the Site inspection; however, former septic system use at the previous structures could not be confirmed.

Stormwater generated at the Site flows via sheetflow to on-Site catch basins that discharge to the City of Pontiac storm sewer system or infiltrates undeveloped Site surfaces.

Based on the information reviewed during the Phase I ESA, there are no PAOCs or PAORs associated with utility services.

## 3.3 UNDERGROUND STORAGE TANKS (USTs)

Individuals associated with the Site were unaware of any current USTs operated at the Site. CRA did not observe any physical evidence (e.g., vent pipes, fill ports, etc.) of USTs during the Site inspection. No information regarding historical heating oil UST use at former individual residences or commercial properties was available. The Site was not listed in the UST or LUST databases as having USTs or releases therefrom.

Based on the review of Sanborn maps, Universal Oil-Seal Co. Inc. was present on the southern portion of the Site on the 1950 and 1970 Sanborn maps, with an automobile service structure and as a machine shop. On the 1950 Sanborn map, eight potential underground storage tanks (USTs) were present in the central portion of the building. No information regarding potential UST use at the other former operations was available.

Based on the information reviewed during the Phase I ESA, the historical Site use on the southern portion, and the potential of USTs therefrom, of the Site is PAOC No. 1. No PAORs were identified associated with USTs. Locations of PAOCs are presented on Figure 3.1.

## 3.4 ABOVE GROUND STORAGE TANKS (ASTs)

According to individuals associated with the Site and available information, no ASTs are currently present or have historically existed at the Site. No evidence of any current or historic ASTs (e.g., foundations, pipes, etc.) was observed by CRA personnel during the Site inspection. No information regarding historical heating oil AST use at former individual residences or commercial properties was available.

Based on the information reviewed during the Phase I ESA, there are no PAOCs or PAORs associated with ASTs.

## 3.5 RAW MATERIAL USAGE AND STORAGE

According to individuals associated with the Site and based on observations made during the Site inspection, there is currently no use or storage of raw materials on Site.

There are no agricultural chemicals stored on Site. The Site may have been historically utilized as agricultural land. Agricultural chemicals, such as fertilizers, herbicides, and pesticides may have been used if the Site was cultivated farmland. The types of chemicals used, storage methodology, and the application rates could not be determined. However, if chemicals were applied in accordance with manufacturer specifications, residuals remaining in Site soils should not be a concern based on current Site use.

Based on the information reviewed during the Phase I ESA, there are no PAOCs or PAORs associated with raw material use and storage.

## 3.6 SOLID WASTE HANDLING/STORAGE AND DISPOSAL

According to individuals associated with the Site and based on observations made during the Site inspection, no solid waste is currently handled, stored, or disposed of at the Site.

According to Site personnel, no on-Site disposal of solid non-hazardous waste has occurred at the Site. No evidence of the on-Site disposal of solid non-hazardous waste was observed by CRA during the Site inspection. No information regarding the

potential use of demolition debris as backfill material during demolition of former structures was available.

Based on the information reviewed during the Phase I ESA, the historical use of demolition debris as backfill material is PAOC No. 2. No PAORs were identified associated with solid waste handling/storage and disposal. Locations of PAOCs are presented on Figure 3.1.

## 3.7 HAZARDOUS WASTE HANDLING/STORAGE AND DISPOSAL

According to individuals associated with the Site and based on observations made during the Site inspection, no hazardous waste is currently handled, stored, or disposed at the Site. The Site is not listed in the environmental database search results as a hazardous waste generator, or treatment, storage, or disposal facility, or as the subject of a RCRA corrective action.

According to Site personnel, no on-Site disposal of hazardous waste has occurred at the Site. No evidence of the on-Site disposal of hazardous waste was observed by CRA during the Site inspection.

Based on the information reviewed during the Phase I ESA, there are no PAOCs or PAORs associated with hazardous waste handling/storage and disposal.

## 3.8 POLYCHLORINATED BIPHENYLS (PCBs)

According to individuals associated with the Site, and based on observations made during the Site inspection and review of available information, there are currently and were historically no transformers (including pole-mounted), capacitors, ballasts, or other fluid containing equipment present at the Site.

Based on the information reviewed during the Phase I ESA, there are no PAOCs or PAORs associated with PCBs.

## 3.9 ASBESTOS CONTAINING MATERIAL (ACM)

An ACM survey was not conducted as part of this Phase I ESA.

The Site is vacant and no structures are located at the Site. CRA did not observe any physical evidence of ACM during the Site inspection. No information regarding the potential presence of ACM use at former individual residences or commercial properties was available. No information regarding the demolition procedures of the former structures was available.

Based on the information reviewed during the Phase I ESA, there are no PAOCs or PAORs associated with ACM.

## 3.10 INDUSTRIAL WASTEWATER/SANITARY SEWERS

According to individuals associated with the Site, and based on observations made during the Site inspection and review of available information, there is currently no industrial or sanitary wastewater generated at the Site.

Based on the review of available documentation, no industrial process lines are currently or were historically present at the Site.

Based on the review of available documentation and discussions with individuals associated with the Site, sanitary sewer lines are present beneath the vacated and existing streets that traverse the Site. The Site does not discharge to these sanitary sewer lines. These lines discharge to the City of Pontiac Publicly Owned Treatment Works (POTW).

No information regarding historical industrial/commercial or domestic sanitary wastewater discharges was available, including information regarding the potential presence of historical septic systems.

Based on the information reviewed during the Phase I ESA, there are no PAOCs or PAORs associated with industrial wastewater/sanitary sewer system.

## 3.11 STORMWATER

Stormwater generated at the Site consists of precipitation run-off from Site surfaces. The majority of stormwater runoff from Site surfaces flows via sheet flow into on-Site catch basins or infiltrates undeveloped Site surfaces.

Based on the review of available documentation, stormwater from the former Fiero Plant, potentially containing elevated concentrations of metals, may have been historically discharged to a stormwater sewer system that passes through the Site. The elevated metals concentrations were attributed to the deterioration of the roof stormwater collection systems at the Fiero Plant. Stormwater was monitored for several years during the 1980s and no impacts to on-Site or off-Site soil or sediments were identified; however, individuals associated with the Site indicated that impacted sediments were identified in the storm sewers at the former Fiero Plant, and no information was available regarding the connection of the Site to those sewer lines..

Based on information reviewed during this Phase I ESA, the potential impact to the Site from the historical storm sewer discharges from the former Fiero Plant is PAOC No. 3. No PAORs were identified associated with stormwater. Locations of PAOCs are presented on Figure 3.1.

## 3.12 AIR EMISSIONS

According to individuals associated with the Site and based on observations made during the Site inspection, the Site currently has no air emissions sources.

Based on the information reviewed during the Phase I ESA, there are no PAOCs or PAORs associated with air emissions.

## 3.13 IONIZING RADIATION

No commercial sources of ionizing radiation (e.g., fill level controllers) were observed by CRA personnel during the Site inspection.

The U.S. EPA has determined that Oakland County has a predicted average indoor screening level for radon gas of between 2 pCi/L and 4 pCi/L. The residential screening level recommended by the U.S. EPA is 4 pCi/L. The Site does not have any structures and, therefore, no belowgrade structures or basements.

Based on the information reviewed during the Phase I ESA, there are no PAOCs or PAORs associated with ionizing radiation.

## 3.14 PERMITS

According to individuals associated with the Site and information reviewed, the Site currently does not maintain any permits.

Based on the information reviewed during the Phase I ESA, there are no PAOCs or PAORs associated with permits.

## 3.15 SPILL REPORTS/RELEASES

According to individuals associated with the Site and based on information reviewed, there have not been any reportable spills/releases at the Site. CRA did not observe any significant staining at the Site. Small areas of staining on the concrete and asphalt surfaces, attributable to former parked vehicles, were observed at various locations across the Site. The Site was not listed on the ERNS.

Based on information reviewed during the Phase I ESA, there are no PAOCs or PAORs associated with spill reports/releases.

## 3.16 EMPLOYEE RIGHT TO KNOW (ERTK)/HEALTH AND SAFETY

No hazardous substances or maintenance products are used or stored at the Site. The Site is vacant and ERTK/Health and Safety issues are not applicable.

Based on the information reviewed during the Phase I ESA, no PAOCs or PAORs were identified associated with ERTK/health and safety.

## 3.17 SARA TITLE III – EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT (EPCRA)

The Site has not made any notifications under Sections 311, 312, or 313 of EPCRA. No chemicals were identified at the Site; therefore, the Site is not subject to reporting pursuant to EPCRA.

Based on the information reviewed during the Phase I ESA, no PAOCs or PAORs were identified associated with EPCRA.

## 3.18 WELLS

According to individuals associated with the Site and based on information reviewed, there are no water supply wells, dry wells, or monitoring wells at the Site. No information was available regarding historical water supply wells potentially utilized at the former residential, commercial, or industrial properties located at the Site.

Based on information reviewed during the Phase I ESA, no PAOCs or PAORs were identified associated with wells.

# 4.0 SUMMARY OF ENVIRONMENTAL CONDITIONS

## 4.1 PAOCS

Based on the Phase I Environmental Site Assessment, including the Site inspection, information provided by individuals associated with the Site, documents reviewed, and the environmental database searches, the following PAOCs were identified at the Site:

1. **Historical Site Use – Southern Portion:** Based on the review of available documentation, the southern portion of the Site, was utilized by B & K Garage and Duke & Harry's Garage (automobile repair services), Pontiac Transportation Co., and Universal Oil-Seal Co. Inc. (manufacturer of oil seals). Based on the review of Sanborn maps, Universal Oil-Seal Co. Inc. was present on the Site on the 1950 and 1970 Sanborn maps, with an automobile service structure. Universal Oil-Seal Co. Inc. was identified as a machine shop on the Sanborn maps. On the 1950 Sanborn map, eight potential USTs were present in the central portion of the building.

2. **Historical Site Use – Northern Portion:** Based on the review of available aerial photographs, topographic maps, and Sanborn maps, the northern portion of the Site was developed at varying times between 1937 and 1974. Prior to development as a parking area, the northern portion of the Site was reportedly utilized for residential or agricultural purposes. No information regarding historical use of heating oil USTs or ASTs, or property demolition procedures and use of demolition debris as fill material was available to CRA.

3. **Adjacent Property – Former Fiero Plant:** Based on the review of available documentation, the adjacent property to the east of the Site, the former Fiero Plant is listed in the RCRIS-TSD Report, CORRACTS Report, CERCLIS-NFRAP Report, and RCRIS-LQG Report. Based on discussions with individuals associated with the Site and former Fiero Plant, the Plant is part of the Pontiac North Campus, which is currently in the RFI phase of RCRA CA. Additionally, the storm sewers at the former Fiero Plant are being investigated due to impacted sediments. No information regarding if these sewers connect to the storm sewers that traverse the Site.

4. **Adjacent Property – Filling Station:** Based on the review of available Sanborn maps, the adjacent property at the corner of Baldwin Avenue and West Kennett Road to the southwest of the Site, currently Ventura Lounge and Grill, was a

filling station on the 1924 and 1950 Sanborn maps. Three USTs were identified at the filling station. No information regarding the removal and closure of the USTs was available.

## 4.2 PAORS

Based on the Phase I Environmental Site Assessment, including the Site inspection, information provided by Individuals associated with the Site, documents reviewed, and the environmental database searches, no PAORs were identified at the Site.

## 4.3 ADDITIONAL POTENTIAL ENVIRONMENTAL ISSUES

Based on the Phase I Environmental Site Assessment, including the Site inspection, information provided by Individuals associated with the Site, documents reviewed, and the environmental database searches, no other potential environmental issues were identified at the Site.

## 5.0 CONCLUSIONS

A Phase I ESA was conducted for the former Fiero Plant Parking Lot in Pontiac, Michigan. The Phase I ESA identified the following 4 PAOCs, as presented in Section 4.0. No PAORs or other environmental issues were identified.

PAOCs

1. Historical Site Use – Northern Portion
2. Historical Site Use – Southern Portion
3. Adjacent Property – Former Fiero Plant
4. Adjacent Property – Filling Station

## 6.0 CERTIFICATION

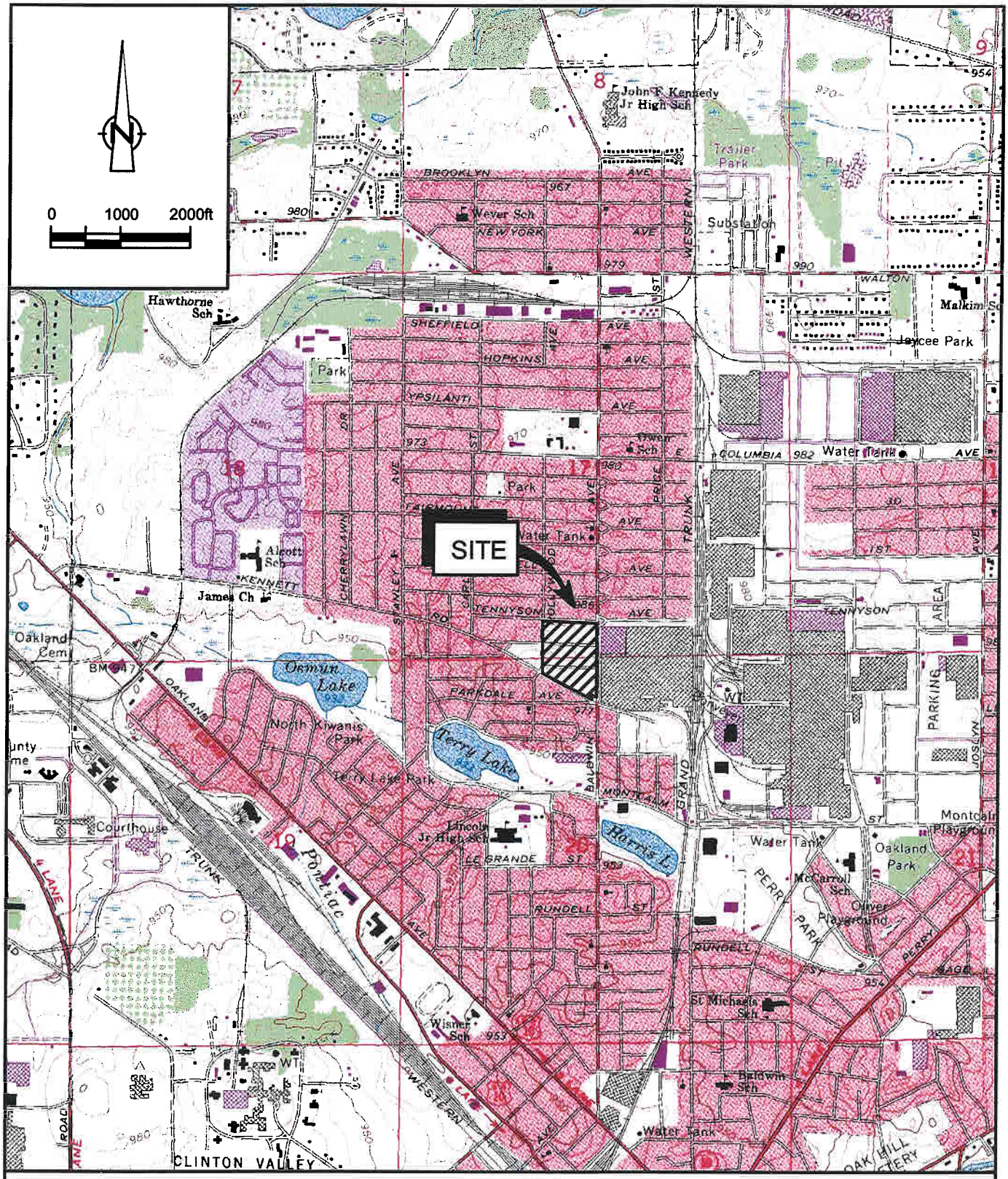
We certify that this Phase I ESA has been completed in accordance with good commercial and customary practices in accordance with GM specifications and in general accordance with the ASTM Standard E1527-00 for conducting environmental assessments.

Jennifer L. Quigley

Brian C. Boevers

## 7.0 REFERENCES


- ASTM Standard E1527-00, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.




SOURCE: USGS QUADRANGLE MAP;
NORTH PONTIAC, MICHIGAN

figure 1.1

SITE LOCATION
FORMER FIERO PLANT PARKING LOT
*Pontiac, Michigan*

37082-00(001)GN-DE001 AUG 30/2004

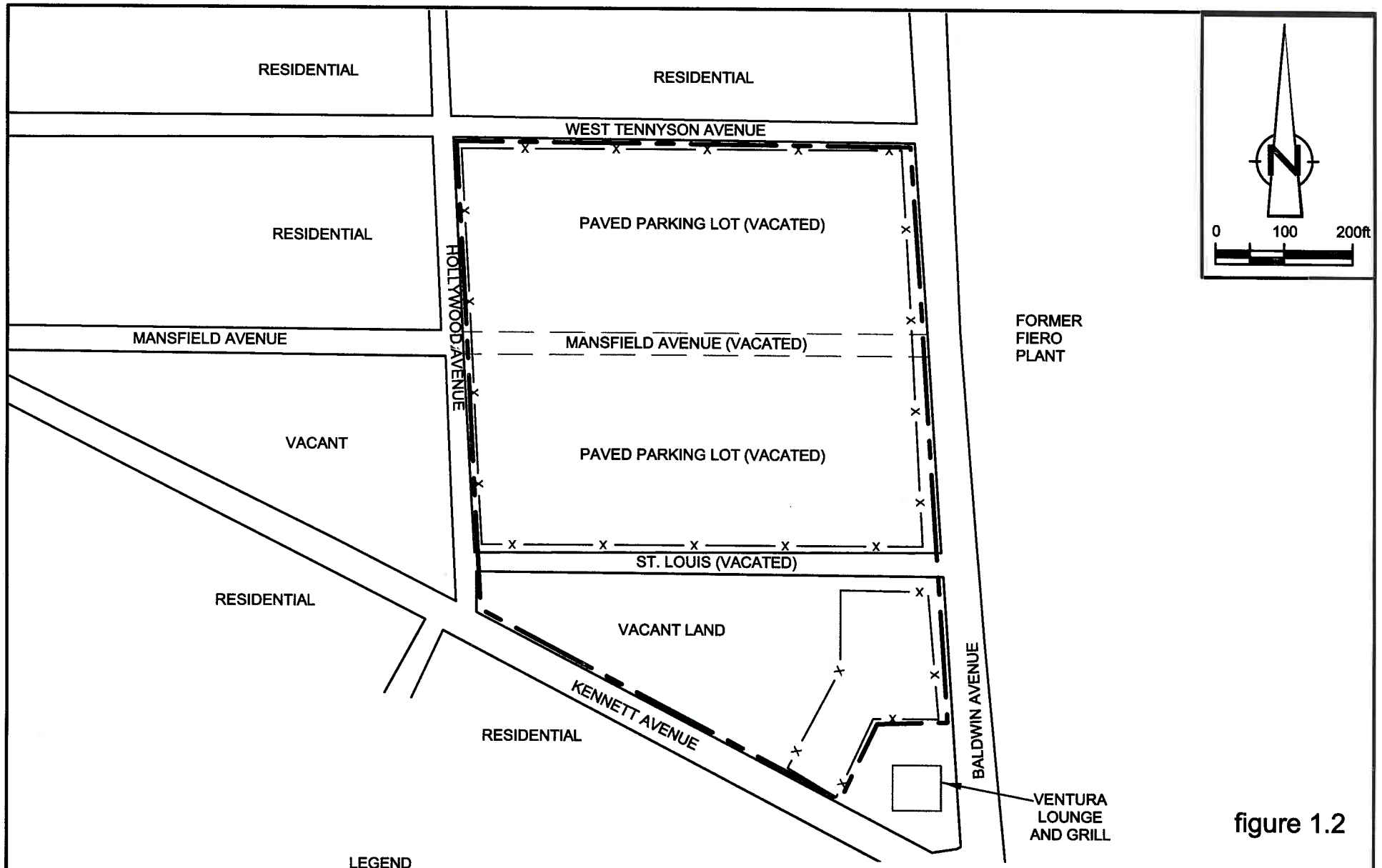



figure 1.2

SITE PLAN
FORMER FIERO PLANT PARKING LOT
*Pontiac, Michigan*

37082-00(001)GN-DE002 AUG 30/2004

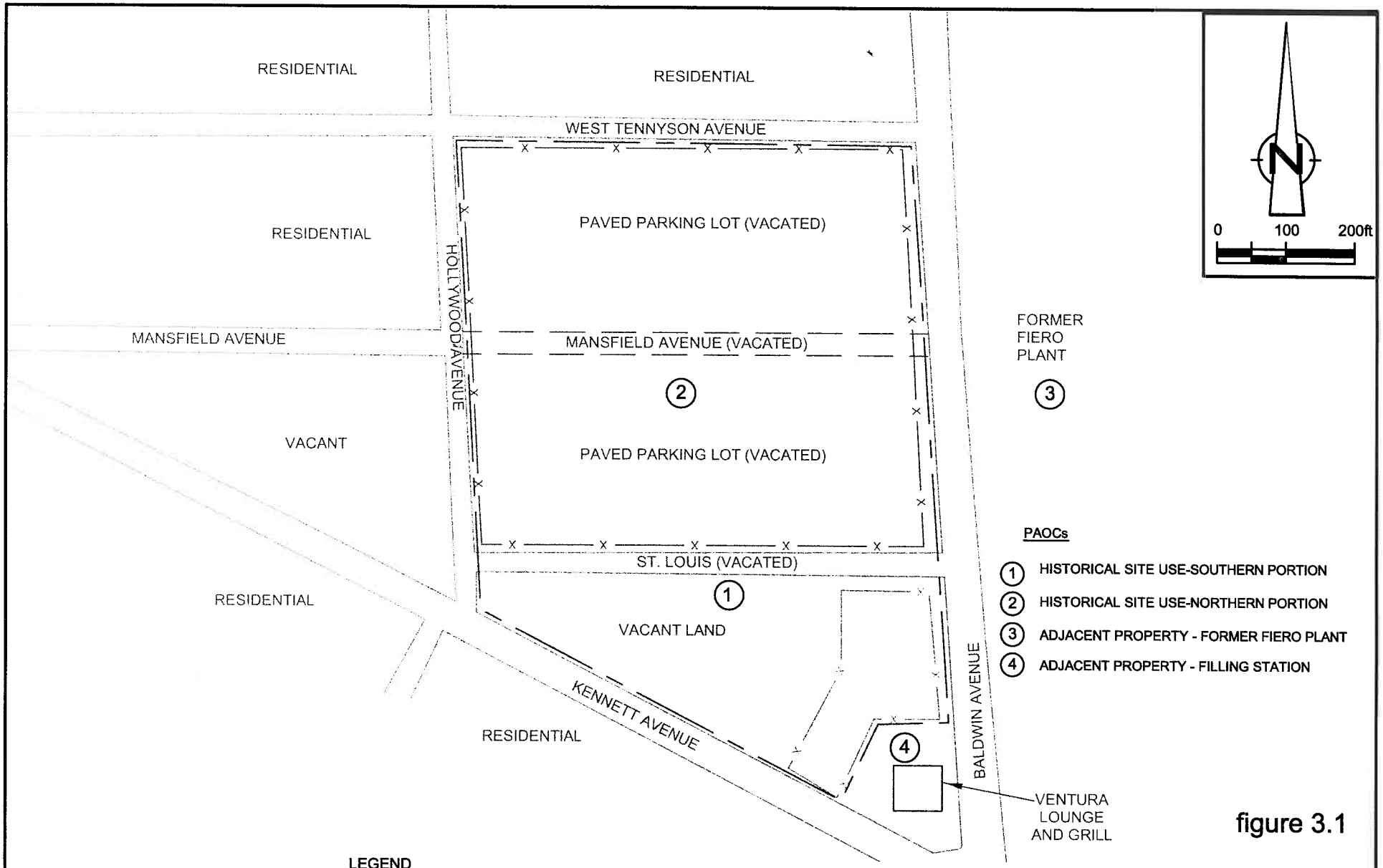



figure 3.1

# LOCATIONS OF PAOCs
# FORMER FIERO PLANT PARKING LOT
*Pontiac, Michigan*

37082-00(001)GN-DE009 AUG 30/2004

# APPENDIX A

# ASSESSOR'S QUALIFICATIONS

# BRIAN C. BOEVERS, B.S., M.B.A.

## EDUCATION

| | |
|---|---|
| B.S. | St. John's University, Collegeville, Minnesota, 1977, Cum Laude |
| M.B.A. | College of St. Thomas, St. Paul, Minnesota, 1986 |

