

December 9, 2009

010-15317-00

Robert W. Hare, P.E., CHMM
Director, Environmental
Motors Liquidation Company
500 Renaissance Drive, Suite 1400
Detroit, Michigan 48243

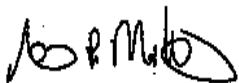
Subject: Phase I Environmental Site Assessment
MLC ID 1001
Employee Development Center
65 University Drive
Pontiac, Michigan

Dear Mr. Hare:

Attached is the Phase I Environmental Site Assessment (ESA) report for the above-referenced property. The conclusions presented in this report are based on the results of a reconnaissance-level site visit conducted by LFR Inc. (LFR) personnel and a review of available and pertinent background information.

LFR appreciates this opportunity to provide our environmental consulting services to you. If you have any questions concerning this project, please contact me at (781) 356-7300.

Sincerely,



Stephen P. McCarthy
Principal Scientist

Attachments

**Phase I Environmental Site Assessment
MLC ID 1001
Employee Development Center
65 University Drive
Pontiac, Michigan**

**December 9, 2009
LFR Project No. 010-15317-00**

Prepared for
Motors Liquidation Company
500 Renaissance Drive, Suite 1400
Detroit, Michigan 48243

Prepared by
LFR Inc.
194 Forbes Road
Braintree, Massachusetts 02184
www.lfr.com

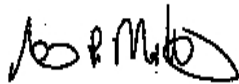
The environmental assessment described herein was conducted by the undersigned, of LFR Inc. (LFR). LFR's investigation consisted solely of the activities described in the Introduction of this report, in accordance with LFR Proposal No. P10-05008-09-718, and is subject to the Terms and Conditions of the Standard Consulting Services Agreement signed prior to initiation of the assessment.

Report Prepared By:

 For

Stephen P. Zins
Senior Geologist

Report Reviewed By:



Stephen P. McCarthy
Principal Scientist

EXECUTIVE SUMMARY

LFR Inc. (LFR) performed a Phase I Environmental Site Assessment (ESA) of the property located at 65 University Drive, Pontiac, Michigan (the Site). The Site consists of approximately 3.7 acres of land and is improved with an approximately 40,459-square-foot abandoned commercial building that was most recently occupied by an office/warehouse and engineering operations. According to historical resources reviewed, it appears the Site was developed with the present building in the 1950s. The building was initially occupied by an automobile dealership. The Site was then operated by Pontiac Motor Division until 1978 when it was converted to GM Truck and Bus Division Plant #13 for engineering and construction of prototype vehicles. Engineering operations reportedly ceased at the property in 1992 and the building was remodeled. The building was used as a training and employee development center from 1994 through January 2007.

The purpose of the Phase I ESA is to identify, to the extent feasible pursuant to the processes prescribed in the American Society for Testing and Materials (ASTM) document E 1527-05, recognized environmental conditions (RECs) in connection with the Site. A summary of our key findings is provided below:

- According to historical documentation, a former 1,000-gallon gasoline underground storage tank (UST) and former 1,000-gallon waste oil UST were installed north and northeast of the Site building on April 4, 1950. In 1986, the waste oil UST was converted to a spill tank for dilute sulfuric acid. Previous reports indicate that the former gasoline UST was closed in place and filled with sand in 1980. In December 1990, the USTs and an associated gasoline dispenser were removed. A release was reported to the Michigan Department of Environmental Quality (MDEQ) on June 7, 1991. Several historical subsurface investigations have been conducted in the vicinity of the former USTs.
- The Site building is currently vacant because the boiler is inoperable, the basement is flooded, and gasoline vapor at levels exceeding vapor intrusion criteria have been measured beneath the floor slab near the former gasoline release.
- According to historical documentation, eleven underground hydraulic lifts were installed in 1978 at the first floor garage/warehouse portion of the Site building. A former dynamometer pit was formerly located in the northwest corner of the first floor. Locations of the former underground hydraulic lifts and the former dynamometer pit were not observed at the time of LFR's assessment.

- According to historical documentation, a former oil/sand separator was located in the western portion of the Site where a classroom currently exists. At the time of the assessment, the former location of the separator was covered with carpet and could not be observed.
- LFR observed one floor drain in the air conditioning room and floor drains in the automotive laboratory rooms during the Site reconnaissance. Historical documentation indicates that the drains connect to a sump located in the boiler room of the basement. During the site visit, LFR observed the basement to be flooded. In addition, historic documentation also indicates that a trench-style floor drain in the basement connects to an adjacent sump which drains to the City of Pontiac's sanitary sewer system.
- In November and December 2006, ARCADIS installed 25 soil borings, four monitoring wells and one extraction well as part of a due diligence investigation. Soil samples were collected from each soil boring. Grab groundwater samples were collected from 14 of the soil borings and groundwater sampling was conducted on the monitoring wells. Gasoline constituents were detected in soil and groundwater in the area of the former gasoline UST underground piping and dispenser. Chlorinated solvents were also detected in groundwater samples in and around the site building. On November 14, 2006, ARCADIS notified MDEQ of the release and the site was assigned Incident No. C-0328-06. ARCADIS submitted an Initial Assessment Report (IAR) dated February 5, 2007. The IAR concluded that concentrations of chlorinated solvents, gasoline and motor oil constituents present in soil and groundwater exceed various Michigan clean-up and risk based screening level criteria. ARCADIS installed one extraction well during the IAR. The IAR did not report free phase product in the extraction well in 2007 but did report a sheen.
- ARCADIS is currently conducting additional onsite and offsite assessments. During an additional onsite investigation performed in March 2008, measurable light non-aqueous phase liquid (LNAPL) was observed in one recovery well and removal activities were initiated. At the time of this report, the installation of offsite wells on adjacent city property has not occurred due to the inability of GM and the City of Pontiac to execute an access agreement.
- This assessment has revealed evidence of one off-site environmental concern. Review of the 1924 Sanborn® Map depicts a filling station with two gasoline USTs approximately 125 feet west-southwest of the Site boundary. Documentation regarding registration or closure of the USTs was not reported.

CONCLUSION

LFR performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the property located at 65 University Drive, Pontiac, Michigan. Any exceptions to, or deletions from, this practice are described in Section 9 of this report. This assessment has revealed the following RECs associated with the Site:

- The former 1,000-gallon gasoline UST and former 1,000-gallon waste oil/dilute sulfuric acid overflow/spill UST were installed on April 4, 1950. In December 1990, both USTs and an associated gasoline dispenser were removed. Several historical investigations have been conducted at the Site and response actions are presently ongoing.
- Eleven underground hydraulic lifts installed in 1978 in the first floor garage/warehouse portion of the Site building. A former dynamometer pit was formerly located in the northwest corner of the first floor.
- A former oil/sand separator located in the western portion of the Site where a classroom currently exists.
- A floor drain in the air conditioning room on the second floor and floor drains in the auto maintenance lab room. According to historical documentation, the drains connect to a sump located in the boiler room of the basement; however, during the assessment the basement was observed to be flooded.
- Recent investigations performed by ARCADIS have detected gasoline constituents in soil and groundwater in the area of the former gasoline UST underground piping and dispenser. Chlorinated solvents have also been detected in groundwater samples in and around the Site building. In March 2008, measurable LNAPL was observed in one recovery well and removal activities have been initiated.

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1.0 INTRODUCTION

LFR Inc. (LFR) performed a Phase I Environmental Site Assessment (ESA) of the property located at 65 University Drive, Pontiac, Michigan (the Site). The Site consists of approximately 3.7 acres of land that is improved with an approximately 40,459-square-foot abandoned commercial building that was most recently used as an office/warehouse and engineering operations by GM in 2007.

1.1 Purpose

Motors Liquidation Company (the Client) requested that LFR conduct a Phase I ESA of the Site. The objective of the ESA was to identify RECs in connection with the property, to the extent feasible pursuant to the processes prescribed in American Society for Testing and Materials (ASTM) E 1527-05 guidelines. The term “REC” as defined by the ASTM is 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 the material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. 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 the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

This Phase I ESA includes information gathered from federal, state, and local agencies; personal interviews with people familiar with the Site and surrounding properties; and a site visit conducted by a LFR representative.

1.2 Detailed Scope of Services

The Phase I ESA conducted by LFR included, but was not limited to, the following services:

- a reconnaissance-level visit of the Site to look for evidence of the release(s) of hazardous materials and petroleum products and to assess the potential for on-site releases of hazardous materials and petroleum products
- drive-by observations of adjacent properties and the site vicinity
- interviews with people familiar with the Site, as available
- review of regulatory and local agency files, as necessary
- review of historical documents, as available
- preparation of a report presenting our findings, including a summary of conclusions

1.3 Significant Assumptions

The purpose of this Phase I ESA is to provide appropriate inquiry into the previous ownership and use of the Site consistent with good commercial and customary practice in an effort to minimize liability. LFR also assumes that the information provided by the Client, the regulatory database provider, and regulatory agencies is true and reliable.

1.4 Limitations and Exceptions

The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by LFR and the original party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. To the extent that LFR relied upon any information prepared by other parties not under contract to LFR, LFR makes no representation as to the accuracy or completeness of such information. Only the party for whom this report was originally prepared, its lenders, insurers and professionals, and other specifically named parties, may make use of and rely upon the information in this report, in its entirety, for a period not to exceed 180 days in accordance with the American Society for Testing and Materials (ASTM's) "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" ASTM Designation E 1527-00 dated May 10, 2000, ASTM's "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" ASTM Designation E 1527-05 dated November 1, 2005, and/or the Code of Federal Regulations (CFR) 40 CFR Part 312 "Standards and Practices for All Appropriate Inquiries: Final Rule" dated November 1, 2005. After 180 days and prior to using the information contained herein, the report should be updated in accordance with ASTM Standards and Federal regulations.

The findings presented in this report apply solely to site conditions existing at the time when LFR's assessment was performed. It must be recognized, however, that an ESA is intended for the purpose of evaluating the potential for contamination through limited research and investigative activities and in no way represents a conclusive or complete site characterization. Conditions in other parts of the project site may vary from those at the locations where data were collected. LFR's ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100% confidence in ESA conclusions cannot reasonably be achieved.

LFR, therefore, does not provide any guarantees, certifications, or warranties (express or implied) that a property is free from environmental contamination. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and all applicable laws, codes, regulations, or standards.

1.5 User Reliance

This report is for the exclusive use of Motors Liquidation Company. Use of this report by any other party shall be at such party's sole risk.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The Site is located at 65 University Drive, Pontiac, Oakland County, Michigan. It is located at the southwestern corner of the intersection of North Mill Street and East University Drive in downtown Pontiac. Mill Street and Woodward Avenue bound the Site to the north and east, respectively.

Refer to Figure 1 for the location of the Site.

2.2 Site and Vicinity General Characteristics

The Site is an irregularly-shaped tract of land that is situated in a mixed commercial/residential area in downtown Pontiac. Commercial properties are located along Mill Street and University Drive. Woodward Avenue abuts the east side of the Site beyond which is residential areas.

2.3 Current Use of the Site

The Site is currently occupied by an abandoned commercial building.

2.4 Descriptions of Structures, Roads, and Other Improvements on the Site

The Site is occupied by a 40,459-square foot, two-story commercial building that is currently vacant. The Site building was constructed in the 1950s and is a concrete block structure that is built on a concrete foundation with a basement. The building is situated on the southwestern side of the Site, with an asphalt-paved parking lot situated to the north and east of the building. Access to the Site is via gates off of University Street to the south and North Mill Street to the northwest. The entire property is surrounded by a chain-link fence.

The first floor interior of the building is comprised of classrooms and offices along the southeastern portion of the building and an auto maintenance laboratory room, an auto laboratory classroom and garage areas on the northwestern portion of building. The second floor interior consists of offices, classrooms and an air conditioning/mechanical room. The basement was flooded at the time of the site visit but is reported to contain a boiler room, an elevator control room, and exercise area and several storage areas.

The Site is connected to the municipal sewer and water utilities as well as electrical, natural gas, and telephone utilities.

Refer to Figure 2 for a plan depicting the layout of the Site.

2.4.1 Source of Potable Water

The City of Pontiac provides drinking water to the Site.

2.4.2 Sewage Disposal System

The Site is serviced by the City of Pontiac municipal sewer system. The Site has been connected to the municipal sewer system since construction.

2.4.3 Heating/Cooling Systems

The building is heated by a natural gas fired boiler that is situated in the basement. Cooling is provided by an electrical-powered air conditioner located on the second floor.

2.4.4 Solid Waste Disposal

Solid waste is not generated at Site.

2.5 Current Uses of Adjoining Properties

The use of the adjoining properties at the time of LFR's investigation is summarized as follows:

- The Site is abutted to the north by Mill Street beyond which is single-family residences.
- The Site is abutted to east by Woodward Avenue (Wide Track E Drive) beyond which the single-family residences.

- The Site is abutted to the south by University Drive beyond which are commercial properties (Gary Bornstein Health Clinic and Clutch Cargo).
- The Site is abutted to the west by Mill Street beyond which are commercial properties (Tiny Tots Daycare and Rich Sign Service).

3.0 USER-PROVIDED INFORMATION

The following items regarding the Site were requested by LFR to the Client's representative. The questionnaire was completed by Mr. Robert Hare. Refer to Appendix A for a copy of the questionnaire.

3.1 Title Records

Title records were not provided to LFR for review.

3.2 Environmental Liens or Activity and Use Limitations

Mr. Hare was asked the following questions as part of the assessment:

- Is he aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law? **Answer:** No
- Is he aware of any activity or land use limitations, such as engineering controls, land use restrictions, or institutional controls, that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state, or local law? **Answer:** Unknown

3.3 Specialized Knowledge

Mr. Hare was asked the following questions as part of the assessment:

- Does he have any specialized knowledge or experience related to the property or nearby properties? For example, are they involved in the same line of business as the current or former occupants of the property or an adjoining property so that they would have specialized knowledge of the chemicals and processes used by this type of business? **Answer:** Yes
- Is he aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as User,
- Does he know the past uses of the property? **Answer:** Yes
- Does he know of specific chemicals that are present or once were present at the property? **Answer:** Yes

- Does he know of spills or other chemical releases that have taken place at the property? **Answer:** Yes
- Does he know of any environmental cleanups that have taken place at the property? **Answer:** No
- Does he know if any fill materials have been imported to the Site? **Answer:** Unknown
- Does he know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? **Answer:** Unknown
- Does he know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? **Answer:** Unknown
- Does he know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? **Answer:** Unknown

3.4 Commonly Known or Reasonably Ascertainable Information

Mr. Hare was asked the following question as part of the assessment:

- Based on his knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property? **Answer:** Yes

3.5 Valuation Reduction for Environmental Issues

An analysis of a hypothetical prospective purchase price of the Site has not been conducted.

3.6 Owner, Property Manager, and Occupant Information

According to the Oakland County Assessor's Office, the Site is owned by General Motors Corporation.

3.7 Reason for Performing Phase I

The purpose of this Phase I ESA is to provide appropriate inquiry into the previous ownership and use of the Site consistent with good commercial and customary practice in an effort to minimize liability.

4.0 RECORDS REVIEW

The following sections provide information regarding the regulatory status and history of the Site and vicinity developed from information available from local, state and federal agencies and ASTM Standard Historical Sources. It also provides topographic, hydrologic and soil conditions in the area of the Site.

4.1 Historical Use Information

4.1.1 Previous Environmental Reports

Two previous environmental reports were provided to LFR for review.

A "Phase I Environmental Site Assessment", General Motors Corporation/United Autoworkers, Employee Development Center, 65 East University Drive, Pontiac, Michigan, was prepared by Encore Environmental Consortium, LLC (Encore), dated July 1, 2005. During their investigation, Encore identified several RECs which included records of eleven abandoned underground hydraulic lifts that were installed in 1978, a former dynamometer pit located in the northwest corner of the first floor of the Site building, a former oil/sand separator at the western portion of the Site with no removal documentation, several floor drains located in the air conditioning room on the second floor, in the auto maintenance lab room, and in the auto laboratory room which lead to a sump in the basement, and a trench-style floor drain connected to a second sump in the basement of the Site building. An off-site REC was identified as a former filling station depicted on a 1924 Sanborn map which was located approximately 125 feet west-southwest of the Site.

Encore identified two 1,000-gallon USTs which were reportedly installed on April 4, 1950 as a historic REC in connection with the Site. One UST contained gasoline and the second UST initially contained waste oil. The tanks were located to the north and northeast of the Site building, respectively. In 1986, the waste oil tank was converted to a spill tank for dilute sulfuric acid. Based upon the Conestoga-Rovers & Associates, Inc. (CRA) Leaking Underground Storage Tank Report dated December 22, 1995, Encore reported that the gasoline UST was abandoned in place and filled with sand in 1980. Inland and Waters removed the two 1,000-gallon USTs and associated gasoline dispenser in December 1990. A release was reported to the MDEQ by CRA on June 7, 1991.

Encore indicted that in 1992, Enkon Environmental Services, Inc. (Enkon) performed a subsurface investigation in the vicinity of the two former USTs. Two soil samples contained benzene concentrations that exceeded Michigan Act 307 Type B 20 drinking water cleanup criteria (MI Type B). Pickering Environmental Consultants, Inc (PECI) investigated the vicinity of the former waste oil/sulfuric acid UST in January 1993. PECI indicated that one of the soil samples contained benzene and ethylbenzene concentrations that exceeded the MI Type B criteria. CRA conducted an additional investigation in the vicinity of the former USTs on March 16 and 17, 1995. A soil sample detected arsenic at a concentration above the Michigan Tier 1 Residential Direct Contact criteria. CRA concluded that the concentration of arsenic detected was within the range of background concentrations in Erie Lobe clays. Groundwater was reportedly not encountered during the USTs excavation or investigations. CRA requested closure and on December 22, 1995, the MDEQ closed the case (C-1142-91).

Encore did not perform an asbestos-containing materials (ACM) survey as part of their Phase I ESA. A previous asbestos survey was conducted by Traverse Group and included the collection of bulk homogeneous material samples. Of the thirty-six samples collected from the Site building, only the 12-inch by 12-inch red floor tile in the first floor auditorium contained 10% asbestos. Additional suspect ACMs included mudded joints on fiberglass straight pipe, all non-fiberglass straight pipe insulation and fittings, and HVAC fiberglass blanket with canvas and paper backing throughout the Site building. Exposed pipe insulation was reported in the hallway of the first floor and damaged pipe insulation was reported in the boiler room of the basement and in the air conditioning room on the second floor. A lead-based paint survey was not conducted by Encore; however, peeling paint was reported in the hallway and staircase near the boiler room in the eastern portion of the basement.

An "Initial Assessment Report (IAR)" prepared by ARCADIS, dated February 5, 2007, indicated that in November and December 2006, ARCADIS installed 25 soil borings, four monitoring wells and one extraction well as part of a due diligence investigation. Soil samples were collected from each soil boring. Grab groundwater samples were collected from 14 of the soil borings and groundwater sampling was conducted on the monitoring wells. Gasoline constituents were detected in soil and groundwater in the area of the former gasoline UST underground piping and dispenser. Chlorinated solvents were also detected in groundwater samples in and around the site building. On November 14, 2006, ARCADIS notified MDEQ of the release and the site was assigned Incident No. C-0328-06. ARCADIS concluded that concentrations of chlorinated solvents, gasoline and motor oil constituents present in soil and groundwater exceed various Michigan clean-up and risk based screening level criteria. ARCADIS installed one extraction well during the IAR. The IAR did not report free phase product in the extraction well in 2007 but did report a sheen.

ARCADIS is currently conducting additional onsite and offsite assessments. During an additional onsite investigation performed in March 2008, measurable light non-aqueous phase liquid (LNAPL) was observed in one recovery well and removal activities were initiated. At the time of this report, the installation of offsite wells on adjacent city property has not occurred due to the inability of GM and the City of Pontiac to execute an access agreement.

4.1.2 Historic Map Review

LFR reviewed Sanborn® Fire Insurance (Sanborn) maps provided by EDR for the years 1909, 1915, 1919, 1924, 1950 and 1970. Copies of maps are included in Appendix B.

The 1909 Sanborn Map only depicts coverage of the west-southwest portion of the Site. Eight residences are depicted on the Site. North Mill Street is depicted immediately west of the Site. Mount Clemens Street is depicted immediately south of the Site. Residences and associated garages are depicted south, west, and west-northwest of the Site. A stable is depicted to the northwest.

The 1915 Sanborn Map depicts the Site as developed with eighteen residences, two associated garages, three stables, and four small structures on the Site. North Mill Street is depicted immediately west and north of the Site. Residences are depicted immediately north and east of the Site. A cement block manufacturing building, three tool sheds, and a stable are depicted immediately east of the Site. Mount Clemens Street is depicted immediately southeast, south and southwest of the Site, beyond which existed several residences and associated garages, 1st Congregational Church, a stable, and the Clinton River. A Post Office is depicted further southwest of the Site.

The 1919 Sanborn Map depicts seven additional residential garages on the Site. The surroundings properties are relatively unchanged from the 1915 Sanborn Map.

The 1924 Sanborn Map depicts the Site as relatively unchanged from the 1919 Sanborn Map. A filling station with two gasoline USTs is located approximately 125 feet west-southwest of the Site boundary. The cement block manufacturing building located east of the Site is occupied by a carpenter's shop.

The 1950 Sanborn Map depicts a large automobile parking lot on the southwest portion of the Site. Five residences and three associated garages are depicted on the northern portion of the Site. Two residences and two associated garages are depicted on the eastern portion of the Site. An American Legion club house is depicted on the southern portion of the Site. The carpenter's shop building was no longer depicted east of the Site. A motor truck and sales facility was depicted further south of the Site, beyond Mount Clemens Street. A large recreation facility was added to the 1st Congregational Church depicted further south of the Site.

The 1970 Sanborn Map depicts a used auto sales and service facility on the southwest portion of the Site and a small office building located on the eastern portion of the Site. The American Legion building is no longer depicted at the Site. The residences and associated garages depicted on the Site in the 1950 Sanborn Map are removed. The map depicts vacant and undeveloped properties immediately northwest and east of the Site. Residences and associated garages were depicted northeast of the Site. Mount Clemens Street has been renamed University Drive, located south of the Site, beyond which existed a union hall. Three stores, an office building, a Greyhound Bus Depot and two restaurants were depicted west of the Site, beyond North Mill Street. A road depicted as Wide Track Drive East was constructed east of the Site running northwest to southeast. Wide Track Drive East was depicted as being constructed over Clinton River, located further southeast of the Site.

4.1.3 Aerial Photograph Review

LFR reviewed historical aerial photographs provided by EDR for the years 1937, 1960, 1975, 1977, 1980, 1987, 1992, 1998, and 2005. The surrounding area appeared to be developed on each of the photographs. Due to the quality of some of the photographs, observations and details were limited.

The 1937 and 1940 aerial photographs depict the Site as developed with several residences along the northwestern portion of the Site. The remaining portion of the Site appears to be undeveloped. Residential structures are present to the north and east. Commercial buildings are present to the south and west of the Site.

The 1949 photograph shows the Site as relatively unchanged from the 1940 photograph. Land to the west of the Site has been developed with more commercial buildings.

The 1957 photograph shows the Site as developed with the existing building and associated parking areas. All of the residences have been removed from the Site with the exception of approximately three residences located on the northeastern portion of the Site. The surrounding properties appear relatively unchanged from the 1949 photograph.

The 1961 photograph shows little change in the Site and surrounding areas as compared to the 1957 photograph.

The 1967 photograph shows the Site with more parking area development to the northeast. US-24 Business (Wide Track Dr E) is shown bordering the eastern side of the Site. The surrounding properties appear relatively unchanged from the 1961 photograph.

The 1972 photograph shows little change at the Site and surrounding areas when compared to the 1967 photograph with exception of additional commercial development to the north.

The 1980 photograph shows little change at the Site and surrounding areas when compared to the 1975 photograph with the exception of the Site parking areas being asphalted with marked parking spaces.

The 1993 photograph depict the Site and surrounding areas similar to the 1980 photograph with the exception of the residences located at the northeast corner of Site appear to have been removed. It should be noted that this photograph is of poor quality.

The 1998, 2000 and 2005 photographs depict the Site and surrounding areas as similar to the 1993 photograph.

Copies of the above-referenced aerial photographs are included in Appendix B.

4.1.4 City Directories

LFR contracted EDR to conduct a city directory search for the Site and surrounding area. EDR reviewed city directories for the Site for the years 1922 through 2009 in approximately five-year intervals, as available. City directory information is summarized in the table below.

Address	Listing	Years Listed
65 East University Drive	General Motors Corp	2009
	(No Return)	2004
	General Motors Corp	1979
	Pontiac Retail Str.	1973
	Pontiac Retail Store (factory branch)	1962
	Pontiac Retail Store (factory branch)	1957
	Residential	1945
	Residential	1939
	Residential	1931
	Residential	1927
	Residential	1922

The EDR report also presents listings for other nearby Michigan Street addresses. The listings include both residential and commercial properties. No obvious environmentally significant listings were found in the immediate area of the Site.

The EDR City Directory Abstract is included in Appendix B.

4.1.5 Historical Topographic Maps

Topographic maps were obtained from EDR for the years 1907, 1943, 1952, 1968, 1973, 1983 and 1997

The 1907 map shows the Site and surrounding areas as being developed with residences. The later maps show the Site and surrounding areas as incorporated with no residences. Two commercial buildings are present to the southwest of the Site beginning with the 1957 through the 1997 map. The EDR Topographic Map report is included in Appendix B.

4.1.6 Building/Planning Departments

LFR contacted the Oakland County Building and Planning Departments to review available records on file for the Site. The representative from each department indicated that a FOIA request was required. No documents have been received at the time of this report. Information received will be included in an addendum to this report.

4.1.7 Additional Record Sources

No additional record sources were reviewed in the course of this assessment.

4.1.8 Summary of Historical Information

Based on the historical sources reviewed, it appears the Site was developed with residences from circa 1907 until construction of the current Site building circa late 1950s. The Site was initially utilized as a Pontiac Retail Store dealership until 1979 when it was converted into General Motors Corporation offices, engineering and training facility.

4.2 Historical Use Information on Adjoining Properties

A review of select city directories covering the period 1922 to 2009 and aerial photographs and topographic maps covering the period 1907 to 1997 identified that the adjoining properties have been occupied by a mixture of residential and commercial purposes. A health clinic, sign shop and various retail stores have occupied the adjoining properties to the north, south and west during this time period. The adjoining properties to the east have been occupied mainly by residential homes. Highway US-24 Business (Wide Track Drive East) to the east was present by 1967.

4.3 Physical Setting

4.3.1 Geology

4.3.1.1 Surface Features

According to the EDR topographic information (1997 Pontiac North USGS Quadrangle Map), the Site elevation is approximately 920 feet. Topographically, the Site and surrounding area is relatively flat with a general flow to the south.

4.3.1.2 Subsurface Features

According to the EDR report, loamy sand, sandy loam, silt loam and muck comprises the soil in the area of the Site property. Information from environmental investigations at the Site indicates that the area is underlain light reddish brown to grayish brown clay with trace to little sand and gravel. The clay has a dry to moist condition and soft to hard consistency. Light reddish brown to black sand is found in lesser amounts primarily in the western half of the Site. The sand is loose and has a dry to moist condition. The Site soils are underlain by bedrock deposits from the Paleozoic Era, Mississippian System and the Osagean and Kinderhookian Series.

4.3.2 Hydrology

4.3.2.1 Surface Water

Surface water flow in the area is largely controlled by artificial structures along roadways and in paved areas. The regional flow is to the south, towards the Clinton River, which is located approximately 400 feet south of the Site.

4.3.2.2 Groundwater

Based on information from Site previous environmental investigations, the uppermost groundwater is encountered at the Site from approximately 3 to 11 feet below ground level. Groundwater flow is reported to be radial from an apparent groundwater mound in the vicinity of the former gasoline UST area.

4.4 Standard Environmental Record Sources – Federal and State

LFR contracted with EDR to conduct a search of state and federal regulatory databases to identify recorded concerns for the Site and surrounding properties. The databases were searched to the approximate minimum search distances as specified in ASTM Standard Practice E 1527-05, "Phase I Environmental Site Assessment Process." The database search is provided as Appendix C.