## EMPLOYMENT

| | |
|---|---|
| 1995 - Present | Principal, Minnesota Branch Manager<br>Conestoga-Rovers & Associates |
| 1993-95 | Associate, Minnesota Branch Manager<br>Conestoga-Rovers & Associates |
| 1988-92 | Project Manager, Minnesota Branch Manager, Conestoga-Rovers & Associates |
| 1985-88 | Remedial Project Manager, Honeywell Defense Systems Group |
| 1983-85 | Senior Environmental Engineer, Honeywell Defense Systems Division |
| 1981-83 | Environmental Engineer, Honeywell Defense Systems Division |
| 1979-81 | Project Manager, U.S. Army Toxic and Hazardous Materials Agency |
| 1978-79 | Chemical Staff Officer, Department of the Army, Project Manager for Chemical Demilitarization and Installation Restoration |
| 1977-78 | Ordnance Officer, Munitions Materiel Management, U.S. Army |

## PROFILE OF PROFESSIONAL ACTIVITIES

***Remedial Investigations/Site Investigations/RCRA Facility Investigations and Feasibility Studies***

- Served as Project Manager for all aspects from work plan development through final report preparation for investigation of the following facilities:
  - Electronic component manufacturing plant - New Brighton, Minnesota (NPL site)
  - Metal parts manufacturing plant - New Brighton, Minnesota (NPL site)
  - Engineering and testing facility - Anoka County, Minnesota
  - Precision metals fabricating plant - Niles, Michigan
  - Tennessee chemical company plant - Copperhill, Tennessee
  - Demolition landfill - New Brighton, Minnesota
  - Private dump - New Brighton, Minnesota
  - Trio solvents plant - New Brighton, Minnesota
  - Sporting goods manufacturing facility - Tennessee
  - Vehicle maintenance facility - Minnesota
  - Metal parts manufacturing facilities - Germany, Czech Republic, England
  - Electro-mechanical components facility - New York
  - Industrial landfills - Michigan, Texas

- Served as Project Manager for all aspects of remedial investigations at propellant and explosives manufacturing and loading plants. The specific areas of investigation included explosive and propellant manufacture, explosive loading, red and pink water disposal, detonation sites, and explosives burning at the following plants:
  - Joliet Army Ammunition Plant - Elwood, Illinois (NPL site)
  - Iowa Army Ammunition Plant - Burlington, Iowa
  - Badger Army Ammunition Plant - Baraboo, Wisconsin
  - Louisiana Army Ammunition Plant - Doyline, Louisiana (NPL site)
  - Cornhusker Army Ammunition Plant - Grand Island, Nebraska (NPL site)
  - Twin Cities Army Ammunition Plant - New Brighton, Minnesota (NPL site)

*Environmental Assessments/Audits*

- Performed environmental assessments for acquisition, secured financing or compliance at the following facilities:
  - Electronic component manufacturing facilities - Minnesota, Pennsylvania
  - Explosive loading plants - Illinois, Iowa, Tennessee, Arkansas
  - Solid fiberboard and paper mills - California, Vermont, Michigan, Minnesota, Illinois, Missouri
  - Metals fabrication and die casting plants - Illinois, North Carolina
  - Metals fabrication facilities - Ohio, South Carolina, Illinois, Brazil, Germany, England, Czech Republic, Missouri, Nevada, New York, Indiana
  - Chemical formulation plants - Illinois, England, Ireland
  - Manufacturing and warehouse facilities - Illinois, Indiana, Wisconsin, Georgia, Texas, Pennsylvania, California
  - Food production, processing, and packaging plants - Indiana, Louisiana, Minnesota, Ohio, New York, California, Illinois
  - Construction equipment maintenance facilities - Georgia, Minnesota, Washington, Illinois
  - Industrial equipment manufacturing facilities - Ohio
  - Soft drink bottling plants - Arkansas, North Carolina, South Carolina, Tennessee, Belgium
  - Soft drink distribution facilities - Arkansas, North Carolina, South Carolina, Tennessee, Texas, Belgium
  - Heavy equipment manufacturing plants - Illinois, Wisconsin, Indiana
  - Commercial munitions, production and testing facilities - Ohio, Pennsylvania, Florida, New Mexico, Tennessee
  - Medical equipment manufacturing facilities - Connecticut, Puerto Rico
  - Cement plants - Iowa, Mississippi, Missouri
  - Precision metals fabrication plants - Michigan, Illinois, Indiana, Pennsylvania
  - Chemical manufacturing plants - Tennessee, Wisconsin
  - Athletic and swimming facilities - Minnesota
  - Waste derived fuel plants - Missouri, Kansas, Indiana, Pennsylvania, Maryland
  - Cabinet manufacturing plants - Texas, Kentucky, Iowa, Minnesota, Ohio
  - Photo processing facilities - Minnesota, Missouri, Netherlands, Kansas

- Photographic film manufacturing facilities - United Kingdom, Germany, Switzerland
- Corrugated box plants - South Carolina, Georgia, Alabama, Tennessee
- Fiberboard partition plants - Maine, New Jersey, Wisconsin, Quebec, Iowa, Minnesota, Massachusetts
- Hazardous waste blending facilities - Ohio
- Plastic extrusion and molding plants - Germany, Michigan, Minnesota
- Window and door manufacturing facilities - Wisconsin, Michigan, Iowa
- Furniture manufacturing facilities - North Carolina, Ohio, Pennsylvania, Virginia
- Foundries - Michigan, Illinois, Ohio, Pennsylvania, Tennessee, Mexico
- Photographic chemical and plate manufacturing - Germany, Switzerland, England
- Chemical processing facilities - United States, Australia, Korea, Japan

***Remedial Designs or Remedial Construction Supervision***

- Served as Project Manager for the design and/or construction of the following remedial actions:
  - Groundwater collection tile, extraction and VOC treatment system - (NPL site) New Brighton, Minnesota
  - Extraction well and VOC treatment system - (NPL site) New Brighton, Minnesota
  - 2900 GPM groundwater extraction, VOC treatment and recharge system - (NPL site) New Brighton, Minnesota
  - Excavation and on-site contained storage of 12,000 tons of PCB contaminated soil - (NPL site) New Brighton, Minnesota
  - Groundwater Extraction and Discharge System - New Brighton, Minnesota
  - Excavation and off-site disposal of metals contaminated soils - New Brighton, Minnesota
  - Decontamination and off-site disposal of PCB equipment and oils - New Brighton, Minnesota
  - Decontamination of PCB contaminated plant areas - Lafayette, Indiana
  - Excavation and off-site disposal of over 100,000 tons of organics contaminated soil (NPL site ) - New Jersey
  - Industrial sewer cleaning and sludge handling project involving VOCs, PCBs and metals - (NPL site) New Brighton, Minnesota
  - Excavation and off-site disposal of lead contaminated soils - Minneapolis, Minnesota
  - PCB soil contamination site - Iowa
  - Soil vapor extraction system for VOC removal - Wisconsin
  - Air sparging system for VOC removal - Minnesota
  - VOC air stripping water treatment system - New Jersey
  - Excavation, on-site separation and off-site disposal of contaminated soils - Fridley, Minnesota
  - Soil vapor extraction system for VOC removal - Germany
  - Wastewater lagoon closure - Michigan

*Environmental Compliance at Industrial Facilities*

- Responsible for environmental compliance at multi-facility division of Honeywell, Inc. including:
  - Prepared permit applications for hazardous waste treatment and storage facilities
  - Developed in-plant hazardous waste management procedures for division
  - Developed RCRA training programs for treatment and storage facilities
  - Managed in-house hazardous waste generation, treatment, storage, and disposal program for six manufacturing facilities
  - Developed in-plant spill response procedures for manufacturing facilities
  - Prepared industrial discharge (POTW) permit applications for manufacturing plants and remedial actions
  - Prepared NPDES permits for remedial actions
- Performed multi-media compliance audits at the following types of industrial facilities:
  - Chemical manufacturing, chemical formulation, explosives loading, metal parts manufacturing, primary and secondary steel manufacturing, paper manufacturing, furniture and cabinet manufacturing, and miscellaneous manufacturing

*Technical Support for Litigation and Administrative Orders*

- Provided the following technical expert services in conjunction with permitting and litigation issues:
  - Assisted PRP at VOC contaminated groundwater site consisting of review and comment on; remedial investigations, feasibility studies, risk assessment, groundwater modeling, records of decision, consent orders - NPL site in Minnesota
  - Assisted PRP at VOC and PCB contaminated site consisting of review and comment on; remedial investigations, feasibility studies, risk assessment and administrative orders - Illinois
  - Assisted PRP group at mixed municipal and demolition landfill consisting of review and comment on; remedial investigation, remedial objectives and remedial cost estimates - NPL site in Minnesota
  - Assisted industrial client in negotiation of administrative and judicial orders for investigation and implementation of corrective actions at a mining and chemical manufacturing facility - Tennessee
  - Assisted township in removing a potential landfill site from final consideration list - Minnesota
  - Assisted PRP group at mixed municipal landfill consisting of RD/RA Scope of Work negotiations, remedial cost estimates, allocation negotiations and mediation - NPL site in Minnesota
  - Assisted industrial clients in negotiation of contribution claims for past releases on property - Iowa, Texas, Tennessee, Minnesota, Wisconsin, Idaho, Pennsylvania, Illinois, Indiana
  - Assisted industrial client with evaluation of compliance and recommended corrective measures in response to potential litigation - Mississippi
  - Technical expert for an industrial client with PCB risk issues from former industrial disposal site under litigation - Michigan
  - Technical expert for industrial client regarding acquisition due diligence

## EDUCATION

| | |
|---|---|
| B.S. | Michigan Technological University, Environmental Engineering, Cum Laude, 1997 |
| Other Courses: | 40-Hour OSHA Health and Safety Training, 1998 |
| | 8-Hour OSHA Health and Safety Refresher, 2003 |
| | Cleanup Criteria Symposium For Parties Implementing Part 201 Remedial Actions - MDEQ, 1998 |
| | EPCRA Section 304 and CERCLA Section 103 Emergency Notification (Release Reporting) Workshop - MDEQ, 1999 |
| | ASTM E1527-00 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" - EDR, 1999 and 2001 |
| | Regulations 101: An Environmental Safety and Health Course – MDEQ, 2001 and 2002 |
| | CRA Phase I ESA Training, 1999 and 2000 |
| | CRA Building Decommissioning Seminar, 1999 |

## EMPLOYMENT

| | |
|---|---|
| 2002-Present | Project Manager/Coordinator/Engineer<br>Conestoga-Rovers & Associates |
| 1998-2002 | Project Coordinator/Engineer<br>Conestoga-Rovers & Associates |
| 1995 | Summer Intern, Dell Engineering, Inc. |

## AFFILIATIONS

Licensed Professional Engineer, State of Michigan (I.D. No. 6201049895)

Member, American Water Works Association

Member, Environmental Quality Committee, Michigan Manufacturers Association

## PROFILE OF PROFESSIONAL ACTIVITIES

***Phase I/II Environmental Site Assessments and Compliance Analysis***

- Preparation of Phase I/II Environmental Site Assessments in support of acquisition/divestiture for various properties in Michigan, Indiana, Ohio, Wisconsin, Virginia, New York, Hawaii, Oregon, Missouri, Maryland and California, including the following: various residential properties, various vacant/undeveloped properties, hospital, furniture distribution center, light manufacturing facility, alcohol blending and bottling facility, warehouses, former and current automotive dealerships, railroad tracks, petroleum distribution center, induction heating system manufacturing facility, inactive fertilizer plant, silk screening facility, hybrid corn seed laboratory, metal scrap processing facilities, office/commercial facilities, cardboard manufacturing facility, metal forging facilities,

school administrative building and bus maintenance garage, various automotive manufacturing facilities, flour mill, and commercial bakeries and warehouses

- Project manager for Phase I through IV projects for various automotive dealerships and vacant commercial and industrial properties across the United States, including review and application of federal, state, and local level regulations
- Preparation of a Self Conducted Environmental Compliance Survey for a manufacturing facility located in Saginaw, Michigan, including the research of relevant site-specific local, state, and federal regulations and the preparation of site-specific, regulated area specific questionnaires for survey report
- Preparation of Michigan Environmental Legislation Training for three manufacturing facilities located in Port Huron, Sterling Heights, and Warren, Michigan, including the research of relevant site-specific local, state, and federal regulations and preparation of presentation illustrating an overview of applicable regulations and the requirements therefrom

*CERCLA and Michigan Act 451, Part 201*

- Project Engineer responsible for the preparation of the following Baseline Environmental Assessments:
  - Category N and D BEAs for disclosure to the MDEQ for scrap metal recycling facilities located in Warren, Flint, and Detroit, Michigan
  - Category N BEA for disclosure to the MDEQ for a vacant property located in Mt. Morris, Michigan
  - Category N BEA for disclosure to the MDEQ for a former manufacturing facility located in Warren, Michigan
  - Category N BEA for determination to the MDEQ for a vacant property located in Wixom, Michigan
  - Category N and D BEAs for disclosure to the MDEQ for a former manufacturing facility located in Detroit, Michigan
  - Category N BEA for disclosure to the MDEQ for a former scrap metal storage facility in Detroit, Michigan
- Project Coordinator of the development of a Due Care Plan for a manufacturing facility located in Wyoming, Michigan
- Project Coordinator responsible for the on-Site oversight and implementation of a Removal Action Work Plan in a residential area under a CERCLA 106 Unilateral Administrative Order. Main contaminant included PCBs and lead in soil. The Work Plan included the excavation of approximately 6,000 tons of non-TSCA and 6,000 tons of TSCA impacted soil

*Underground Storage Tanks (USTs)/Leaking Underground Storage Tanks (LUSTs)*

- Project Engineer responsible for the preparation and submittal of Site Assessment Reports to the MDEQ for USTs containing gasoline and hydraulic oil at a scrap metal recycling facility in Pontiac, Michigan
- Project Engineer responsible for the preparation of LUST Closure Reports to the MDEQ for LUSTs containing gasoline and waste oil at a scrap metal recycling facility in Pontiac, Michigan
- Project Engineer responsible for the preparation of Work Plans and proposals for the removal and/or upgrade of various UST systems located in Michigan

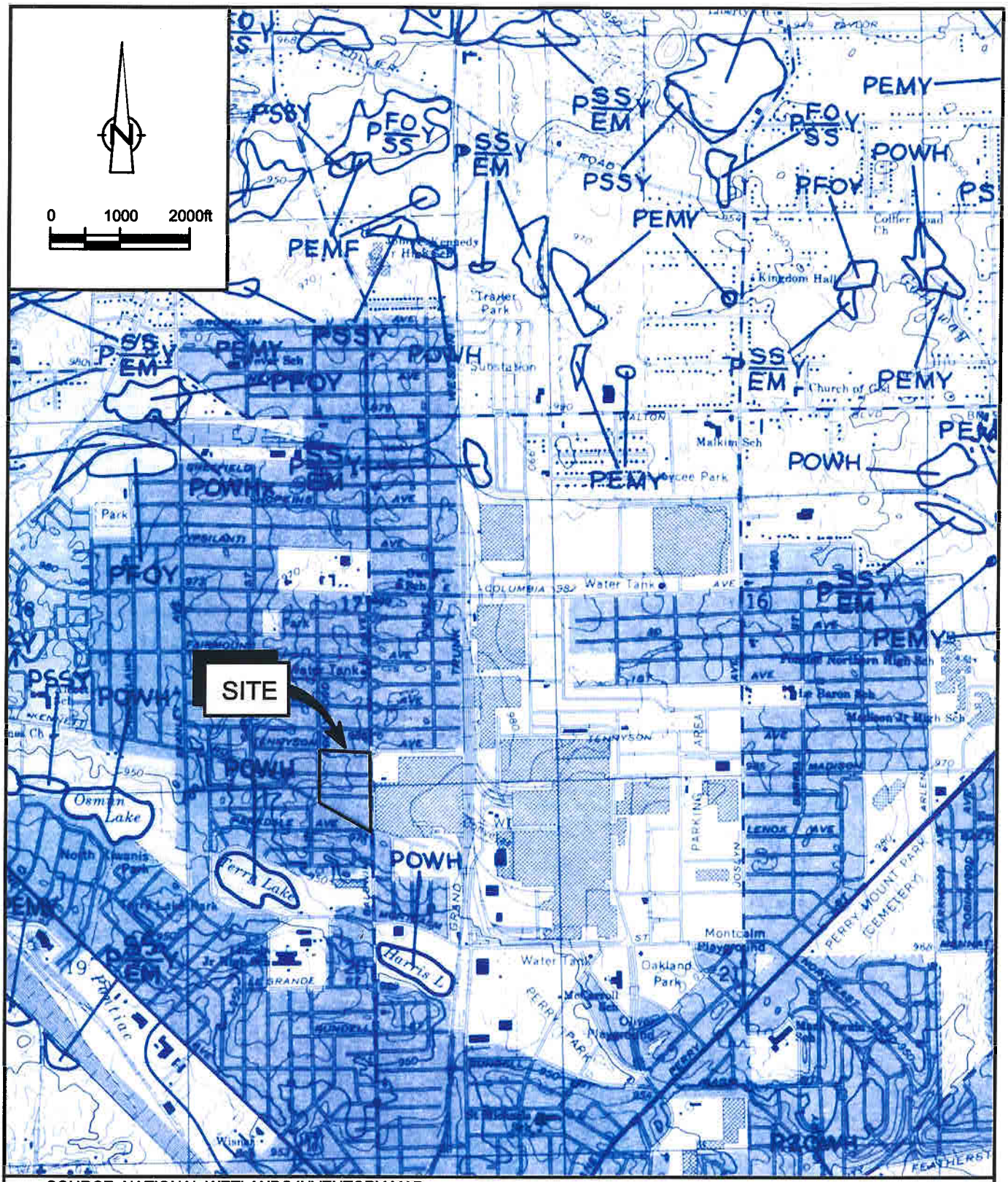
- Project Manager for O & M activities and remedial alternatives review for a LUST in Greenbrook, New Jersey
- Project Engineer responsible for the preparation of Initial Site Characterization Report and Corrective Action Plan for submittal to the IDEM for a LUST containing gasoline at an industrial manufacturing facility located in Anderson, Indiana

*Industrial/Commercial Facilities*

- Project Engineer responsible for engineering support during the development of project specifications, the construction oversight of galbestos siding encapsulation activities, and preparation of a Galbestos Abatement Pilot Studies Evaluation Report for an industrial facility in Flint, Michigan
- Project Engineer responsible for providing engineering support for Building Decommissioning Assessments for industrial manufacturing facilities in Kalamazoo, Lansing, and Pontiac, Michigan, including field inventory of process equipment and fixtures, engineering support for the development of specifications, and engineering support in the preparation of proposals, cost estimates, and reports
- Project Engineer responsible for the development of various documentation, including Work Plans, Data Reports, a Spill Report, proposals, cost estimates, and responses to IDEM comments on submittals; coordination with subcontractors and city officials; and the review of remedial alternatives for a Phase III Extent of Contamination Study at an industrial manufacturing facility located in Anderson, Indiana
- Project Coordinator responsible for the development of various documentation, including Work Plans, proposals, cost estimates; coordination of the review and evaluation of current soil vapor extraction (SVE) and groundwater treatment remediation systems; coordination of the implementation of ongoing operations and maintenance of the remediation systems; review and evaluation of compliance with current permit requirements associated with the treatment systems; review of historical data and development of Work Plan for additional investigation to delineate extent of contamination to current regulatory standards to be submitted to MDEQ; and development and implementation of summary of existing conditions presentations for agency and facility representatives at an industrial manufacturing facility in Wyoming, Michigan
- Project Manager responsible for the removal and replacement of an oil/water separator and delineation chlorinated compound impacted groundwater at an automobile dealership in Pleasanton, California
- Project Manager responsible for the removal and replacement of an oil/water separator at an automobile dealership in Vero Beach, Florida
- Project Manager responsible for the draining and decommissioning of belowgrade hydraulic lifts at an automobile dealership in Latham, New York

# APPENDIX B

# NATIONAL WETLANDS INVENTORY MAP



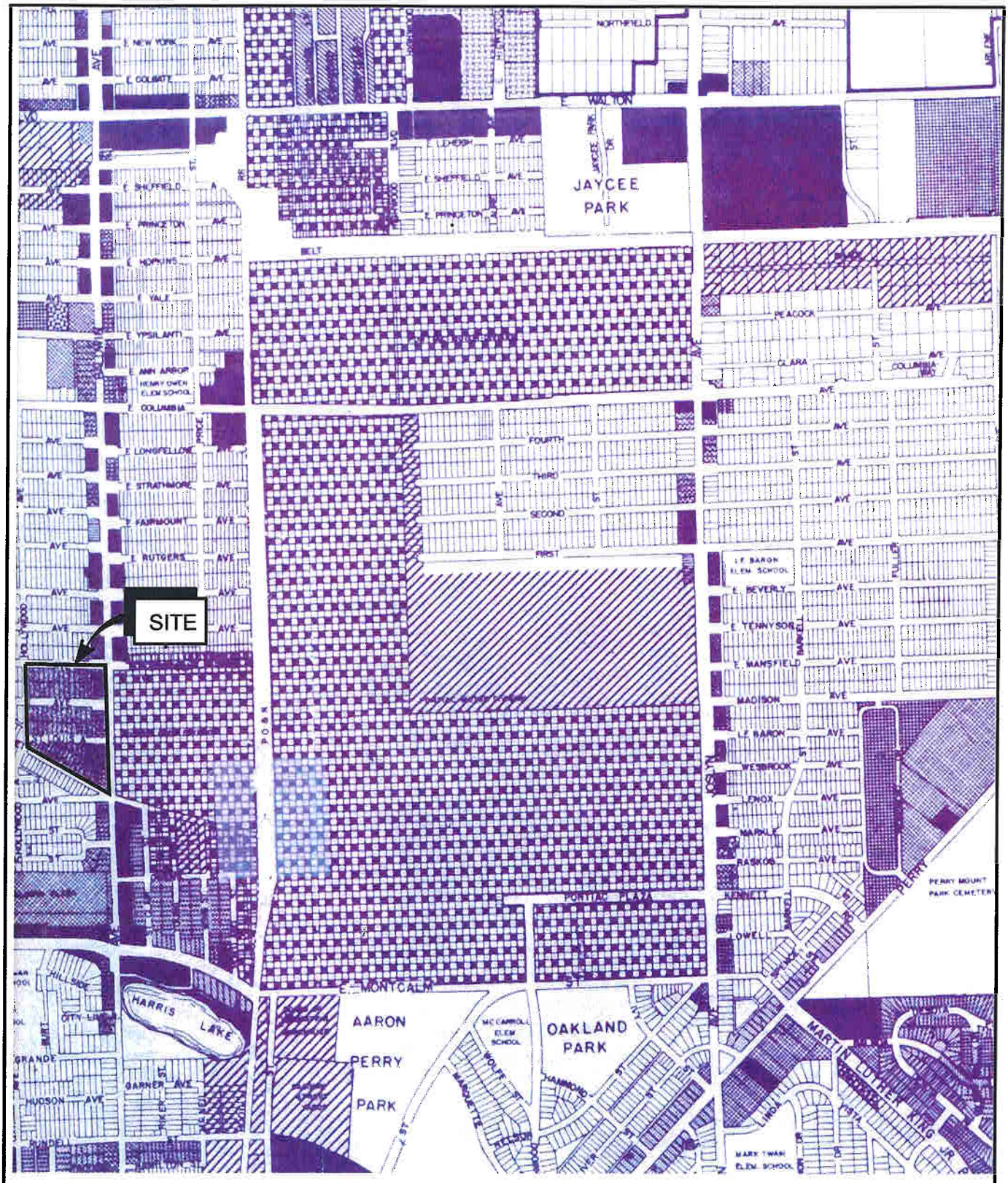

SOURCE: NATIONAL WETLANDS INVENTORY MAP;
PONTIAC NORTH, MICHIGAN;
UNITED STATES DEPARTMENT OF THE INTERIOR,
FISH AND WILDLIFE SERVICE, 1978.