Review of the EDR report revealed the following pertinent information:

Database	Search Radius	Site	Adjacent	0 – 1/8 mile	1/8 – ¼ mile	¼ - ½ mile	½ - 1 mile
NPL	1 mile	No	0	0	0	0	0
Delisted NPL	1 mile	No	0	0	0	0	0
CERCLIS	0.50 mile	No	0	0	0	0	-
CERCLIS-NFRAP	0.50 mile	No	0	0	0	0	-
RCRA CORRACTS	1 mile	No	0	0	0	0	0
RCRA TSD	0.50 mile	No	0	0	0	0	-
RCRA Generators	Site & adjacent	No	0	0	2	-	-
ERNS Site	Site	No	-	-	-	-	-
US IC/EC Registries	Site	No	-	-	-	-	-
SHWS	1 mile	No	0	0	0	0	2
State & Tribal SWF/LF	0.50 mile	No	0	0	0	0	-
State & Tribal LUST	0.50 mile	Yes	0	0	2	9	-
State & Tribal USTs	Site & adjacent	Yes	0	-	4	-	-
State ASTs	Site & adjacent	No	0	-	-	-	-
State IC/ EC Registry	Site	No	-	-	-	-	-
State Brownfields	0.50 mile	No	0	0	4	0	-
Indian VCP	0.50 mile	No	0	0	0	0	-
BEA	0.50 mile	No	0	0	0	0	
Spills	Site	No	-	-	-	-	-
Drycleaners	0.25 mile	No	0	0	0	-	-

4.4.1 Site

The Site was identified on the UST and LUST databases searched by EDR.

According to the EDR report, eleven 50-gallon hydraulic oil USTs installed on April 4, 1978 are listed as Currently In Use, two 1,000-gallon USTs were listed as installed on April 4, 1950 and removed from ground, one 1,000-gallon UST was listed as a spill tank, dilute sulfuric acid UST installed on April 4, 1950 and removed from ground. According to the EDR report, two leaks were reported for the Site. A gasoline LUST release dated November 6, 2006 and is reported as Open and an unknown LUST release dated June 7, 1991 is reported as Closed.

4.4.2 Federal Environmental Record Sources

EDR did not identify facilities within the applicable radius for the Federal databases searched, except for:

RCRA NonGen

EDR identified five RCRA NonGen facilities within 0.25-mile of the Site and are summarized as follows:

Downtown Valet Cleaners located at 113 N Perry is approximately 433 feet to the west-southwest and hydraulically downgradient of the Site. The database listing is currently classified as Not a Generator and No Violations Found. Based on the regulatory status, this facility does not appear to represent an environmental concern to the Site.

Mobil Oil Corp located at 590 E Widetrack is approximately 692 feet to the southeast and hydraulically downgradient of the Site. The database listing is currently classified Not a Generator and No Violations Found. Based on the regulatory status, this facility does not appear to represent an environmental concern to the Site.

30 North Saginaw LLC located at 30 N Saginaw Street is approximately 1,223 feet to the south-southwest and hydraulically downgradient of the Site. The database listing is currently classified as Not a Generator and No Violations Found. Based on the regulatory status, this facility does not appear to represent an environmental concern to the Site.

City of Pontiac Police Department located at 110 E Pike Street is approximately 1,273 feet to the south-southeast and hydraulically downgradient of the Site. The database listing is currently classified as Not a Generator and No Violations Found. Based on the regulatory status, this facility does not appear to represent an environmental concern to the Site.

Oakland Auto Supply located at 50606 Woodward Avenue approximately 1,915 feet to the southwest and hydraulically downgradient of the Site. The database listing is currently classified as Not a Generator and No Violations Found. Based on the regulatory status, this facility does not appear to represent an environmental concern to the Site.

RCRA CE/SQG

EDR identified two Conditionally Exempt/Small Quantity Generator facilities within 0.25-mile of the Site.

Michigan Bell Telephone Company located at 54 N Mill Street approximately 867 feet to the south and hydraulically downgradient of the Site. According to the EDR report, no violations were found. Based on the regulatory status and direction relative to the inferred groundwater flow, this facility does not appear to represent an environmental concern to the Site.

POH Medical Center located at 50 N Perry Street approximately 1,002 feet to the south and hydraulically downgradient of the Site. According to the EDR report, no violations were found. Based on the regulatory status and direction relative to the inferred groundwater flow, this facility does not appear to represent an environmental concern to the Site.

US BROWNFIELDS

EDR identified three US Brownfield facilities within 0.25-mile of the Site.

Oakland County, 41 Saginaw Street located at 41 Saginaw Street approximately 1,117 feet south-southwest and hydraulically downgradient of the Site. According to the EDR report, the accomplishment type was: cleanup activity. Based on the regulatory status and direction relative to the inferred groundwater flow, this facility does not appear to represent an environmental concern to the Site.

Former Sears Property/Clinton River located at 100 Pike Street East approximately 1,264 feet south-southeast and hydraulically downgradient of the Site. According to the EDR report, the accomplishment type was: Phase I Environmental Assessment. Based on the regulatory status and direction relative to the inferred groundwater flow, this facility does not appear to represent an environmental concern to the Site.

Central School located at 101 Pike Street East approximately 1,302 feet south-southeast and hydraulically downgradient of the Site. According to the EDR report, the accomplishment type was: Phase I Environmental Assessment. Based on the regulatory status and direction relative to the inferred groundwater flow, this facility does not appear to represent an environmental concern to the Site.

A compilation of Federal database listings is provided in the EDR Radius Map Report provided in Appendix C.

4.4.3 State and Tribal Environmental Record Sources

EDR did not identify facilities within the applicable radii for the State and Tribal databases searched, except for:

Underground Storage Tank (UST) Sites

EDR identified four UST facilities within 0.25-mile of the Site. The nearest UST facility is summarized as follows:

SBC – Michigan Pontiac Central Office located at 54 N Mill Street approximately 867 feet to the south and hydraulically downgradient of the Site. According to the EDR report, this facility had three 15,000-gallon kerosene USTs and one 15,000-gallon diesel fuel UST. Each of the USTs was installed on December 1969 and was removed from ground in December 1997. Two 10,000-gallon kerosene USTs installed on January 1, 1998 are listed as Currently In Use. Based on the regulatory status, release and direction relative to the inferred groundwater flow, this facility does not appear to represent an environmental concern to the Site.

Leaking Underground Storage Tank (LUST) Sites

EDR identified eleven LUST facilities within 0.25-mile of the Site. The nearest LUST sites are summarized as follows:

SBC – Michigan Pontiac Central Office located at 54 N Mill Street approximately 867 feet to the south and hydraulically downgradient of the Site. According to the EDR report, a release occurred at this facility on December 30, 1997, with a Closed Release status on May 26, 1998. Based on the regulatory status, the identification of a responsible party for the release and direction relative to the inferred groundwater flow, this facility does not appear to represent an environmental concern to the Site.

Voorhees Siple Funeral Home located at 268 N Perry Street approximately 1,179 feet to the north and hydraulically upgradient of the Site. According to the EDR report, a 1,000-gallon gasoline UST was installed at the site on January 1, 1955. A release occurred at this facility on April 19, 2000, with a Closed Release status on December 20, 2006. Based on the regulatory status, the identification of a responsible party for the release and direction relative to the inferred groundwater flow, this facility does not appear to represent an environmental concern to the Site.

Oak Hill Cemetery located at 216 University Dr approximately 1,453 feet to the east-northeast and hydraulically upgradient of the Site. According to the EDR report, an unknown release occurred at this facility on February 23, 1999, with a Closed Release status on August 6, 1999. Based on the regulatory status, the identification of a responsible party for the release this facility does not appear to represent an environmental concern to the Site.

Baseline Environmental Assessments (BEA)

EDR identified nine BEA facilities within 0.5-miles of the Site. The nearest BEA facilities are summarized as follows:

DT Assets, LLC located at 29 West Lawrence Street approximately 1,516 feet to the southwest and hydraulically downgradient of the Site. According to the EDR report, this facility received a BEA on April 28, 2005 with a No Hazardous Substances category. Based on the regulatory status, this facility does not appear to represent an environmental concern to the Site.

Charter One Bank F.S.B. located at 71-75 West Huron Road approximately 1,587 feet to the west-southwest and hydraulically downgradient of the Site. According to the EDR report, this facility received a BEA on August 13, 1996 with a No Hazardous Substances category. Based on the regulatory status and distance, this facility does not appear to represent an environmental concern to the Site.

Michigan National Corp located at 40 W Pike Street approximately 1,871 feet to the south-southwest and hydraulically downgradient of the Site. According to the EDR report, this facility received a BEA on November 19, 1999 and April 6, 2000 with a No Hazardous Substances category. Based on the regulatory status and distance, this facility does not appear to represent an environmental concern to the Site.

40 West Pike Street, LLC located at 40 W Pike Street approximately 1,871 feet to the south-southwest and hydraulically downgradient of the Site. According to the EDR report, this facility received a BEA on December 28, 2000 with a No Hazardous Substances category. Based on the regulatory status and distance, this facility does not appear to represent an environmental concern to the Site.

MANUFACTURED GAS PLANTS

EDR identified eleven MGPs facilities within one mile of the Site.

City Gas Works located at 55 Wessen Street approximately 3,293 feet south to the south and hydraulically downgradient of the Site. Based on its distance and location relative to the inferred groundwater flow, this facility does not appear to represent an environmental concern to the Site.

SOLID AND HAZARDOUS WASTES SITES

EDR identified two SHWs facilities within 1.0-mile of the Site.

City of Pontiac located at 55 Wessen Street approximately 3,293 feet to the south and hydraulically downgradient of the Site. Based on the direction relative to the inferred groundwater flow this facility does not appear to represent an environmental concern to the Site at this time.

American Forge and Socket located at 150-160 Branch approximately 5,116 feet to the south and hydraulically downgradient of the Site. Based on the direction relative to the inferred groundwater flow this facility does not appear to represent an environmental concern to the Site at this time.

A compilation of the State and Tribal database listings is provided in the EDR Radius Map Report provided in Appendix C.

4.4.4 Orphan Summary

LFR reviewed the “Orphan Summary” section of the EDR Radius Map report, which is a list of sites that could not be properly located due to inadequate or incorrect information provided by the reporting agency. The twenty-two facilities listed in the Orphan summary do not appear to be located within the Approximate Minimum Search Distance for the above-referenced Federal and State regulatory databases.

4.5 Additional Environmental Records Sources

4.5.1 Fire Department

LFR contacted the City of Pontiac Fire Department which did not identify records on file for the Site pertaining to ASTs, USTs or the storage or release of OHM.

4.5.2 Health Department

LFR contacted the Oakland County Health Department which required that a FOIA be submitted. No information has been received regarding the Site as of the date of this report. Pertinent information received by this department will be incorporated into an addendum to this report.

4.5.3 Community Development Department

LFR contacted the Oakland County Development Department which required that a FOIA be submitted. No information has been received regarding the Site. Pertinent information received by this department will be incorporated into an addendum to this report.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

Mr. Stephen P. Zins of LFR visited the Site on October 19, 2009. The weather at the time of LFR's investigation was cool and partly cloudy, with a temperature of approximately 60 degrees Fahrenheit. LFR inspected accessible areas of the Site buildings and the exterior grounds. Site photographs are included in Appendix D.

5.2 Current Site Use

The Site consists of approximately 3.7 acres of land that is improved with an approximately 40,459 square-foot abandoned commercial building that was most recently used as an office/warehouse and engineering operations until January 2007.

5.3 Site Observations

5.3.1 Underground Storage Tanks (USTs)

LFR observed a concrete pad where a former UST dispenser was located on the northwest side of the building. According to previous reports, former USTs existed at the Site including one 1,000-gallon gasoline UST, one 1,000-gallon dilute sulfuric acid spill UST, and eleven 50-gallon hydraulic oil USTs associated with hydraulic lifts.

5.3.2 Aboveground Storage Tanks (ASTs)

LFR did not observe evidence of ASTs at the Site.

5.3.3 Hazardous Substance and Petroleum Use

LFR observed several small containers of petroleum products in the garage area of the Site.

5.3.4 Unlabeled Drums/Containers

LFR observed several unlabeled 55-gallon drums inside the garage at the Site. The drums were marked with their contents using a white marking pen and appeared to be soil and groundwater from previous investigations. One drum was observed on spill containment pallet located in the garage area was labeled as hazardous waste. In addition, LFR observed five Freon cylinders and 2-gallon one propane tank in a former office area inside the Site building.

5.3.5 Stained Soil or Pavement

LFR did not observe stained soil or pavement at the Site.

5.3.6 Stains or Corrosion

LFR observed minor staining on the concrete floor in the warehouse/garage area of the Site building.

5.3.7 Stressed Vegetation

LFR observed evidence of stressed vegetation growing through the cracks in the northeastern parking area at the Site.

5.3.8 Polychlorinated Biphenyls (PCBs)

LFR did not observe electrical or hydraulic equipment at the Site suspected to contain PCBs.

5.3.9 Solid Waste/Dumping

LFR observed evidence of limited dumping of solid waste at the Site. LFR did not observe evidence of staining or a release of oil or hazardous materials in this area.

5.3.10 Site Drainage

Surface water on the Site is directed to storm water drains within the parking area. LFR did not observe evidence of staining around the drains. Additionally, LFR did not observe evidence of sheen on the water in the drains or stressed vegetation around these drains. Two trench drains were observed outside two overhead doors on the north side of the building. No staining was observed in the vicinity of these drains.

5.3.11 Pits, Ponds, Lagoons and Pools of Liquid

LFR did not observe pits, ponds, lagoons or pools of liquid on the Site. An approximately one foot diameter depression in the asphalt parking area north of the building was observed. No staining or liquid was observed near the depression.

5.3.12 Wastewater

LFR did not observe processes at the Site that generated wastewater.

5.3.13 Wells

LFR observed several monitoring wells both inside the building near the garage areas and outside the building in the north and east parking areas at the Site.

5.3.14 Septic Systems

LFR did not observe evidence of septic systems or cesspools at the Site.

5.3.15 Odors

LFR did not note readily noticeable strong, pungent, or noxious odors at the time of the site visit.

5.3.16 Other Observations

LFR noted an approximately 8 feet by 12 feet steel sheet located outside approximately 50 feet north of the north side of the Site building. The intended purpose of the steel sheet was not known.

6.0 INTERVIEWS

6.1 Interview with Owner/Key Site Manager

LFR interviewed Mr. Robert Hare, Motors Liquidation Company, prior to the assessment. Information provided by Mr. Hare is presented throughout the report.

6.2 Site Occupants

The Site was abandoned and unoccupied at the time of the assessment.

6.3 Interviews with Local Regulatory Agencies

Research conducted at local regulatory offices has been summarized in Sections 4.5. No additional interviews with local regulatory agencies were conducted.

6.4 Interviews with Others

No additional interviews were conducted as part of this assessment.

7.0 FINDINGS/OPINION

This section identifies known or suspect environmental concerns, historical environmental concerns, and *de minimis* conditions obtained during the ESA.

7.1 Known or Suspect Environmental Concerns

A former 1,000-gallon gasoline UST and former 1,000-gallon dilute sulfuric acid overflow/spill UST were installed on April 4, 1950. The USTs were located north and northeast of the Site building. Previous reports indicate that the former gasoline UST was closed in place and filled with sand in 1980. In December 1990, the USTs and an associated gasoline dispenser were removed. Several historical investigations have been conducted at the Site and are ongoing. Accordingly, the former gasoline UST and associated dispenser, and former spill UST are considered historical RECs.

Eleven underground hydraulic lifts installed in 1978 in the first floor garage/warehouse portion of the Site building. A former dynamometer pit was formerly located in the northwest corner of the first floor.

According to historical documentation, a former oil/sand separator located in the western portion of the Site where a classroom currently exists.

A floor drain in the air conditioning room on the second floor and floor drains in the auto maintenance lab room. According to historical documentation the drains lead to a sump located in the boiler room of the basement; however, during LFR's assessment, the basement was observed to be flooded. In addition, historic documentation also indicates that a trench-style floor drain in the basement leading to an adjacent sump which drain to the City of Pontiac's sanitary sewer system.

7.2 Historical Recognized Environmental Conditions

Review of the 1924 Sanborn® Map depicts a filling station with two gasoline USTs approximately 125 feet west-southwest of the Site boundary. Documentation regarding registration or closure of the USTs was not known.

7.3 De Minimis Conditions

Several small containers were observed stored in garage area. No evidence of a release was observed in this area.

8.0 CONCLUSIONS

LFR performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the property located at 65 University Drive, Pontiac, Oakland County, Michigan. Any exceptions to, or deletions from, this practice are described in Section 9 of this report. This assessment has revealed no evidence of a REC in connection with the Site, except for the following:

- The former 1,000-gallon gasoline UST and former 1,000-gallon waste oil/dilute sulfuric acid overflow/spill UST were installed on April 4, 1950. In December 1990, both USTs and an associated gasoline dispenser were removed. Several historical investigations have been conducted at the Site and response actions are presently ongoing.
- Eleven underground hydraulic lifts installed in 1978 in the first floor garage/warehouse portion of the Site building. A former dynamometer pit was formerly located in the northwest corner of the first floor.
- A former oil/sand separator located in the western portion of the Site where a classroom currently exists.
- A floor drain in the air conditioning room on the second floor and floor drains in the auto maintenance lab room. According to historical documentation, the drains connect to a sump located in the boiler room of the basement; however, during the assessment the basement was observed to be flooded.
- Recent investigations performed by ARCADIS have detected gasoline constituents in soil and groundwater in the area of the former gasoline UST underground piping and dispenser. Chlorinated solvents have also been detected in groundwater samples in and around the Site building. In March 2008, measurable LNAPL was observed in one recovery well and removal activities have been initiated.

9.0 DEVIATIONS/DATA GAPS

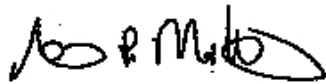
The inability to identify the date of first use of the Site for agricultural purposes represents a data gap. It is the opinion of LFR that this data gap is not significant and does not affect our ability to render the foregoing conclusion.

10.0 ADDITIONAL SERVICES

No additional services were provided as part of the Phase I ESA.

11.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

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



Stephen P. McCarthy
Principal Scientist



For

Stephen P. Zins
Senior Geologist

12.0 REFERENCES

City of Pontiac

- Fire Department
- Community Planning and Zoning Department
- Building Department

Oakland County

- Health Department
- Assessor Office

2. Reports, Plans and Other Documents Reviewed:

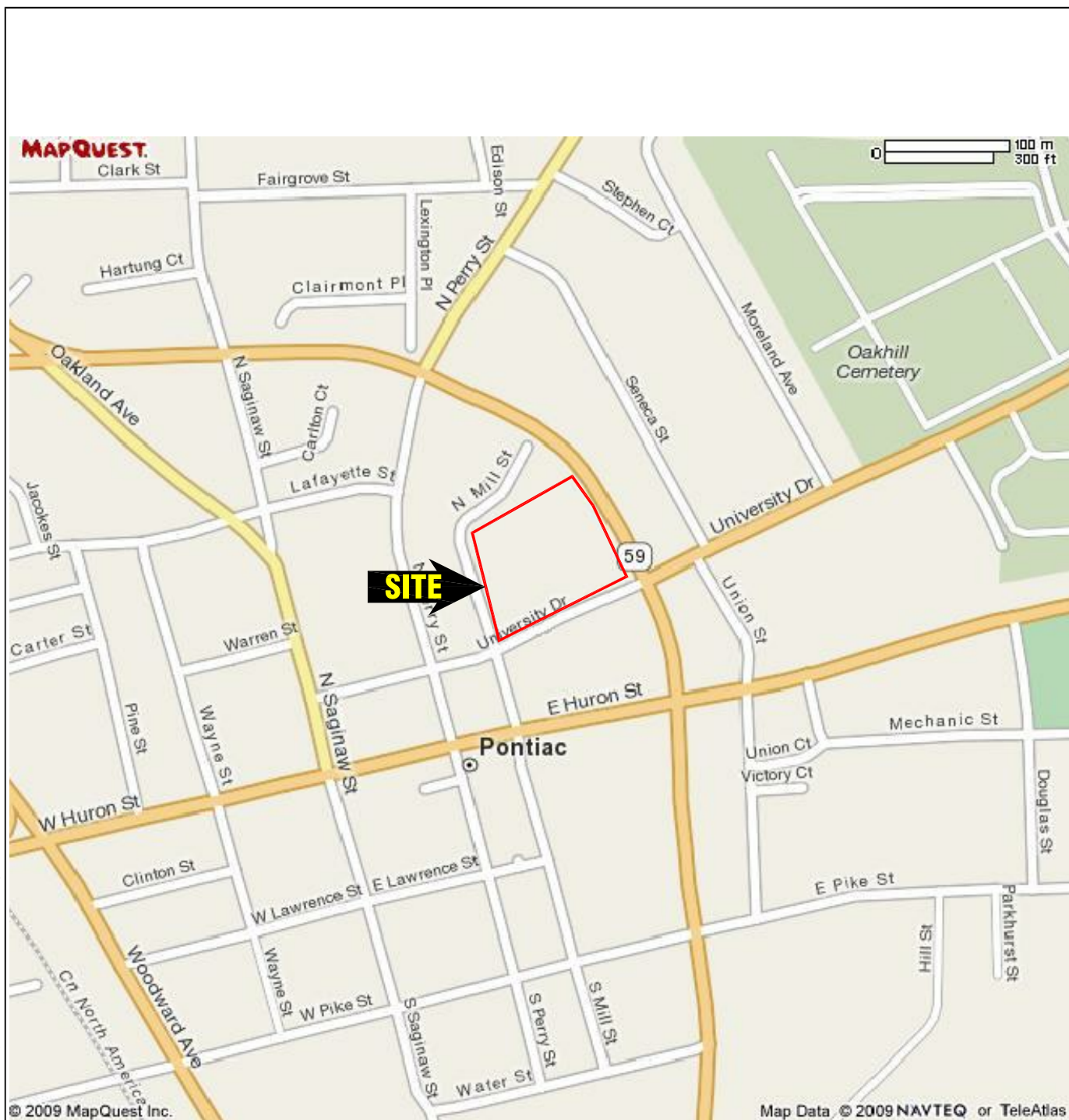
Phase I Environmental Site Assessment, General Motors Corporation/United Autoworkers, Employee Development Center, 65 East University Drive, Pontiac, Michigan, Encore Environmental Consortium, LLC, July 1, 2005.

Leaking Underground Storage Tank Initial Assessment Report, Employee Development Center, 65 East University Drive, Pontiac, Michigan, ARCADIS, February 5, 2007.

EDR:

- *The EDR Aerial Photo Decade Package*, Inquiry Number 2559388.17, August 10, 2009, 65 University Drive, Pontiac, Michigan, 48342.
- *The EDR Radius Map with GeoCheck*, Inquiry Number 2614840.2s, October 15, 2009, 65 University Drive, Pontiac, Michigan, 48342.
- *The EDR Sanborn Map Report*, Inquiry Number 2559388.15, August 10, 2009, 65 University Drive, Pontiac, Michigan, 48342.
- *The EDR Topographic Map Report*, Inquiry Number 2559388.15, August 10, 2009, 65 University Drive, Pontiac, Michigan, 48342.
- *The EDR City Directory Abstract*, Inquiry Number 2559388.18, August 10, 2009, 65 University Drive, Pontiac, Michigan, 48342.

FIGURES

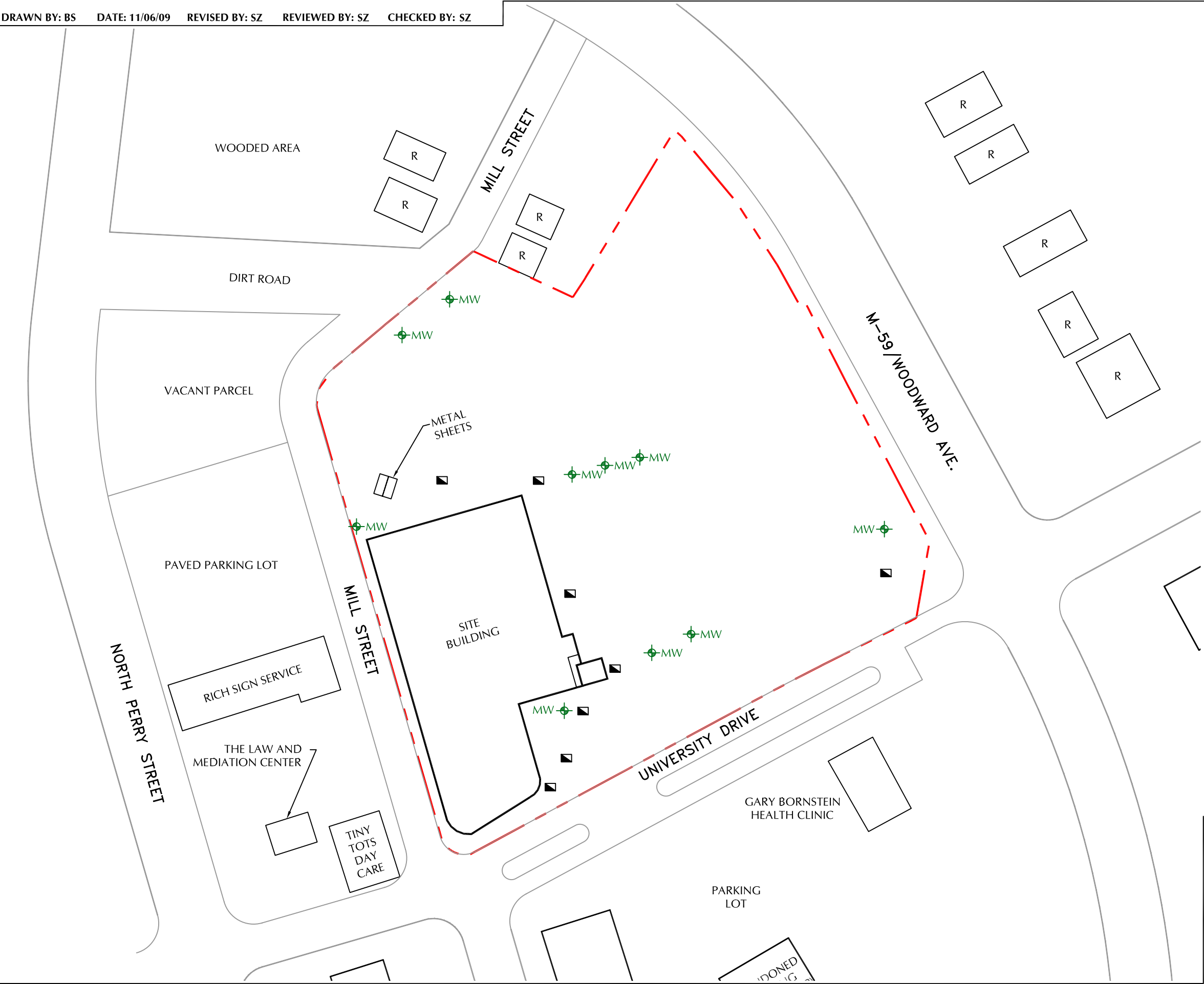


Scale: As Noted

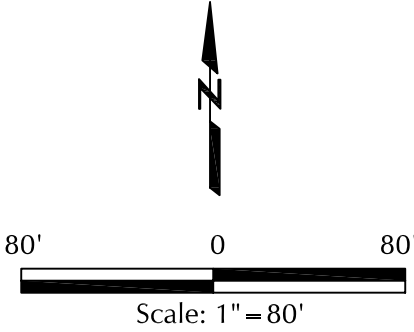
Site Vicinity Map

65 East University Drive
Pontiac, Michigan

Figure 1



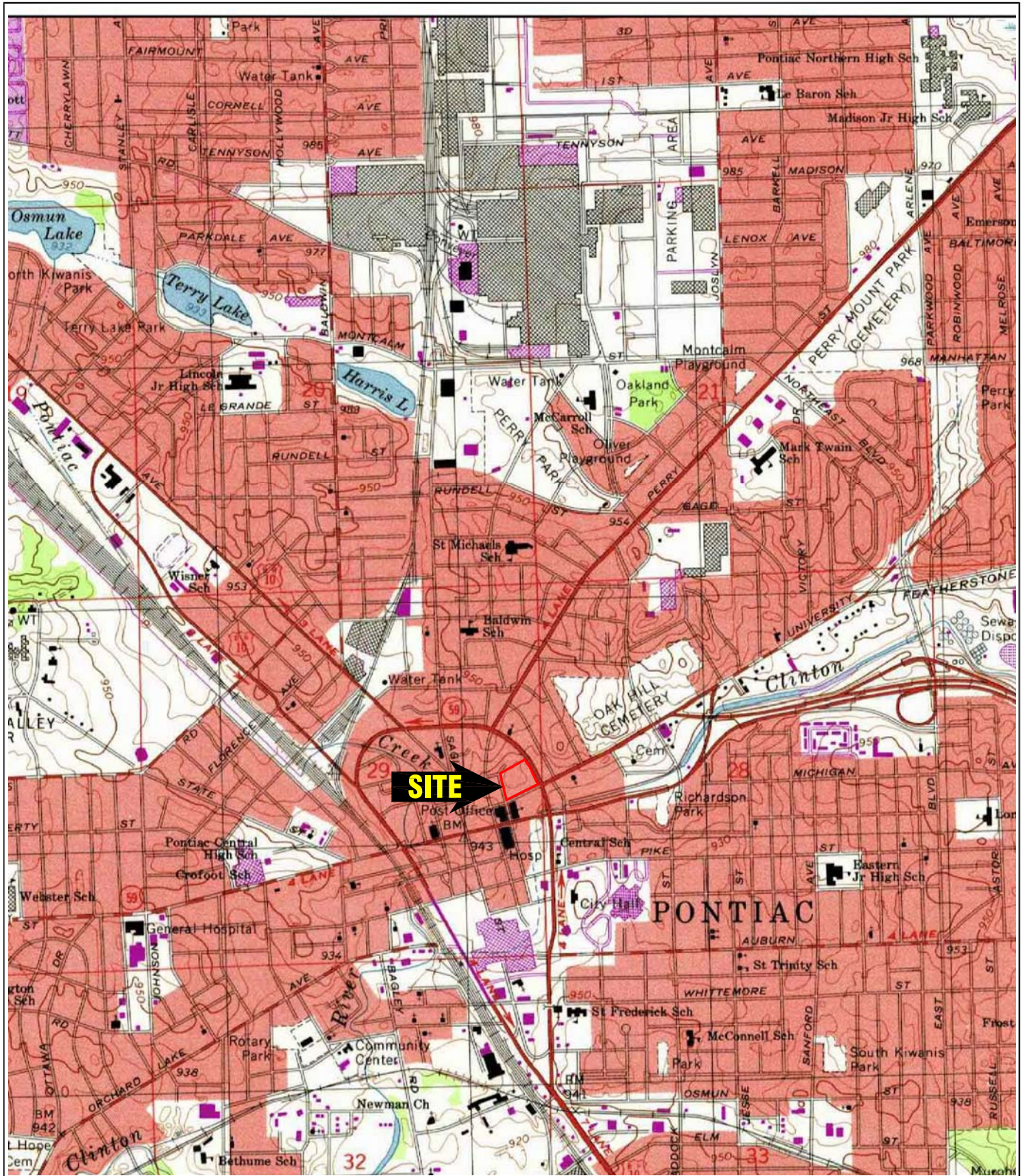
- EXPLANATION:**
- APPROXIMATE PROPERTY BOUNDARY LINE
 - R RESIDENCE
 - STORM DRAIN
 - ⊕ MONITORING WELL



Site Plan

65 East University Drive
Pontiac, Michigan

Figure 2



Quad: Pontiac North
Year: 1997

Topographic Map

65 East University Drive
Pontiac, Michigan

Figure 3

APPENDIX A

User Questionnaire



ENVIRONMENTAL MANAGEMENT & CONSULTING ENGINEERING

Phase I Environmental Site Assessment Questionnaire

(User Provided Information Questionnaire)

Date: October 19, 2009

Site Name: Pontiac EDC

Your Name: Robert W. Hare

Site Location: Pontiac, MI

Your Title: Remediation Project Manager

Relationship to Site: ☐ Owner ☐ Occupant ☐ Purchaser ☒ Other

Length of Time Associated with Site: 45 Days

Please review and complete this questionnaire which will assist LFR in completing our site assessment. If sufficient space is not provided, please complete your response on a separate sheet of paper and attach it to this questionnaire.

1. Are you aware of any environmental cleanup liens against the Site that are filed or recorded under federal, tribal, state or local law?

☐ Yes

☒ No

☐ Unknown

☐ N/A

If Yes, please explain: _____

2. Are you aware of any activity or land use limitations, such as engineering controls (for contaminant control), land use restrictions or institutional controls, that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

☐ Yes

☐ No

☒ Unknown

☐ N/A

If Yes, please explain: Not sure, but use of Groundwater restriction may be in place

3. Do you have any specialized knowledge or experience related to the Site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☒ Yes

☐ No

☐ Unknown

☐ N/A

If Yes, please explain: Information relative to previous subsurface investigations is available from Arcadis.



4. Are you aware of commonly known or reasonably ascertainable information about the Site that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

a) Do you know the past uses of the Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: Information available from Arcadis

b) Do you know of specific chemicals that are present or once were present at the Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: Auto maintenance training facility. USTs removed. Contact Arcadis for information.

c) Do you know of spills or other chemical releases that have taken place at the Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: Yes. See prior work conducted by Arcadis

d) Do you know of any environmental cleanups that have taken place at the Site?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain: Investigations only to date.

5. Do you know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Site?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain: _____



6. Do you know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the Site?

☐ Yes ☐ No ☒ Unknown ☐ N/A

If Yes, please explain: Possible Michigan UST program

7. Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products at the Site?

☐ Yes ☐ No ☒ Unknown ☐ N/A

If Yes, please explain: _____

8. Based on your knowledge and experience related to the Site are there any obvious indicators that point to the presence or likely presence of contamination at the Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: Reference subsurface investigations performed to date.

9. Does the Site's purchase price reasonably reflect the fair market value of the property?

☐ Yes ☐ No ☒ Unknown ☐ N/A

If No, do you know the reason for lower purchase price? Is it possible that the lower purchase price is because of contamination known or believed to be present at the Site?

☐ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: _____

APPENDIX B

Historical Research Documentation

Aerial Photographs

Employee Development Center -Site ID 1001

65 University Drive

Pontiac, MI 48342

Inquiry Number: 2559388.17

August 10, 2009

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography August 10, 2009

Target Property:

65 University Drive

Pontiac, MI 48342

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1937	Aerial Photograph. Scale: 1"=500'	Flight Year: 1937 Best Copy Available from original source	AAA
1940	Aerial Photograph. Scale: 1"=500'	Flight Year: 1940	AAA
1949	Aerial Photograph. Scale: 1"=500'	Flight Year: 1949	Detroit Edison
1957	Aerial Photograph. Scale: 1"=500'	Flight Year: 1957	Detroit Edison
1961	Aerial Photograph. Scale: 1"=500'	Flight Year: 1961	Detroit Edison
1967	Aerial Photograph. Scale: 1"=500'	Flight Year: 1967	Detroit Edison
1972	Aerial Photograph. Scale: 1"=600'	Flight Year: 1972	ASCS
1980	Aerial Photograph. Scale: 1"=500'	Flight Year: 1980	SEMCOG
1993	Aerial Photograph. Scale: 1"=600'	Flight Year: 1993	NAPP
2000	Aerial Photograph. Scale: 1"=500'	Flight Year: 2000	SEMCOG
2005	Aerial Photograph. 1" = 604'	Flight Year: 2005	EDR

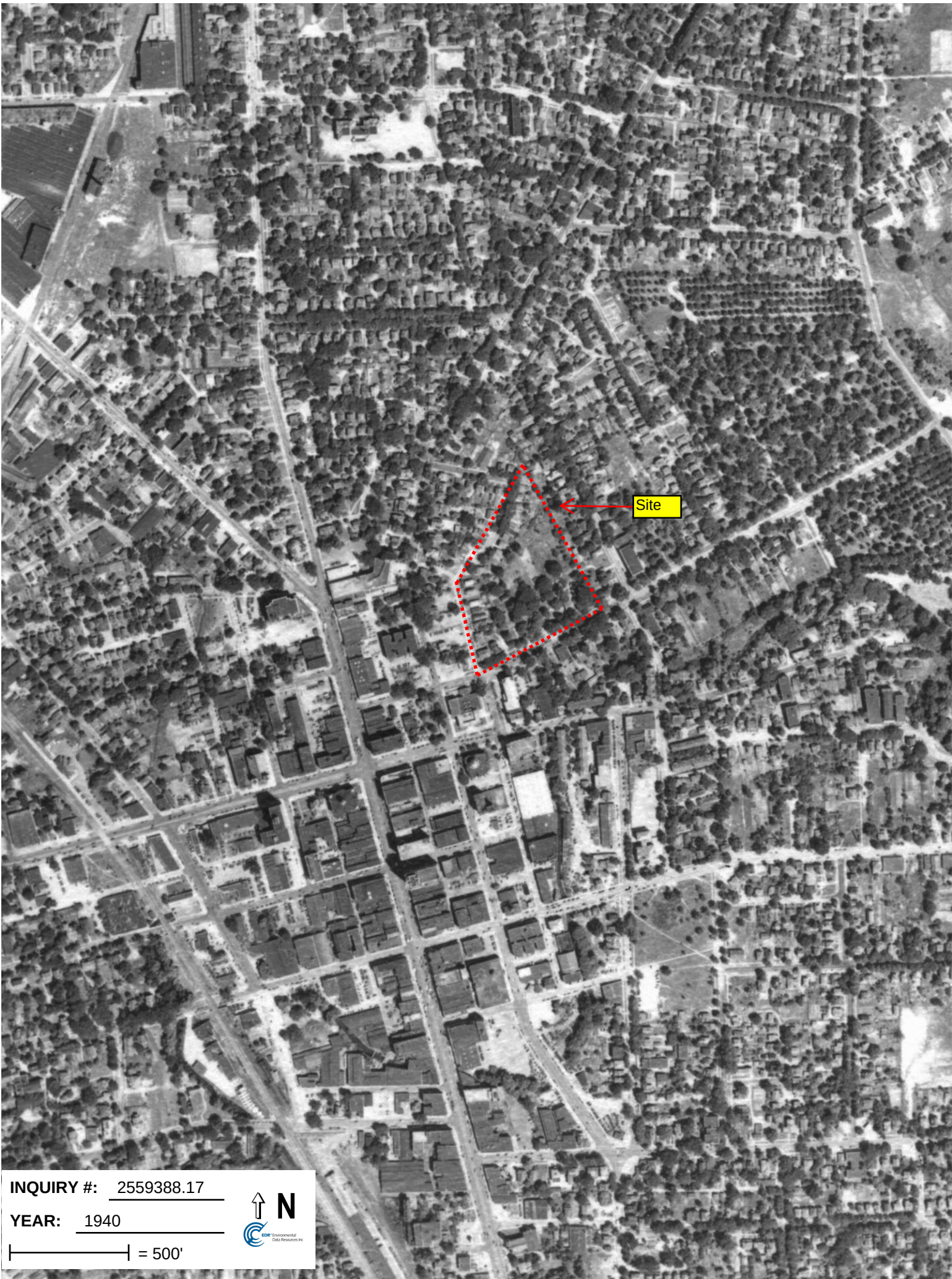


INQUIRY #: 2559388.17

YEAR: 1937

| = 500'



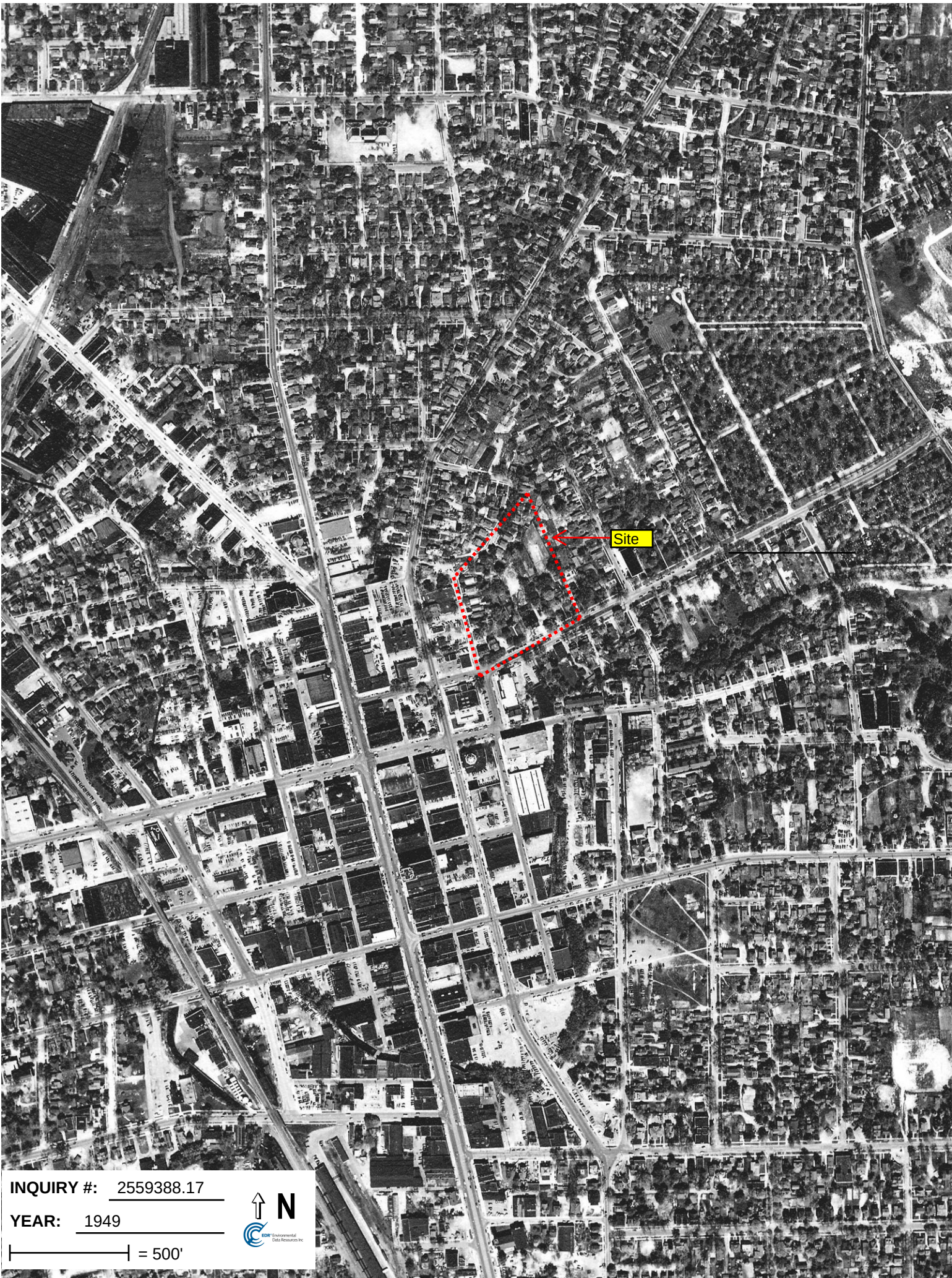


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YEAR: 1940

| = 500'





INQUIRY #: 2559388.17

YEAR: 1949

| = 500'



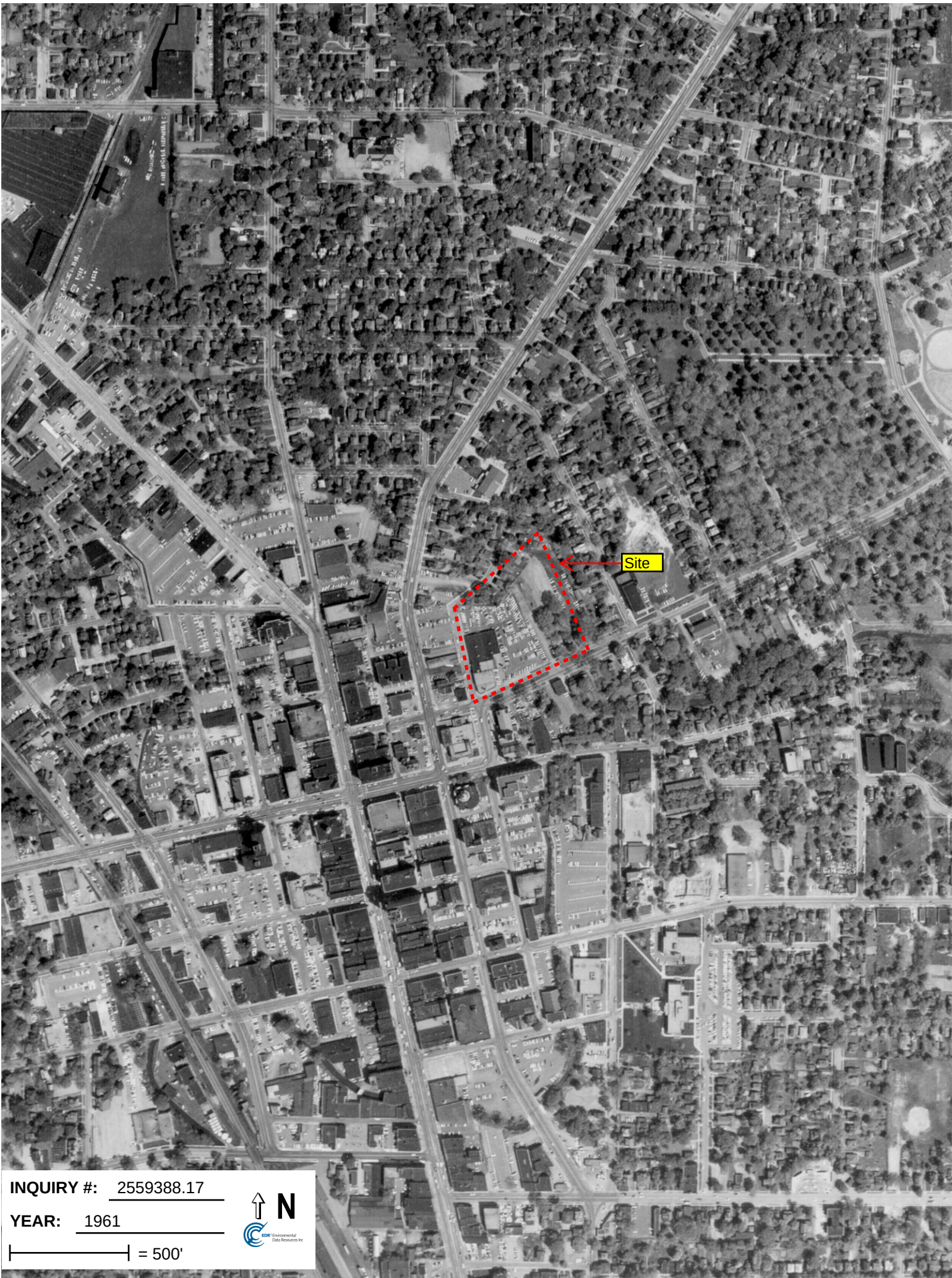


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YEAR: 1957

| = 500'



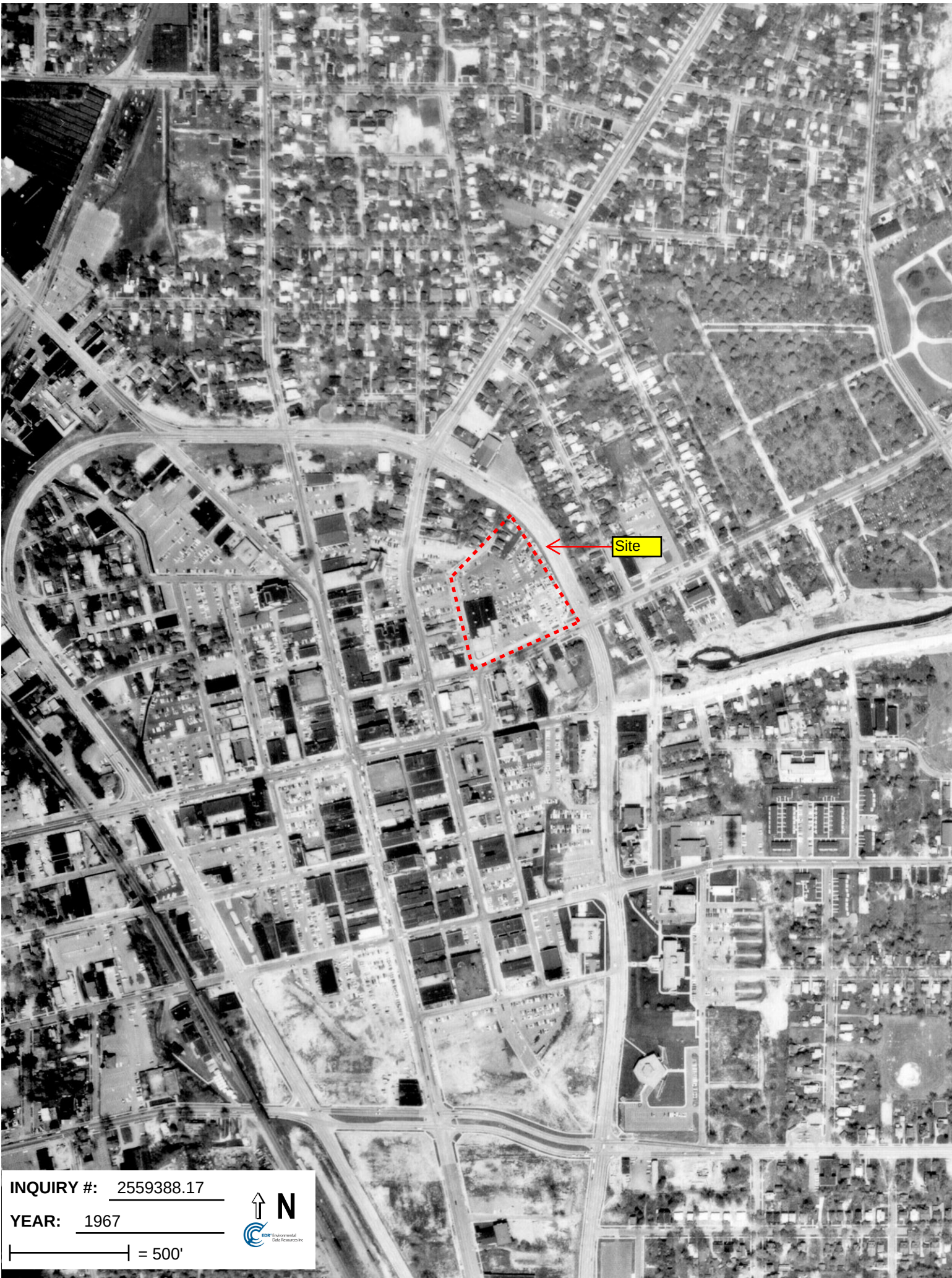


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YEAR: 1961

— = 500'



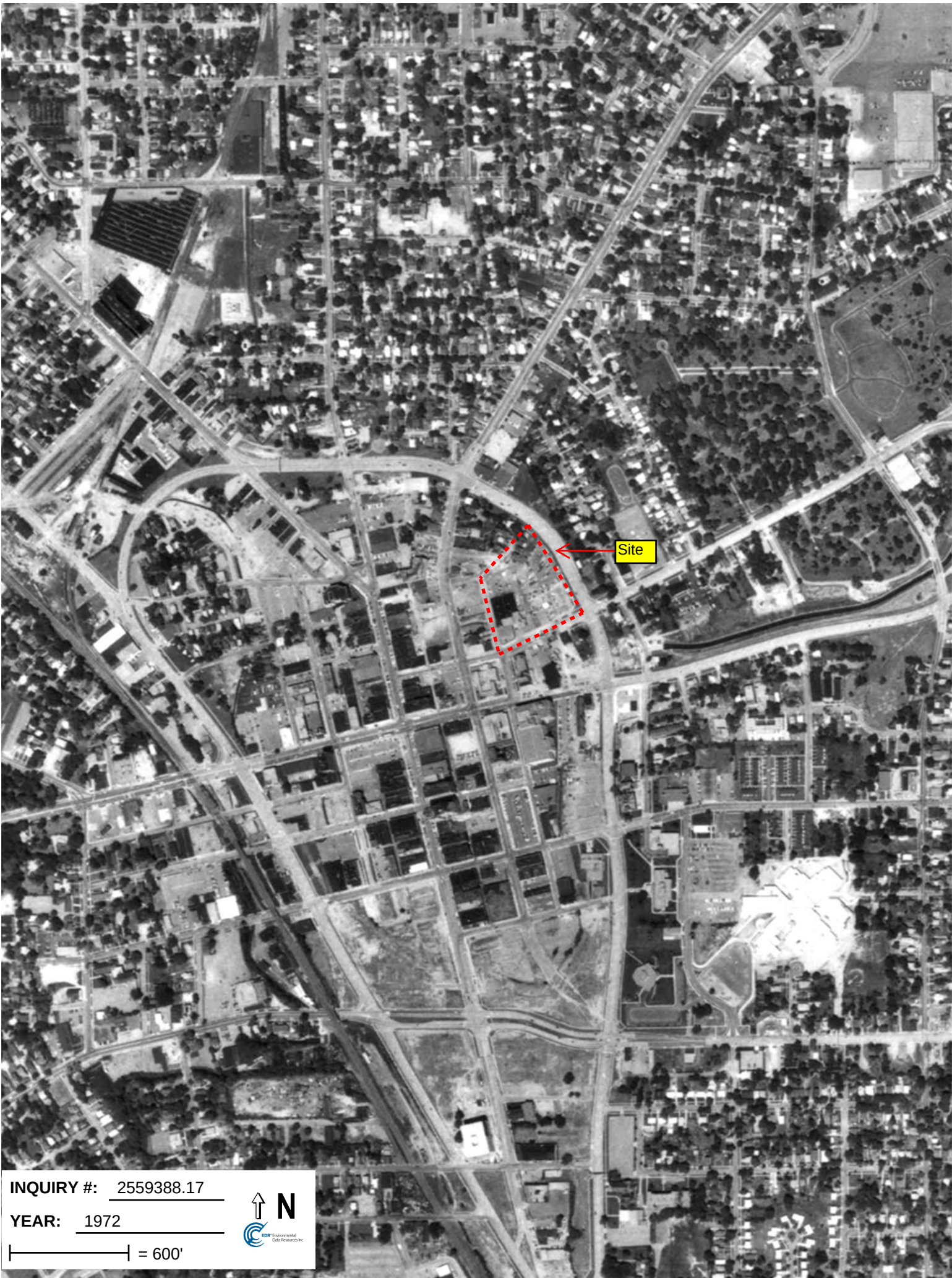


INQUIRY #: 2559388.17

YEAR: 1967

| = 500'