# NATIONAL WETLANDS INVENTORY MAP
# PHASE I ENVIRONMENTAL SITE ASSESSMENT
# FORMER FIERO PLANT PARKING LOT
## *Pontiac, Michigan*

37082-00(001)GN-DE007 AUG 30/2004

# APPENDIX C

# LOCAL ZONING PLANS




ZONING PLAN
PHASE I ENVIRONMENTAL SITE ASSESSMENT
FORMER FIERO PLANT PARKING LOT
*Pontiac, Michigan*

# APPENDIX D

# DATABASE SEARCH RESULTS

EDR™ Environmental
Data Resources Inc

# The EDR Radius Map
## with GeoCheck®

**037082 - Pontiac, MI**
**Baldwin Avenue/St. Louis Ave**
**Pontiac, MI 48340**

**Inquiry Number: 01249399.1r**

**August 13, 2004**

## The Standard in Environmental Risk Management Information


440 Wheelers Farms Road
Milford, Connecticut 06460

**Nationwide Customer Service**

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com


FORM-ROG

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| EPA Waste Codes | EPA-1 |
| Government Records Searched/Data Currency Tracking | GR-1 |

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***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.


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# EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

## TARGET PROPERTY INFORMATION

### ADDRESS

BALDWIN AVENUE/ST. LOUIS AVE
PONTIAC, MI 48340

### COORDINATES

| | |
|---|---|
| Latitude (North): | 42.662100 - 42° 39' 43.6" |
| Longitude (West): | 83.300000 - 83° 17' 60.0" |
| Universal Tranverse Mercator: | Zone 17 |
| UTM X (Meters): | 311497.3 |
| UTM Y (Meters): | 4725643.0 |
| Elevation: | 970 ft. above sea level |

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

| | |
|---|---|
| Target Property: | 42083-F3 PONTIAC NORTH, MI |
| Source: | USGS 7.5 min quad index |

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ( "reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

### FEDERAL ASTM STANDARD

**NPL** ---------- National Priority List
**Proposed NPL** ---------- Proposed National Priority List Sites
**CERCLIS** ---------- Comprehensive Environmental Response, Compensation, and Liability Information System
**ERNS** ---------- Emergency Response Notification System

### STATE ASTM STANDARD

**SWF/LF** ---------- Solid Waste Facilities Database
**BEA** ---------- BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

**HIST LF**---------- Inactive Solid Waste Facilities
**INDIAN UST**---------- Underground Storage Tanks on Indian Land

**FEDERAL ASTM SUPPLEMENTAL**

**CONSENT**---------- Superfund (CERCLA) Consent Decrees
**ROD**---------- Records Of Decision
**Delisted NPL**---------- National Priority List Deletions
**FINDS**---------- Facility Index System/Facility Identification Initiative Program Summary Report
**HMIRS**---------- Hazardous Materials Information Reporting System
**MLTS**---------- Material Licensing Tracking System
**MINES**---------- Mines Master Index File
**NPL Liens**---------- Federal Superfund Liens
**PADS**---------- PCB Activity Database System
**UMTRA**---------- Uranium Mill Tailings Sites
**FUDS**---------- Formerly Used Defense Sites
**INDIAN RESERV**---------- Indian Reservations
**US BROWNFIELDS**---------- A Listing of Brownfields Sites
**DOD**---------- Department of Defense Sites
**RAATS**---------- RCRA Administrative Action Tracking System
**TRIS**---------- Toxic Chemical Release Inventory System
**TSCA**---------- Toxic Substances Control Act
**SSTS**---------- Section 7 Tracking Systems
**FTTS INSP**---------- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

**STATE OR LOCAL ASTM SUPPLEMENTAL**

**AST**---------- Aboveground Tanks
**DEL SHWS**---------- Delisted List of Contaminated Sites
**PEAS**---------- Pollution Emergency Alerting System
**DRYCLEANERS**---------- Drycleaning Establishments

**EDR PROPRIETARY HISTORICAL DATABASES**

**Coal Gas**---------- Former Manufactured Gas (Coal Gas) Sites

**BROWNFIELDS DATABASES**

**US BROWNFIELDS**---------- A Listing of Brownfields Sites

**SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

# EXECUTIVE SUMMARY

**FEDERAL ASTM STANDARD**

**CERCLIS-NFRAP:** As of February 1995. CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

A review of the CERC-NFRAP list, as provided by EDR, and dated 05/17/2004 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Dist / Dir | Map ID | Page |
|---|---|---|---|---|
| *GMC CPC-PONTIAC FIERO ASSEMBLY* | *900 BALDWIN AVE* | *0 - 1/8 ENE* | *A2* | *6* |

**CORRACTS:** CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/15/2004 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Dist / Dir | Map ID | Page |
|---|---|---|---|---|
| *GMC CPC-PONTIAC FIERO ASSEMBLY* | *900 BALDWIN AVE* | *0 - 1/8 ENE* | *A2* | *6* |

**RCRIS:** Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-TSD list, as provided by EDR, and dated 06/15/2004 has revealed that there is 1 RCRIS-TSD site within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Dist / Dir | Map ID | Page |
|---|---|---|---|---|
| *GMC CPC-PONTIAC FIERO ASSEMBLY* | *900 BALDWIN AVE* | *0 - 1/8 ENE* | *A2* | *6* |

**RCRIS:** Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery

Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-LQG list, as provided by EDR, and dated 06/15/2004 has revealed that there is 1 RCRIS-LQG site within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Dist / Dir | Map ID | Page |
|---|---|---|---|---|
| *GMC CPC-PONTIAC FIERO ASSEMBLY* | *900 BALDWIN AVE* | *0 - 1/8 ENE* | *A2* | *6* |

**RCRIS:** Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 06/15/2004 has revealed that there are 2 RCRIS-SQG sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Dist / Dir | Map ID | Page |
|---|---|---|---|---|
| *PPG INDUSTRIES INC GM CORP* | *900-B BALDWIN AVE* | *0 - 1/8 ENE* | *A1* | *6* |
| *VINYL SASH OF PONTIAC* | *1065 BALDWIN RD* | *1/8 - 1/4 N* | *4* | *11* |

**STATE ASTM STANDARD**

**SHWS:** The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Quality's' Contaminated Sites List on Diskette With Address.

A review of the SHWS list, as provided by EDR, has revealed that there are 2 SHWS sites within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Dist / Dir | Map ID | Page |
|---|---|---|---|---|
| *MICHIGAN DUST CONTROL INC* | *56 E LEHIGH* | *1/2 - 1 N* | *10* | *21* |
| **Lower Elevation** | **Address** | **Dist / Dir** | **Map ID** | **Page** |
| GRAND TRUNK R.R. OJISTA ROAD | 655 OJISTA ROAD | 1/2 - 1 WSW | 9 | 21 |

**LUST:** The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

A review of the LUST list, as provided by EDR, and dated 06/12/2004 has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Dist / Dir | Map ID | Page |
|---|---|---|---|---|
| ***ADLERS SERVICE INC*** | ***1186 BALDWIN AVE*** | ***1/4 - 1/2 N*** | ***7*** | ***17*** |
| **Lower Elevation** | **Address** | **Dist / Dir** | **Map ID** | **Page** |
| ***BALDWIN MINI MART INC*** | ***720 BALDWIN AVE*** | ***1/4 - 1/2 S*** | ***5*** | ***11*** |
| ***UHAULS 754-67*** | ***30 E MONTCALM*** | ***1/4 - 1/2 SSE*** | ***6*** | ***16*** |
| VACANT-LOTS 288 & 289 | 120 E MONTCALM | 1/4 - 1/2 SSE | 8 | 20 |

**UST:** The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

A review of the UST list, as provided by EDR, and dated 06/12/2004 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

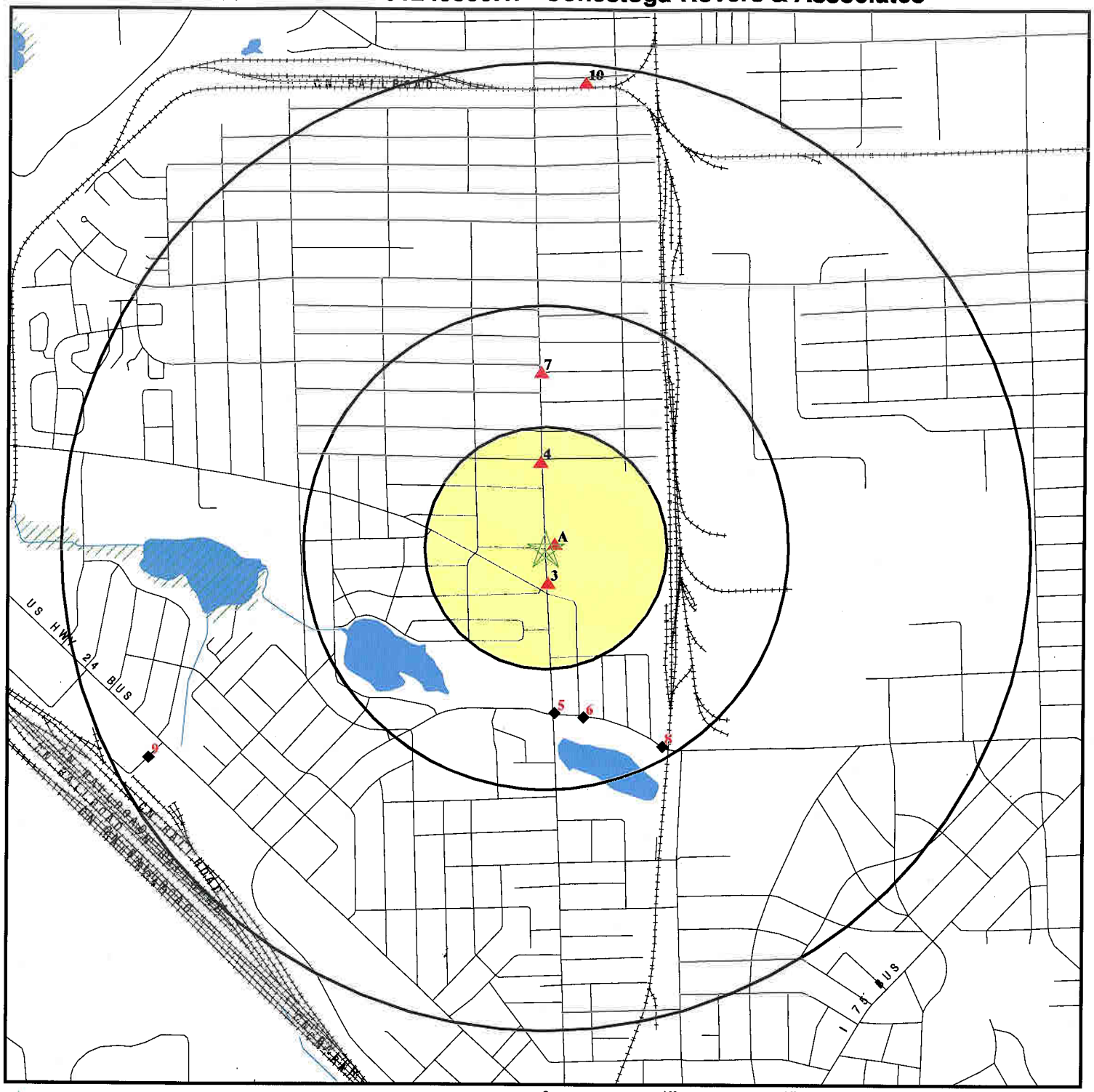
| Equal/Higher Elevation | Address | Dist / Dir | Map ID | Page |
|---|---|---|---|---|
| BMC-CPC-PONTIAC FIERO PLANT | 900 BALDWIN | 0 - 1/8 S | 3 | 9 |

# EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

| Site Name | Database(s) |
|---|---|
| GM PONTIAC FOUNDRY | FTTS INSP |
| KENNETT RD LF | SHWS |
| UPLAND & JOSLYN ROAD FILL | SHWS |
| SUNOCO SERVICE STATION | RCRIS-SQG, FINDS |
| SHELL OIL CO | RCRIS-SQG, FINDS |
| GENERAL MOTORS CORPORATION PONTIAC PLANT CENTRAL FOUNDRY DIV | PADS, RCRIS-SQG, FINDS |
| UPS PONTIAC CENTER | RCRIS-SQG, FINDS |
| GENERAL MOTORS TRUCK PONTIAC CENTRAL 660 SOUTH BLVD | ERNS |
| PONTIAC STATION | ERNS |
| KALTAR CORPORATION - 1ST PETITIONER | BEA |
| PONTIAC HOLDINGS, LLC | BEA |
| BALDWIN SQUARE, LLC | BEA |
| PONTIAC CITY OF | BEA |
| LAKE ANGELUS AT BALDWIN RD DRUMS | DEL SHWS |

# OVERVIEW MAP - 01249399.1r - Conestoga-Rovers & Associates




- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

0 1/4 1/2 1 Miles

N

| | | | |
|---|---|---|---|
| TARGET PROPERTY: | 037082 - Pontiac, MI | CUSTOMER: | Conestoga-Rovers & Associates |
| ADDRESS: | Baldwin Avenue/St. Louis Ave | CONTACT: | Kelly F. Connolly |
| CITY/STATE/ZIP: | Pontiac MI 48340 | INQUIRY #: | 01249399.1r |
| LAT/LONG: | 42.6621 / 83.3000 | DATE: | August 13, 2004 11:01 am |

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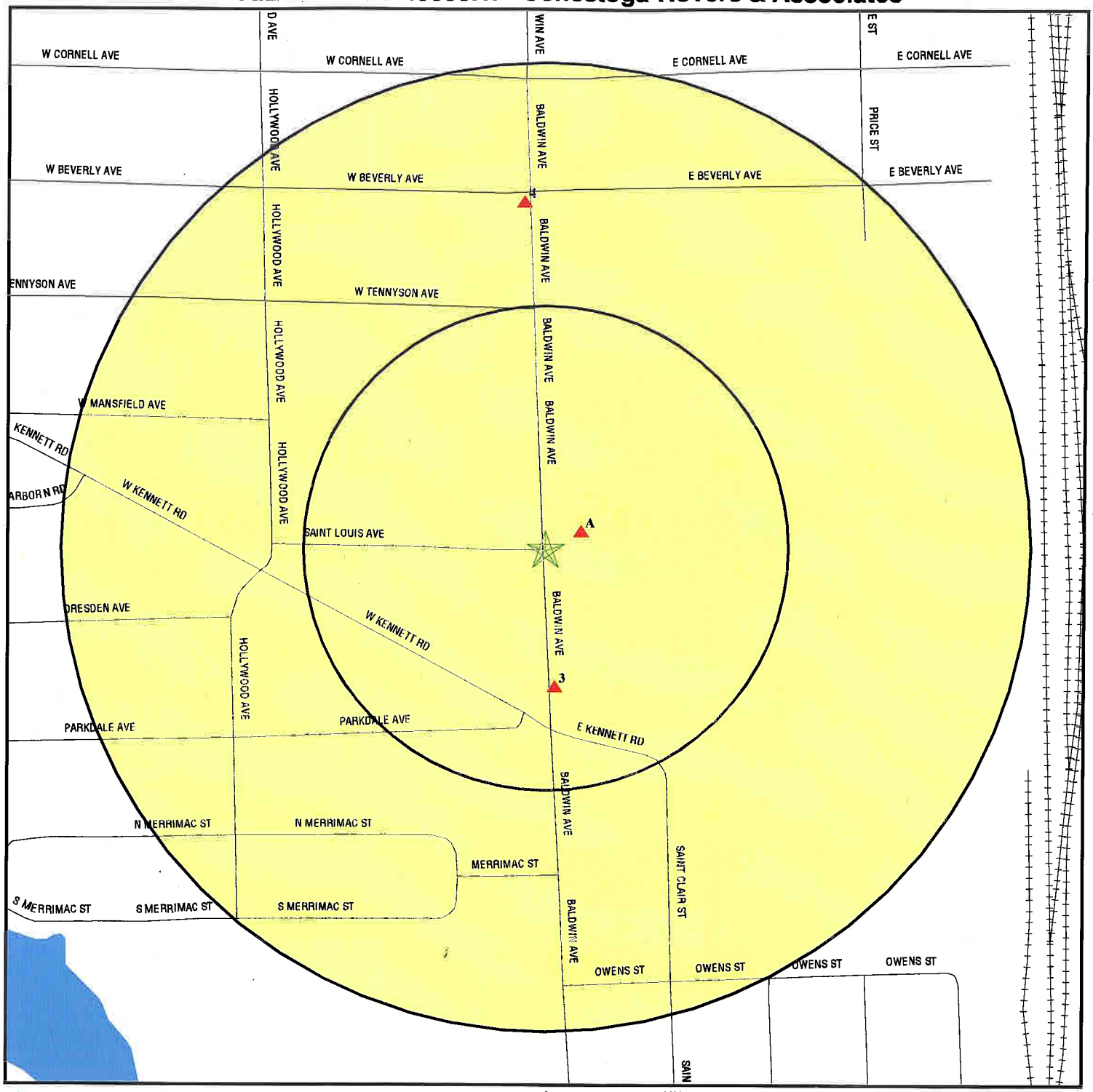
# DETAIL MAP - 01249399.1r - Conestoga-Rovers & Associates




- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

| | | | |
|---|---|---|---|
| TARGET PROPERTY: | 037082 - Pontiac, MI | CUSTOMER: | Conestoga-Rovers & Associates |
| ADDRESS: | Baldwin Avenue/St. Louis Ave | CONTACT: | Kelly F. Connolly |
| CITY/STATE/ZIP: | Pontiac MI 48340 | INQUIRY #: | 01249399.1r |
| LAT/LONG: | 42.6621 / 83.3000 | DATE: | August 13, 2004 11:01 am |

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# MAP FINDINGS SUMMARY

| Database | Target Property | Search Distance (Miles) | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| **FEDERAL ASTM STANDARD** | | | | | | | | |
| NPL | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| CERCLIS | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| CERC-NFRAP | | 0.500 | 1 | 0 | 0 | NR | NR | 1 |
| CORRACTS | | 1.000 | 1 | 0 | 0 | 0 | NR | 1 |
| RCRIS-TSD | | 1.000 | 1 | 0 | 0 | 0 | NR | 1 |
| RCRIS Lg. Quan. Gen. | | 0.250 | 1 | 0 | NR | NR | NR | 1 |
| RCRIS Sm. Quan. Gen. | | 0.250 | 1 | 1 | NR | NR | NR | 2 |
| ERNS | | TP | NR | NR | NR | NR | NR | 0 |
| **STATE ASTM STANDARD** | | | | | | | | |
| State Haz. Waste | | 1.000 | 0 | 0 | 0 | 2 | NR | 2 |
| State Landfill | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| LUST | | 0.500 | 0 | 0 | 4 | NR | NR | 4 |
| UST | | 0.250 | 1 | 0 | NR | NR | NR | 1 |
| BEA | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| HIST LF | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN UST | | TP | NR | NR | NR | NR | NR | 0 |
| **FEDERAL ASTM SUPPLEMENTAL** | | | | | | | | |
| CONSENT | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| ROD | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| Delisted NPL | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| FINDS | | TP | NR | NR | NR | NR | NR | 0 |
| HMIRS | | TP | NR | NR | NR | NR | NR | 0 |
| MLTS | | TP | NR | NR | NR | NR | NR | 0 |
| MINES | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| NPL Liens | | TP | NR | NR | NR | NR | NR | 0 |
| PADS | | TP | NR | NR | NR | NR | NR | 0 |
| UMTRA | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| FUDS | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| INDIAN RESERV | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| US BROWNFIELDS | | TP | NR | NR | NR | NR | NR | 0 |
| DOD | | TP | NR | NR | NR | NR | NR | 0 |
| RAATS | | TP | NR | NR | NR | NR | NR | 0 |
| TRIS | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| TSCA | | TP | NR | NR | NR | NR | NR | 0 |
| SSTS | | TP | NR | NR | NR | NR | NR | 0 |
| FTTS | | TP | NR | NR | NR | NR | NR | 0 |
| **STATE OR LOCAL ASTM SUPPLEMENTAL** | | | | | | | | |
| AST | | TP | NR | NR | NR | NR | NR | 0 |
| DEL SHWS | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Target Property | Search Distance (Miles) | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| PEAS | | TP | NR | NR | NR | NR | NR | 0 |
| DRYCLEANERS | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| **EDR PROPRIETARY HISTORICAL DATABASES** | | | | | | | | |
| Coal Gas | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| **BROWNFIELDS DATABASES** | | | | | | | | |
| US BROWNFIELDS | | TP | NR | NR | NR | NR | NR | 0 |

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

**Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.**

---

**A1**
**ENE**
**< 1/8**
**107 ft.**

**Relative:**
**Higher**

**Actual:**
**972 ft.**

**PPG INDUSTRIES INC GM CORP** — **RCRIS-SQG 1000119668**
**900-B BALDWIN AVE** — **FINDS MID981961816**
**PONTIAC, MI 48340**

**Site 1 of 2 in cluster A**

RCRIS:
Owner: NAME NOT REPORTED
EPA ID: MID981961816
Contact: C BABKA
(412) 963-5827
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

---

**A2**
**ENE**
**< 1/8**
**107 ft.**

**Relative:**
**Higher**

**Actual:**
**972 ft.**

**GMC CPC-PONTIAC FIERO ASSEMBLY** — **FINDS 1000109581**
**900 BALDWIN AVE** — **RCRIS-LQG MID005356910**
**PONTIAC, MI 48055** — **RCRIS-TSD**
**CORRACTS**
**CERC-NFRAP**

**Site 2 of 2 in cluster A**

CERCLIS-NFRAP Classification Data:
Site Incident Category: Not reported
Non NPL Code: DR
Ownership Status: Unknown
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:

| | | |
|---|---|---|
| Assessment: | DISCOVERY | Completed: 02/06/1992 |
| Assessment: | PRELIMINARY ASSESSMENT | Completed: 10/14/1992 |
| Assessment: | ARCHIVE SITE | Completed: 12/18/1995 |

CORRACTS Data:

EPA Id: MID005356910
Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 04/14/1992
Corrective Action: CA050 - RFA Completed
2002 NAICS Title: Motor Vehicle Body Manufacturing