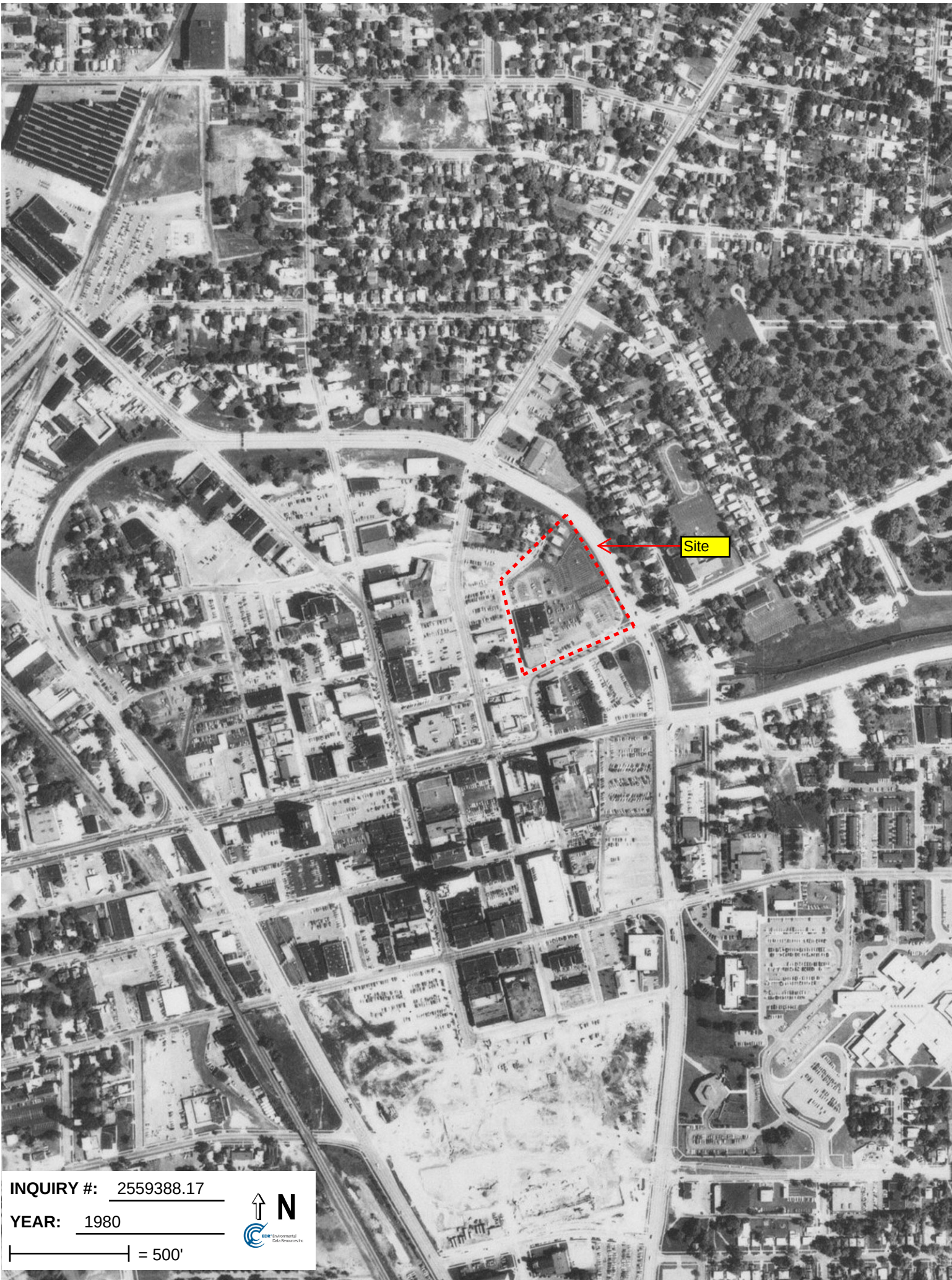


INQUIRY #: 2559388.17

YEAR: 1972

| = 600'





INQUIRY #: 2559388.17

YEAR: 1980

— = 500'



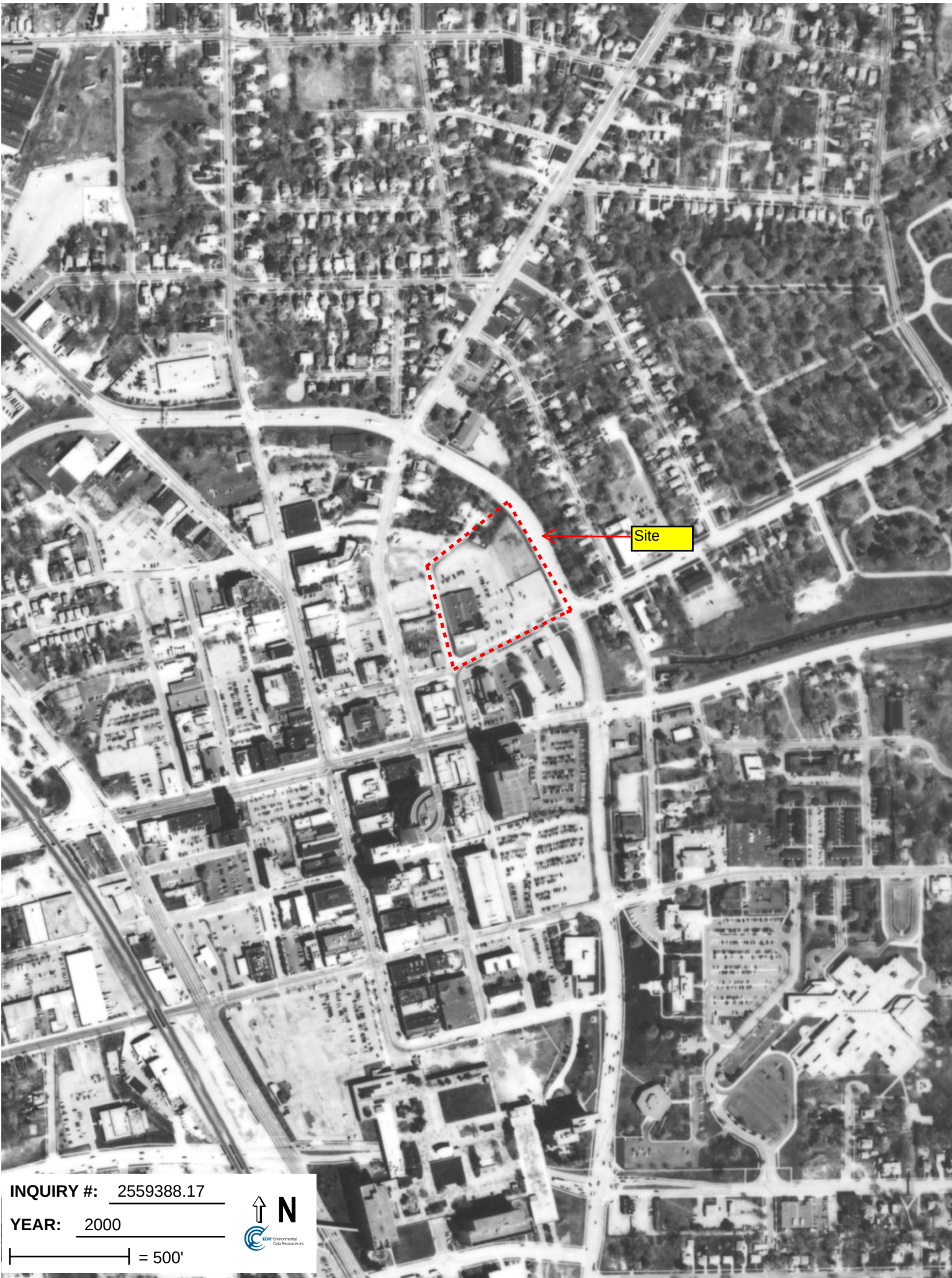


INQUIRY #: 2559388.17

YEAR: 1993

| = 600'





INQUIRY #: 2559388.17

YEAR: 2000

| = 500'





INQUIRY #: 2559388.17

YEAR: 2005

| = 604'



Sanborn Maps

Employee Development Center -Site ID 1001

65 University Drive

Pontiac, MI 48342

Inquiry Number: 2559388.15

August 07, 2009

Certified Sanborn® Map Report

Certified Sanborn® Map Report

8/07/09

Site Name:

Employee Development Center
65 University Drive
Pontiac, MI 48342

Client Name:

LFR Inc
194 Forbes Road
Braintree, MA 02184

EDR Inquiry # 2559388.15

Contact: Rich Mall



Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by LFR Inc were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Employee Development Center -Site ID 1001
Address: 65 University Drive
City, State, Zip: Pontiac, MI 48342
Cross Street:
P.O. # NA
Project: NA
Certification # ADB9-4EDD-B5C3



Sanborn® Library search results
Certification # ADB9-4EDD-B5C3

Maps Provided:

1970	1903
1950	1898
1924	1892
1919	1888
1915	
1909	

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

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Certified Sanborn® Map Report Enhancements for 2009

The accompanying Certified Sanborn Map Report reflects a number of enhancements that make it easier for you to review these historical maps. EDR has digitally joined together the more than one million fire insurance maps from the Sanborn Library collection so that your target property is centered, making it easier for you to review adjoining properties. Here is a list of the new features:

- Your target property is centered on each map. You can quickly locate your target property and view adjoining properties. Plus, adjoining properties are included more often, reducing your need to refer to additional maps.
- All maps are now displayed at a uniform scale. This makes it easier for you to view changes to the property over time.
- We've increased coverage by adding thousands of new maps from 40 cities for years 1994-2007.
- A new Map Key and Sheet Thumbnails let you reference sheet numbers, year and volume of original Sanborn Map panels used for this report.

For more information about the new enhancements to the Certified Sanborn Map Report, contact your EDR representative at 800-352-0050.

Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1970 Source Sheets



Volume 1, Sheet 5



Volume 1, Sheet 6



Volume 1, Sheet 52



Volume 1, Sheet 53



Volume 1, Sheet 2

1950 Source Sheets



Volume 1, Sheet 53



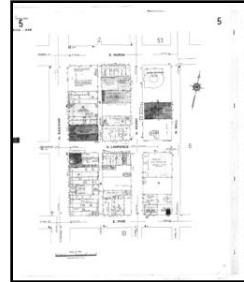
Volume 1, Sheet 52



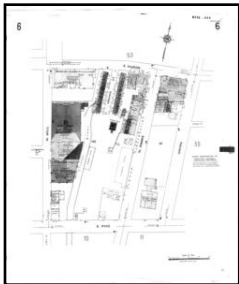
Volume 1, Sheet CONJGESTMAP



Volume 1, Sheet 2



Volume 1, Sheet 5



Volume 1, Sheet 6

1924 Source Sheets



Volume 1, Sheet CONGEST MAP



Volume 1, Sheet 5



Volume 1, Sheet 6



Volume 1, Sheet 2



Volume 1, Sheet 53



Volume 1, Sheet 52

1919 Source Sheets



Volume 1, Sheet 15



Volume 1, Sheet 14



Volume 1, Sheet 11



Volume 1, Sheet 10



Volume 1, Sheet 8

1915 Source Sheets



Volume 1, Sheet 6



Volume 1, Sheet 12



Volume 1, Sheet 11



Volume 1, Sheet 8



Volume 1, Sheet 7

1909 Source Sheets



Volume 1, Sheet 11



Volume 1, Sheet 8



Volume 1, Sheet 7



Volume 1, Sheet 5

1903 Source Sheets



Volume 1, Sheet 5



Volume 1, Sheet 4



Volume 1, Sheet 8

1898 Source Sheets



Volume 1, Sheet 2



Volume 1, Sheet 8



Volume 1, Sheet 7

1892 Source Sheets



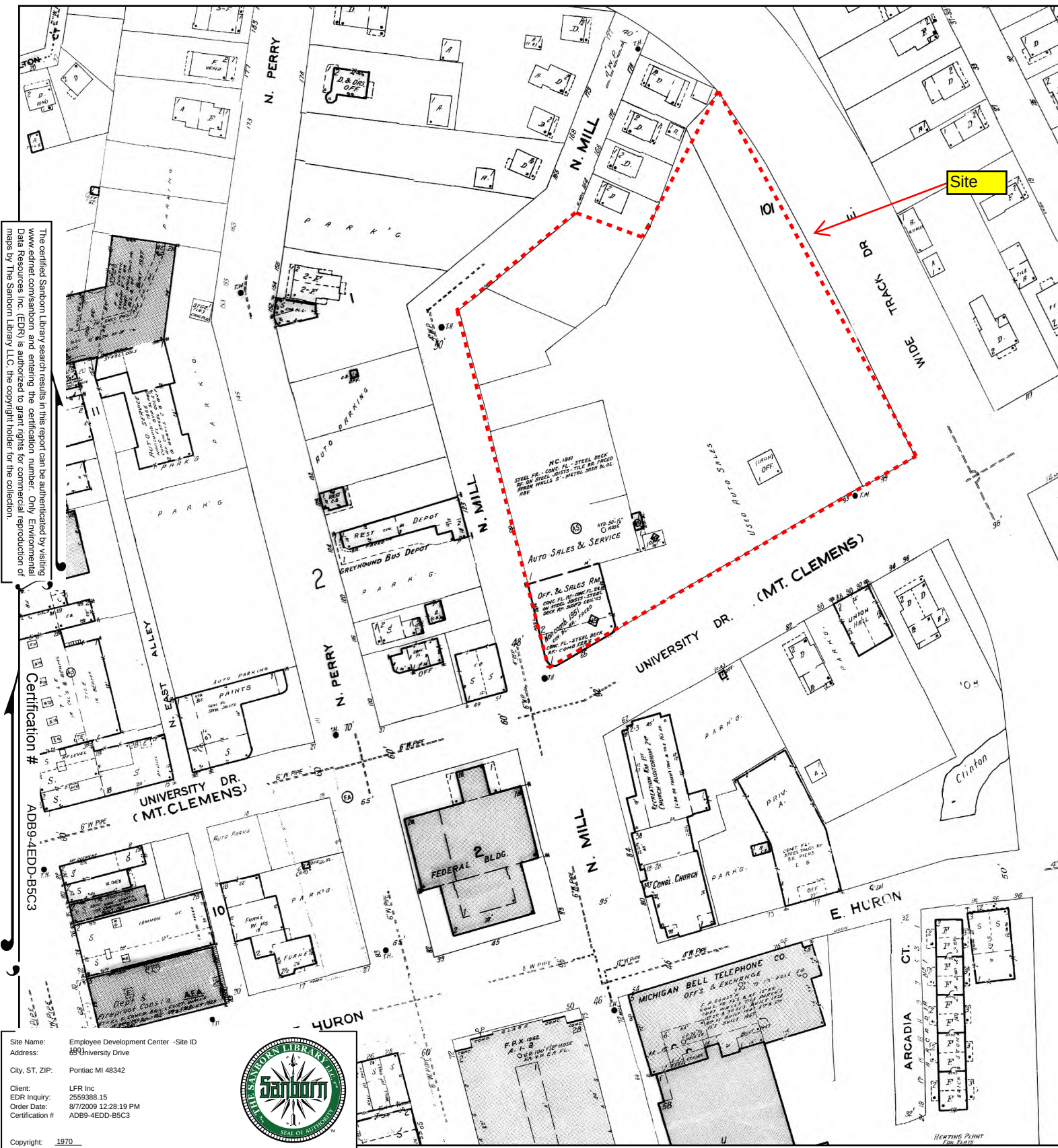
Volume 1, Sheet 2

1888 Source Sheets

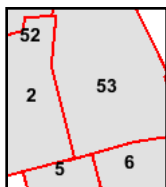
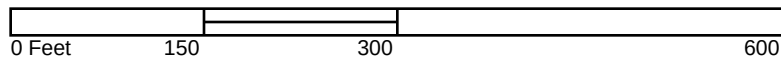


Volume 1, Sheet 2

1970 Certified Sanborn Map



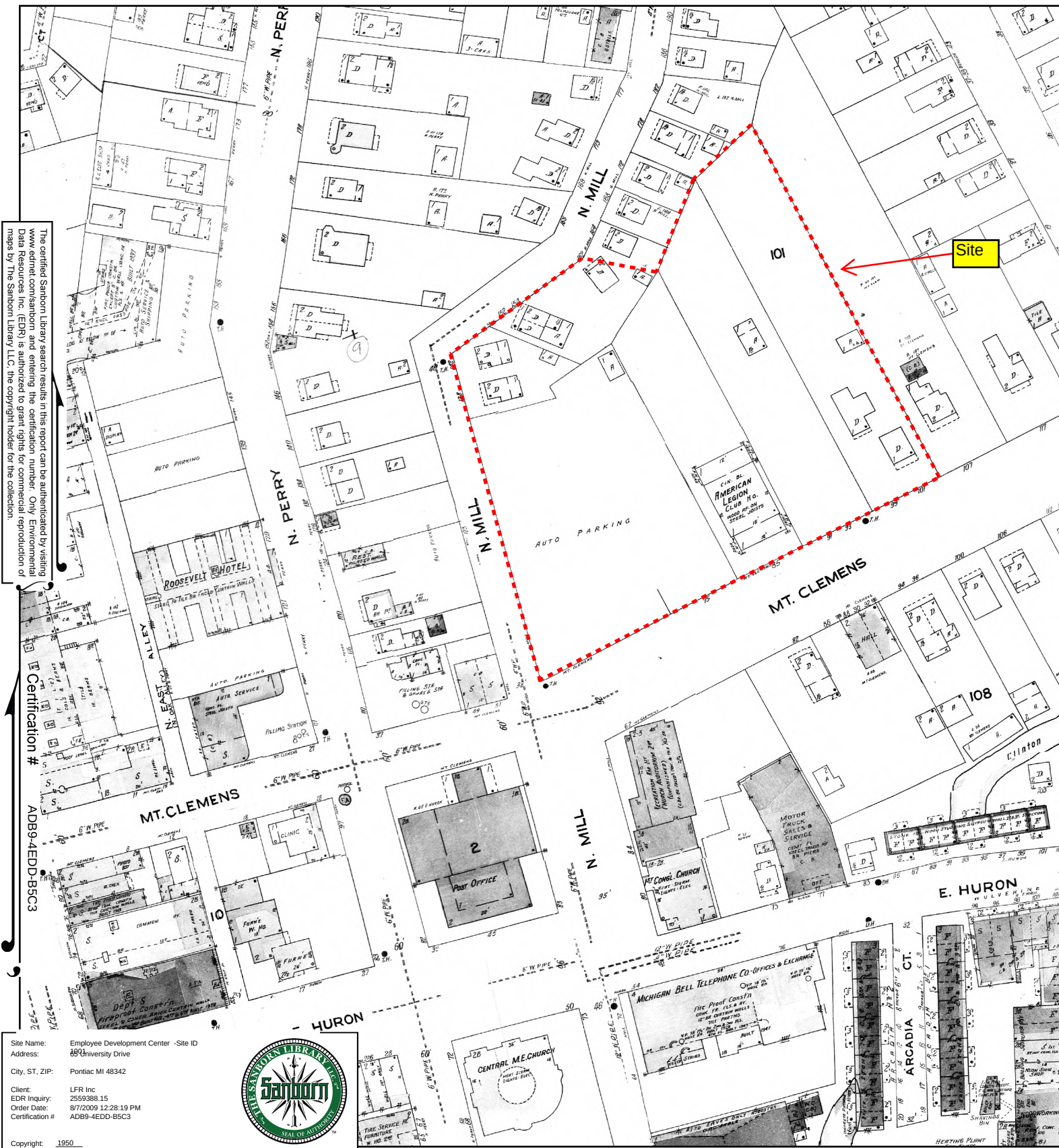
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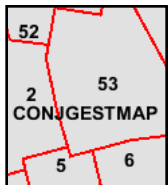
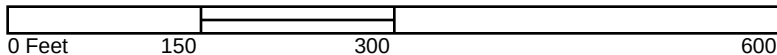
Volume 1, Sheet 5
Volume 1, Sheet 6
Volume 1, Sheet 52
Volume 1, Sheet 53
Volume 1, Sheet 2



1950 Certified Sanborn Map



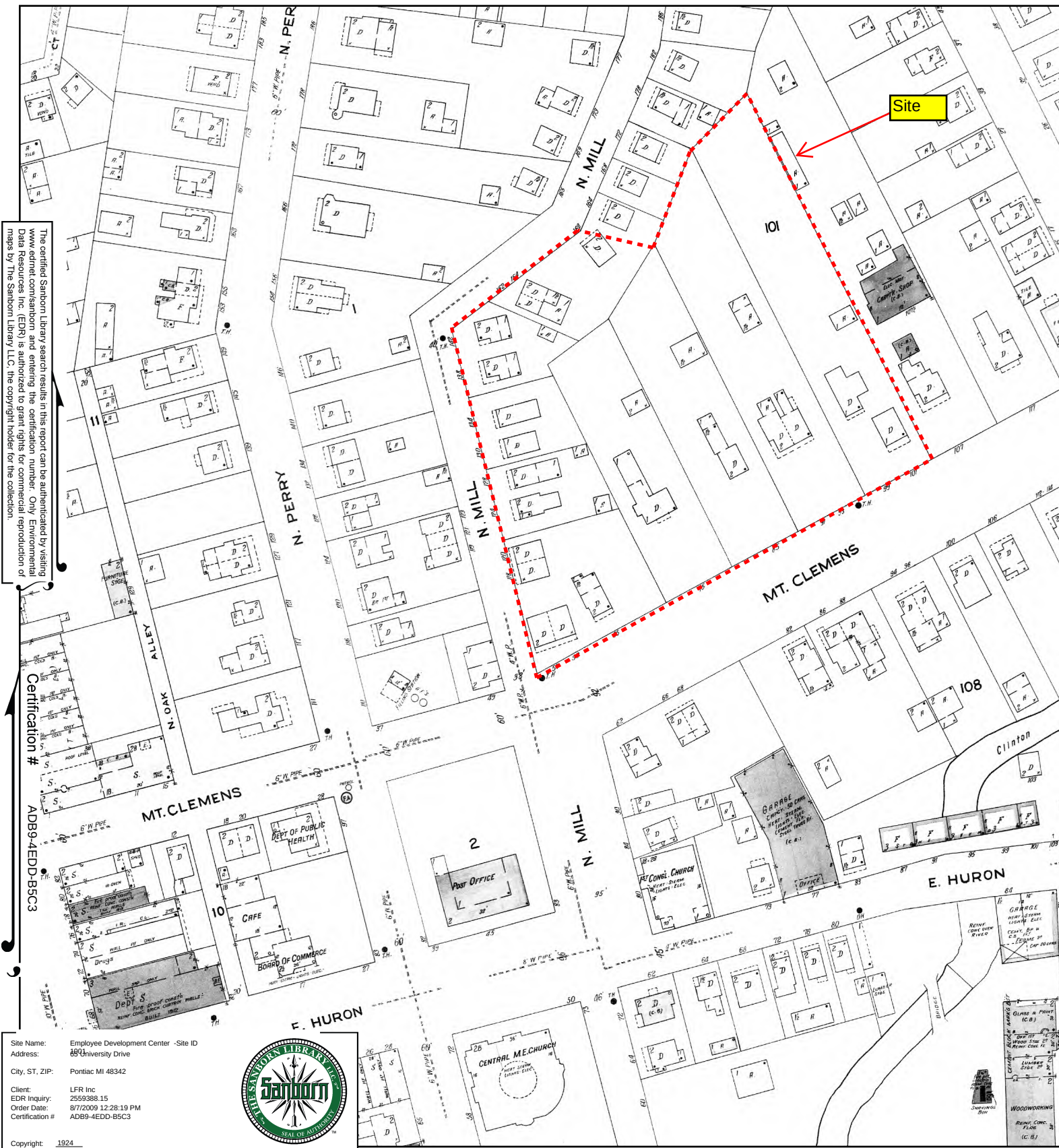
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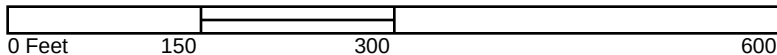
- Volume 1, Sheet 53
- Volume 1, Sheet 52
- Volume 1, Sheet CONJGESTMAP
- Volume 1, Sheet 2
- Volume 1, Sheet 5



1924 Certified Sanborn Map



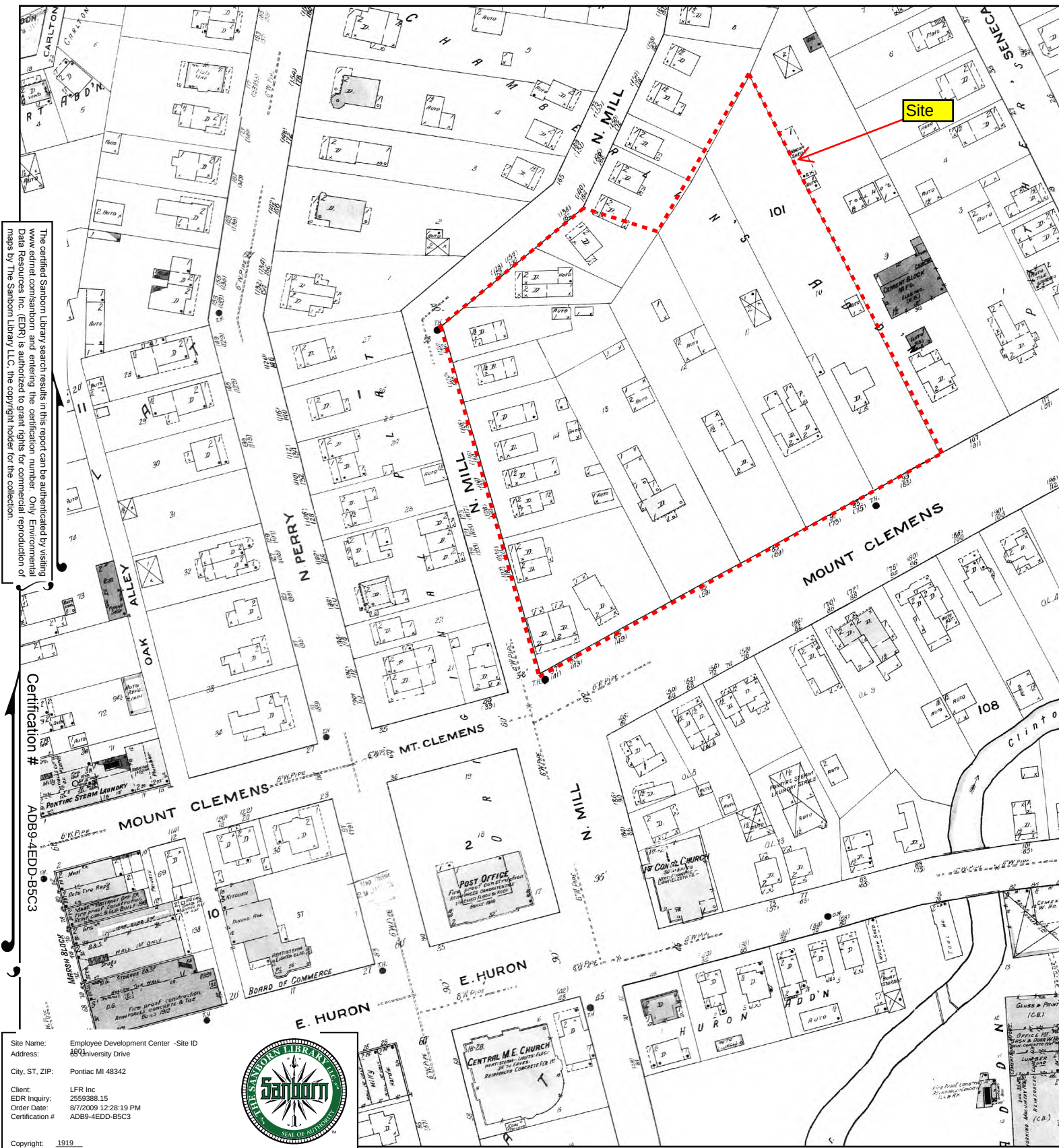
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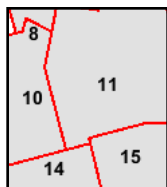
- Volume 1, Sheet CONGEST MAP
- Volume 1, Sheet 52
- Volume 1, Sheet 5
- Volume 1, Sheet 6
- Volume 1, Sheet 2
- Volume 1, Sheet 53



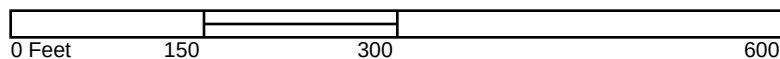
1919 Certified Sanborn Map



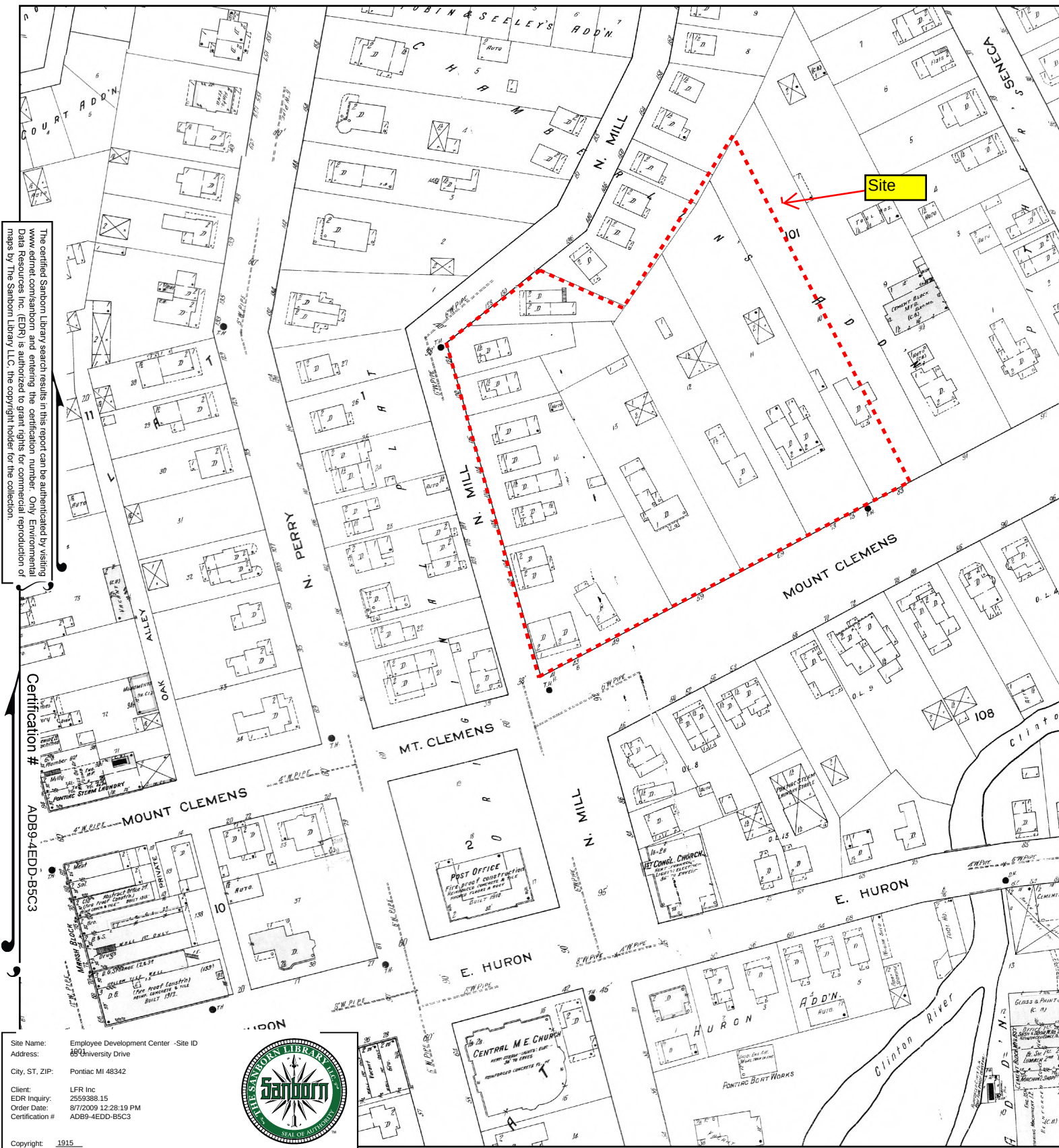
This Certified Sanborn Map combines the following sheets (thumbnails on page 3).



Volume 1, Sheet 15
 Volume 1, Sheet 14
 Volume 1, Sheet 11
 Volume 1, Sheet 10
 Volume 1, Sheet 8



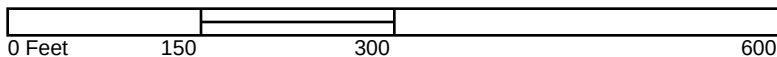
1915 Certified Sanborn Map



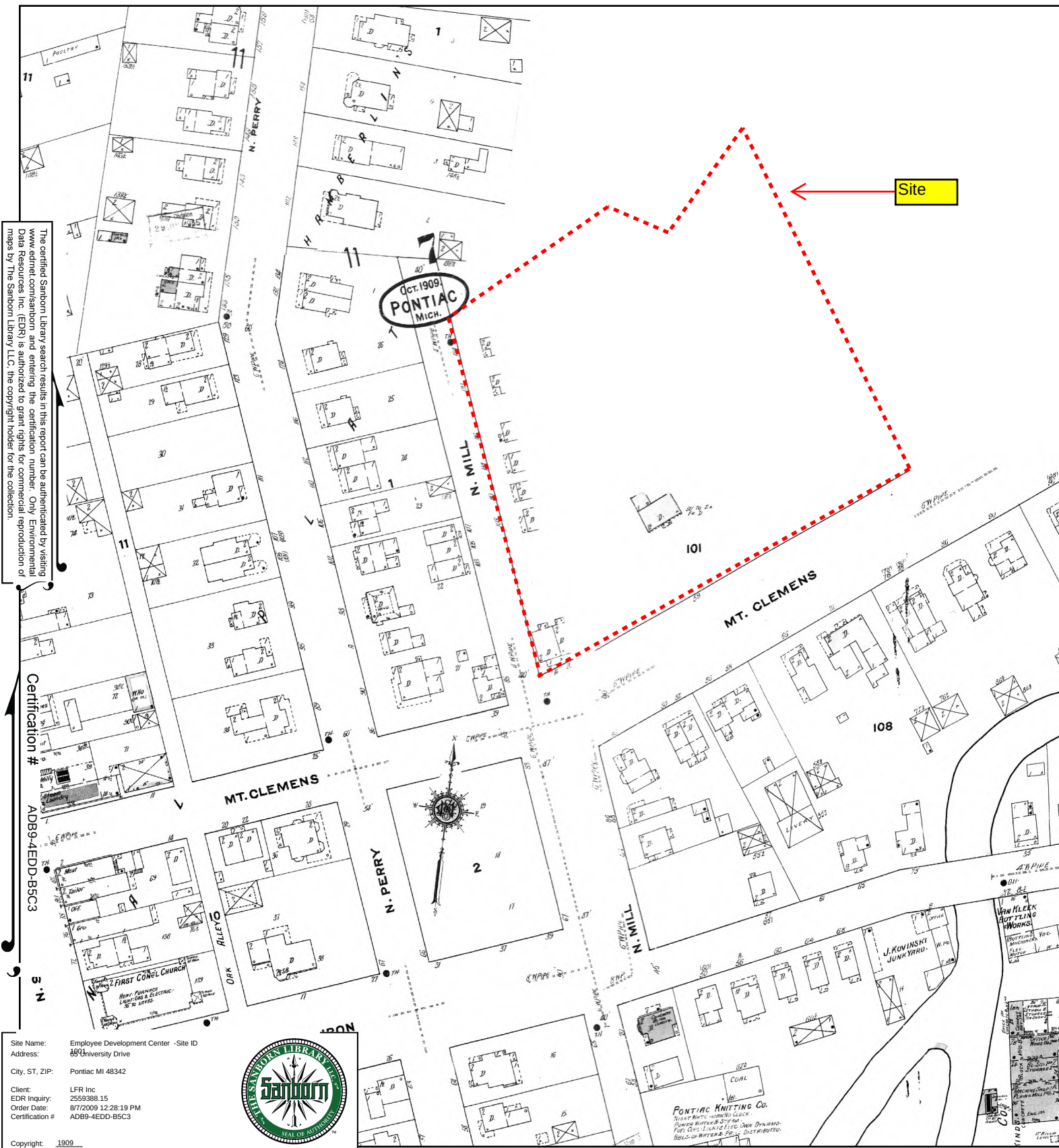
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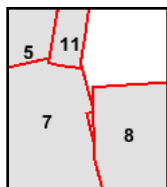
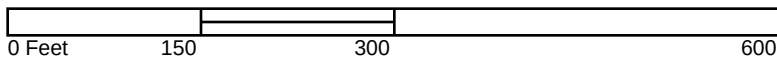
Volume 1, Sheet 6
Volume 1, Sheet 12
Volume 1, Sheet 11
Volume 1, Sheet 8
Volume 1, Sheet 7



1909 Certified Sanborn Map



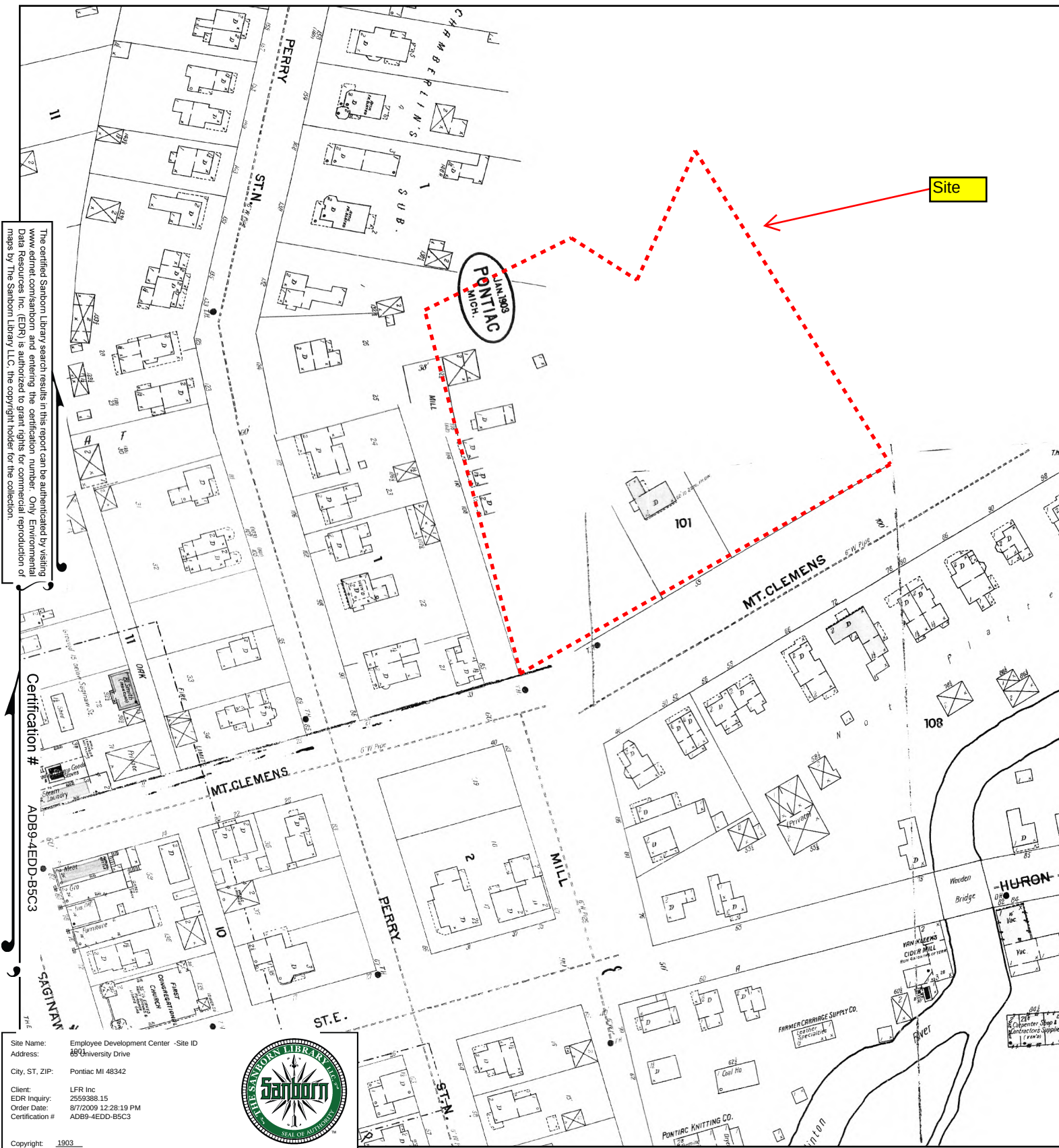
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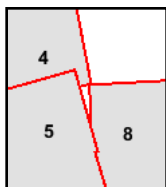
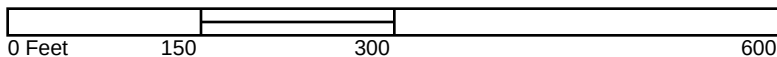
Volume 1, Sheet 11
Volume 1, Sheet 8
Volume 1, Sheet 7
Volume 1, Sheet 5



1903 Certified Sanborn Map



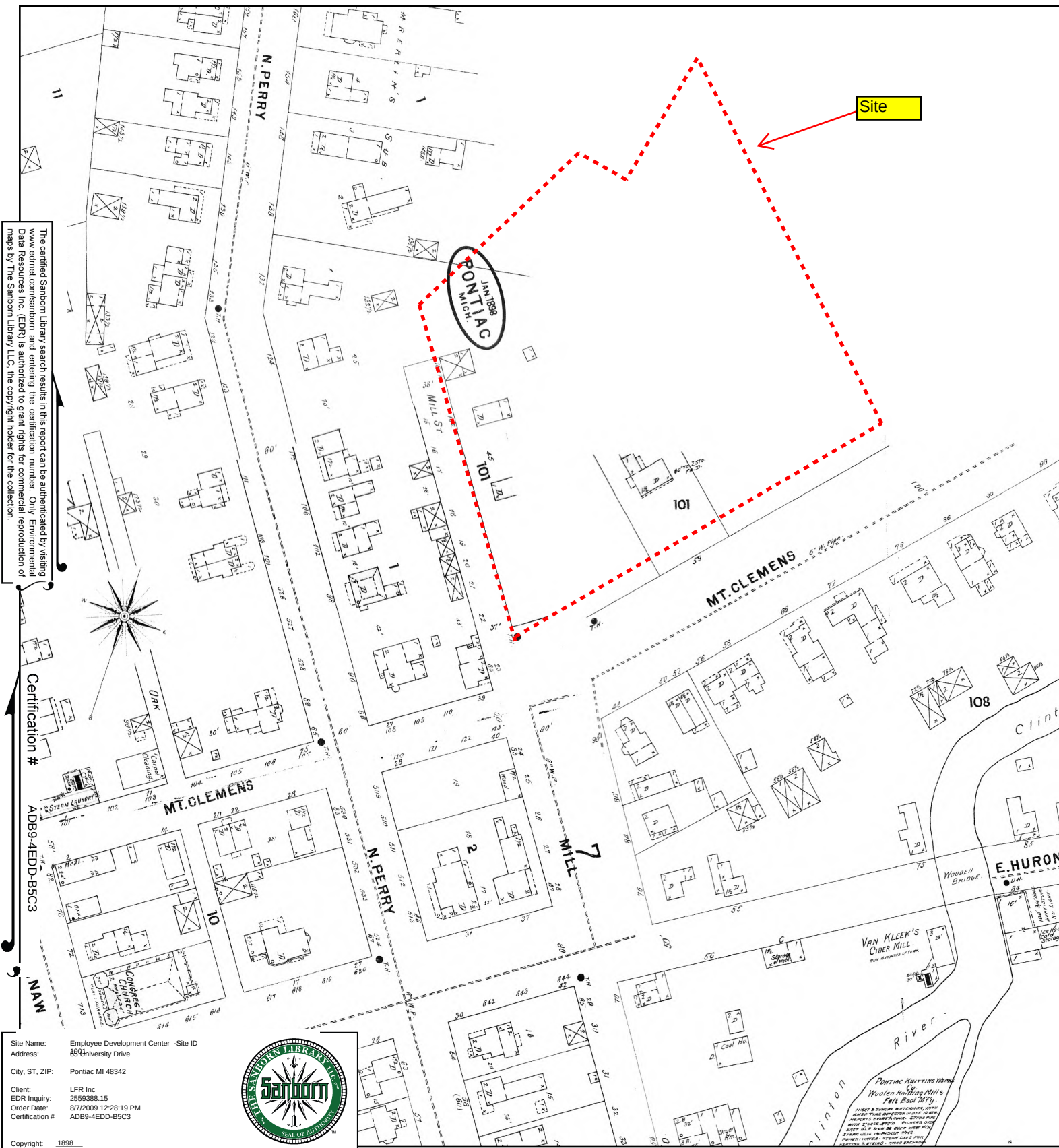
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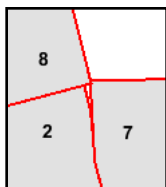
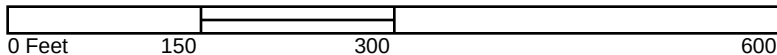
Volume 1, Sheet 5
 Volume 1, Sheet 4
 Volume 1, Sheet 8



1898 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets (thumbnails on page 3).

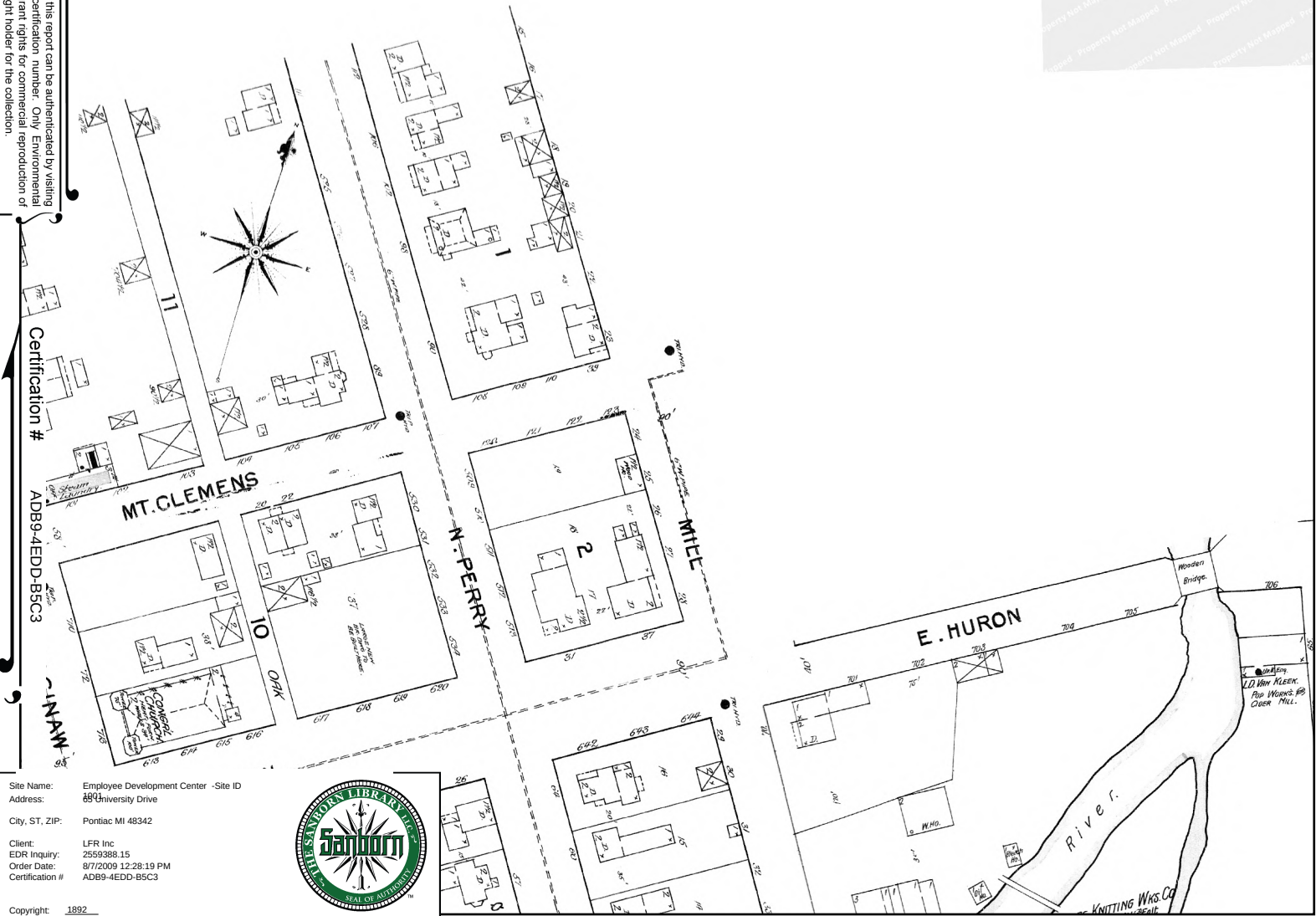


Volume 1, Sheet 2
Volume 1, Sheet 8
Volume 1, Sheet 7

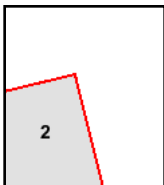
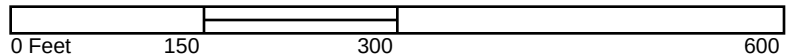


1892 Certified Sanborn Map

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This Certified Sanborn Map combines the following sheets (thumbnails on page 3).



Volume 1, Sheet 2



City Directory Abstract

Employee Development Center -Site ID 1001

65 University Drive
Pontiac, MI 48342

Inquiry Number: 2559388.18
August 10, 2009

The EDR-City Directory Abstract

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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2009 Enhancements to EDR City Directory Abstract

New for 2009, the EDR City Directory Abstract has been enhanced with additional information and features. These enhancements will make your city directory research process more efficient, flexible, and insightful than ever before. The enhancements will improve the options for selecting adjoining properties, and will speed up your review of the report.

City Directory Report. Three important enhancements have been made to the EDR City Directory Abstract:

1. *Executive Summary.* The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available, a parcel map is also provided within the report, showing the locations of properties researched.
2. *Page Images.* Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these images.
3. *Findings Listed by Location.* Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

Options for Selecting Adjoining Properties. Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. *You Select Addresses and EDR Selects Addresses.* Use the "Add Another Address" feature to specify the addresses you want researched. Your selections will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.
2. *EDR Selects Addresses.* Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our established research methods.
3. *You Select Addresses.* Use this method for research based solely on the addresses you select or enter into the system.
4. *Hold City Directory Research Option.* If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look at your other EDR reports and sources. Sources for property addresses include: your Certified Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit www.edrnet.com/2009enhancements

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2009	Bresser's Criss-Cross Directory	X	X	X	-
2004	Bresser's Criss-Cross Directory	X	X	X	-
1999	Bresser's Criss-Cross Directory	-	X	X	-
1994	Bresser's Criss-Cross Directory	-	X	X	-
1989	Bresser's Criss-Cross Directory	-	X	X	-
1984	Bresser's Criss-Cross Directory	-	X	X	-
1979	Bresser's Criss-Cross Directory	X	X	X	-
1973	Bresser's Criss-Cross Directory	X	X	X	-
1962	Polk's City Directory	X	X	X	-
1957	Polk's City Directory	X	X	X	-
1952	Polk's City Directory	-	X	X	-
1945	Polk's City Directory	X	X	X	-
1939	Polk's City Directory	X	X	X	-
1931	Polk's City Directory	X	X	X	-
1927	Polk's City Directory	X	X	X	-
1922	Polk's City Directory	X	X	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

65 University Drive
Pontiac, MI 48342

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	General Motors Corp.	Bresser's Criss-Cross Directory
2004	No Return	Bresser's Criss-Cross Directory
1979	General Motors Corp.	Bresser's Criss-Cross Directory
1973	Pontiac Retail Str.	Bresser's Criss-Cross Directory
1962	Pontiac Retail Store (factory branch)	Polk's City Directory
1957	Pontiac Retail Store (factory branch)	Polk's City Directory
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

University Drive

109 University Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	No Return	Bresser's Criss-Cross Directory
1999	No Return	Bresser's Criss-Cross Directory
1994	No Return	Bresser's Criss-Cross Directory

118 University Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Residential	Bresser's Criss-Cross Directory
2004	Residential	Bresser's Criss-Cross Directory
1999	No Return	Bresser's Criss-Cross Directory
1994	No Return	Bresser's Criss-Cross Directory
1989	No Return	Bresser's Criss-Cross Directory
1984	Residential	Bresser's Criss-Cross Directory
1979	Residential	Bresser's Criss-Cross Directory
1973	Residential	Bresser's Criss-Cross Directory

51 University Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Oakland Graphics	Bresser's Criss-Cross Directory
2004	Letterperfect Design & Exhib.	Bresser's Criss-Cross Directory
1999	Oakland Graphics, Inc.	Bresser's Criss-Cross Directory
1994	Oakland Graphics, Inc.	Bresser's Criss-Cross Directory
1989	Oakland Assoc., Ltd.	Bresser's Criss-Cross Directory
	Oakland Graphics, Inc.	Bresser's Criss-Cross Directory
1979	Nicholie-Zamek Insurance	Bresser's Criss-Cross Directory
1973	Nicholie-Zamek Insurance	Bresser's Criss-Cross Directory

52 University Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Residential	Bresser's Criss-Cross Directory

FINDINGS

60 University Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Residential	Bresser's Criss-Cross Directory

63 University Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	No Return	Bresser's Criss-Cross Directory
1999	No Return	Bresser's Criss-Cross Directory
1994	No Return	Bresser's Criss-Cross Directory
1989	No Return	Bresser's Criss-Cross Directory
1984	No Return	Bresser's Criss-Cross Directory
1979	No Return	Bresser's Criss-Cross Directory
1973	No Return	Bresser's Criss-Cross Directory

71 University Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Residential	Bresser's Criss-Cross Directory
2004	No Return	Bresser's Criss-Cross Directory

90 University Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Gary Burnstein Community	Bresser's Criss-Cross Directory
2004	Rescued Autos, LLC.	Bresser's Criss-Cross Directory
1989	Pontiac Rescue Mission	Bresser's Criss-Cross Directory
1984	Pontiac Rescue Mission	Bresser's Criss-Cross Directory
1979	Pontiac Rescue Mission	Bresser's Criss-Cross Directory
1973	Residential	Bresser's Criss-Cross Directory

University Drive AKA Mt. Clemens

100 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Residential	Polk's City Directory
1957	Residential	Polk's City Directory
1952	Residential	Polk's City Directory
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

FINDINGS

101 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Residential	Polk's City Directory
1957	Residential	Polk's City Directory
1952	Residential	Polk's City Directory
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

106 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Residential	Polk's City Directory
1957	Residential	Polk's City Directory
1952	Residential	Polk's City Directory
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Justin R Colby (sheet metal specialties)	Polk's City Directory
	Taylor Electric Service	Polk's City Directory
1927	Morton Taylor (electn.)	Polk's City Directory
1922	Morton Taylor (electn.)	Polk's City Directory

106 rear University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Indpendent Electric Co.	Polk's City Directory

107 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Residential	Polk's City Directory
1957	Residential	Polk's City Directory
1952	Residential	Polk's City Directory
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Vacant	Polk's City Directory
1927	Residential	Polk's City Directory
1922	H & H Brake Appliance Co.	Polk's City Directory

112 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Residential	Polk's City Directory

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	Residential	Polk's City Directory
1952	Residential	Polk's City Directory
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Vacant	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

114 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Residential	Polk's City Directory
1957	Residential	Polk's City Directory
1952	Residential	Polk's City Directory
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Vacant	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

117 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Residential	Polk's City Directory
1957	Residential	Polk's City Directory
1952	Residential	Polk's City Directory
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

118 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Residential	Polk's City Directory
1957	Residential	Polk's City Directory
1952	Residential	Polk's City Directory
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1922	Residential	Polk's City Directory

51 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Welden Sporting Goods Store	Polk's City Directory
1957	Welden Sporting Goods Store	Polk's City Directory
1952	George Gunnar (photog.)	Polk's City Directory

57 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

59 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

62 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1922	Residential	Polk's City Directory

63 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1952	Pontiac Retail Store (factory branch)	Polk's City Directory

66 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1922	Residential	Polk's City Directory

68 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1922	Residential	Polk's City Directory

FINDINGS

72 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1922	Residential	Polk's City Directory

72-76 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1922	Hoyt Apartments	Polk's City Directory

74 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1922	Residential	Polk's City Directory

75 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1945	Vacant	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

76 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Mac's Parking Lot	Polk's City Directory
1957	Mac's Parking Lot	Polk's City Directory
1952	Mac's Parking Lot (autos)	Polk's City Directory
1922	Vacant	Polk's City Directory

81 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Harris Bros. (contrs.)	Polk's City Directory

82 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Residential	Polk's City Directory
1957	Residential	Polk's City Directory
1952	Residential	Polk's City Directory
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

FINDINGS

85 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1952	American Legion Post	Polk's City Directory
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

86 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

86 1/2 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory

88 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	Paramount Land Co. (real estate)	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

88 1/2 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	Residential	Polk's City Directory

90 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Vacant	Polk's City Directory
1957	GMC Truck & Coach Local No. 594 UAW-CIO	Polk's City Directory
1952	GMC Truck & Coach Local No. 594 UAW-CIO	Polk's City Directory
1945	UAW of Amer. Yellow Cab Local No. 594	Polk's City Directory
1939	Cook Apartments	Polk's City Directory
1931	Residential	Polk's City Directory

FINDINGS

91 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

92 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	Detroit Times Agency	Polk's City Directory
1931	Fuller Padfield & Cummins (carpets)	Polk's City Directory

93 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Mac's Parking Lot	Polk's City Directory
1957	Mac's Parking Lot	Polk's City Directory
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Vacant	Polk's City Directory

94 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Residential	Polk's City Directory
1957	Residential	Polk's City Directory
1952	Residential	Polk's City Directory
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

96 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Residential	Polk's City Directory
1957	Residential	Polk's City Directory
1952	Residential	Polk's City Directory
1945	Residential	Polk's City Directory
1939	Residential	Polk's City Directory

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

99 University Drive AKA Mt. Clemens

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Residential	Polk's City Directory
1957	Residential	Polk's City Directory
1952	Residential	Polk's City Directory
1939	Residential	Polk's City Directory
1931	Residential	Polk's City Directory
1927	Residential	Polk's City Directory
1922	Residential	Polk's City Directory

Wide Track Drive E

Wide Track Drive E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	-No Intersecting Addresses Determined	Bresser's Criss-Cross Directory

590 Wide Track Drive E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	Assante's Mobil	Bresser's Criss-Cross Directory
1999	Pontiac Mobil Fdmrt.	Bresser's Criss-Cross Directory
1994	Asantes Mobil	Bresser's Criss-Cross Directory
1989	Gas & Go	Bresser's Criss-Cross Directory
1984	Gas & Go	Bresser's Criss-Cross Directory
1979	Boron Oil Co.	Bresser's Criss-Cross Directory
1973	Boron Oil Co.	Bresser's Criss-Cross Directory

FINDINGS

STREET NOT LISTED IN RESEARCH SOURCE

The following Streets were researched for this report, and the Streets were not listed in the research source.