EPA Id: MID005356910
Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 03/31/1992
Corrective Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
2002 NAICS Title: Motor Vehicle Body Manufacturing

EPA Id: MID005356910
Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 03/31/1992

**GMC CPC-PONTIAC FIERO ASSEMBLY (Continued)** **1000109581**

Corrective Action: CA225IN - Stabilization Measures Evaluation, This facility is not , amenable to stabilization activity because of, a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available

2002 NAICS Title: Motor Vehicle Body Manufacturing

RCRIS Corrective Action Summary:

Event: RFA Completed
Event Date: 04/14/1992

Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.
Event Date: 03/31/1992

Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity because of a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available.
Event Date: 03/31/1992

RCRIS:

Owner: GMC FISHER BODY DIV PONTIAC PLANT
EPA ID: MID005356910

Contact: ROBERT FENN
(248) 857-2287

Classification: Large Quantity Generator, TSDF
TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2001

| Waste | Quantity (Lbs) | Waste | Quantity (Lbs) |
|---|---|---|---|
| D001 | 5376.15 | D008 | 1209600.00 |
| D009 | 350.00 | F002 | 1834.86 |

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: TSD-GENERAL STANDARDS
Date Violation Determined: 09/17/2001
Actual Date Achieved Compliance: 11/30/2001

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/17/2001
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS
Date Violation Determined: 12/08/1993
Actual Date Achieved Compliance: 04/06/1994

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 12/08/1993
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS
Date Violation Determined: 01/24/1991
Actual Date Achieved Compliance: 02/18/1991

**GMC CPC-PONTIAC FIERO ASSEMBLY (Continued)** **1000109581**

| | |
|---|---|
| Enforcement Action: | WRITTEN INFORMAL |
| Enforcement Action Date: | 01/31/1991 |
| Penalty Type: | Not reported |
| Regulation Violated: | Not reported |
| Area of Violation: | TSD-OTHER REQUIREMENTS (OVERSIGHT) |
| Date Violation Determined: | 06/26/1989 |
| Actual Date Achieved Compliance: | 07/14/1989 |
| Enforcement Action: | WRITTEN INFORMAL |
| Enforcement Action Date: | 06/30/1989 |
| Penalty Type: | Not reported |
| Regulation Violated: | Not reported |
| Area of Violation: | TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS |
| Date Violation Determined: | 03/31/1989 |
| Actual Date Achieved Compliance: | 05/10/1989 |
| Enforcement Action: | WRITTEN INFORMAL |
| Enforcement Action Date: | 04/05/1989 |
| Penalty Type: | Not reported |
| Regulation Violated: | Not reported |
| Area of Violation: | TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS |
| Date Violation Determined: | 09/01/1988 |
| Actual Date Achieved Compliance: | 11/17/1988 |
| Enforcement Action: | WRITTEN INFORMAL |
| Enforcement Action Date: | 09/14/1988 |
| Penalty Type: | Not reported |
| Regulation Violated: | Not reported |
| Area of Violation: | TSD-LAND BAN REQUIREMENTS |
| Date Violation Determined: | 05/03/1987 |
| Actual Date Achieved Compliance: | 10/13/1987 |
| Enforcement Action: | WRITTEN INFORMAL |
| Enforcement Action Date: | 05/22/1987 |
| Penalty Type: | Not reported |
| Regulation Violated: | Not reported |
| Area of Violation: | TSD-OTHER REQUIREMENTS |
| Date Violation Determined: | 05/03/1987 |
| Actual Date Achieved Compliance: | 10/13/1987 |
| Enforcement Action: | WRITTEN INFORMAL |
| Enforcement Action Date: | 05/22/1987 |
| Penalty Type: | Not reported |
| Regulation Violated: | Not reported |
| Area of Violation: | TSD-OTHER REQUIREMENTS |
| Date Violation Determined: | 12/03/1985 |
| Actual Date Achieved Compliance: | 04/16/1986 |
| Enforcement Action: | WRITTEN INFORMAL |
| Enforcement Action Date: | 12/18/1985 |
| Penalty Type: | Not reported |

There are 9 violation record(s) reported at this site:

| Evaluation | Area of Violation | Date of Compliance |
|---|---|---|
| Compliance Evaluation Inspection | TSD-GENERAL STANDARDS | 20011130 |
| Compliance Evaluation Inspection | TSD-OTHER REQUIREMENTS | 19940406 |

**GMC CPC-PONTIAC FIERO ASSEMBLY (Continued)** **1000109581**

| | | |
|---|---|---|
| Compliance Evaluation Inspection | TSD-OTHER REQUIREMENTS | 19910218 |
| Compliance Evaluation Inspection | TSD-OTHER REQUIREMENTS (OVERSIGHT) | 19890714 |
| Financial Record Review | TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS | 19890510 |
| Financial Record Review | TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS | 19881117 |
| Other Evaluation | TSD-OTHER REQUIREMENTS | 19860416 |
| Compliance Evaluation Inspection | TSD-LAND BAN REQUIREMENTS | 19871013 |
| | TSD-OTHER REQUIREMENTS | 19871013 |
| Compliance Evaluation Inspection | TSD-OTHER REQUIREMENTS | 19860416 |

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system
Toxics Release Inventory

---

**3** **BMC-CPC-PONTIAC FIERO PLANT** **UST** **U003321777**
**South** **900 BALDWIN** **N/A**
**< 1/8** **PONTIAC, MI 48058**
**377 ft.**

**Relative:**
**Higher**

**Actual:**
**974 ft.**

UST:

| | |
|---|---|
| Facility ID: | 00010316 |
| Tank ID: | 1 |
| Owner: | BMC-Cpc-Pontiac Fiero Plant |
| Owner Country: | USA |
| Owner Contact: | Not reported |
| Owner Address: | 900 BALDWIN |
| | PONTIAC, MI 48058 |
| Owner Phone: | (734) 857-2797 |
| Product: | Hazardous Substance |
| Capacity: | 8000 |
| Tank Status: | Removed from Ground |
| Remove Date: | Jul 3 1989 |
| Constr Material: | Asphalt Coated or Bare Steel |
| Piping Material: | Unknown |
| Piping Type: | Not reported |
| Contact: | G.A. MOORE |
| Contact Phone: | (734) 857-2797 |
| Impressed Device: | No |
| Install Date: | Apr 29 1966 |
| Release Detection: | |
| Tank: | Not reported |
| Pipe: | Not reported |

| | |
|---|---|
| Facility ID: | 00010316 |
| Tank ID: | 2 |
| Owner: | BMC-Cpc-Pontiac Fiero Plant |
| Owner Country: | USA |
| Owner Contact: | Not reported |
| Owner Address: | 900 BALDWIN |
| | PONTIAC, MI 48058 |
| Owner Phone: | (734) 857-2797 |
| Product: | Hazardous Substance,CELLOSOLVE ACETATE,1 |
| Capacity: | 8000 |
| Tank Status: | Removed from Ground |
| Remove Date: | Jul 1 1989 |

**BMC-CPC-PONTIAC FIERO PLANT (Continued)** **U003321777**

Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: G.A. MOORE
Contact Phone: (734) 857-2797
Impressed Device: No
Install Date: Apr 29 1966
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00010316
Tank ID: 3
Owner: BMC-Cpc-Pontiac Fiero Plant
Owner Country: USA
Owner Contact: Not reported
Owner Address: 900 BALDWIN
PONTIAC, MI 48058
Owner Phone: (734) 857-2797
Product: Hazardous Substance,2-BUTAN.NE,7
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: Jul 1 1989
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: G.A. MOORE
Contact Phone: (734) 857-2797
Impressed Device: No
Install Date: Apr 29 1966
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00010316
Tank ID: 4
Owner: BMC-Cpc-Pontiac Fiero Plant
Owner Country: USA
Owner Contact: Not reported
Owner Address: 900 BALDWIN
PONTIAC, MI 48058
Owner Phone: (734) 857-2797
Product: Not reported
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Jul 3 1989
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: G.A. MOORE
Contact Phone: (734) 857-2797
Impressed Device: No
Install Date: Apr 30 1983
Release Detection:
Tank: Not reported
Pipe: Not reported

**4**
**North**
**1/8-1/4**
**945 ft.**

**VINYL SASH OF PONTIAC**
**1065 BALDWIN RD**
**PONTIAC, MI 48340**

**RCRIS-SQG** **1000865467**
**FINDS** **MI0000052662**

**Relative:**
**Higher**

**Actual:**
**980 ft.**

RCRIS:
Owner: BLOSS BOB
EPA ID: MI0000052662
Contact: BOB BLOSS
(313) 234-4831
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

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**5**
**South**
**1/4-1/2**
**1802 ft.**

**BALDWIN MINI MART INC**
**720 BALDWIN AVE**
**PONTIAC, MI 48340**

**LUST** **U003160766**
**UST** **N/A**

**Relative:**
**Lower**

**Actual:**
**944 ft.**

LUST:
Facility ID: 00012972
Release Number: Open
Release Date: Aug 20 1992
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Baldwin Mini Mart Inc
Owner Address : 720 Baldwin Ave
Pontiac, MI 48340
Country : USA
Owner Phone : (248) 253-9020
Contact : MIKE AJAMI
Facility Phone : (248) 253-9020
Leak Number: C-1429-92

UST:
Facility ID: 00012972
Tank ID: 1
Owner: Baldwin Mini Mart Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 720 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 253-9020
Product: Gasoline
Capacity: 8000
Tank Status: Removed from Ground
Remove Date: Oct 1 1988
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: MIKE AJAMI
Contact Phone: (248) 253-9020
Impressed Device: No
Install Date: May 7 1977

**BALDWIN MINI MART INC (Continued)** **U003160766**

Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00012972
Tank ID: 2
Owner: Baldwin Mini Mart Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 720 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 253-9020
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: Oct 1 1988
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: MIKE AJAMI
Contact Phone: (248) 253-9020
Impressed Device: No
Install Date: May 7 1977
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00012972
Tank ID: 3
Owner: Baldwin Mini Mart Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 720 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 253-9020
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: Oct 1 1988
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: MIKE AJAMI
Contact Phone: (248) 253-9020
Impressed Device: No
Install Date: May 7 1977
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00012972
Tank ID: 4
Owner: Baldwin Mini Mart Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 720 Baldwin Ave
Pontiac, MI 48340

**BALDWIN MINI MART INC (Continued)** **U003160766**

Owner Phone: (248) 253-9020
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: Oct 1 1988
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: MIKE AJAMI
Contact Phone: (248) 253-9020
Impressed Device: No
Install Date: May 7 1977
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00012972
Tank ID: 5
Owner: Baldwin Mini Mart Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 720 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 253-9020
Product: Kerosene
Capacity: 4000
Tank Status: Removed from Ground
Remove Date: Oct 1 1988
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: MIKE AJAMI
Contact Phone: (248) 253-9020
Impressed Device: No
Install Date: May 7 1985
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00012972
Tank ID: 6
Owner: Baldwin Mini Mart Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 720 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 253-9020
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: Oct 2 1990
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Pressure
Contact: MIKE AJAMI
Contact Phone: (248) 253-9020
Impressed Device: No

**BALDWIN MINI MART INC (Continued)** **U003160766**

Install Date: May 7 1986
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00012972
Tank ID: 7
Owner: Baldwin Mini Mart Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 720 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 253-9020
Product: Gasoline
Capacity: 10000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: MIKE AJAMI
Contact Phone: (248) 253-9020
Impressed Device: No
Install Date: Jan 1 1989
Release Detection:
Tank: Automatic Tank Gauging,Inventory Control,Tank Tightness Testing
Pipe: Automatic Line Leak Detectors,Line Tightness Testing

Facility ID: 00012972
Tank ID: 8
Owner: Baldwin Mini Mart Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 720 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 253-9020
Product: Gasoline
Capacity: 8000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Fiberglass Reinforced plastic
Piping Material: Not reported
Piping Type: Pressure,Repaired
Contact: MIKE AJAMI
Contact Phone: (248) 253-9020
Impressed Device: No
Install Date: Oct 1 1988
Release Detection:
Tank: Automatic Tank Gauging,Inventory Control,Manual Tank Gauging,Tank Tightness Testing
Pipe: Automatic Line Leak Detectors,Line Tightness Testing

Facility ID: 00012972
Tank ID: 9
Owner: Baldwin Mini Mart Inc
Owner Country: USA
Owner Contact: Not reported

**BALDWIN MINI MART INC (Continued)** **U003160766**

Owner Address: 720 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 253-9020
Product: Gasoline
Capacity: 8000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure,Repaired
Contact: MIKE AJAMI
Contact Phone: (248) 253-9020
Impressed Device: No
Install Date: Jan 1 1989
Release Detection:
Tank: Automatic Tank Gauging,Inventory Control,Tank Tightness Testing
Pipe: Automatic Line Leak Detectors,Line Tightness Testing

Facility ID: 00012972
Tank ID: 10
Owner: Baldwin Mini Mart Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 720 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 253-9020
Product: Kerosene
Capacity: 8000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure,Repaired
Contact: MIKE AJAMI
Contact Phone: (248) 253-9020
Impressed Device: No
Install Date: Jan 1 1989
Release Detection:
Tank: Automatic Tank Gauging,Inventory Control,Tank Tightness Testing
Pipe: Automatic Line Leak Detectors,Line Tightness Testing

Facility ID: 00012972
Tank ID: 11
Owner: Baldwin Mini Mart Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 720 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 253-9020
Product: Diesel
Capacity: 4000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure,Repaired
Contact: MIKE AJAMI

**BALDWIN MINI MART INC (Continued)** **U003160766**

Contact Phone: (248) 253-9020
Impressed Device No
Install Date: Jan 1 1989
Release Detection:
Tank: Automatic Tank Gauging,Inventory Control,Manual Tank Gauging,Tank Tightness Testing
Pipe: Automatic Line Leak Detectors,Line Tightness Testing

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**6** **UHAULS 754-67** **LUST U002302719**
**SSE** **30 E MONTCALM** **UST N/A**
**1/4-1/2** **PONTIAC, MI 85036**
**1890 ft.**

**Relative:**
**Lower**

**Actual:**
**946 ft.**

LUST:
Facility ID: 00015341
Release Number: Open
Release Date: Aug 12 1993
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : U-Hauls Nevada Real Estate Co
Owner Address : PO Box 21502
Phoenix, AZ 85036
Country : USA
Owner Phone : (602) 263-6647
Contact : JIM JONES
Facility Phone : (734) 467-3275
Leak Number: C-0983-93

Facility ID: 00015341
Release Number: Open
Release Date: Jul 29 1993
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : U-Hauls Nevada Real Estate Co
Owner Address : PO Box 21502
Phoenix, AZ 85036
Country : USA
Owner Phone : (602) 263-6647
Contact : JIM JONES
Facility Phone : (734) 467-3275
Leak Number: C-0930-93

UST:
Facility ID: 00015341
Tank ID: 1
Owner: U-Hauls Nevada Real Estate Co
Owner Country: USA
Owner Contact: Not reported
Owner Address: PO Box 21502
Phoenix, AZ 85036
Owner Phone: (602) 263-6647
Product: Gasoline
Capacity: 10000
Tank Status: Removed from Ground
Remove Date: Aug 3 1993
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel

**UHAULS 754-67 (Continued)** **U002302719**

Piping Type: Not reported
Contact: JIM JONES
Contact Phone: (734) 467-3275
Impressed Device: No
Install Date: Apr 10 1976
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00015341
Tank ID: 2
Owner: U-Hauls Nevada Real Estate Co
Owner Country: USA
Owner Contact: Not reported
Owner Address: PO Box 21502
Phoenix, AZ 85036
Owner Phone: (602) 263-6647
Product: Used Oil
Capacity: 500
Tank Status: Removed from Ground
Remove Date: Aug 3 1993
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: JIM JONES
Contact Phone: (734) 467-3275
Impressed Device: No
Install Date: Apr 11 1983
Release Detection:
Tank: Not reported
Pipe: Not reported

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**7**
**North**
**1/4-1/2**
**1921 ft.**

**Relative:**
**Higher**

**Actual:**
**988 ft.**

**ADLERS SERVICE INC**
**1186 BALDWIN AVE**
**PONTIAC, MI 48340**

**LUST U000261729**
**UST N/A**

LUST:
Facility ID: 00016872
Release Number: Open
Release Date: Aug 1 1990
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Adlers Serv Inc
Owner Address : 1186 Baldwin Ave
Pontiac, MI 48340
Country : USA
Owner Phone : (248) 335-9541
Contact : MR JAMES REED
Facility Phone : (248) 338-2244
Leak Number: C-1414-90

Facility ID: 00016872
Release Number: Open
Release Date: Sep 10 1999
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported

**ADLERS SERVICE INC (Continued)** **U000261729**

Owner Name : Adlers Serv Inc
Owner Address : 1186 Baldwin Ave
Pontiac, MI 48340
Country : USA
Owner Phone : (248) 335-9541
Contact : MR JAMES REED
Facility Phone : (248) 338-2244
Leak Number: C-0831-99

UST:
Facility ID: 00016872
Tank ID: 1
Owner: Adlers Serv Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1186 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 335-9541
Product: Gasoline
Capacity: 4000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Fiberglass Reinforced plastic
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: MR JAMES REED
Contact Phone: (248) 338-2244
Impressed Device: No
Install Date: Apr 21 1984
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016872
Tank ID: 2
Owner: Adlers Serv Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1186 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 335-9541
Product: Diesel
Capacity: 3000
Tank Status: Removed from Ground
Remove Date: Aug 2 1990
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: MR JAMES REED
Contact Phone: (248) 338-2244
Impressed Device: No
Install Date: Apr 22 1951
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016872
Tank ID: 3

**ADLERS SERVICE INC (Continued)** **U000261729**

Owner: Adlers Serv Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1186 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 335-9541
Product: Gasoline
Capacity: 4000
Tank Status: Removed from Ground
Remove Date: Aug 2 1990
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: MR JAMES REED
Contact Phone: (248) 338-2244
Impressed Device: No
Install Date: Apr 21 1962
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016872
Tank ID: 4
Owner: Adlers Serv Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1186 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 335-9541
Product: Gasoline
Capacity: 4000
Tank Status: Removed from Ground
Remove Date: Aug 2 1990
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: MR JAMES REED
Contact Phone: (248) 338-2244
Impressed Device: No
Install Date: Apr 21 1962
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016872
Tank ID: 5
Owner: Adlers Serv Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1186 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 335-9541
Product: Used Oil
Capacity: 550
Tank Status: Closed in Ground
Remove Date: Aug 18 1999
Constr Material: Asphalt Coated or Bare Steel

**ADLERS SERVICE INC (Continued)** **U000261729**

Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: MR JAMES REED
Contact Phone: (248) 338-2244
Impressed Device: No
Install Date: Apr 22 1951
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016872
Tank ID: 6
Owner: Adlers Serv Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1186 Baldwin Ave
Pontiac, MI 48340
Owner Phone: (248) 335-9541
Product: Gasoline
Capacity: 10000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Cathodically Protected,Fiberglass reinforced plastic
Piping Type: Not reported
Contact: MR JAMES REED
Contact Phone: (248) 338-2244
Impressed Device: No
Install Date: Jan 1 1990
Release Detection:
Tank: Manual Tank Gauging
Pipe: Not reported

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**8** **VACANT-LOTS 288 & 289** **LUST S103382614**
**SSE** **120 E MONTCALM** **N/A**
**1/4-1/2** **PONTIAC, MI 48362**
**2514 ft.**

**Relative: Lower**

**Actual: 941 ft.**

LUST:
Facility ID: 50002255
Release Number: Open
Release Date: Jul 16 1998
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Antonio Grimaldi
Owner Address : 463 Joslyn Rd
Lake Orion, MI 48362
Country : USA
Owner Phone : (248) 814-0827
Contact : Not reported
Facility Phone : ( ) -
Leak Number: C-0660-98

| Map ID / Direction / Distance / Distance (ft.) / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number |
|---|---|---|---|
| 9<br>WSW<br>1/2-1<br>4890 ft. | **GRAND TRUNK R.R. OJISTA ROAD**<br>**655 OJISTA ROAD**<br>**PONTIAC, MI 48341** | **SHWS** | **S105144558**<br>**N/A** |

**Relative:**
**Lower**

**Actual:**
**941 ft.**

SHWS:

| | |
|---|---|
| Facility ID: | 63000946 |
| Facility Status: | Interim Response in progress |
| Source: | RR Line-Haul Operating |
| Pollutant(s): | Diesel fuel |
| SAM Score: | 23 |
| SAM Score Date: | 02/09/2004 |
| Township: | 03N |
| Range: | 10E |
| Section: | 19 |
| Quarter: | NE |
| Quarter/Quarter: | SW |

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| | | | |
|---|---|---|---|
| 10<br>North<br>1/2-1<br>5084 ft. | **MICHIGAN DUST CONTROL INC**<br>**56 E LEHIGH**<br>**PONTIAC, MI 48340** | **RCRIS-SQG**<br>**SHWS**<br>**FINDS** | **1000241457**<br>**MID020114922** |

**Relative:**
**Higher**

**Actual:**
**982 ft.**

RCRIS:

| | |
|---|---|
| Owner: | MICHIGAN DUST CONTROL INC |
| EPA ID: | MID020114922 |
| Contact: | CHRISTOPHER SCHLAFF<br>(313) 334-3561 |
| Classification: | Small Quantity Generator |
| TSDF Activities: | Not reported |

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

SHWS:

| | |
|---|---|
| Facility ID: | 63000037 |
| Facility Status: | Inactive - no actions taken to address contamination |
| Source: | null |
| Pollutant(s): | Oil |
| SAM Score: | 21 |
| SAM Score Date: | 07/02/1991 |
| Township: | 03N |
| Range: | 10E |
| Section: | 17 |
| Quarter: | NE |
| Quarter/Quarter: | NW |

ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|---|---|---|---|---|---|
| AUBURN HILLS | S105965688 | LAKE ANGELUS AT BALDWIN RD DRUMS | LAKE ANGELUS E OF BALDWIN RD | 48340 | DEL SHWS |
| PONTIAC | S104912198 | KALTAR CORPORATION - 1ST PETITIONER | (ALSO REFER TO CARDINAL AUTOMOTIVE, INC | | BEA |
| PONTIAC | S105768598 | PONTIAC HOLDINGS, LLC | 25 ACRE VACANT PROPERTY | | BEA |
| PONTIAC | 1000331098 | SUNOCO SERVICE STATION | 4016 BALDWIN | 48340 | RCRIS-SQG, FINDS |
| PONTIAC | 1000465351 | SHELL OIL CO | 4242 BALDWIN I75 | 48340 | RCRIS-SQG, FINDS |
| PONTIAC | S104912578 | BALDWIN SQUARE, LLC | 1245-1255 BALDWIN AVENUE / | | BEA |
| PONTIAC | 94386566 | GENERAL MOTORS TRUCK PONTIAC CENTRAL 660 SOUTH BLVD | GENERAL MOTORS TRUCK PONTIAC CENTRAI SOUTH BLVD | | ERNS |
| PONTIAC | 1000106362 | GENERAL MOTORS CORPORATION PONTIAC PLANT CENTRAL FOUNDRY DIV | 701 NORTH GLENWOOD AVENUE | 48340 | PADS, RCRIS-SQG, FINDS |
| PONTIAC | S105144527 | KENNETT RD LF | KENNETT ROAD | | SHWS |
| PONTIAC | 1004724081 | UPS PONTIAC CENTER | 1056 OAKLAND | 48340 | RCRIS-SQG, FINDS |
| PONTIAC | 1007279513 | GM PONTIAC FOUNDRY | ONE PONTIAC PLAZA 483-025-106 | 48340 | FTTS INSP |
| PONTIAC | 2002598920 | PONTIAC STATION | PONTIAC STATION | | ERNS |
| PONTIAC | S104005115 | UPLAND & JOSLYN ROAD FILL | UPLAND ROAD | 48340 | SHWS |
| PONTIAC | S104912438 | PONTIAC CITY OF | VACANT 9-ACRE PROPERTY NE CORNER | | BEA |

# EPA Waste Codes Addendum

| Code | Description |
|---|---|
| D001 | IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE. |
| D008 | LEAD |
| D009 | MERCURY |
| F002 | THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES. |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Elapsed ASTM days:** Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

**FEDERAL ASTM STANDARD RECORDS**

**NPL:** National Priority List
Source: EPA
Telephone: N/A
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/04
Date Made Active at EDR: 05/21/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/04/04
Elapsed ASTM days: 17
Date of Last EDR Contact: 05/04/04

**NPL Site Boundaries**

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

**Proposed NPL:** Proposed National Priority List Sites
Source: EPA
Telephone: N/A

Date of Government Version: 04/27/04
Date Made Active at EDR: 05/21/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/04/04
Elapsed ASTM days: 17
Date of Last EDR Contact: 05/04/04

**CERCLIS:** Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 05/17/04
Date Made Active at EDR: 08/10/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 48
Date of Last EDR Contact: 06/23/04

**CERCLIS-NFRAP:** CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 05/17/04
Date Made Active at EDR: 08/10/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 48
Date of Last EDR Contact: 06/23/04

**CORRACTS:** Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/15/04
Date Made Active at EDR: 08/10/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/25/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 06/07/04

**RCRIS:** Resource Conservation and Recovery Information System
Source: EPA
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/04
Date Made Active at EDR: 07/20/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 27
Date of Last EDR Contact: 06/23/04

**ERNS:** Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 07/26/04

## FEDERAL ASTM SUPPLEMENTAL RECORDS

**BRS:** Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 06/22/04
Date of Next Scheduled EDR Contact: 09/13/04

**CONSENT:** Superfund (CERCLA) Consent Decrees
Source: EPA Regional Offices
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

**ROD:** Records Of Decision
Source: EPA
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/08/04
Database Release Frequency: Annually

Date of Last EDR Contact: 07/07/04
Date of Next Scheduled EDR Contact: 10/04/04

**DELISTED NPL:** National Priority List Deletions
Source: EPA
Telephone: N/A
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.