Street Researched

Wide Track Drive E

Street Not Listed in Research Source

1962, 1957, 1952, 1945, 1939, 1931, 1927, 1922

TARGET PROPERTY: ADDRESS NOT LISTED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not listed in the research source.

Address Researched

65 University Drive

Address Not Listed in Research Source

1999, 1994, 1989, 1984, 1952

ADJOINING PROPERTY: ADDRESSES NOT LISTED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not listed in research source.

Address Researched

106 rear University Drive AKA
Mt. Clemens

109 University Drive

109 University Drive AKA Mt.
Clemens

51 University Drive

51 University Drive AKA Mt.
Clemens

52 University Drive

52 University Drive AKA Mt.
Clemens

60 University Drive

60 University Drive AKA Mt.
Clemens

63 University Drive AKA Mt.
Clemens

71 University Drive

71 University Drive AKA Mt.
Clemens

76 University Drive AKA Mt.
Clemens

81 University Drive AKA Mt.
Clemens

Address Not Listed in Research Source

1922

1989, 1984, 1979, 1973

1962, 1957, 1952, 1945, 1939, 1931, 1927, 1922

1984

1945, 1939, 1931, 1927, 1922

2004, 1999, 1994, 1989, 1984, 1979, 1973

1962, 1957, 1952, 1945, 1939, 1931, 1927, 1922

2004, 1999, 1994, 1989, 1984, 1979, 1973

1962, 1957, 1952, 1945, 1939, 1931, 1927, 1922

1962, 1957, 1945, 1939, 1931, 1927, 1922

1999, 1994, 1989, 1984, 1979, 1973

1962, 1957, 1952, 1945, 1939, 1931, 1927, 1922

1945, 1939, 1931, 1927

1922

FINDINGS

Address Researched

86 1/2 University Drive AKA Mt.
Clemens

88 1/2 University Drive AKA Mt.
Clemens

90 University Drive

90 University Drive AKA Mt.
Clemens

92 University Drive AKA Mt.
Clemens

93 University Drive AKA Mt.
Clemens

99 University Drive AKA Mt.
Clemens

Address Not Listed in Research Source

1927, 1922

1931, 1927, 1922

1999, 1994

1927, 1922

1927, 1922

1952

1945

Topographic Maps

Employee Development Center -Site ID 1001

65 University Drive

Pontiac, MI 48342

Inquiry Number: 2559388.16

August 07, 2009

The EDR Historical Topographic Map Report

EDR 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 resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

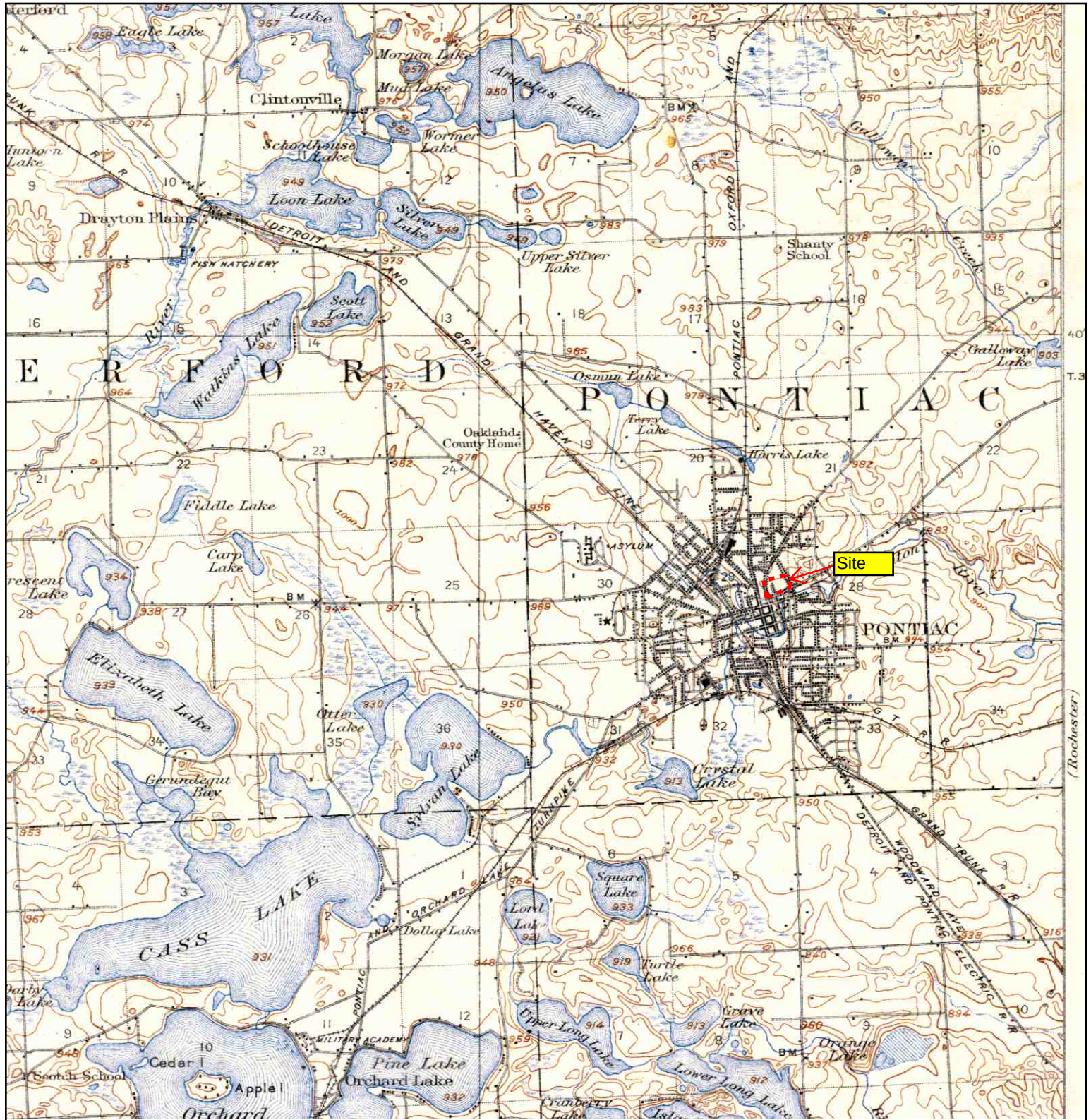
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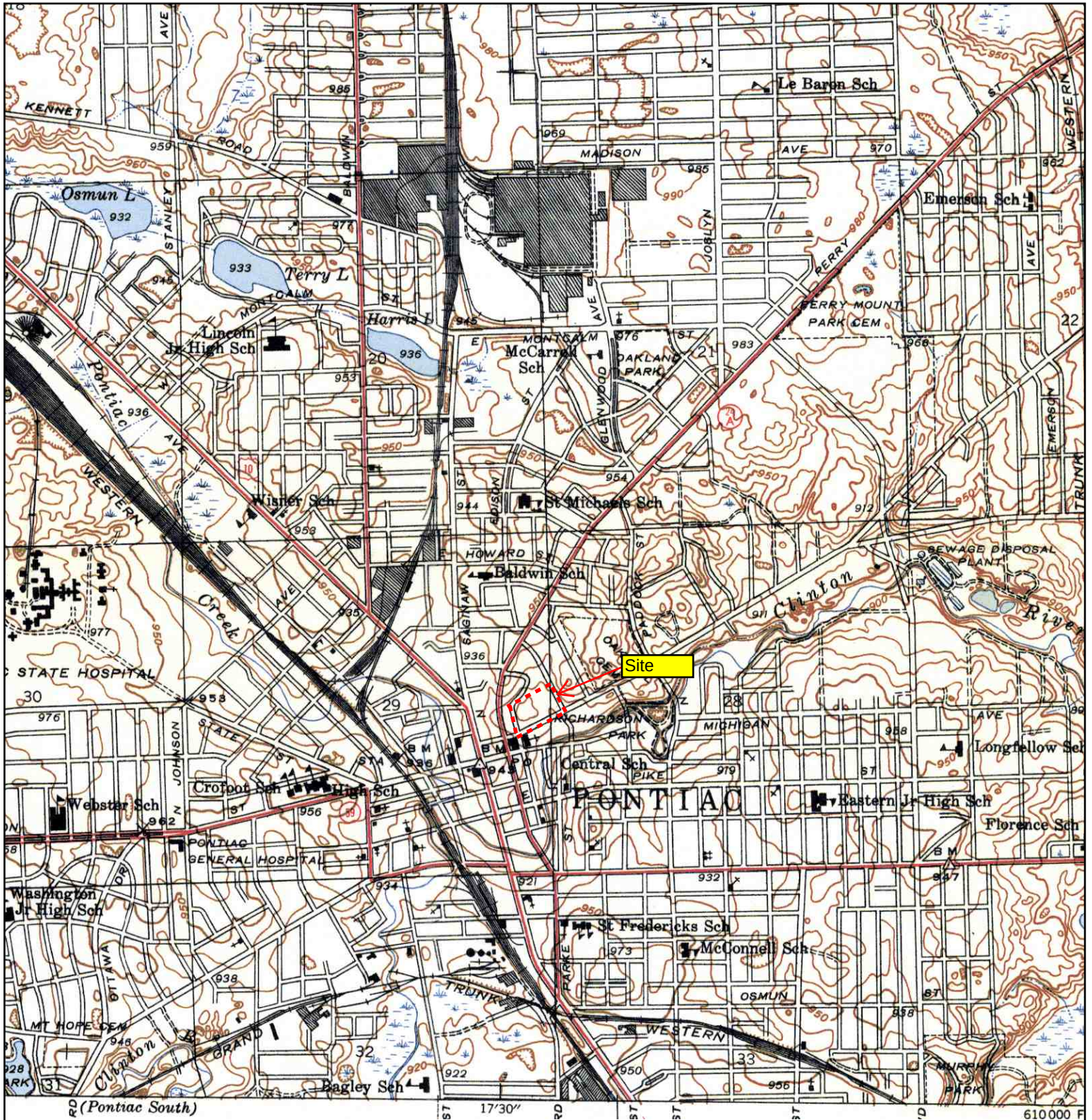
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Historical Topographic Map



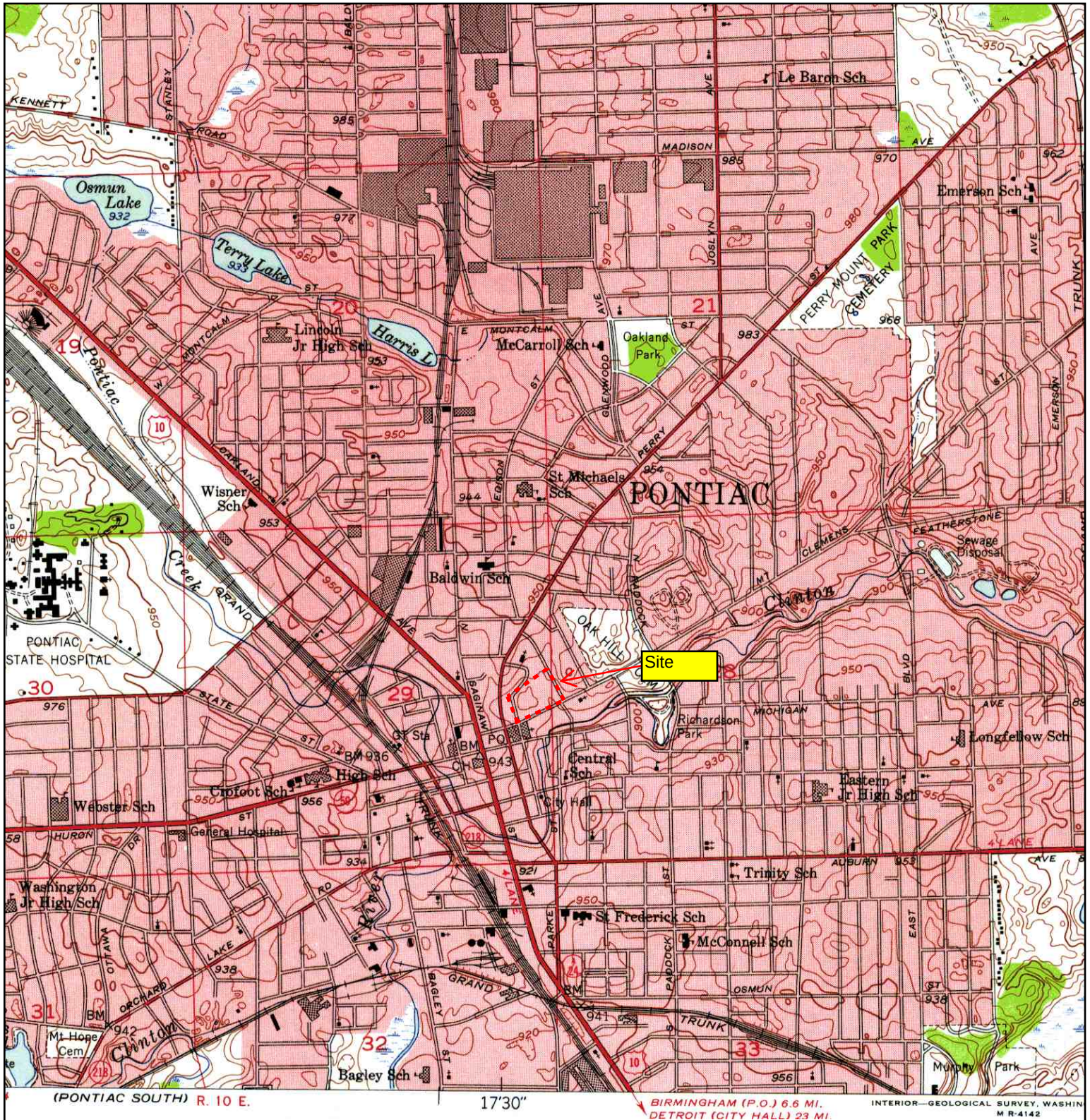
N ↑	TARGET QUAD NAME: PONTIAC MAP YEAR: 1907 SERIES: 15 SCALE: 1:62500	SITE NAME: Employee Development Center -Site ID 1001 ADDRESS: 65 University Drive Pontiac, MI 48342 LAT/LONG: 42.6403 / 83.2908	CLIENT: LFR Inc CONTACT: Rich Mall INQUIRY#: 2559388.16 RESEARCH DATE: 08/07/2009
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Historical Topographic Map



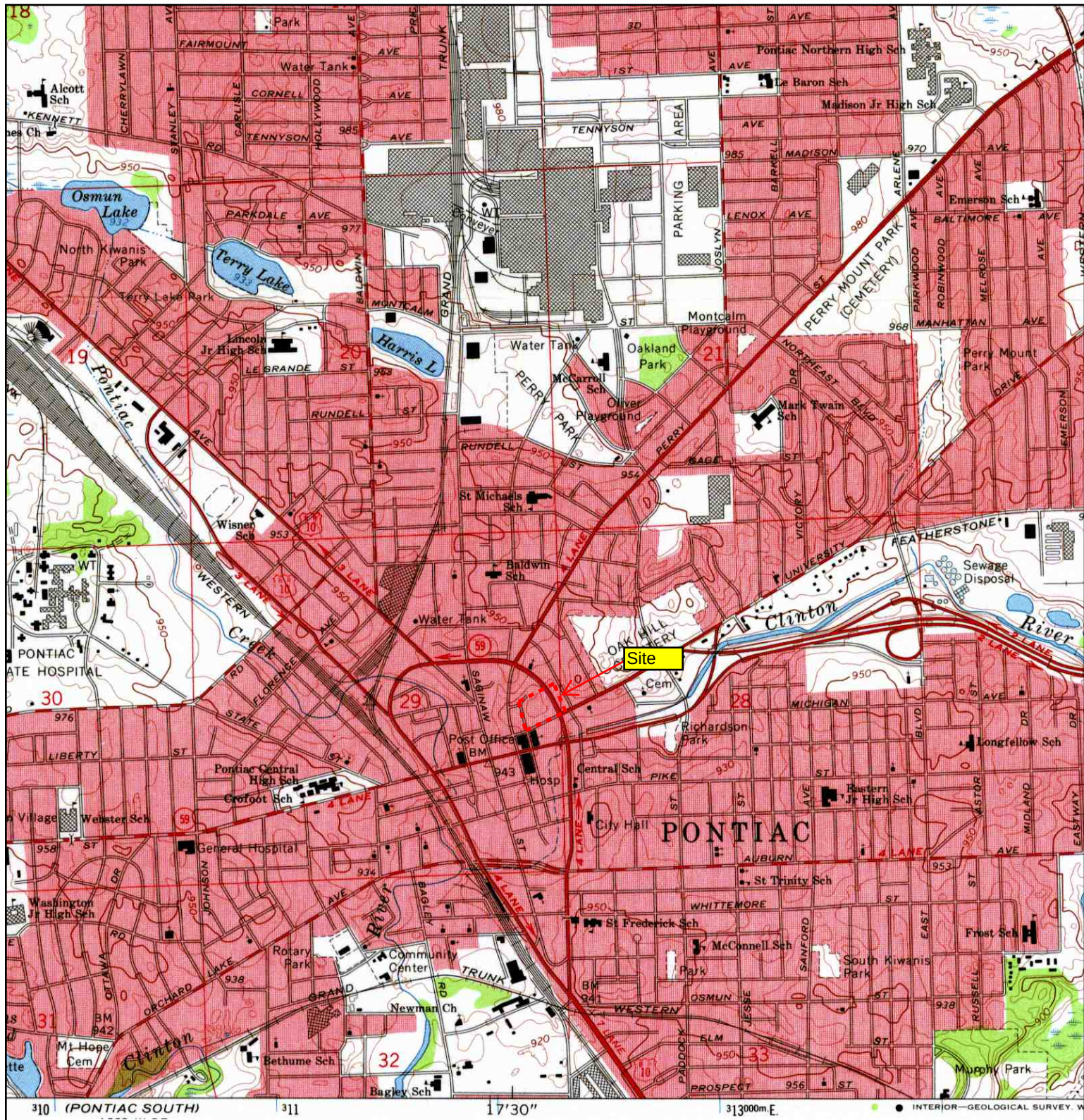
N ↑	TARGET QUAD NAME: PONTIAC NORTH MAP YEAR: 1943 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Employee Development Center -Site ID 1001 ADDRESS: 65 University Drive Pontiac, MI 48342 LAT/LONG: 42.6403 / 83.2908	CLIENT: LFR Inc CONTACT: Rich Mall INQUIRY#: 2559388.16 RESEARCH DATE: 08/07/2009
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Historical Topographic Map



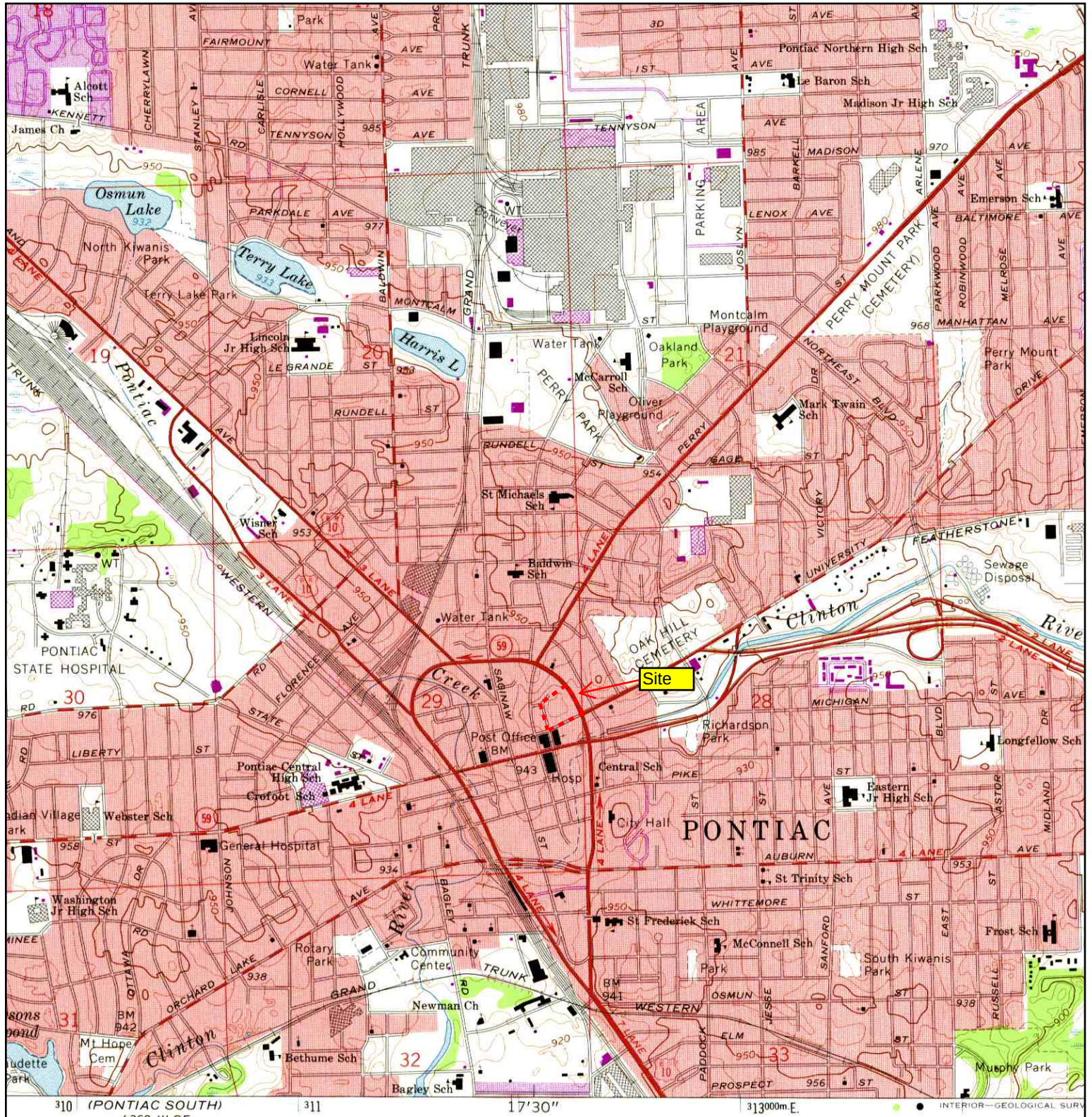
N ↑	TARGET QUAD NAME: PONTIAC NORTH MAP YEAR: 1952 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Employee Development Center -Site ID 1001 ADDRESS: 65 University Drive Pontiac, MI 48342 LAT/LONG: 42.6403 / 83.2908	CLIENT: LFR Inc CONTACT: Rich Mall INQUIRY#: 2559388.16 RESEARCH DATE: 08/07/2009
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Historical Topographic Map



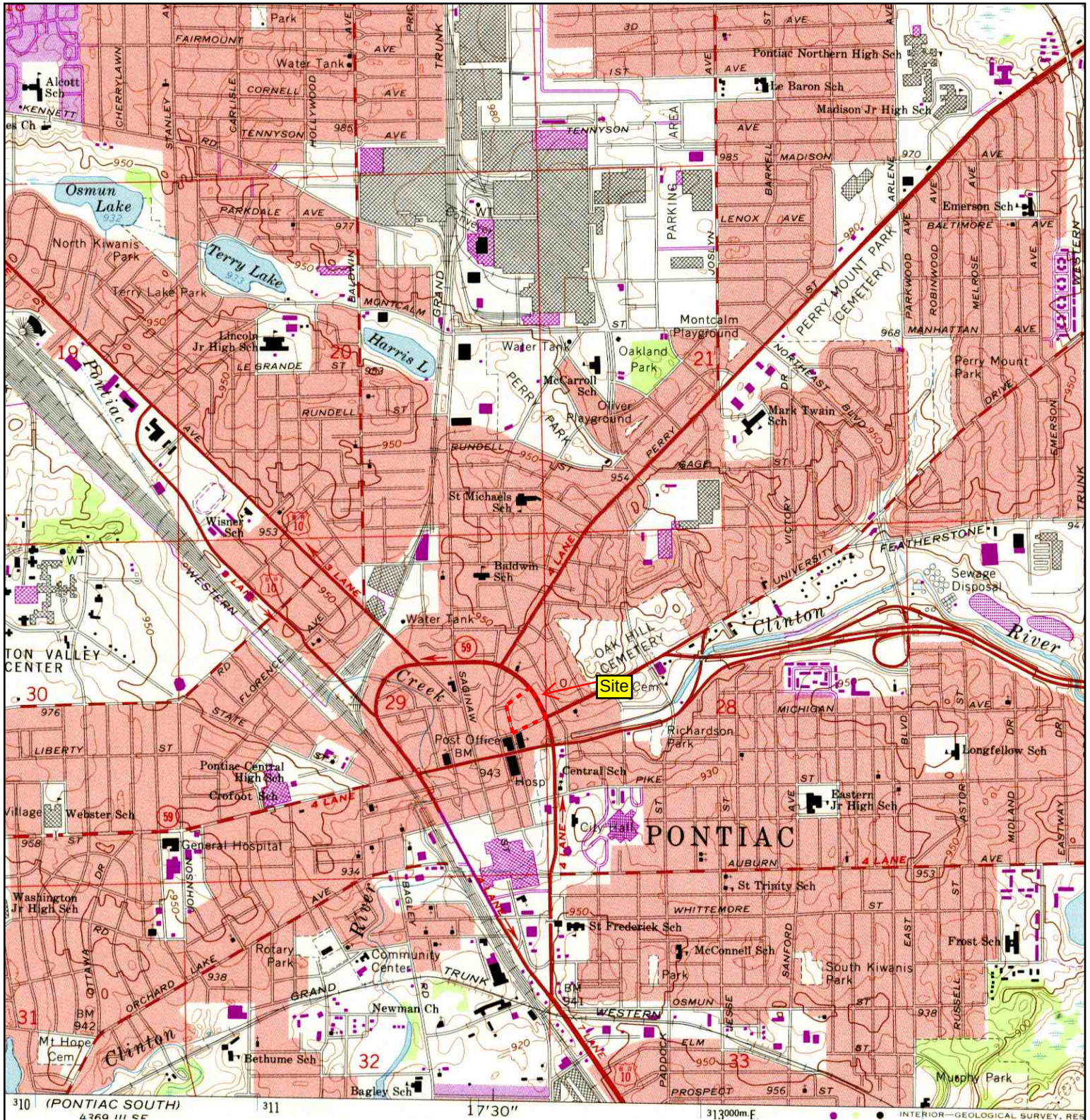
N ↑	TARGET QUAD	SITE NAME:	Employee Development	CLIENT:	LFR Inc
	NAME: PONTIAC NORTH		Center -Site ID 1001	CONTACT:	Rich Mall
	MAP YEAR: 1968	ADDRESS:	65 University Drive	INQUIRY#:	2559388.16
			Pontiac, MI 48342	RESEARCH DATE:	08/07/2009
	SERIES: 7.5	LAT/LONG:	42.6403 / 83.2908		
	SCALE: 1:24000				