Date of Government Version: 04/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/04/04
Date of Next Scheduled EDR Contact: 08/02/04

**FINDS:** Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/08/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

**HMIRS:** Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/17/04
Database Release Frequency: Annually

Date of Last EDR Contact: 04/20/04
Date of Next Scheduled EDR Contact: 07/19/04

**MLTS:** Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/19/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

**MINES:** Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 03/05/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/30/04
Date of Next Scheduled EDR Contact: 09/27/04

**NPL LIENS:** Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/24/04
Date of Next Scheduled EDR Contact: 08/23/04

**PADS:** PCB Activity Database System
Source: EPA
Telephone: 202-564-3887
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/30/04
Database Release Frequency: Annually

Date of Last EDR Contact: 05/12/04
Date of Next Scheduled EDR Contact: 08/09/04

**DOD:** Department of Defense Sites
Source: USGS
Telephone: 703-692-8801
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/14/04
Date of Next Scheduled EDR Contact: 08/09/04

**STORMWATER:** Storm Water General Permits
Source: Environmental Protection Agency
Telephone: 202 564-0746
A listing of all facilities with Storm Water General Permits.

Date of Government Version: N/A
Database Release Frequency: Quarterly

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

**INDIAN RESERV:** Indian Reservations
Source: USGS
Telephone: 202-208-3710
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/14/04
Date of Next Scheduled EDR Contact: 08/09/04

**US BROWNFIELDS:** A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/14/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/14/04
Date of Next Scheduled EDR Contact: 09/13/04

**RMP:** Risk Management Plans
Source: Environmental Protection Agency
Telephone: 202-564-8600
When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: N/A
Database Release Frequency: N/A

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

**FUDS:** Formerly Used Defense Sites
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 10/01/03
Database Release Frequency: Varies

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

**UMTRA:** Uranium Mill Tailings Sites
Source: Department of Energy
Telephone: 505-845-0011
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 04/22/04
Database Release Frequency: Varies

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

**RAATS:** RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

**TRIS:** Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 06/22/04
Date of Next Scheduled EDR Contact: 09/20/04

**TSCA:** Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

**FTTS INSP:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

**SSTS:** Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-5008
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 07/20/04
Date of Next Scheduled EDR Contact: 10/18/04

**FTTS:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

**STATE OF MICHIGAN ASTM STANDARD RECORDS**

**SHWS:** Contaminated Sites
Source: Department of Environmental Quality
Telephone: 517-373-9541
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 05/24/04
Date Made Active at EDR: 07/01/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/25/04
Elapsed ASTM days: 37
Date of Last EDR Contact: 05/25/04

**SWF/LF:** Solid Waste Facilities Database
Source: Department of Environmental Quality
Telephone: 517-335-4035
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/25/04
Date Made Active at EDR: 07/09/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/04/04
Elapsed ASTM days: 35
Date of Last EDR Contact: 07/26/04

**LUST:** Leaking Underground Storage Tank Sites
Source: Department of Environmental Quality
Telephone: 517-373-8168
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 06/12/04
Date Made Active at EDR: 07/27/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 06/16/04
Elapsed ASTM days: 41
Date of Last EDR Contact: 06/16/04

**UST:** Underground Storage Tank Facility List
Source: Department of Environmental Quality
Telephone: 517-373-8168
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/12/04
Date Made Active at EDR: 07/22/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 06/16/04
Elapsed ASTM days: 36
Date of Last EDR Contact: 06/16/04

**BEA:** BASELINE ENVIRONMENTAL ASSESSMENT DATABASE
Source: DEPT. OF ENVIRONMENTAL QUALITY
Telephone: 517-373-9541

Date of Government Version: 06/16/04
Date Made Active at EDR: 07/27/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/16/04
Elapsed ASTM days: 41
Date of Last EDR Contact: 06/14/04

**INDIAN UST:** Underground Storage Tanks on Indian Land
Source: EPA Region 5
Telephone: 312-886-6136

Date of Government Version: 11/01/02
Date Made Active at EDR: 12/04/02
Database Release Frequency: Varies

Date of Data Arrival at EDR: 11/12/02
Elapsed ASTM days: 22
Date of Last EDR Contact: 06/15/04

**HIST LF:** Inactive Solid Waste Facilities
Source: Department of Environmental Quality
Telephone: 517-335-4034
The database contains historical information and is no longer updated.

Date of Government Version: 03/01/97
Date Made Active at EDR: 03/06/03
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/28/03
Elapsed ASTM days: 6
Date of Last EDR Contact: 02/28/03

**STATE OF MICHIGAN ASTM SUPPLEMENTAL RECORDS**

**AST:** Aboveground Tanks
Source: Department of Environmental Quality
Telephone: 517-373-8168
Registered Aboveground Storage Tanks.

Date of Government Version: 06/01/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/14/04
Date of Next Scheduled EDR Contact: 09/13/04

**DEL SHWS:** Delisted List of Contaminated Sites
Source: Department of Environmental Quality
Telephone: 517-373-9541
Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support it's listing or the site no longer meets criteria specified in rules.

Date of Government Version: 05/26/04
Database Release Frequency: Varies

Date of Last EDR Contact: 05/24/04
Date of Next Scheduled EDR Contact: 08/23/04

**PEAS:** Pollution Emergency Alerting System
Source: Department of Environmental Quality
Telephone: 517-373-8427
Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 07/02/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/07/04
Date of Next Scheduled EDR Contact: 10/04/04

**DRYCLEANERS:** Drycleaning Establishments
Source: Department of Environmental Quality
Telephone: 517-335-4586
A listing of drycleaning facilities in Michigan.

Date of Government Version: 06/08/04
Database Release Frequency: Varies

Date of Last EDR Contact: 05/21/04
Date of Next Scheduled EDR Contact: 08/16/04

## EDR PROPRIETARY HISTORICAL DATABASES

**Former Manufactured Gas (Coal Gas) Sites:** The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

**Disclaimer Provided by Real Property Scan, Inc.**

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

## BROWNFIELDS DATABASES

**US BROWNFIELDS:** A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

**Electric Power Transmission Line Data**
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

**AHA Hospitals:**
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

**Medical Centers: Provider of Services Listing**
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

**Nursing Homes**
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

**Public Schools**
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

**Private Schools**
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

**Daycare Centers: Day Care Centers, Group & Family Homes**
Source: Bureau of REgulatory Services
Telephone: 517-373-8300

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

**STREET AND ADDRESS INFORMATION**

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# GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

**TARGET PROPERTY ADDRESS**

037082 - PONTIAC, MI
BALDWIN AVENUE/ST. LOUIS AVE
PONTIAC, MI 48340

**TARGET PROPERTY COORDINATES**

| | |
|---|---|
| Latitude (North): | 42.662102 - 42° 39' 43.6" |
| Longitude (West): | 83.300003 - 83° 18' 0.0" |
| Universal Tranverse Mercator: | Zone 17 |
| UTM X (Meters): | 311497.3 |
| UTM Y (Meters): | 4725643.0 |
| Elevation: | 970 ft. above sea level |

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

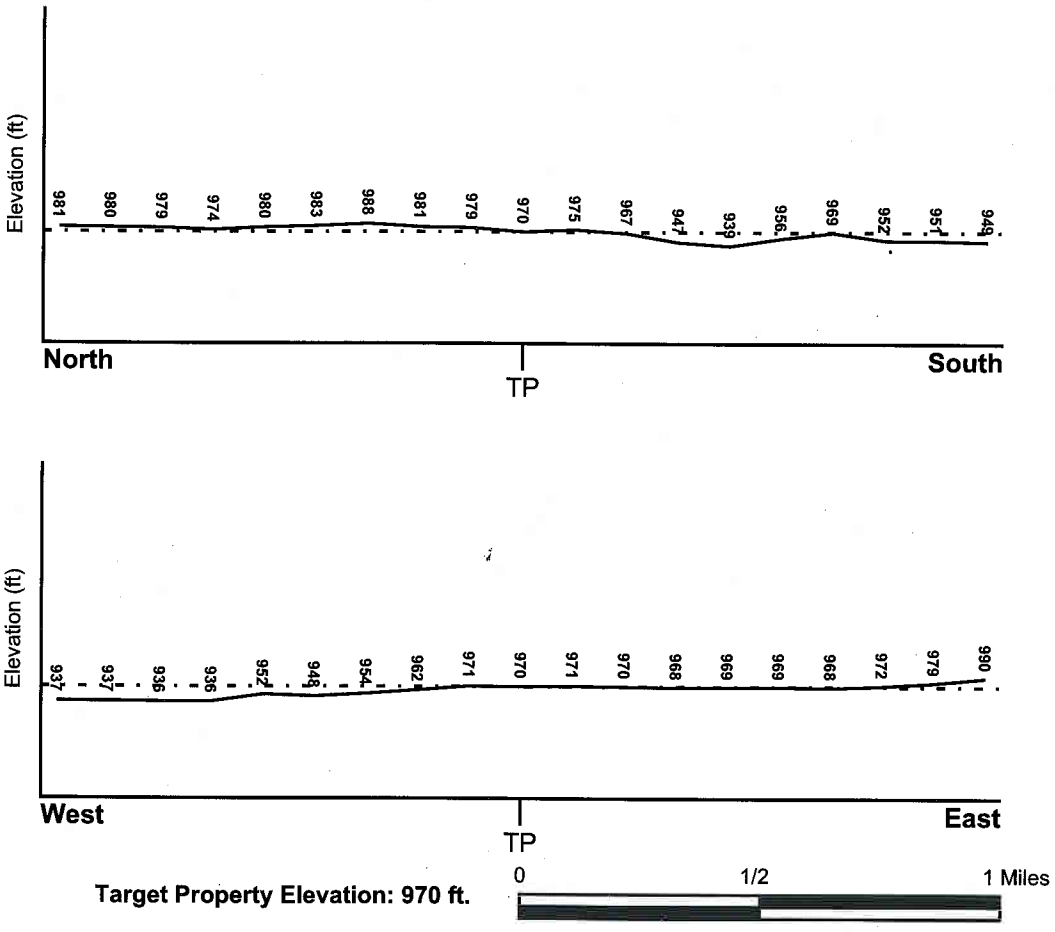
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### TARGET PROPERTY TOPOGRAPHY

| | |
|---|---|
| USGS Topographic Map: | 42083-F3 PONTIAC NORTH, MI |
| General Topographic Gradient: | General SSW |
| Source: | USGS 7.5 min quad index |

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES




Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### FEMA FLOOD ZONE

| Target Property County | FEMA Flood Electronic Data |
|---|---|
| OAKLAND, MI | YES - refer to the Overview Map and Detail Map |

| | |
|---|---|
| Flood Plain Panel at Target Property: | 2601770005B |
| Additional Panels in search area: | 2601770010B |

### NATIONAL WETLAND INVENTORY

| NWI Quad at Target Property | NWI Electronic Data Coverage |
|---|---|
| PONTIAC NORTH | Not Available |

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

***Site-Specific Hydrogeological Data*:***

| | |
|---|---|
| Search Radius: | 1.25 miles |
| Status: | Not found |

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| MAP ID | LOCATION FROM TP | GENERAL DIRECTION GROUNDWATER FLOW |
|---|---|---|
| 1 | 1/4 - 1/2 Mile SSE | SE |
| 2 | 1/2 - 1 Mile NNE | E |
| 3 | 1/2 - 1 Mile SSE | SW |
| 5 | 1/2 - 1 Mile SSW | Varies |

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

**ROCK STRATIGRAPHIC UNIT**

| | |
|---|---|
| Era: | Paleozoic |
| System: | Mississippian |
| Series: | Osagean and Kinderhookian Series |
| Code: | M1 *(decoded above as Era, System & Series)* |

**GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBANLAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

**Soil Layer Information**

| | Boundary | | | Classification | | | |
|---|---|---|---|---|---|---|---|
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | Permeability Rate (in/hr) | Soil Reaction (pH) |
| 1 | 0 inches | 60 inches | variable | Not reported | Not reported | Max: 0.00<br>Min: 0.00 | Max: 0.00<br>Min: 0.00 |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**OTHER SOIL TYPES IN AREA**

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

| | |
|---|---|
| Soil Surface Textures: | loamy sand<br>sandy loam<br>silt loam<br>muck |
| Surficial Soil Types: | loamy sand<br>sandy loam<br>silt loam<br>muck |
| Shallow Soil Types: | loamy sand |
| Deeper Soil Types: | fine sand<br>stratified<br>muck |

**ADDITIONAL ENVIRONMENTAL RECORD SOURCES**

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

**WELL SEARCH DISTANCE INFORMATION**

| DATABASE | SEARCH DISTANCE (miles) |
|---|---|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

**FEDERAL USGS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| 4 | USGS0441770 | 1/2 - 1 Mile SE |

**FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

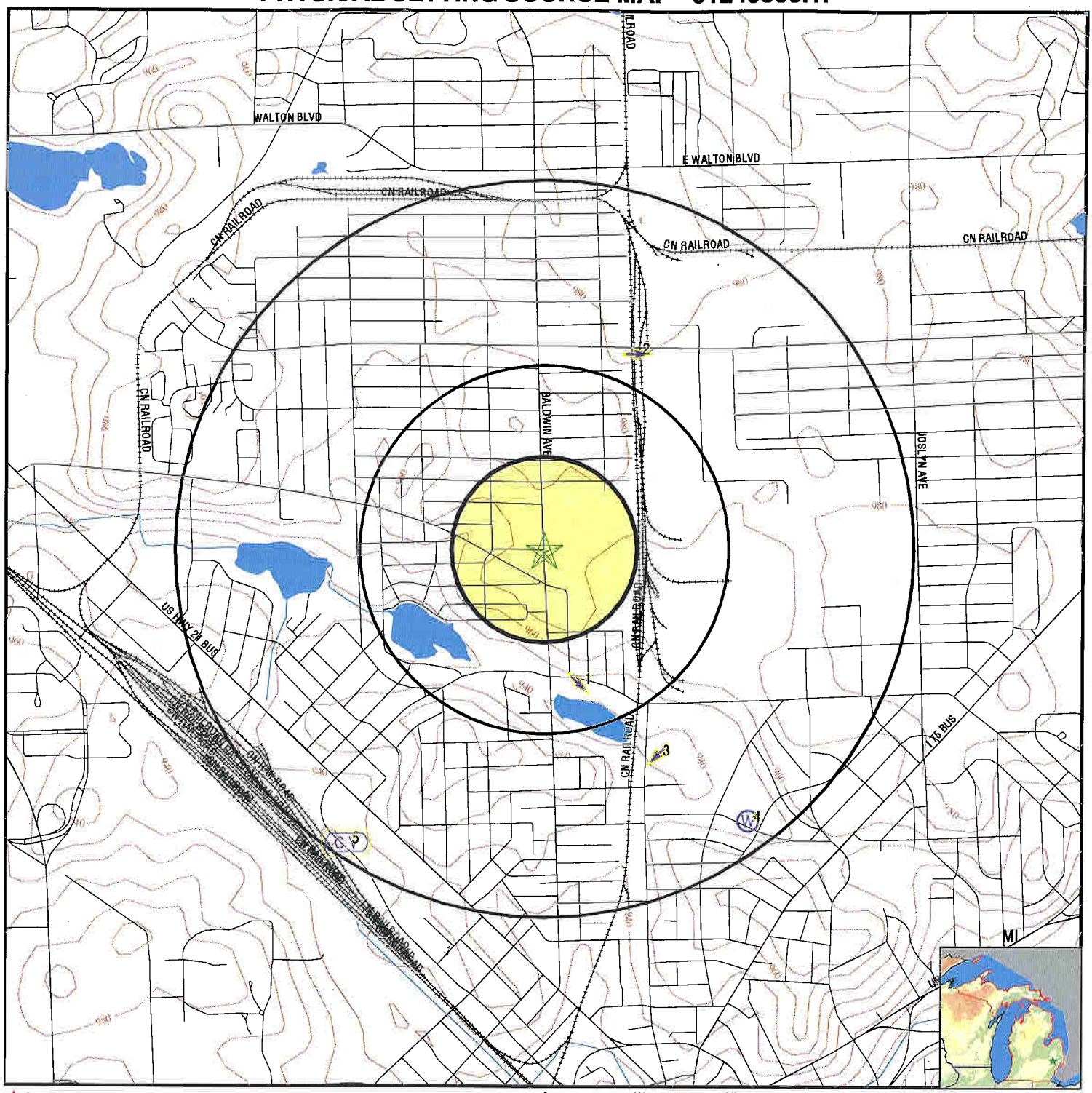
| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| No PWS System Found | | |

Note: PWS System location is not always the same as well location.

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| No Wells Found | | |

# PHYSICAL SETTING SOURCE MAP - 01249399.1r




- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

| | | | |
|---|---|---|---|
| TARGET PROPERTY: | 037082 - Pontiac, MI | CUSTOMER: | Conestoga-Rovers & Associates |
| ADDRESS: | Baldwin Avenue/St. Louis Ave | CONTACT: | Kelly F. Connolly |
| CITY/STATE/ZIP: | Pontiac MI 48340 | INQUIRY #: | 01249399.1r |
| LAT/LONG: | 42.6621 / 83.3000 | DATE: | August 13, 2004 11:01 am |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

| | | | Database | EDR ID Number |
|---|---|---|---|---|
| **1**<br>**SSE**<br>**1/4 - 1/2 Mile**<br>**Lower** | Site ID:<br>Groundwater Flow:<br>Shallowest Water Table Depth:<br>Deepest Water Table Depth:<br>Average Water Table Depth:<br>Date: | 635125<br>SE<br>Not Reported<br>Not Reported<br>7<br>02/25/1994 | **AQUIFLOW** | **35963** |
| **2**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | Site ID:<br>Groundwater Flow:<br>Shallowest Water Table Depth:<br>Deepest Water Table Depth:<br>Average Water Table Depth:<br>Date: | 635099<br>E<br>Not Reported<br>Not Reported<br>27<br>04/30/1998 | **AQUIFLOW** | **45803** |
| **3**<br>**SSE**<br>**1/2 - 1 Mile**<br>**Lower** | Site ID:<br>Groundwater Flow:<br>Shallowest Water Table Depth:<br>Deepest Water Table Depth:<br>Average Water Table Depth:<br>Date: | 635108<br>SW<br>Not Reported<br>Not Reported<br>Not Reported<br>06/22/1994 | **AQUIFLOW** | **35792** |

**4**
**SE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS0441770**

| | | | |
|---|---|---|---|
| Agency: | USGS | Site ID: | 423905083172101 |
| Site Name: | 03N 10E 21CCBB 01 | | |
| Dec. Latitude: | 42.65142 | | |
| Dec. Longitude: | -83.2891 | | |
| Coord Sys: | NAD83 | | |
| State: | MI | | |
| County: | Oakland County | | |
| Altitude: | 945.00 | | |
| Hydrologic code: | 04090003 | | |
| Topographic: | Not Reported | | |
| Site Type: | Ground-water other than Spring | | |
| Const Date: | 19220101 | Inven Date: | Not Reported |
| Well Type: | Single well, other than collector or Ranney type | | |
| Primary Aquifer: | 112PLSC | | |
| Aquifer type: | Not Reported | | |
| Well depth: | 289 | | |
| Hole depth: | Not Reported | Source: | Not Reported |
| Project no: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

| | | | Database | EDR ID Number |
|---|---|---|---|---|
| **5**<br>**SSW**<br>**1/2 - 1 Mile**<br>**Lower** | Site ID:<br>Groundwater Flow:<br>Shallowest Water Table Depth:<br>Deepest Water Table Depth:<br>Average Water Table Depth:<br>Date: | Not Reported<br>Varies<br>Not Reported<br>Not Reported<br>10<br>10/14/1997 | **AQUIFLOW** | **36033** |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
# RADON

**AREA RADON INFORMATION**

Federal EPA Radon Zone for OAKLAND County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for OAKLAND COUNTY, MI

Number of sites tested: 61

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|---|---|---|---|---|
| Living Area - 1st Floor | 1.189 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 1.539 pCi/L | 93% | 7% | 0% |

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

**USGS 7.5' Digital Elevation Model (DEM)**
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

**AQUIFLOW$^R$ Information System**
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

**Geologic Age and Rock Stratigraphic Unit**
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

**STATSGO:** State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

## ADDITIONAL ENVIRONMENTAL RECORD SOURCES

**FEDERAL WATER WELLS**

**PWS:** Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

**PWS ENF:** Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

**USGS Water Wells:** USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STATE RECORDS

**Water Well Data**
Source: Department of Environmental Quality, Drinking Water and Radiological Protection Division
Telephone: 517-335-9218

**Michigan Oil and Gas Wells**
Source: Michigan Department of Natural Resources
Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

## RADON

**State Database: MI Radon**
Source: Department of Environmental Quality
Telephone: 517-335-9551
Radon Test Results

**Michigan Radon Test Results**
Source: Department of Environmental Quality
Telephone: 517-335-8037
These results are from test kits distributed by the local health departments and used by Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

**Area Radon Information**
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

**EPA Radon Zones**
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

## OTHER

**Airport Landing Facilities:** Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

**Epicenters:** World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

# APPENDIX E

# SANBORN MAPS

EDR™ Environmental Data Resources Inc

"Linking Technology with Tradition"

# Sanborn® Map Report

**Ship To:** Kelly F. Connolly
Conestoga-Rovers &
8615 West Bryn Mawr
Chicago, IL 60631

**Customer Project:** NA
103659ROG 773-380-9933

**Order Date:** 8/13/2004 **Completion Date:** 8/16/2004
**Inquiry #:** 1249399.2s
**P.O. #:** NA
**Site Name:** 037082 - Pontiac MI
**Address:** Baldwin Avenue/St. Louis Ave
**City/State:** Pontiac, MI 48340
**Cross Streets:**

Based on client-supplied information, fire insurance maps for the following years were identified

1924 - 1 Map
1950 - 1 Map
1970 - 1 Map

**Limited Permission to Photocopy** Total Maps: 3

onestoga-Rovers & Associates (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for e limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a nited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available on request.

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# :lectronic Sanborn Map Images
# )SER'S GUIDE

'hank you for your interest in electronic Sanborn Map images. The following are guidelines for accessing the images and for 'ansferring them to your system. If you have any questions about the use of electronic Sanborn Map images, contact your EDR \ccount Executive at 1-800-352-0050.

## )rganization of Electronic Sanborn Image File

| | |
|---|---|
| First Page | Sanborn Map Report, listing years of coverage |
| Second Page | Electronic Sanborn Map Images USER'S GUIDE |
| Third Page | Oldest Sanborn Map Image |
| Last Page | Most recent Sanborn Map Image |

## lavigating the Electronic Sanborn Image File

Open file on screen.
Identify TP (Target Property) on the most recent map.
Find TP on older printed images.
Using Acrobat, zoom to 250% in order to view more clearly.

- 200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.

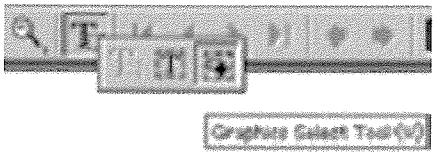
Zooming in on an image:

- On the menu bar, click "View" and then zoom.
- Use the magnifying tool and drag a box around the TP area.

## 'rinting a Sanborn Map from the Electronic File

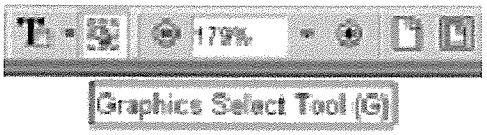
EDR recommends printing all images at 300 dpi (300 dpi prints faster than 600 dpi).
To print only the TP area, cut and paste the area from Adobe Acrobat to your word processor.

Acrobat Version 4



- Go to the Menu bar
- Press and hold the "T" button
- Choose the Graphics Select Tool
- Draw a box around the area selected
- Go to "Menu"
- Hightlight "Edit"
- Hightlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.

Acrobat Version 5




- Go to the Menu bar
- Click the "Graphics Select Tool"
- Draw a box around the area selected
- Go to "Menu"
- Highlight "Edit"
- Highlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.

## nportant Information about Email Delivery of Electronic

Images are grouped intro one file, up to 2MB.
In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as 1 of 3, 2 of 3, etc. including all available map years.
Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.

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Year EDR Research Associate

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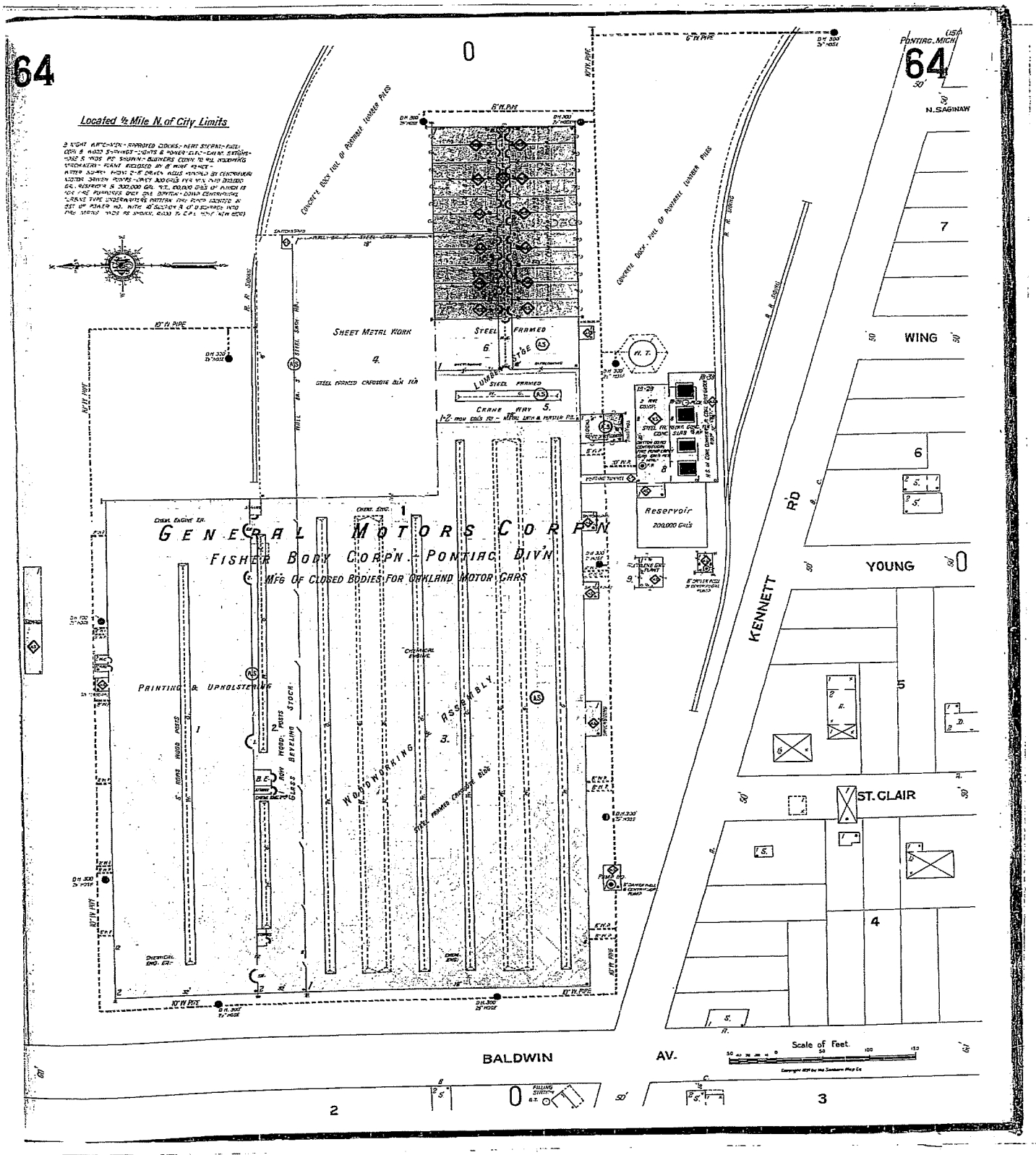

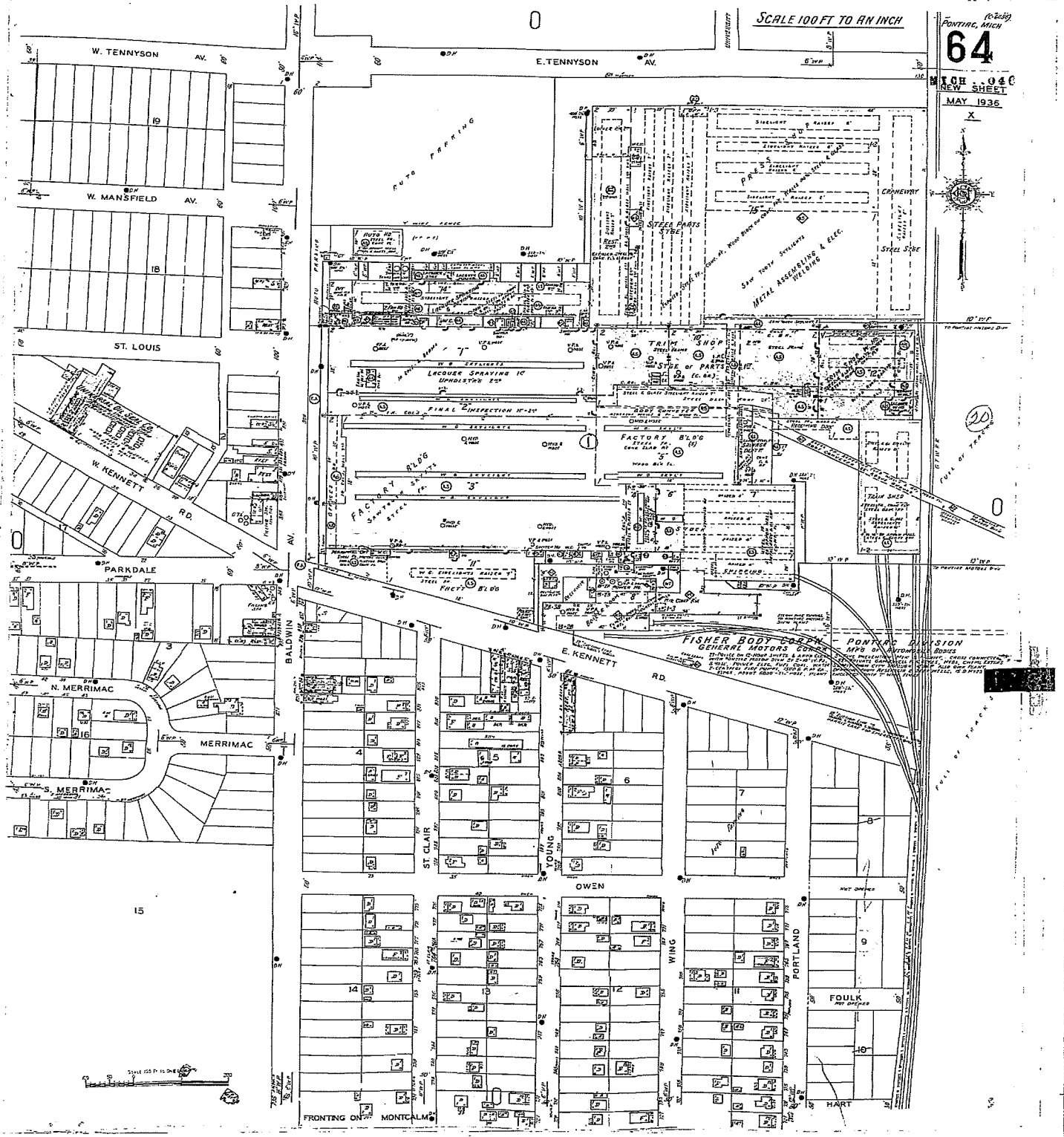


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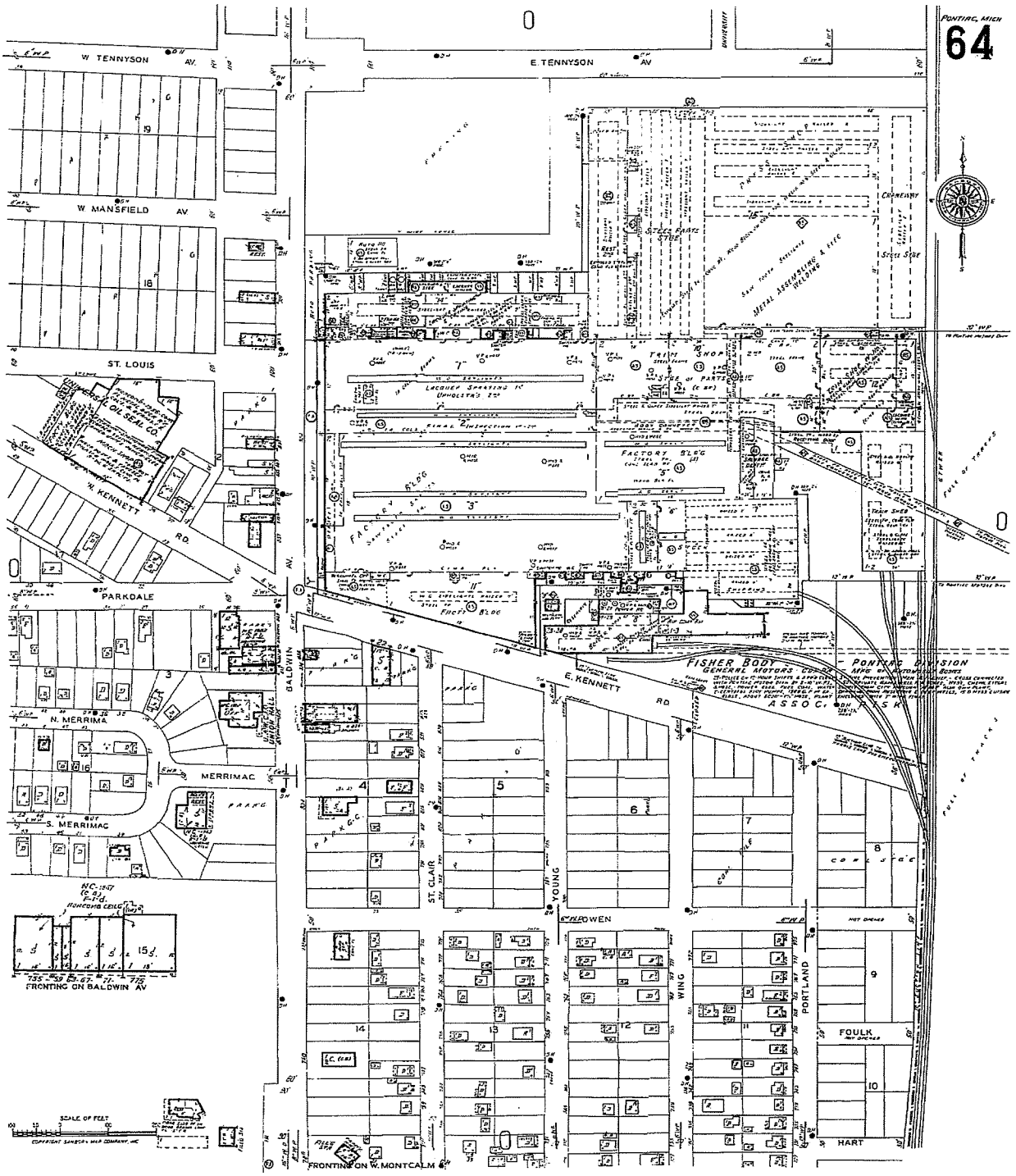


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# APPENDIX F

# AERIAL PHOTOGRAPHS

**OakMap**

Oakland County's Property Information Lookup System

Oakland County Michigan — ONE STOP SHOP

Disclaimer: The information provided in this system has been compiled from recorded deeds, plats, tax maps, surveys and other public records and data. It is not a legally recorded map or survey and is not intended to be used as one. Users of this data are hereby notified that the information sources mentioned above should be consulted for verification of the information.

2002 Color

**Legend**

- Parcel Lines
- Survey Corners
- Section Lines
- 2 Foot Contours
- Parks

1 " equals 150 '

NORTH

*Oakland County Planning and Economic Development Services 1200 North Telegraph Road Bldg. 34 East Pontiac, MI 48341 Phone: 248-858-0720 Web: http://www.co.oakland.mi.us/peds*

**OakMap**

Oakland County's Property Information Lookup System

Oakland County Michigan — ONE STOP SHOP

Disclaimer: The information provided in this system has been compiled from recorded deeds, plats, tax maps, surveys and other public records and data. It is not a legally recorded map or survey and is not intended to be used as one. Users of this data are hereby notified that the information sources mentioned above should be consulted for verification of the information.

2000 Aerials

2002 Aerials

**Legend**

Parcel Lines
Survey Corners
Section Lines
2 Foot Contours
Parks

NORTH

1 " equals 150 '

NORTH

1 " equals 150 '

## Legend

- Parcel Lines
- Survey Corners
- Section Lines
- 2 Foot Contours
- Parks

**2002 Aerials**

**1997 Aerials**

OakMap

Oakland County's Property Information Lookup System

Disclaimer: The information provided in this system has been compiled from recorded deeds, plats, tax maps, surveys and other public records and data. It is not a legally recorded map or survey and is not intended to be used as one. Users of this data are hereby notified that the information sources mentioned above should be consulted for verification of the information.

*Oakland County Planning and Economic Development Services 1200 North Telegraph Road Bldg. 34 East Pontiac, MI 48341 Phone: 248-858-0720 Web: http://www.co.oakland.mi.us/peds*

*Oakland County Planning and Economic Development Services 1200 North Telegraph Road Bldg. 34 East Pontiac, MI 48341 Phone: 248-858-0720 Web: http://www.co.oakland.mi.us/peds*

NORTH

1 " equals 150 '

## Legend

- Parcel Lines
- Survey Corners
- Section Lines
- 2 Foot Contours
- Parks

**2002 Aerials**

**1980 Aerials**

# OakMap

Oakland County's Property Information Lookup System

Disclaimer: The information provided in this system has been compiled from recorded deeds, plats, tax maps, surveys and other public records and data. It is not a legally recorded map or survey and is not intended to be used as one. Users of this data are hereby notified that the information sources mentioned above should be consulted for verification of the information.

*Oakland County Planning and Economic Development Services 1200 North Telegraph Road Bldg. 34 East Pontiac, MI 48341 Phone: 248-858-0720 Web: http://www.co.oakland.mi.us/peds*

NORTH

1 " equals 150 '

**Legend**

- Parcel Lines
- Survey Corners
- Section Lines
- 2 Foot Contours
- Parks

**2002 Aerials**

**1974 Aerials**

OakMap

Oakland County's Property Information LookUp System

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*Oakland County Planning and Economic Development Services 1200 North Telegraph Road Bldg. 34 East Pontiac, MI 48341 Phone: 248-858-0720 Web: http://www.co.oakland.mi.us/peds*

NORTH

1 " equals 150 '

**Legend**

- Parcel Lines
- Survey Corners
- Section Lines
- 2 Foot Contours
- Parks

**2002 Aerials**

**1963 Aerials**

# OakMap

Oakland County's Property Information Lookup System

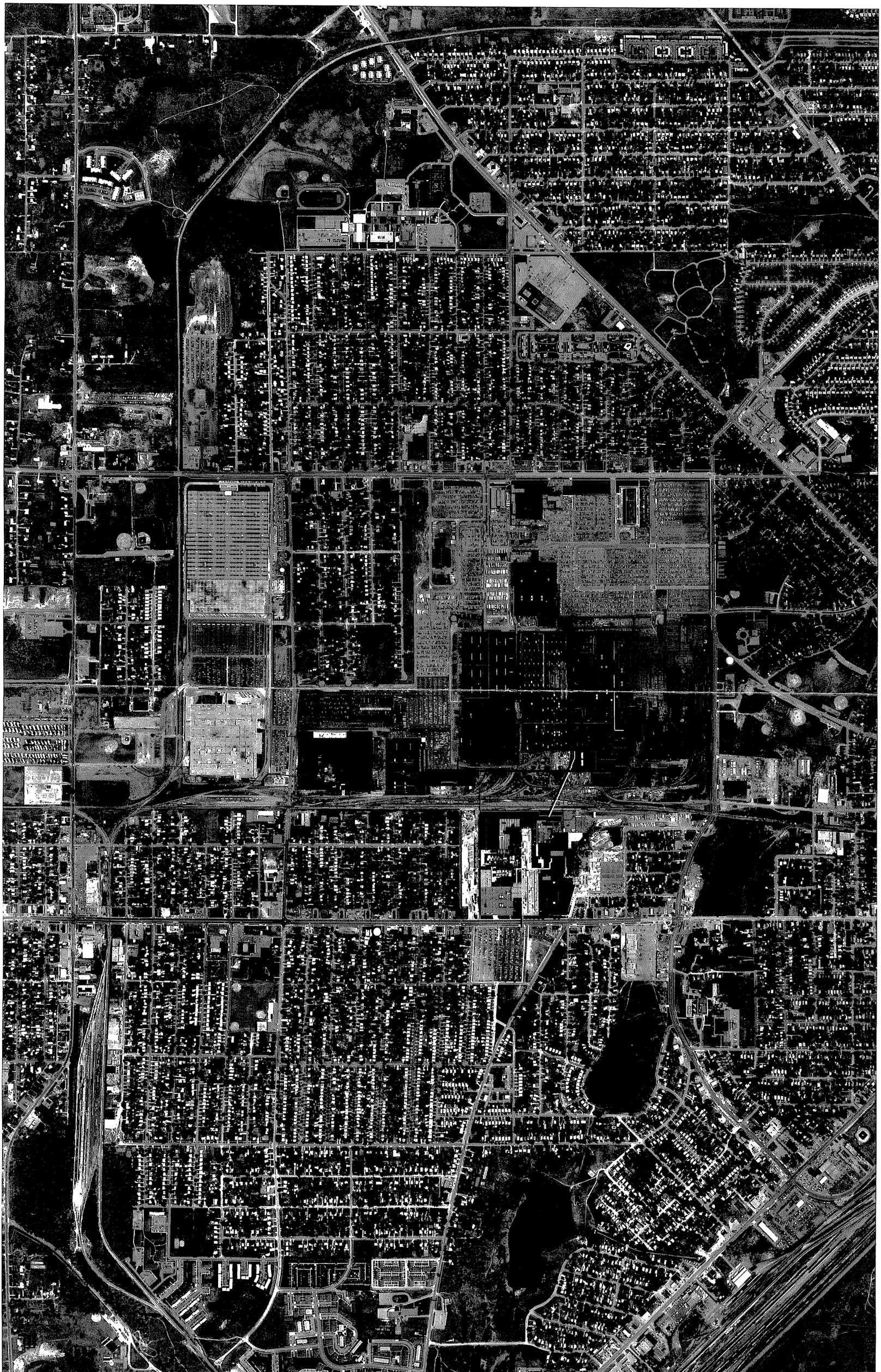
Disclaimer: The information provided in this system has been compiled from recorded deeds, plats, tax maps, surveys and other public records and data. It is not a legally recorded map or survey and is not intended to be used as one. Users of this data are hereby notified that the information sources mentioned above should be consulted for verification of the information.