Historical Topographic Map



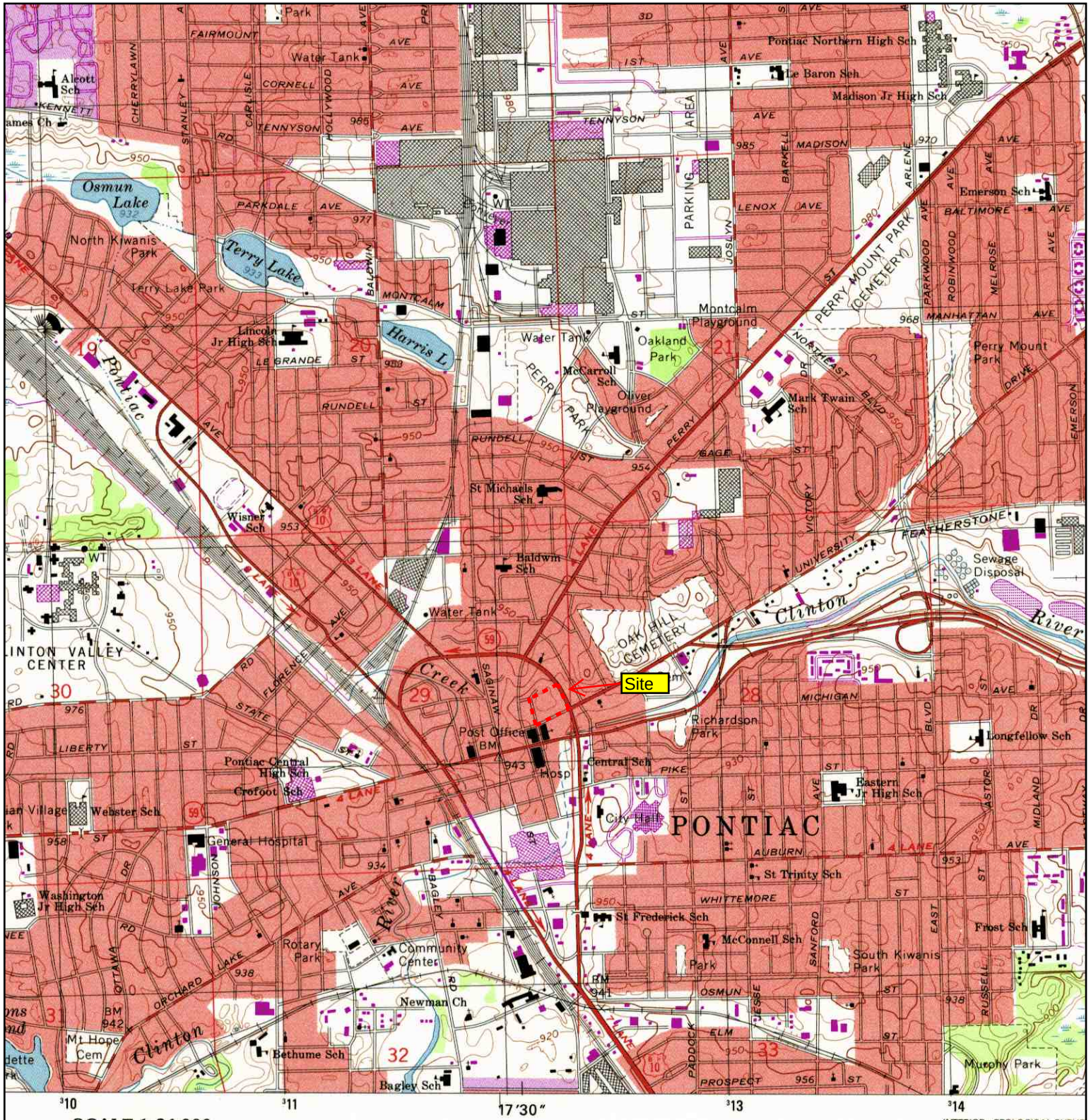
N ↑	TARGET QUAD NAME: PONTIAC NORTH MAP YEAR: 1973 PHOTOREVISED FROM: 1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Employee Development Center -Site ID 1001 ADDRESS: 65 University Drive Pontiac, MI 48342 LAT/LONG: 42.6403 / 83.2908	CLIENT: LFR Inc CONTACT: Rich Mall INQUIRY#: 2559388.16 RESEARCH DATE: 08/07/2009
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Historical Topographic Map



N ↑	TARGET QUAD NAME: PONTIAC NORTH MAP YEAR: 1983 PHOTOREVISED FROM: 1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Employee Development Center -Site ID 1001 ADDRESS: 65 University Drive Pontiac, MI 48342 LAT/LONG: 42.6403 / 83.2908	CLIENT: LFR Inc CONTACT: Rich Mall INQUIRY#: 2559388.16 RESEARCH DATE: 08/07/2009
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Historical Topographic Map



N ↑	TARGET QUAD NAME: PONTIAC NORTH MAP YEAR: 1997 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Employee Development Center -Site ID 1001 ADDRESS: 65 University Drive Pontiac, MI 48342 LAT/LONG: 42.6403 / 83.2908	CLIENT: LFR Inc CONTACT: Rich Mall INQUIRY#: 2559388.16 RESEARCH DATE: 08/07/2009
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APPENDIX C

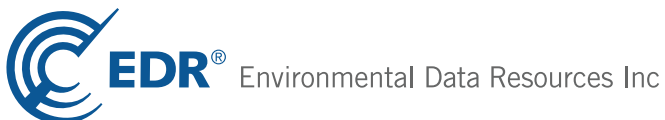
EDR Radius Map Report

65 University Drive

65 University Drive
Pontiac, MI 48342

Inquiry Number: 2614840.2s
October 15, 2009

The EDR Radius Map™ Report with GeoCheck®



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Milford, CT 06461
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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 was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

65 UNIVERSITY DRIVE
PONTIAC, MI 48342

COORDINATES

Latitude (North): 42.640600 - 42° 38' 26.2"
Longitude (West): 83.290200 - 83° 17' 24.7"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 312235.8
UTM Y (Meters): 4723233.5
Elevation: 919 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42083-F3 PONTIAC NORTH, MI
Most Recent Revision: 1997

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2005
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
GENERAL MOTORS CORPORATION 65 E UNIVERSITY DR PONTIAC, MI 48342	FINDS	N/A
GM PONTIAC EMPLOYEE DEVELOPMENT C 65 EAST UNIVERSITY DR PONTIAC, MI 48342	UST	N/A
65 E. UNIVERSITY 65 E. UNIVERSITY PONTIAC, MI	LUST Facility Status: Open Facility Status: Closed LIENS	N/A

EXECUTIVE SUMMARY

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 search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Transporters, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Facilities Database

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST..... Aboveground Tanks

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields and UST Site Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

HIST LF..... Inactive Solid Waste Facilities

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

DEL SHWS..... Delisted List of Contaminated Sites

CDL..... Clandestine Drug Lab Listing

US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

LUCIS..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... Pollution Emergency Alerting System

Other Ascertainable Records

DOT OPS..... Incident and Accident Data

DOD..... Department of Defense Sites

FUDS..... Formerly Used Defense Sites

CONSENT..... Superfund (CERCLA) Consent Decrees

ROD..... Records Of Decision

UMTRA..... Uranium Mill Tailings Sites

MINES..... Mines Master Index File

TRIS..... Toxic Chemical Release Inventory System

EXECUTIVE SUMMARY

TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
UIC.....	Underground Injection Wells Database
DRYCLEANERS.....	Drycleaning Establishments
NPDES.....	List of Active NPDES Permits
AIRS.....	Permit and Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH.....	Coal Ash Disposal Sites

EDR PROPRIETARY RECORDS

EDR Proprietary Records

EDR Historical Auto Stations.. EDR Proprietary Historic Gas Stations
EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 11/12/2008 has revealed that there is 1

EXECUTIVE SUMMARY

RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
POH MEDICAL CENTER	50 N PERRY ST	S 1/8 - 1/4 (0.190 mi.)	C9	22

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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.

A review of the RCRA-CESQG list, as provided by EDR, and dated 11/12/2008 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MICHIGAN BELL TELEPHONE COMPAN	54 N MILL	S 1/8 - 1/4 (0.164 mi.)	B7	18

State- and tribal - equivalent CERCLIS

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, and dated 08/11/2009 has revealed that there are 2 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY OF PONTIAC Facility Status: Interim Response in progress	55 WESSEN STREET	S 1/2 - 1 (0.624 mi.)	H36	57
AMERICAN FORGE AND SOCKET Facility Status: No status assigned	150-160 BRANCH	SW 1/2 - 1 (0.969 mi.)	37	58

State and tribal leaking storage tank lists

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 09/01/2009 has revealed that there are 11 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VOORHEES SIPLE FUNERAL HOME Facility Status: Closed	268 N PERRY ST	N 1/8 - 1/4 (0.223 mi.)	11	27
OAK HILL CEMETERY Facility Status: Closed	216 UNIVERSITY DR	ENE 1/4 - 1/2 (0.275 mi.)	18	39

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER FORTERS AUTO WASH Facility Status: Open	149 W HURON ST	WSW 1/4 - 1/2 (0.460 mi.)	29	53
PARCEL 62 Facility Status: Open	93 ORCHARD LAKE RD	SSW 1/4 - 1/2 (0.469 mi.)	F31	54
GM TRUCK & BUS EAST Facility Status: Closed	31 E JUDSON ST	S 1/4 - 1/2 (0.497 mi.)	34	56
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SBC - MICHIGAN PONTIAC CENTRAL Facility Status: Closed	54 N MILL ST	S 1/8 - 1/4 (0.164 mi.)	B6	16
OIC OF OAKLAND COUNTY Facility Status: Closed	62-64 W LAWRENCE	SW 1/4 - 1/2 (0.330 mi.)	21	41
MICHIGAN NATIONAL CORP Facility Status: Open	40 W PIKE ST	SSW 1/4 - 1/2 (0.354 mi.)	E22	43
OAKLAND AUTO SUPPLY Facility Status: Closed	50606 WOODWARD AVENUE	SW 1/4 - 1/2 (0.363 mi.)	24	45
GORDON AUTOMOTIVE Facility Status: Closed Facility Status: Closed	200 N PADDOCK	E 1/4 - 1/2 (0.411 mi.)	26	49
SALVATION ARMY ADULT REHABILIT Facility Status: Closed	117 W LAWRENCE ST., PO	SW 1/4 - 1/2 (0.415 mi.)	27	51

State and tribal registered storage tank lists

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 09/01/2009 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
POH MEDICAL CENTER	50 N PERRY ST	S 1/8 - 1/4 (0.190 mi.)	C8	20
VOORHEES SIPLE FUNERAL HOME	268 N PERRY ST	N 1/8 - 1/4 (0.223 mi.)	11	27
POLICE DEPARTMENT	110 E PIKE ST	SSE 1/8 - 1/4 (0.241 mi.)	D15	33
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SBC - MICHIGAN PONTIAC CENTRAL	54 N MILL ST	S 1/8 - 1/4 (0.164 mi.)	B6	16

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

EXECUTIVE SUMMARY

US BROWNFIELDS: The EPA's listing of Brownfields properties addressed by Cooperative Agreement Recipients and Brownfields properties addressed by Targeted Brownfields Assessments

A review of the US BROWNFIELDS list, as provided by EDR, and dated 10/01/2008 has revealed that there are 4 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
41 SAGINAW STREET	41 SAGINAW STREET	SSW 1/8 - 1/4 (0.212 mi.)	10	24
FORMER SEARS PROPERTY	100 PIKE ST E	SSE 1/8 - 1/4 (0.239 mi.)	D13	30
CLINTON RIVER	100 PIKE ST E	SSE 1/8 - 1/4 (0.239 mi.)	D14	32
CENTRAL SCHOOL	101 EAST PIKE STREET	SSE 1/8 - 1/4 (0.247 mi.)	17	36

Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 11/12/2008 has revealed that there are 4 RCRA-NonGen sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOWNTOWN VALET CLEANERS	113 N PERRY	WSW 0 - 1/8 (0.082 mi.)	4	12
30 NORTH SAGINAW LLC	30 N SAGINAW ST	SSW 1/8 - 1/4 (0.232 mi.)	12	28
CITY OF PONTIAC POLICE DEPARTM	110 E PIKE ST	SSE 1/8 - 1/4 (0.241 mi.)	D16	34
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MOBIL OIL CORP	590 E WIDETRACK	SE 1/8 - 1/4 (0.131 mi.)	5	14

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 09/14/2009 has revealed that there are 9 BEA sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHARTER ONE BANK, F.S.B.	71-75 WEST HURON ROAD	WSW 1/4 - 1/2 (0.301 mi.)	20	40
PHOENIX PLACE APARTMENTS	47251 WOODWARD AVENUE	SSE 1/4 - 1/2 (0.370 mi.)	25	49
C. LANE MALLY, L.L.C.	109 NORTH CASS AVENUE	W 1/4 - 1/2 (0.454 mi.)	28	53
CITY OF PONTIAC/PARCEL 63	87 ORCHARD LAKE ROAD	SSW 1/4 - 1/2 (0.468 mi.)	F30	54
PONTIAC PUBLIC SCHOOL ACADEMY	140 NORTH CASS	W 1/4 - 1/2 (0.488 mi.)	G32	55
BAYPON ACADEMY LEASING LLC	140 NORTH CASS	W 1/4 - 1/2 (0.488 mi.)	G33	56
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DT ASSETS, LLC	29 WEST LAWRENCE STREET	SW 1/4 - 1/2 (0.287 mi.)	19	40
MICHIGAN NATIONAL CORP	40 W PIKE ST	SSW 1/4 - 1/2 (0.354 mi.)	E22	43
40 WEST PIKE STREET, L.L.C.	40 WEST PIKE STREET	SSW 1/4 - 1/2 (0.354 mi.)	E23	45

EXECUTIVE SUMMARY

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the Manufactured Gas Plants list, as provided by EDR, has revealed that there is 1 Manufactured Gas Plants site within approximately 1 mile of the target property.

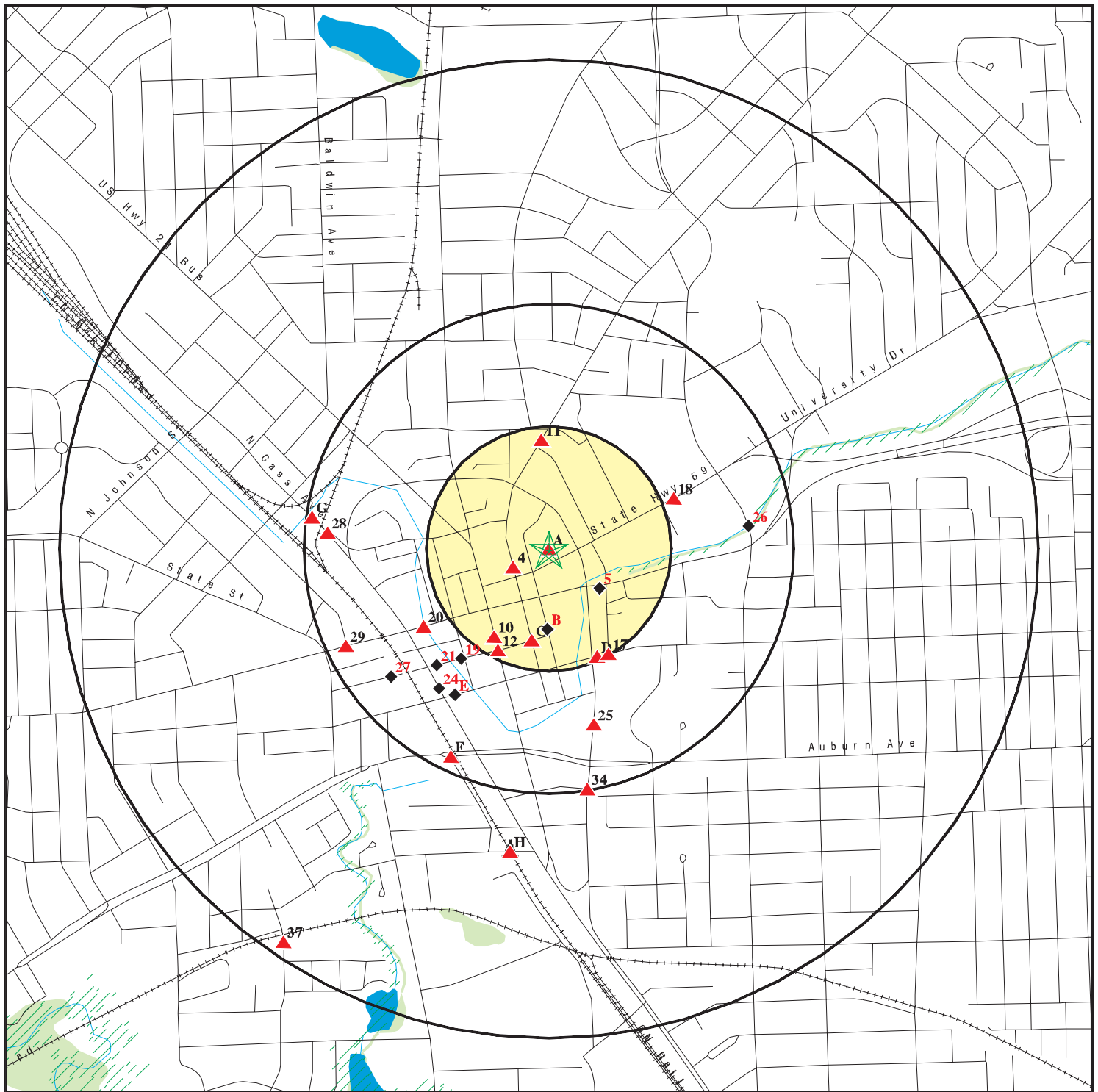
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY GAS WORKS	55 WESSEN STREET	S 1/2 - 1 (0.624 mi.)	H35	57

EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
GM TRUCK AND BUS PONTIAC CENTRAL	SHWS
ASPHALT SPECIALIST INC	SHWS, DEL SHWS
WIDETRACK AT WESSON STREET, VACANT	BROWNFIELDS
WIDETRACK DRIVE AND N. SAGINAW, NE	BROWNFIELDS
SUN VALLEY PROPERTIES	BROWNFIELDS
EDWARD LEE	LUST, UST
UNDER CAR CARE	LUST, UST
ORCHARD LAKE ROAD	LUST
EXPANSION FUNDS INC	LUST
PONTIAC WEST ASSEMBLY	LUST, UST
SUN VALLEY PROPERTIES INC	LUST, UST
ASANTES PROPERTIES LLC	LUST, UST
WOODWARD OFFICE PLAZA	LUST, UST
SPEEDY MUFFLER KING	LUST, UST
CITY OF PONTIAC	RCRA-CESQG
EMBASSY 9 W., BETWEEN UNIVERSITY E	ERNS
1824 W. LAWRENCE	US BROWNFIELDS
SOUTH SAGINAW STREET PARCELS	BEA
LAWRENCE TECHNOLOGICAL UNIVERSITY	BEA
RAILROAD RIGHT-OF-WAY (FORMER)	BEA
MICHIGAN CAT RENTAL SERVICES	BEA
HARRIS LAKE PARK DEVELOPMENT	BEA

OVERVIEW MAP - 2614840.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

● Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

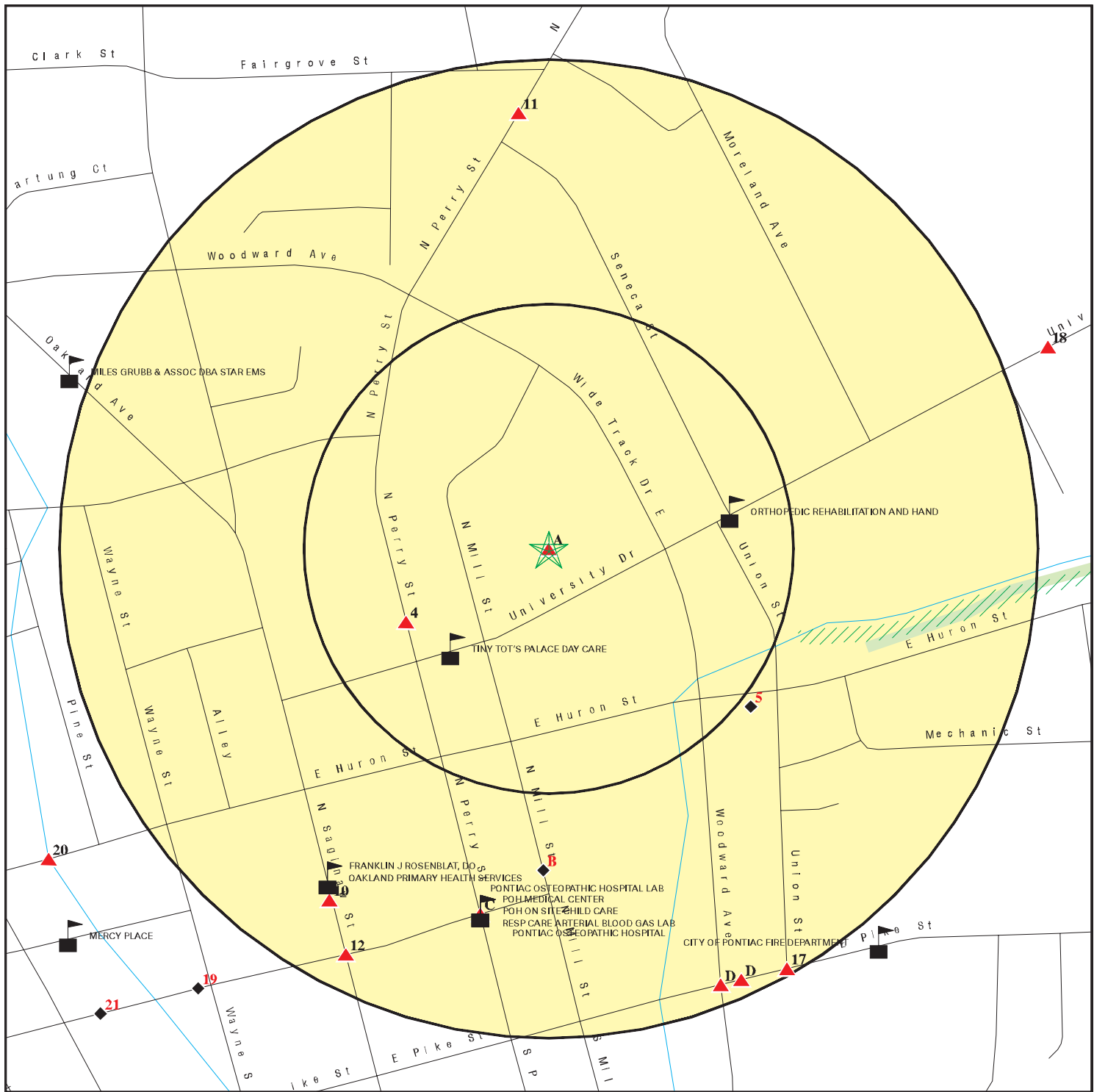
State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 65 University Drive
ADDRESS: 65 University Drive
Pontiac MI 48342
LAT/LONG: 42.6406 / 83.2902

CLIENT: LFR Inc.
CONTACT: Dan Petzold
INQUIRY #: 2614840.2s
DATE: October 15, 2009 2:09 pm

DETAIL MAP - 2614840.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

■ Manufactured Gas Plants

■ Sensitive Receptors

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

■ Oil & Gas pipelines

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

■ State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 65 University Drive
ADDRESS: 65 University Drive
Pontiac MI 48342
LAT/LONG: 42.6406 / 83.2902

CLIENT: LFR Inc.
CONTACT: Dan Petzold
INQUIRY #: 2614840.2s
DATE: October 15, 2009 2:09 pm

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
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.500	0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.000	0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	1	NR	NR	NR	1
RCRA-CESQG		0.250	0	1	NR	NR	NR	1
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS		TP	NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS		1.000	0	0	0	2	NR	2
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		0.500	0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	X	0.500	0	2	9	NR	NR	11
INDIAN LUST		0.500	0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
UST	X	0.250	0	4	NR	NR	NR	4
AST		0.250	0	0	NR	NR	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
INDIAN UST		0.250	0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP		0.500	0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	4	0	NR	NR	4
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
DEL SHWS		1.000	0	0	0	0	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS	X	TP	NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	1	3	NR	NR	NR	4
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	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
ICIS	X	TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
UIC		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
BEA		0.500	0	0	9	NR	NR	9
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	1.000	0	0	0	1	NR	1
EDR Historical Auto Stations	0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners	0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target
Property

GENERAL MOTORS CORPORATION
65 E UNIVERSITY DR
PONTIAC, MI 48342

FINDS 1012106282
N/A

Site 1 of 3 in cluster A

Actual:
919 ft.

FINDS:

Registry ID: 110038865403

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A2
Target
Property

GM PONTIAC EMPLOYEE DEVELOPMENT CENTER
65 EAST UNIVERSITY DR
PONTIAC, MI 48342

UST U000262943
N/A

Site 2 of 3 in cluster A

Actual:
919 ft.