*Oakland County Planning and Economic Development Services 1200 North Telegraph Road Bldg. 34 East Pontiac, MI 48341 Phone: 248-858-0720 Web: http://www.co.oakland.mi.us/peds*

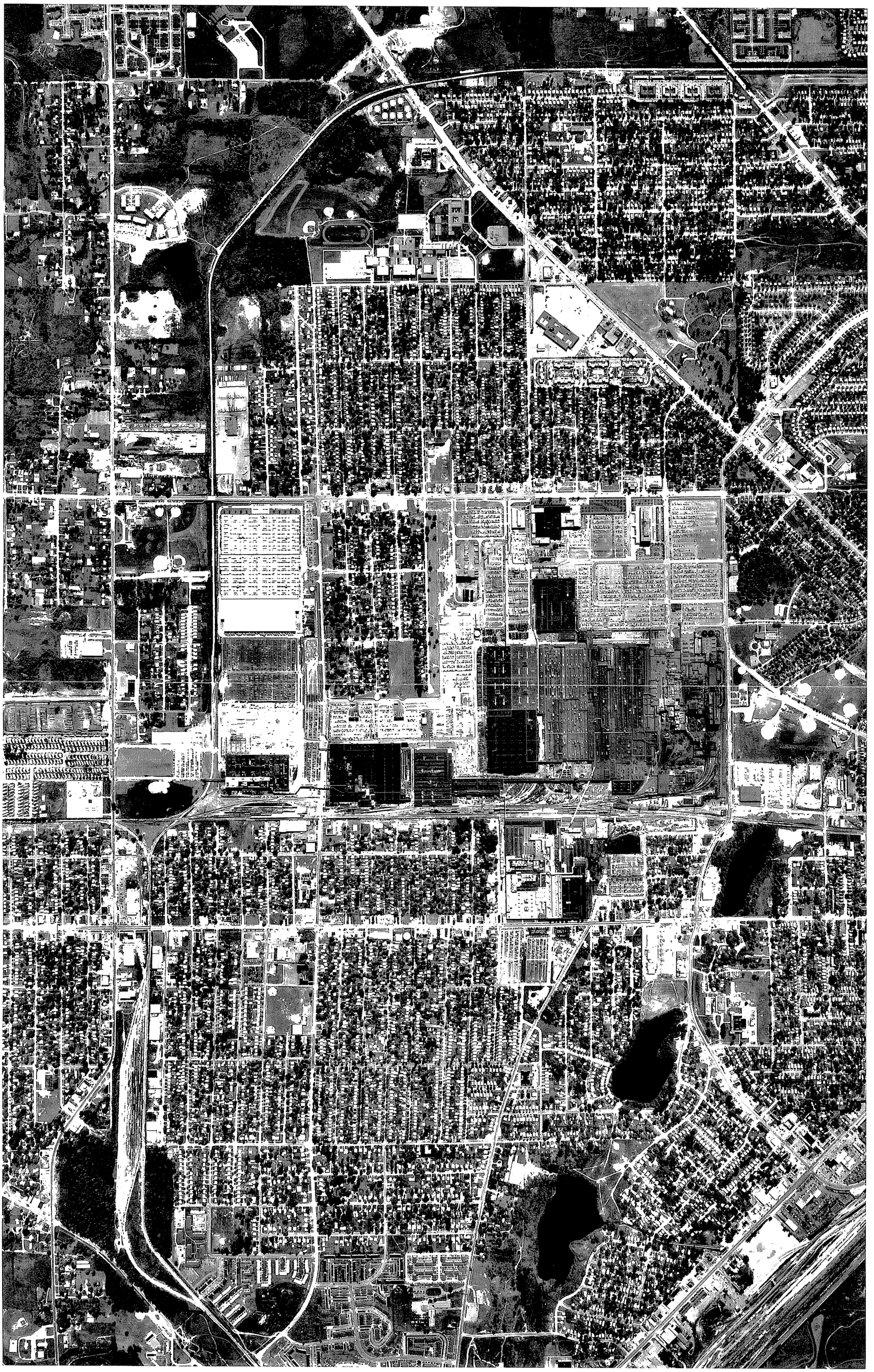
SEMCOG AERIALS
20 00 FLIGHT
PORTION OF
PHOTO # 22-26
SCALE: 1" = 1000

SEMCOG AERIALS
19 95 FLIGHT
PORTION OF
PHOTO # 21-15
SCALE:1"=1000'

SEMCOG AERIALS
19 90 FLIGHT
PORTION OF
PHOTO # 21-14
SCALE:1"=1000'



SEMCOG AERIALS
19 85 FLIGHT
PORTION OF
PHOTO # 21-14
SCALE:1"=1000'



SEMCOG AERIALS
19 80 FLIGHT
PORTION OF
PHOTO # 21-12
SCALE:1"=1000'

SEMCOG AERIALS
19 75 FLIGHT
PORTION OF
PHOTO # 403
SCALE:1"=1000'

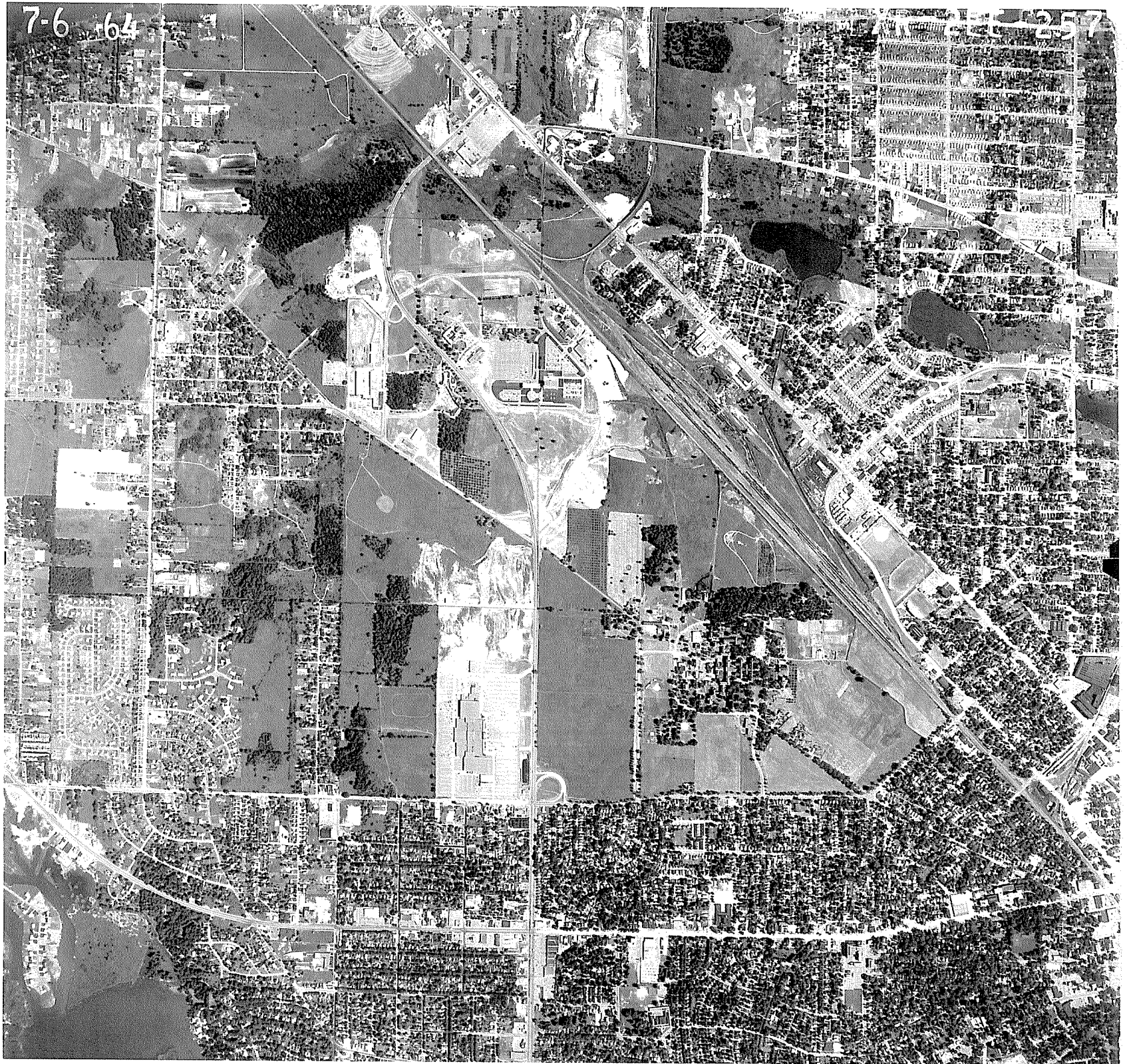
SEMCOG AERIALS
19 70 FLIGHT
PORTION OF
PHOTO # 853
SCALE:1"=1000'

CR 12
ARMM 26

1972

NSN

SEMCOG AERIALS
1966 FLIGHT
PORTION OF
PHOTO # 413
SCALE:1"=1,500'

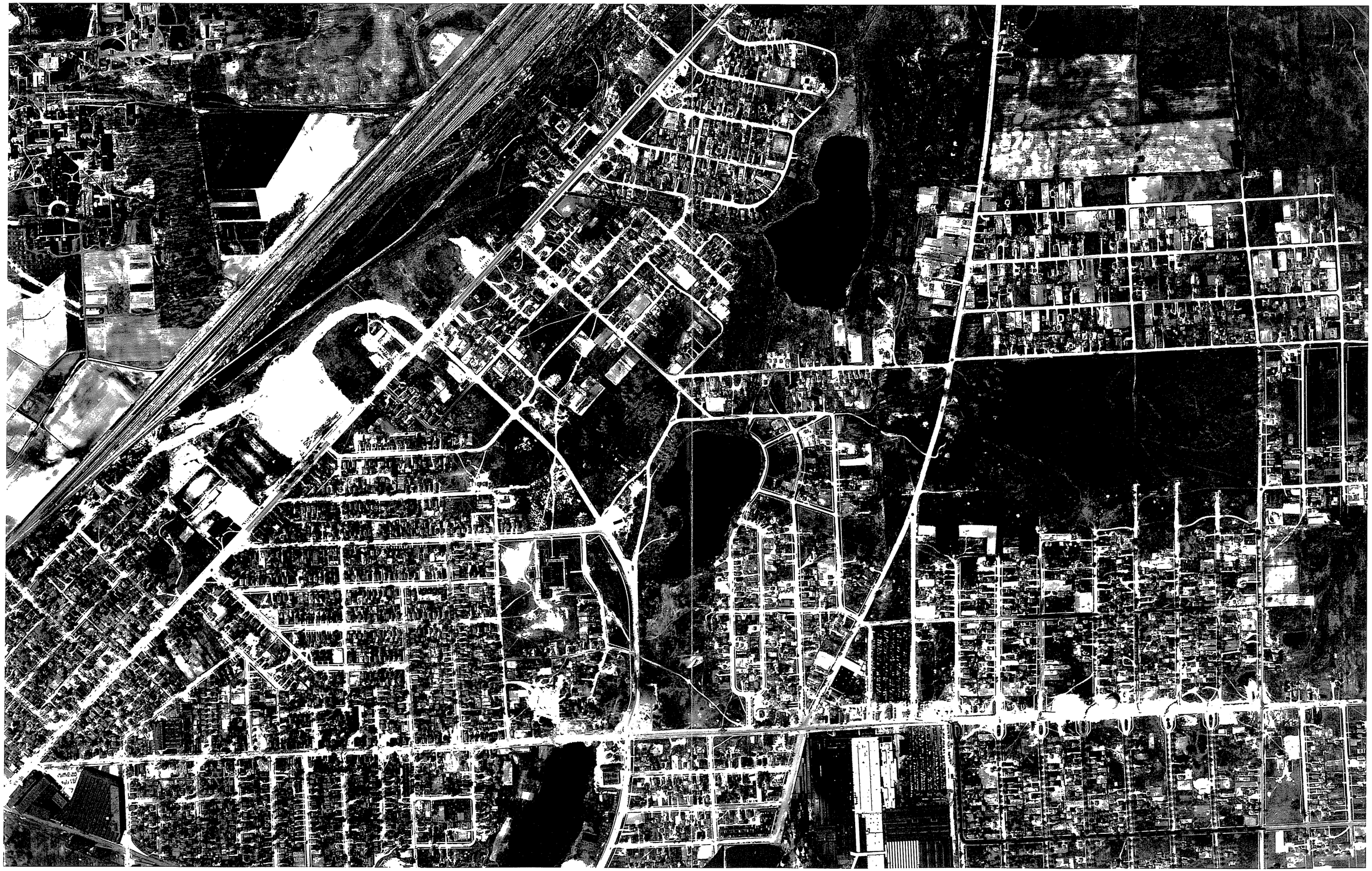

7-6-64

1964
MSU

-3-

GA-22-29

DTE AERIALS
SEMCOG
19 57
FLIGHT # _____
PORTION OF
PHOTO # 22-29
SCALE: 1" = 600'



DTE AERIALS
SEMCOG
19 49
FLIGHT # _____
PORTION OF
PHOTO # 21-157
SCALE: 1" = 600'

8 1 40
XR 2A 145

1940
MSU

# APPENDIX G

# HISTORICAL TOPOGRAPHIC MAPS

Jeri Quigley
Lansing

EDR™ Environmental
Data Resources Inc

# The EDR-Historical Topographic Map Report

**037082 - Pontiac, MI**
**Baldwin Avenue/St. Louis Ave**
**Pontiac, MI 48340**

**August 17, 2004**

**Inquiry Number: 1249399-3**

## The Standard In Environmental Risk Management Information


440 Wheelers Farms Road
Milford, Connecticut 06460

**Nationwide Customer Service**

Telephone: 1-800-352-0050
Fax: 1-800-231-6802

# Environmental Data Resources, Inc.
# Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property, and its surrounding area, resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources. Reasonably ascertainable is defined as information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.*

To meet the prior use requirements of ASTM E 1527-00, Section 7.3.4, the following *standard historical sources* may be used: aerial photographs, city directories, fire insurance maps, topographic maps, property tax files, land title records (although these cannot be the sole historical source consulted), building department records, or zoning/and use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful."* (ASTM E 1527-00, Section 7.3.2 page 12.)

EDR's Historical Topographic Map Report includes a search of available public and private color historical topographic map collections.

**Topographic Maps**

A topographic map (topo) is a color coded line-and-symbol representation of natural and selected artificial features plotted to a scale. Topos show the shape, elevation, and development of the terrain in precise detail by using contour lines and color coded symbols. Many features are shown by lines that may be straight, curved, solid, dashed, dotted, or in any combination. The colors of the lines usually indicate similar classes of information. For example, topographic contours (brown); lakes, streams, irrigation ditches, etc. (blue); land grids and important roads (red); secondary roads and trails, railroads, boundaries, etc. (black); and features that have been updated using aerial photography, but not field verified, such as disturbed land areas (e.g., gravel pits) and newly developed water bodies (purple).

For more than a century, the USGS has been creating and revising topographic maps for the entire country at a variety of scales. There are about 60,000 U.S. Geological Survey (USGS) produced topo maps covering the United States. Each map covers a specific quadrangle (quad) defined as a four-sided area bounded by latitude and longitude. Historical topographic maps are a valuable historical resource for documenting the prior use of a property and its surrounding area, and due to their frequent availability can be particularly helpful when other standard historical sources (such as city directories, fire insurance maps, or aerial photographs) are not reasonably ascertainable.

Please call EDR Nationwide Customer Service at
1-800-352-0050 (8am-8pm ET)
with questions or comments about your report.
*Thank you for your business!*

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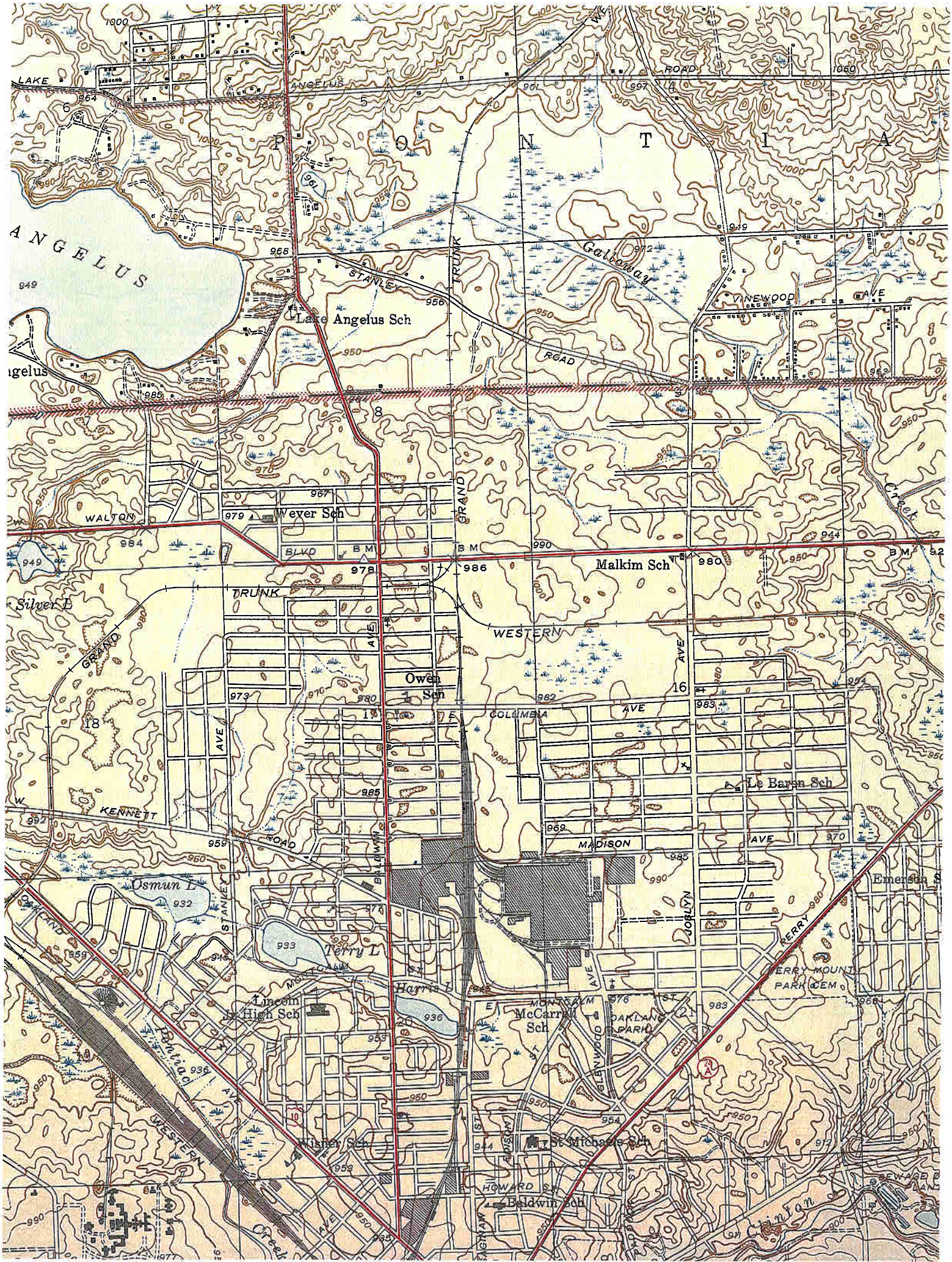

PONTIAC
ANGELUS
LAKE
ANGELUS
ROAD
STANLEY
TRUNK
Galloway
VINEWOOD
AVE
Lake Angelus Sch
ROAD
WALTON
BLVD
Wever Sch
GRAND
Malkim Sch
TRUNK
WESTERN
AVE
Owen Sch
COLUMBIA
AVE
Le Barron Sch
KENNETT
ROAD
MADISON
AVE
Osmun L
STANLEY
Terry L
Harris L
Lincoln Jr High Sch
McCarroll Sch
OAKLAND PARK
GLENWOOD
JORDAN
KERRY
KERRY MOUNT PARK CEM
Emerson
Pontiac
WESTERN
AVE
Wisner Sch
St Michaels Sch
HOWARD
Baldwin Sch
Silver L
Creek

Inquiry Number: 1249399.3

TP Quad [X] Adj Quad [] ↑N

Quad Pontiac N

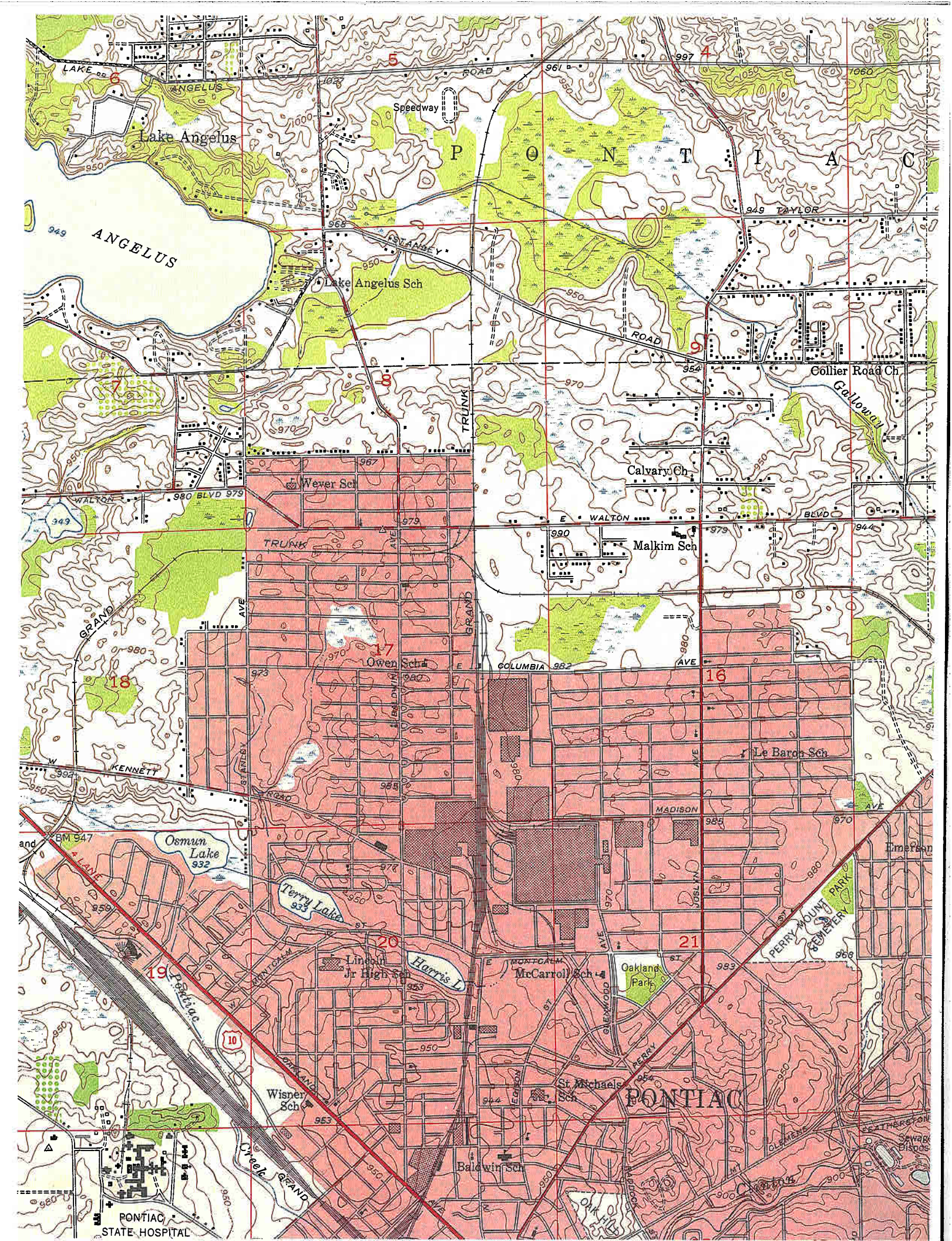
Minute Series [X] 7.5 [] 15 [] 30 [] 30x60

Year 1943 []Provisional Edition []Revised

[]Photorevised []Inspected from N/A

[X] 1:24,000 [] 1:25,000 [] 1:31,680 [] 1:50,000

[] 1:62,500 [] 1:100,000 [] 1:125,000


Lake Angelus
ANGELUS
Speedway
PONTIAC
Lake Angelus Sch
Collier Road Ch
Calvary Ch
Wever Sch
Malkim Sch
Owen Sch
Le Baron Sch
Osmun Lake
Terry Lake
Harris L
Lincoln Jr High Sch
McCarroll Sch
Oakland Park
St. Michaels Sch
Wisner Sch
Baldwin Sch
PONTIAC STATE HOSPITAL
PERRY MOUNT PARK CEMETERY
LAKE RD
ROAD
TAYLOR
WALTON BLVD
TRUNK
GRAND AVE
COLUMBIA
MADISON
KENNETT
MONTCALM
OAKLAND
PERRY
4 LANE
BM 947

Inquiry Number: 1249393.3

TP Quad [X] Adj Quad [] ↑N

Quad Pontiac N

Minute Series [X] 7.5 [] 15 [] 30 [] 30x60

Year 1952 []Provisional Edition []Revised

[]Photorevised []Inspected from MA

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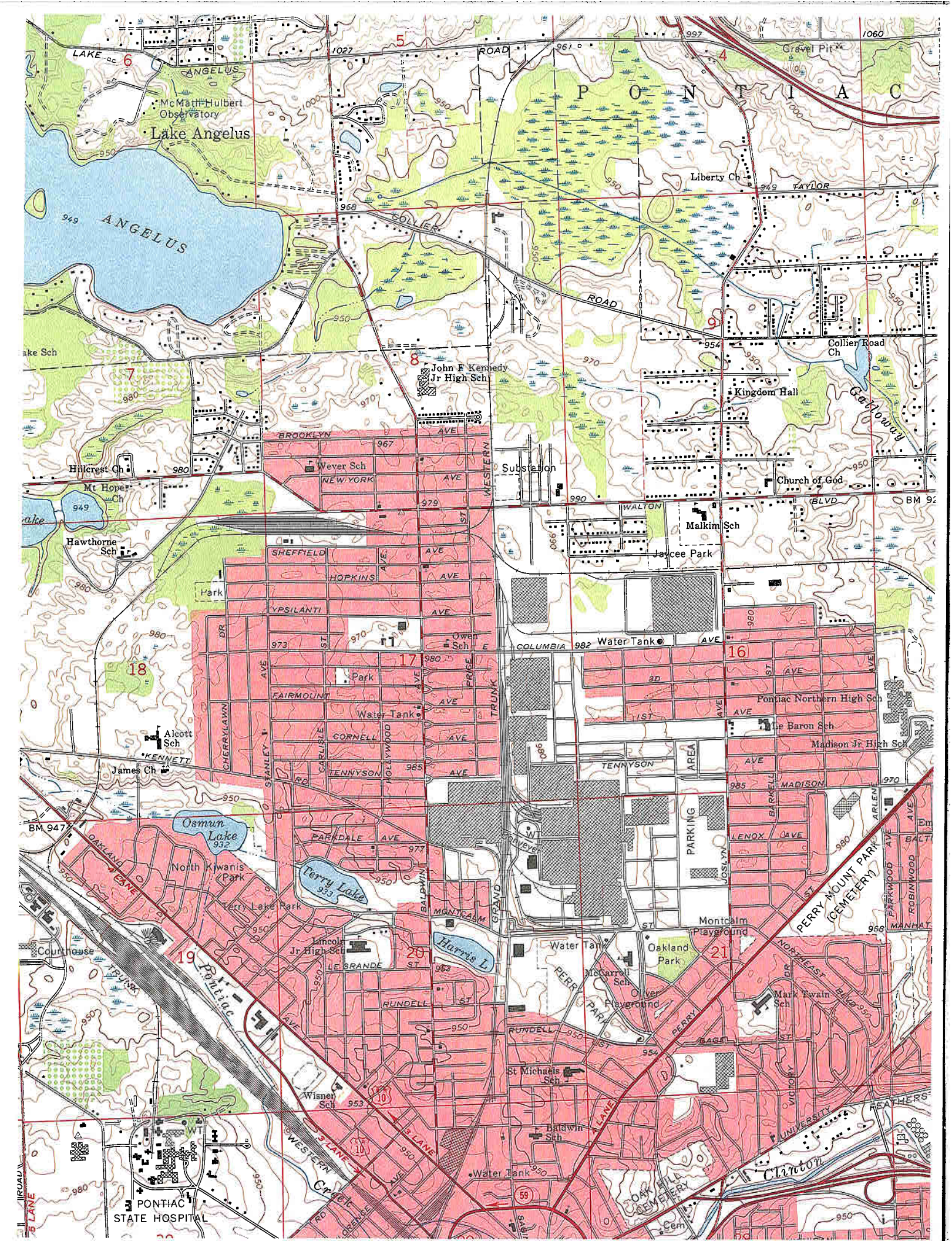
LAKE
ANGELUS
McMath-Hulbert Observatory
Lake Angelus
ANGELUS
PONTIAC
Gravel Pit
Liberty Ch
TAYLOR
COLLIER
ROAD
John F Kennedy Jr High Sch
Collier Road Ch
Kingdom Hall
Galloway
Substation
Church of God
BROOKLYN
NEW YORK
WESTERN
Wever Sch
Hillcrest Ch
Mt Hope Ch
Hawthorne Sch
WALTON
BLVD
Malkim Sch
Jaycee Park
SHEFFIELD
HOPKINS
YPSILANTI
Park
Owen Sch
COLUMBIA
Water Tank
FAIRMOUNT
CHERRYLAWN
STANLEY
CARLISLE
CORNELL
HOLLYWOOD
TENNYSON
PRICE
TRUNK
Pontiac Northern High Sch
Le Baron Sch
Madison Jr High Sch
Alcott Sch
KENNETT
James Ch
AREA
PARKING
MADISON
LENOX
BARKELL
JOSLYN
Osmun Lake
PARKDALE
North Kiwanis Park
Terry Lake
Terry Lake Park
BALDWIN
MONTCALM
GRAND
Montcalm Playground
PERRY MOUNT PARK (CEMETERY)
Courthouse
Lincoln Jr High Sch
LE GRANDE
Harris L
Water Tank
Oakland Park
McCarroll Sch
Oliver Playground
PERRY
RUNDELL
Mark Twain Sch
NORTHEAST
DR
BLVD
EAGER
VICTORY
UNIVERSITY
FEATHERS
St Michaels Sch
Wisner Sch
Baldwin Sch
Clinton
Water Tank
Creek
OAKLAND CEMETERY
Cem
PONTIAC STATE HOSPITAL
3 LANE
4 LANE
5 LANE
59
10

Inquiry Number: 1249399.3

TP Quad [X] Adj Quad [] ↑N

Quad Pontiac N

Minute Series [X] 7.5 [] 15 [] 30 [] 30x60

Year 1968 [] Provisional Edition [] Revised

[] Photorevised [] Inspected from NA

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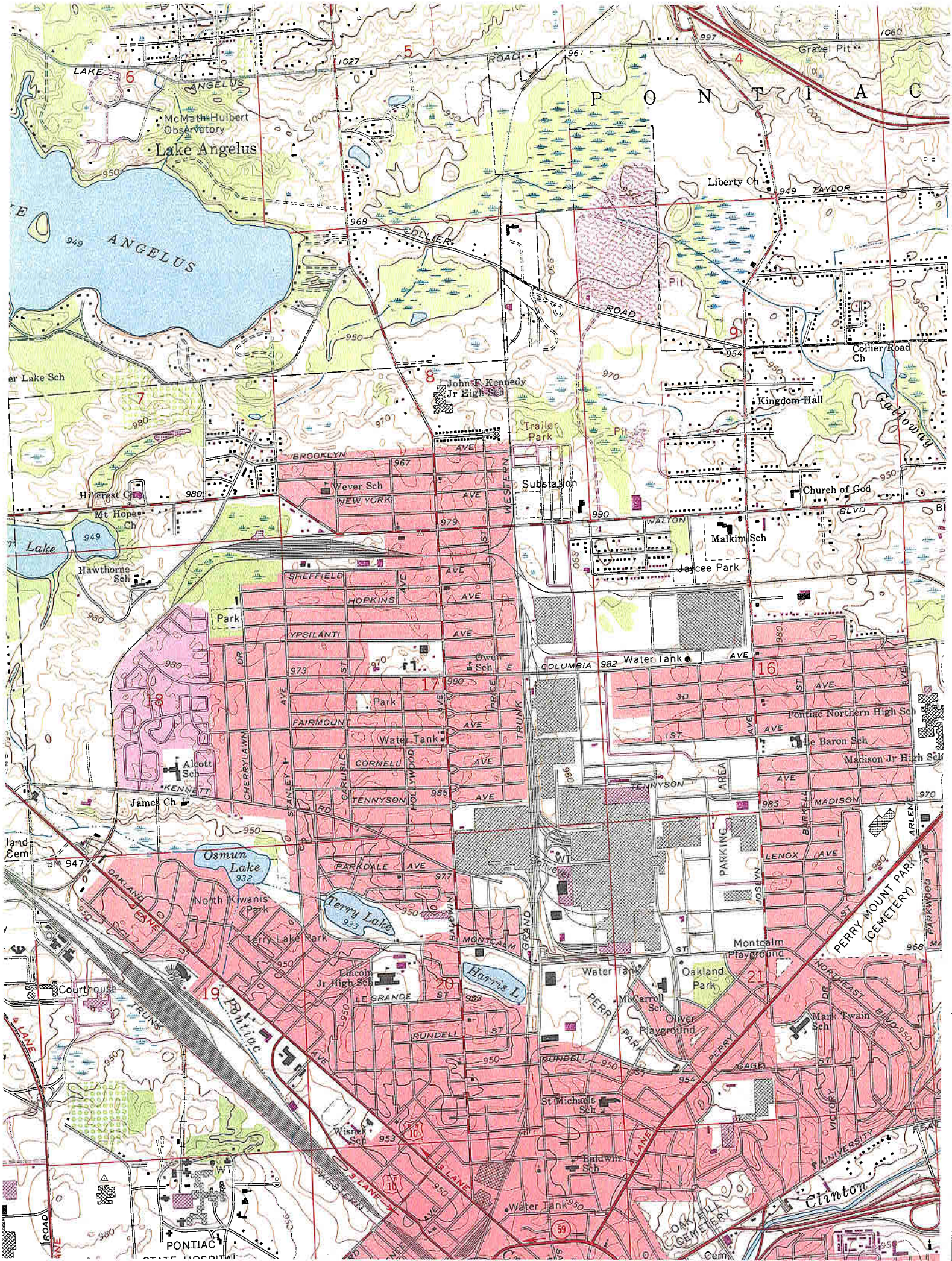
PONTIAC
Lake Angelus
McMath-Hulbert Observatory
LAKE ANGELUS
ANGELUS
COLLIER ROAD
Gravel Pit
Liberty Ch
TAYLOR
Pit
Collier Road Ch
Kingdom Hall
Galloway
John F. Kennedy Jr High Sch
Trailer Park
Pit
Substation
Church of God
Malkim Sch
Jaycee Park
Water Tank
Wever Sch
Hillcrest Ch
Mt Hope Ch
Hawthorne Sch
Park
Owen Sch
Alcott Sch
James Ch
Osmun Lake
North Kiwanis Park
Terry Lake
Terry Lake Park
Courthouse
Lincoln Jr High Sch
Harris L
Pontiac Northern High Sch
Le Baron Sch
Madison Jr High Sch
Montcalm Playground
Oakland Park
McCarroll Sch
Oliver Playground
Mark Twain Sch
St Michaels Sch
Wisner Sch
Baldwin Sch
PERRY MOUNT PARK (CEMETERY)
OAK HILL CEMETERY
Clinton
Lake Sch
Cem
Lake
Park
Water Tank
Water Tank
Water Tank

Inquiry Number: 1249399.3

TP Quad [X] Adj Quad [] ↑N

Quad Pontiac N

Minute Series [X] 7.5 [] 15 [] 30 [] 30x60

Year 1973 []Provisional Edition []Revised

[]Photorevised []Inspected from '68

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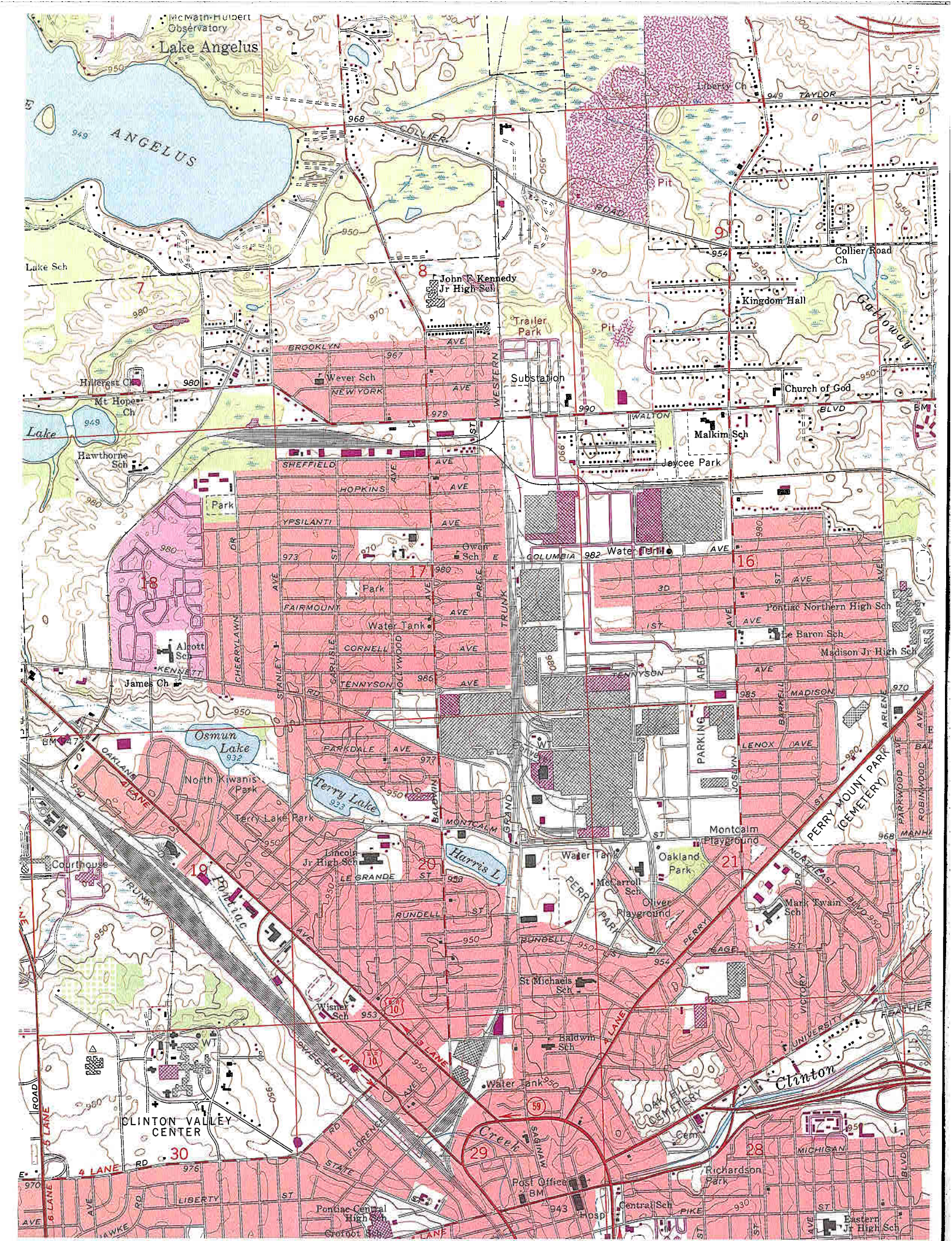
McMath-Hulbert Observatory
Lake Angelus
ANGELUS
Liberty Ch
TAYLOR
COLLIER
ROAD
Pit
Collier Road Ch
Lake Sch
John F Kennedy Jr High Sch
Kingdom Hall
Galloway
Trailer Park
Pit
BROOKLYN AVE
Wever Sch
NEW YORK AVE
WESTERN ST
Substation
Church of God
Hillcrest Ch
Mt Hope Ch
Lake
WALTON BLVD
Malkim Sch
Joycee Park
Hawthorne Sch
SHEFFIELD AVE
HOPKINS AVE
Park
YPSILANTI AVE
Owen Sch
COLUMBIA
Water Tank
Pontiac Northern High Sch
Le Baron Sch
Madison Jr High Sch
FAIRMOUNT AVE
Water Tank
CORNELL AVE
TENNYSON AVE
Abbott Sch
KENNETT
James Ch
CHERRYLAWN
STANLEY
CARLISLE
HOLLYWOOD
TRUNK
PRICE
AREA
PARKING
LENOX AVE
MADISON
Osmun Lake
PARKDALE AVE
North Kiwanis Park
Terry Lake
Terry Lake Park
BALDWIN
MONTCALM
GRAND
Montcalm Playground
PERRY MOUNT PARK (CEMETERY)
OAKLAND
4 LANE
Courthouse
Lincoln Jr High Sch
LE GRANDE ST
Harris L
Water Tank
Oakland Park
McCarroll Sch
Oliver Playground
Mark Twain Sch
PERRY PARK
RUNDELL ST
PERRY
SAGE ST
St Michaels Sch
Wisner Sch
Baldwin Sch
Water Tank
Clinton
OAK HILL CEMETERY
CLINTON VALLEY CENTER
SAGINAW
Creek
MICHIGAN
Richardson Park
Post Office
Central Sch
Hosp
Pontiac Central High Sch
Eastern Jr High Sch
LIBERTY ST
STATE
PIKE
6 LANE
5 LANE
3 LANE
2 LANE

Inquiry Number: 1249393

TP Quad [X] Adj Quad [] ↑N

Quad Pontiac N

Minute Series [X] 7.5 [] 15 [] 30 [] 30x60

Year 1983 []Provisional Edition []Revised

[X]Photorevised []Inspected from '68

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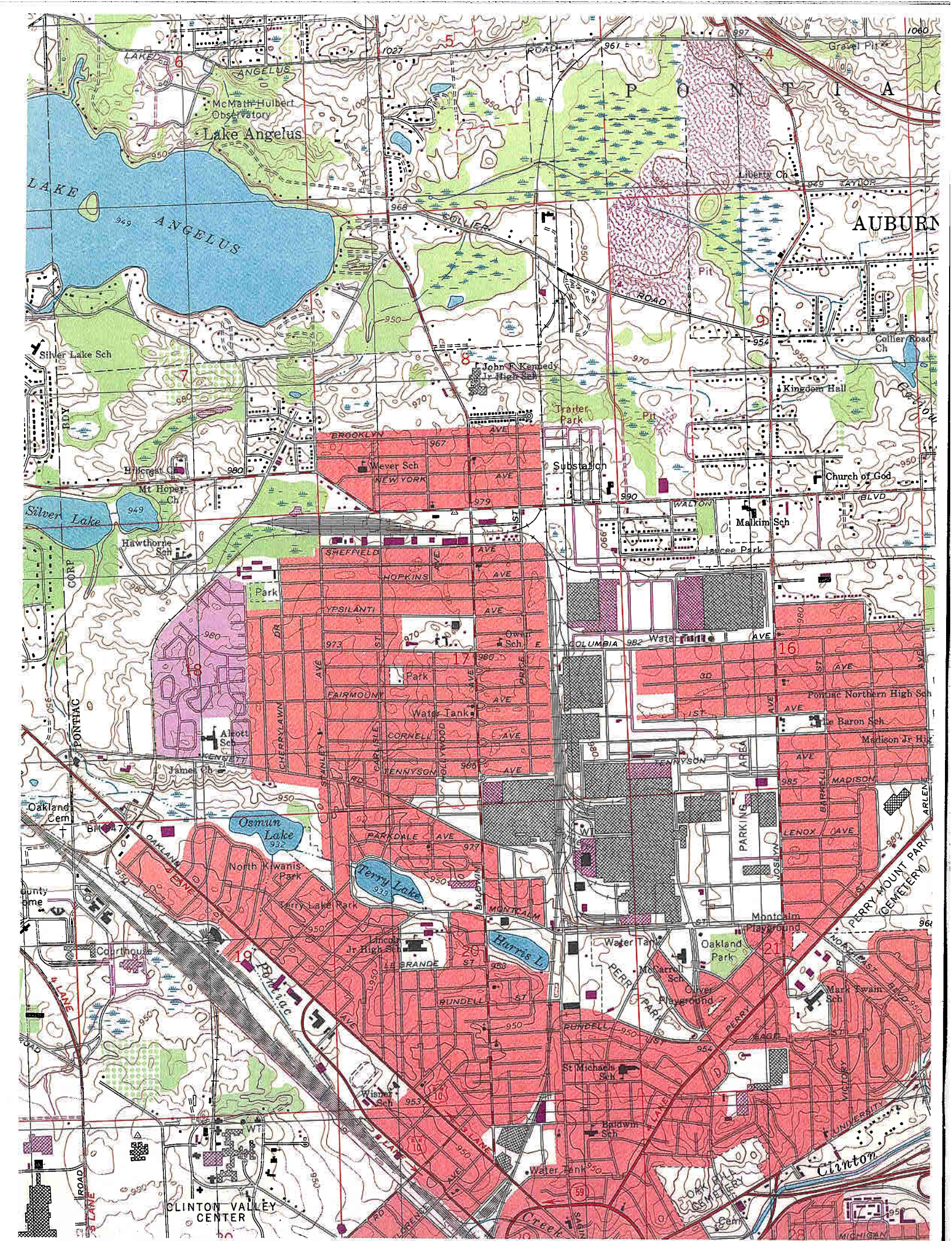
Lake Angelus
McMath-Hulbert Observatory
LAKE ANGELUS
Silver Lake Sch
Silver Lake
Mt Hope Ch
Hawthorne Sch
Wever Sch
John F Kennedy Jr High Sch
Trailer Park
Substation
Kingdom Hall
Church of God
Collier Road Ch
Liberty Ch
Gravel Pit
Pit
AUBURN
Malkim Sch
Jaycee Park
Owen Sch
Water Tank
Pontiac Northern High Sch
Le Baron Sch
Madison Jr Hi
Alcott Sch
James Ch
Oakland Cem
Osmun Lake
North Kiwanis Park
Terry Lake
Terry Lake Park
Harris L
Lincoln Jr High Sch
Courthouse
Montcalm Playground
Oakland Park
McCarroll Sch
Oliver Playground
Mark Twain Sch
St Michaels Sch
Wisner Sch
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CLINTON VALLEY CENTER
Clinton
OAKLAND CEMETERY
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PONTIAC
BROOKLYN AVE
NEW YORK AVE
SHEFFIELD AVE
HOPKINS AVE
YPSILANTI AVE
FAIRMOUNT AVE
CORNELL AVE
TENNYSON AVE
PARKDALE AVE
LENOX AVE
MADISON AVE
WALTON BLVD
COLUMBIA AVE
MONTCALM ST
LE GRANDE ST
RUNDELL ST
SAGE ST
OAKLAND AVE
PERRY ST
4 LANE

Inquiry Number: 1249393

TP Quad [X] Adj Quad [] ↑N

Quad Pontiac N

Minute Series [X] 7.5 [] 15 [] 30 [] 30x60

Year 1997 []Provisional Edition []Revised

[]Photorevised []Inspected from 2004

[X] 1:24,000 [] 1:25,000 [] 1:31,680 [] 1:50,000

[] 1:62,500 [] 1:100,000 [] 1:125,000

# APPENDIX H

# SITE PHOTOGRAPHS

PHOTO 1: VIEW OF SITE (FACING SOUTHEAST)

PHOTO 2: VIEW OF SITE AND FORMER FIERO PLANT (FACING EAST)

# SITE PHOTOGRAPHS
# FORMER FIERO PLANT PARKING LOT
*Pontiac, Michigan*

PHOTO 3: VIEW OF SITE AND ADJACENT RESIDENTIAL HOMES (FACING SOUTH)

PHOTO 4: VIEW OF SITE AND ADJACENT RESIDENTIAL HOMES (FACING WEST)

# SITE PHOTOGRAPHS
# FORMER FIERO PLANT PARKING LOT
*Pontiac, Michigan*

PHOTO 5: VIEW OF SITE AND ADJACENT RESIDENTIAL HOMES (FACING NORTH)

PHOTO 6: VIEW OF SITE AND ADJACENT VENTURA LOUNGE AND GRILL/FIERO PLANT (FACING SOUTHEAST)

# SITE PHOTOGRAPHS
# FORMER FIERO PLANT PARKING LOT
*Pontiac, Michigan*