UST:

Facility ID: 00015260
Facility Type: ACTIVE
Latitude: 42.6402310000
Longitude: -83.2905470000
Owner Name: General Motors Corporation - Remediation
Owner Address: 2000 Centerpoint Pkwy MC-483-520-190
Owner City,St,Zip: Pontiac, MI 48341-3147
Owner Country: USA
Owner Contact: Fred Rindhage
Owner Phone: (248) 753-5790
Contact: fFred Rindhage
Contact Phone: (248) 753-5790
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 9
Tank Status: Currently In Use
Capacity: 50
Install Date: Apr 4 1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM PONTIAC EMPLOYEE DEVELOPMENT CENTER (Continued)

U000262943

Tank ID: 13
Tank Status: **Currently In Use**
Capacity: 50
Install Date: Apr 4 1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: **Currently In Use**
Capacity: 50
Install Date: Apr 4 1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 7
Tank Status: **Currently In Use**
Capacity: 50
Install Date: Apr 4 1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 12
Tank Status: **Currently In Use**
Capacity: 50
Install Date: Apr 4 1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM PONTIAC EMPLOYEE DEVELOPMENT CENTER (Continued)

U000262943

Tank Status: Removed from Ground
Capacity: 1000
Install Date: Apr 4 1950
Product: Not reported
Remove Date: Apr 1 1986
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Currently In Use
Capacity: 50
Install Date: Apr 4 1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Apr 4 1950
Product: Not reported
Remove Date: Apr 1 1980
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Apr 4 1950
Product: SPILL TANK,DILUTE SULFURIC ACID,7,
Remove Date: Dec 18 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Currently In Use

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM PONTIAC EMPLOYEE DEVELOPMENT CENTER (Continued)

U000262943

Capacity: 50
Install Date: Apr 4 1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 10
Tank Status: Currently In Use
Capacity: 50
Install Date: Apr 4 1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 14
Tank Status: Currently In Use
Capacity: 50
Install Date: Apr 4 1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 8
Tank Status: Currently In Use
Capacity: 50
Install Date: Apr 4 1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 11
Tank Status: Currently In Use
Capacity: 50

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM PONTIAC EMPLOYEE DEVELOPMENT CENTER (Continued)

U000262943

Install Date: Apr 4 1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

**A3
Target
Property**

**65 E. UNIVERSITY
PONTIAC, MI**

**LUST S108414329
LIENS N/A**

Site 3 of 3 in cluster A

**Actual:
919 ft.**

LUST:

Facility ID: 00015260
Source: STATE OF MICHIGAN
Owner Name: General Motors Corporation - Remediation
Owner Address: 2000 Centerpoint Pkwy MC-483-520-190
Owner City,St,Zip: Pontiac, MI 48341-3147
Owner Contact: Fred Rindhage
Owner Phone: (248) 753-5790
Country: USA
District: SE Michigan District Office
Site Name: GM Pontiac Employee Development Center
Latitude: 42.6402310000
Longitude: -83.2905470000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0328-06
Release Date: Nov 6 2006
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-1142-91
Release Date: Jun 7 1991
Substance Released: Unknown
Release Status: Closed
Release Closed Date: Dec 22 1995

LIENS:

Facility Township: 29
Lot Number: Not reported
Section: 2,3-15
Township: T3N
Range: R10E
Tax Code: 14-29-428-002
Other Description: Assessor Plat No 121

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

4
WSW
< 1/8
0.082 mi.
433 ft.

DOWNTOWN VALET CLEANERS
113 N PERRY
PONTIAC, MI 48342

FINDS **1001124119**
RCRA-NonGen **MIR000020537**

Relative:
Equal

FINDS:

Registry ID: 110003699098

Environmental Interest/Information System

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RCRA-NonGen:

Date form received by agency: 11/02/1998
Facility name: DOWNTOWN VALET CLEANERS
Facility address: 113 N PERRY
PONTIAC, MI 48342
EPA ID: MIR000020537
Contact: BILL QUINN
Contact address: 113 N PERRY
PONTIAC, MI 48342
Contact country: Not reported
Contact telephone: (810) 332-0220
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: BILL QUINN
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: BILL QUINN
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWNTOWN VALET CLEANERS (Continued)

1001124119

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 12/11/1996
Facility name: DOWNTOWN VALET CLEANERS
Classification: Not a generator, verified

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

5
SE
1/8-1/4
0.131 mi.
692 ft.

MOBIL OIL CORP
590 E WIDETRACK
PONTIAC, MI 48342

FINDS **1000529135**
RCRA-NonGen **MID985615681**

Relative:
Lower

FINDS:

Registry ID: 110003659149

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

RCRA-NonGen:

Date form received by agency: 09/17/1998
Facility name: MOBIL OIL CORP
Facility address: 590 E WIDETRACK
PONTIAC, MI 48342
EPA ID: MID985615681
Mailing address: 3225 GALLOWS RD
FAIRFAX, VA 22037
Contact: DAN HORTON
Contact address: 590 E WIDETRACK
PONTIAC, MI 48342
Contact country: Not reported
Contact telephone: (703) 849-3330
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: MOBIL OIL CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: MOBIL OIL CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL OIL CORP (Continued)

1000529135

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 06/05/1991
Facility name: MOBIL OIL CORP
Classification: Not a generator, verified

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B6
South
1/8-1/4
0.164 mi.
867 ft.

SBC - MICHIGAN PONTIAC CENTRAL OFFICE
54 N MILL ST
PONTIAC, MI 48342
Site 1 of 2 in cluster B

LUST **U003329970**
UST **N/A**

Relative:
Lower

LUST:

Facility ID: 00011769
Source: STATE OF MICHIGAN
Owner Name: AT&T Michigan
Owner Address: 308 S Akard Ste 1700
Owner City,St,Zip: Dallas, TX 75202-5399
Owner Contact: Derrick Taylor
Owner Phone: (887) 648-2073
Country: USA
District: SE Michigan District Office
Site Name: Ameritech-pontiac Central Office
Latitude: 42.6396200000
Longitude: -83.2906890000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1291-97
Release Date: Dec 30 1997
Substance Released: Unknown
Release Status: Closed
Release Closed Date: May 26 1998

UST:

Facility ID: 00011769
Facility Type: ACTIVE
Latitude: 42.6396200000
Longitude: -83.2906890000
Owner Name: AT&T Michigan
Owner Address: 308 S Akard Ste 1700
Owner City,St,Zip: Dallas, TX 75202-5399
Owner Country: USA
Owner Contact: Derrick Taylor
Owner Phone: (887) 648-2073
Contact: Envriomental Management (Cheryl Allen)
Contact Phone: (866) 492-6836
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 15000
Install Date: May 8 1969
Product: Diesel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SBC - MICHIGAN PONTIAC CENTRAL OFFICE (Continued)

U003329970

Remove Date: Dec 4 1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Copper
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 15000
Install Date: May 8 1969
Product: Kerosene
Remove Date: Dec 5 1997
Tank Release Detection: Automatic Tank Gauging,Manual Tank Gauging
Pipe Realease Detection: Interstitial Monitoring/Second Containment
Piping Material: Copper
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 15000
Install Date: May 8 1969
Product: Kerosene
Remove Date: Dec 8 1997
Tank Release Detection: Automatic Tank Gauging,Manual Tank Gauging
Pipe Realease Detection: Interstitial Monitoring/Second Containment
Piping Material: Copper
Piping Type: Suction: Valve at Tank
Constr Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 15000
Install Date: May 8 1969
Product: Kerosene
Remove Date: Dec 8 1997
Tank Release Detection: Automatic Tank Gauging,Manual Tank Gauging
Pipe Realease Detection: Interstitial Monitoring/Second Containment
Piping Material: Cathodically Protected,Copper
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Currently In Use
Capacity: 10000
Install Date: Jan 1 1998
Product: Kerosene
Remove Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SBC - MICHIGAN PONTIAC CENTRAL OFFICE (Continued)

U003329970

Tank Release Detection: Automatic Tank Gauging,Inter Monitoring Double Walled Tank,Inventory Control

Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping

Piping Material: BLACK STEEL,Fiberglass reinforced plastic,Secondary Containment

Piping Type: Suction: Valve at Tank

Constr Material: Double Walled,Fiberglass Reinforced plastic

Impressed Device: No

Tank ID: 6

Tank Status: Currently In Use

Capacity: 10000

Install Date: Jan 1 1998

Product: Kerosene

Remove Date: Not reported

Tank Release Detection: Automatic Tank Gauging,Inter Monitoring Double Walled Tank,Inventory Control

Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping

Piping Material: BLACK STEEL,Fiberglass reinforced plastic,Secondary Containment

Piping Type: Suction: Valve at Tank

Constr Material: Double Walled,Fiberglass Reinforced plastic

Impressed Device: No

B7
South
1/8-1/4
0.164 mi.
867 ft.

MICHIGAN BELL TELEPHONE COMPANY
54 N MILL
PONTIAC, MI 48342

FINDS 1000237744
RCRA-CESQG MIT270012354

Site 2 of 2 in cluster B

Relative:
Lower

FINDS:

Registry ID: 110007598545

Actual:
915 ft.

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

RCRA-CESQG:

Date form received by agency: 01/24/2002

Facility name: MICHIGAN BELL TELEPHONE COMPANY

Facility address: 54 N MILL
PONTIAC, MI 48342

EPA ID: MIT270012354

Mailing address: 36 SOUTH FAIRVIEW AVE
PARK RIDGE, IL 60068

Contact: MANDY BOHLMANN

Contact address: 54 N MILL
PONTIAC, MI 48342

Contact country: Not reported

Contact telephone: (877) 648-2073

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN BELL TELEPHONE COMPANY (Continued)

1000237744

Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: MICHIGAN BELL TELEPHONE COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/24/2002
Owner/Op end date: Not reported

Owner/operator name: MICHIGAN BELL TELEPHONE COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/24/2002
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN BELL TELEPHONE COMPANY (Continued)

1000237744

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 09/17/1998
Facility name: MICHIGAN BELL TELEPHONE COMPANY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/12/1981
Facility name: MICHIGAN BELL TELEPHONE COMPANY
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

C8
South
1/8-1/4
0.190 mi.
1002 ft.

POH MEDICAL CENTER
50 N PERRY ST
PONTIAC, MI 48342
Site 1 of 2 in cluster C

UST **U003426419**
N/A

Relative:
Equal

UST:

Actual:
919 ft.

Facility ID: 00039842
Facility Type: CLOSED
Latitude: 42.6394220000
Longitude: -83.2913860000
Owner Name: Poh Medical Center
Owner Address: 50 N Perry St
Owner City, St, Zip: Pontiac, MI 48342-2217
Owner Country: USA
Owner Contact: Not reported
Owner Phone: 248-338-5000
Contact: Robert Pickup

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POH MEDICAL CENTER (Continued)

U003426419

Contact Phone: 248-338-5382
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 500
Install Date: Not reported
Product: Unkown
Remove Date: May 9 2003
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 500
Install Date: Jan 1 1987
Product: Diesel
Remove Date: Dec 3 1998
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 2500
Install Date: Aug 1 1996
Product: Diesel
Remove Date: Jul 2 1999
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Secondary Containment
Piping Type: Suction: Valve at Tank
Constr Material: Cathodically Protected Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

C9
South
1/8-1/4
0.190 mi.
1002 ft.

POH MEDICAL CENTER
50 N PERRY ST
PONTIAC, MI 48342
Site 2 of 2 in cluster C

RCRA-SQG
FINDS
MLTS

1000411346
MID010870863

Relative:
Equal

RCRA-SQG:

Date form received by agency: 03/30/2006

Facility name: POH MEDICAL CENTER

Facility address: 50 N PERRY ST
PONTIAC, MI 48342

EPA ID: MID010870863

Contact: ROBERT PICKUP

Contact address: 50 N PERRY ST
PONTIAC, MI 48342

Contact country: Not reported

Contact telephone: (248) 338-5670

Contact email: Not reported

EPA Region: 05

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: PONTIAC OSTEOPATHIC HOSPITAL

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/16/1952

Owner/Op end date: Not reported

Owner/operator name: PONTIAC OSTEOPATHIC HOSPITAL

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/16/1952

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POH MEDICAL CENTER (Continued)

1000411346

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 07/01/2003
Facility name: POH MEDICAL CENTER
Classification: Small Quantity Generator

Date form received by agency: 11/06/1986
Facility name: POH MEDICAL CENTER
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110001441921

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POH MEDICAL CENTER (Continued)

1000411346

used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MLTS:

License Number: 21-04081-03
First License Date: 11/01/1988
License Date: 03/24/2006
Lic. Expiration Date: 02/28/2014
Contact Name: EDUARD KOTLYAROV, M.D/RSO
Contact Phone: 248/338-5632
Institution Code: 4081
Primary Program: Not reported
Department: Not reported
Building: Not reported
States Allowing Use: Not reported
License Use: Not reported
Store Material Use: No
Redistribution Use: No
Incinerate Use: No
Burial Use: No
Last Inspection Date: 05/2007
Next Inspection Date: 05/2010
Inspector Name: PISKURA
Status: Not reported

10
SSW
1/8-1/4
0.212 mi.
1117 ft.

41 SAGINAW STREET
41 SAGINAW STREET
PONTIAC, MI 48342

US BROWNFIELDS **1006882488**
N/A

Relative:
Higher

US BROWNFIELDS:

Actual:
931 ft.

Recipient name: Oakland County
Project name: Oakland County, MI
Property name: 41 Saginaw Street
Parcel #: Not reported
Parcel size: 0.20
Latitude: 42.636063
Longitude: -83.291515

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

41 SAGINAW STREET (Continued)

1006882488

Region: 5
HCM label: Address Matching-House Number
Map scale: 100000
Point of reference: Entrance Point of a Facility or Station
Datum: North American Datum of 1983
ACRES property ID: 14679
Start date: 9/30/2001
Completed date: 9/30/2001
Accomplishment type: Phase I Environmental Assessment
Accomplishment (acres): Not reported
Ownership entity: Not reported
Current use: Not reported
Current owner: Not reported
Future use: Not reported
Past use flag: Not reported
Future use flag: Not reported
Cleanup required: Yes
Proprietary controls: Not reported
Gov. control: Not reported
Enforcement permit tools: Not reported
Info. devices: Not reported
Video available: Not reported
Photo available: Not reported
Usage type: Not reported
Not in state/tribal program: Not reported
IC data address: Not reported
IC in place date: Not reported
IC in place flag: Unknown
IC required flag: Not reported
NFA issue date: Not reported
State and tribal program date: Not reported
State and tribal program ID: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Not reported
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
None found: Not reported
None cleaned up: Not reported
No media found: Not reported
No media cleaned up: Not reported
Other found: Not reported
Other cleaned up: Not reported
Other metals found: Not reported
Other metals cleaned: Not reported
PAHs found: Not reported
PAHs cleaned up: Not reported
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

41 SAGINAW STREET (Continued)

1006882488

Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Not reported
Soil cleaned up: Not reported
Surface water affected: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
Unknown cleaned: Not reported
Unknown media: Not reported
Unknown media cleaned: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported

Recipient name: Oakland County
Project name: Oakland County, MI
Property name: 41 Saginaw Street
Parcel #: Not reported
Parcel size: 0.20
Latitude: 42.636063
Longitude: -83.291515
Region: 5
HCM label: Address Matching-House Number
Map scale: 100000
Point of reference: Entrance Point of a Facility or Station
Datum: North American Datum of 1983
ACRES property ID: 14679
Start date: 6/30/2002
Completed date: 6/30/2002
Accomplishment type: Cleanup Activity
Accomplishment (acres): Not reported
Ownership entity: Not reported
Current use: Not reported
Current owner: Not reported
Future use: Not reported
Past use flag: Not reported
Future use flag: Not reported
Cleanup required: Yes
Proprietary controls: Not reported
Gov. control: Not reported
Enforcement permit tools: Not reported
Info. devices: Not reported
Video available: Not reported
Photo available: Not reported
Usage type: Not reported
Not in state/tribal program: Not reported
IC data address: Not reported
IC in place date: Not reported
IC in place flag: Unknown
IC required flag: Not reported
NFA issue date: Not reported
State and tribal program date: Not reported
State and tribal program ID: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

41 SAGINAW STREET (Continued)

1006882488

Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Not reported
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
None found: Not reported
None cleaned up: Not reported
No media found: Not reported
No media cleaned up: Not reported
Other found: Not reported
Other cleaned up: Not reported
Other metals found: Not reported
Other metals cleaned: Not reported
PAHs found: Not reported
PAHs cleaned up: Not reported
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Not reported
Soil cleaned up: Not reported
Surface water affected: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
Unknown cleaned: Not reported
Unknown media: Not reported
Unknown media cleaned: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported

11
North
1/8-1/4
0.223 mi.
1179 ft.

VOORHEES SIPLE FUNERAL HOME
268 N PERRY ST
PONTIAC, MI 48342

LUST **U003320371**
UST **N/A**

Relative:
Higher

LUST:

Actual:
946 ft.

Facility ID: 00004658
Source: STATE OF MICHIGAN
Owner Name: Voorhees Siple Funeral Home
Owner Address: 268 N Perry St
Owner City,St,Zip: Pontiac, MI 48342-2346
Owner Contact: Not reported
Owner Phone: (248) 332-8378
Country: USA
District: SE Michigan District Office
Site Name: Voorhees Siple Funeral Home
Latitude: 42.6439260000
Longitude: -83.2903490000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VOORHEES SIPLE FUNERAL HOME (Continued)

U003320371

Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0400-00
Release Date: Apr 19 2000
Substance Released: Unknown
Release Status: Closed
Release Closed Date: Dec 20 2006

UST:

Facility ID: 00004658
Facility Type: CLOSED
Latitude: 42.6439260000
Longitude: -83.2903490000
Owner Name: Voorhees Siple Funeral Home
Owner Address: 268 N Perry St
Owner City,St,Zip: Pontiac, MI 48342-2346
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (248) 332-8378
Contact: TIMOTHY D SUMMERFORD
Contact Phone: (248) 332-8378
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Jan 1 1955
Product: Gasoline
Remove Date: Apr 19 2000
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

12
SSW
1/8-1/4
0.232 mi.
1223 ft.

**30 NORTH SAGINAW LLC
30 N SAGINAW ST
PONTIAC, MI 48342**

**RCRA-NonGen 1011862571
MIK298484437**

**Relative:
Higher**

RCRA-NonGen:
Date form received by agency: 09/30/2008
Facility name: 30 NORTH SAGINAW LLC
Facility address: 30 N SAGINAW ST
PONTIAC, MI 48342
EPA ID: MIK298484437
Contact: GREG THEODORAN

**Actual:
927 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

30 NORTH SAGINAW LLC (Continued)

1011862571

Contact address: 30 N SAGINAW ST
PONTIAC, MI 48342
Contact country: Not reported
Contact telephone: (248) 335-6803
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: 30 NORTH SAGINAW LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/01/1996
Owner/Op end date: Not reported

Owner/operator name: 30 NORTH SAGINAW LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1996
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

30 NORTH SAGINAW LLC (Continued)

1011862571

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 01/01/1980
Facility name: 30 NORTH SAGINAW LLC
Classification: Not a generator, verified

Violation Status: No violations found

**D13
SSE
1/8-1/4
0.239 mi.
1264 ft.**

**FORMER SEARS PROPERTY
100 PIKE ST E
PONTIAC, MI 48342
Site 1 of 4 in cluster D**

**US BROWNFIELDS 1011860180
N/A**

**Relative:
Higher**

US BROWNFIELDS:

**Actual:
925 ft.**

Recipient name: Oakland County
Project name: Oakland County, MI
Property name: Former Sears Property
Parcel #: Not reported
Parcel size: Not reported
Latitude: 42.636876
Longitude: -83.288425
Region: 5
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: Not reported
ACRES property ID: 14677
Start date: 6/30/2001
Completed date: 6/30/2001
Accomplishment type: Phase I Environmental Assessment
Accomplishment (acres): Not reported
Ownership entity: Not reported
Current use: commercial
Current owner: Not reported
Future use: Not reported
Past use flag: Not reported
Future use flag: Not reported
Cleanup required: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER SEARS PROPERTY (Continued)

1011860180

Proprietary controls:	Not reported
Gov. control:	Not reported
Enforcement permit tools:	Not reported
Info. devices:	Not reported
Video available:	Not reported
Photo available:	Not reported
Usage type:	Not reported
Not in state/tribal program:	Not reported
IC data address:	Not reported
IC in place date:	Not reported
IC in place flag:	Unknown
IC required flag:	Not reported
NFA issue date:	Not reported
State and tribal program date:	Not reported
State and tribal program ID:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
None found:	Not reported
None cleaned up:	Not reported
No media found:	Not reported
No media cleaned up:	Not reported
Other found:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water affected:	Not reported
Surface water cleaned:	Not reported
Unknown found:	Not reported
Unknown cleaned:	Not reported
Unknown media:	Not reported
Unknown media cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	EPA ID Number
D14	CLINTON RIVER	US BROWNFIELDS	1011860169
SSE	100 PIKE ST E		N/A
1/8-1/4	PONTIAC, MI 48342		
0.239 mi.			
1264 ft.	Site 2 of 4 in cluster D		

Relative:
Higher

US BROWNFIELDS:

Actual:
925 ft.

Recipient name:	Oakland County
Project name:	Oakland County, MI
Property name:	Clinton River
Parcel #:	Not reported
Parcel size:	Not reported
Latitude:	42.636876
Longitude:	-83.288425
Region:	5
HCM label:	Not reported
Map scale:	Not reported
Point of reference:	Not reported
Datum:	Not reported
ACRES property ID:	14686
Start date:	9/30/2004
Completed date:	9/30/2004
Accomplishment type:	Phase I Environmental Assessment
Accomplishment (acres):	Not reported
Ownership entity:	Not reported
Current use:	Not reported
Current owner:	Not reported
Future use:	Not reported
Past use flag:	Not reported
Future use flag:	Not reported
Cleanup required:	Not reported
Proprietary controls:	Not reported
Gov. control:	Not reported
Enforcement permit tools:	Not reported
Info. devices:	Not reported
Video available:	Not reported
Photo available:	Not reported
Usage type:	Not reported
Not in state/tribal program:	Not reported
IC data address:	Not reported
IC in place date:	Not reported
IC in place flag:	Unknown
IC required flag:	Not reported
NFA issue date:	Not reported
State and tribal program date:	Not reported
State and tribal program ID:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
None found:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CLINTON RIVER (Continued)

1011860169

None cleaned up:	Not reported
No media found:	Not reported
No media cleaned up:	Not reported
Other found:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water affected:	Not reported
Surface water cleaned:	Not reported
Unknown found:	Not reported
Unknwon cleaned:	Not reported
Unknown media:	Not reported
Unknown media cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported

D15
SSE
1/8-1/4
0.241 mi.
1273 ft.

POLICE DEPARTMENT
110 E PIKE ST
PONTIAC, MI 48342

Site 3 of 4 in cluster D

UST **U003325866**
N/A

Relative:
Higher

UST:

Facility ID:	00036420
Facility Type:	ACTIVE
Latitude:	42.6372600000
Longitude:	-83.2882770000
Owner Name:	City of Pontiac
Owner Address:	55 Wesson St
Owner City,St,Zip:	Pontiac, MI 48341-2266
Owner Country:	USA
Owner Contact:	Not reported
Owner Phone:	(248) 857-7746
Contact:	MICHAEL MILOSIC JR
Contact Phone:	(248) 857-7838
Date of Collection:	01-11-2001
Accuracy:	100
Accuracy Value Unit:	FEET
Horizontal Datum:	NAD83
Source:	STATE OF MICHIGAN
Point Line Area:	POINT
Desc Category:	Plant Entrance (Freight)
Method of Collection:	Address Matching-House Number

Actual:
932 ft.

Tank ID:	1
Tank Status:	Currently In Use
Capacity:	10000
Install Date:	Oct 1 1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POLICE DEPARTMENT (Continued)

U003325866

Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass reinforced plastic
Piping Type: Suction: No Valve At Tank
Constr Material: Composite(Steel w/Fiberglass)
Impressed Device: No

Tank ID: SA-01
Tank Status: NON-Registered Tank
Capacity: Not reported
Install Date: Not reported
Product: Not reported
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

D16
SSE
1/8-1/4
0.241 mi.
1273 ft.

CITY OF PONTIAC POLICE DEPARTMENT
110 E PIKE ST
PONTIAC, MI 48342
Site 4 of 4 in cluster D

FINDS 1001088471
RCRA-NonGen MIR000011577

Relative:
Higher

FINDS:

Actual:
932 ft.

Registry ID: 110003693557
Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

RCRA-NonGen:

Date form received by agency: 09/17/1998
Facility name: CITY OF PONTIAC POLICE DEPARTMENT
Facility address: 110 E PIKE ST
PONTIAC, MI 48342
EPA ID: MIR000011577
Contact: MICHAEL MILOSIC
Contact address: 110 E PIKE ST
PONTIAC, MI 48342
Contact country: Not reported
Contact telephone: (810) 857-7890
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF PONTIAC POLICE DEPARTMENT (Continued)

1001088471

Owner/Operator Summary:

Owner/operator name: PONTIAC POLICE DEPT
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: PONTIAC POLICE DEPT
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF PONTIAC POLICE DEPARTMENT (Continued)

1001088471

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 01/09/1996
Facility name: CITY OF PONTIAC POLICE DEPARTMENT
Classification: Not a generator, verified

Violation Status: No violations found

17
SSE
1/8-1/4
0.247 mi.
1302 ft.

CENTRAL SCHOOL
101 EAST PIKE STREET
PONTIAC, MI 48342

US BROWNFIELDS 1008376507
N/A

Relative:
Higher

US BROWNFIELDS:

Actual:
938 ft.

Recipient name: Oakland County
Project name: Oakland County, MI
Property name: Central School
Parcel #: Not reported
Parcel size: Not reported
Latitude: 42.637474
Longitude: -83.28841
Region: 5
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: Not reported
ACRES property ID: 14678
Start date: 9/30/2001
Completed date: 9/30/2001
Accomplishment type: Phase I Environmental Assessment
Accomplishment (acres): Not reported
Ownership entity: Not reported
Current use: Not reported
Current owner: Not reported
Future use: Not reported
Past use flag: Not reported
Future use flag: Not reported
Cleanup required: Yes
Proprietary controls: Not reported
Gov. control: Not reported
Enforcement permit tools: Not reported
Info. devices: Not reported
Video available: Not reported
Photo available: Not reported
Usage type: Not reported
Not in state/tribal program: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL SCHOOL (Continued)

1008376507

IC data address: Not reported
IC in place date: Not reported
IC in place flag: Unknown
IC required flag: Not reported
NFA issue date: Not reported
State and tribal program date: Not reported
State and tribal program ID: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Not reported
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
None found: Not reported
None cleaned up: Not reported
No media found: Not reported
No media cleaned up: Not reported
Other found: Not reported
Other cleaned up: Not reported
Other metals found: Not reported
Other metals cleaned: Not reported
PAHs found: Not reported
PAHs cleaned up: Not reported
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Not reported
Soil cleaned up: Not reported
Surface water affected: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
Unknown cleaned: Not reported
Unknown media: Not reported
Unknown media cleaned: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported

Recipient name: Oakland County
Project name: Oakland County, MI
Property name: Central School
Parcel #: Not reported
Parcel size: Not reported
Latitude: 42.637474
Longitude: -83.28841
Region: 5
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL SCHOOL (Continued)

1008376507

Datum:	Not reported
ACRES property ID:	14678
Start date:	6/30/2003
Completed date:	6/30/2003
Accomplishment type:	Cleanup Activity
Accomplishment (acres):	Not reported
Ownership entity:	Not reported
Current use:	Not reported
Current owner:	Not reported
Future use:	Not reported
Past use flag:	Not reported
Future use flag:	Not reported
Cleanup required:	Yes
Proprietary controls:	Not reported
Gov. control:	Not reported
Enforcement permit tools:	Not reported
Info. devices:	Not reported
Video available:	Not reported
Photo available:	Not reported
Usage type:	Not reported
Not in state/tribal program:	Not reported
IC data address:	Not reported
IC in place date:	Not reported
IC in place flag:	Unknown
IC required flag:	Not reported
NFA issue date:	Not reported
State and tribal program date:	Not reported
State and tribal program ID:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
None found:	Not reported
None cleaned up:	Not reported
No media found:	Not reported
No media cleaned up:	Not reported
Other found:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL SCHOOL (Continued)

1008376507

Soil cleaned up: Not reported
Surface water affected: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
Unknown cleaned: Not reported
Unknown media: Not reported
Unknown media cleaned: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported

18
ENE
1/4-1/2
0.275 mi.
1453 ft.

OAK HILL CEMETERY
216 UNIVERSITY DR
PONTIAC, MI 48342

LUST **U003321417**
UST **N/A**

Relative:
Higher

LUST:

Facility ID: 00008814
Source: STATE OF MICHIGAN
Owner Name: City of Pontiac
Owner Address: 47450 Woodward Ave
Owner City,St,Zip: Pontiac, MI 48342-2245
Owner Contact: Not reported
Owner Phone: (248) 857-7611
Country: USA
District: SE Michigan District Office
Site Name: Oak Hill Cemetery
Latitude: 42.6419820000
Longitude: -83.2851650000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0139-99
Release Date: Feb 23 1999
Substance Released: Unknown,Unknown
Release Status: Closed
Release Closed Date: Aug 6 1999

UST:

Facility ID: 00008814
Facility Type: CLOSED
Latitude: 42.6419820000
Longitude: -83.2851650000
Owner Name: City of Pontiac
Owner Address: 47450 Woodward Ave
Owner City,St,Zip: Pontiac, MI 48342-2245
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (248) 857-7611
Contact: FRANK OLES
Contact Phone: (248) 857-7665
Date of Collection: 01-11-2001
Accuracy: 100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OAK HILL CEMETERY (Continued)

U003321417

Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Jan 1 1987
Product: Gasoline
Remove Date: Feb 16 1999
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel,Secondary Containment
Piping Type: Pressure,Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

19
SW
1/4-1/2
0.287 mi.
1516 ft.

DT ASSETS, LLC
29 WEST LAWRENCE STREET
PONTIAC, MI 48342

BEA S106896544
N/A

Relative:
Lower

BEA:
Secondary Address: Not reported
BEA Number: 2766
District: Southeast MI
Date Received: 4/28/2005 12:59:00 AM
Submitter Name: DT Assets, LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mathewsb
Division Assigned: Environmental Response Division

Actual:
918 ft.

20
WSW
1/4-1/2
0.301 mi.
1587 ft.

CHARTER ONE BANK, F.S.B.
71-75 WEST HURON ROAD
PONTIAC, MI

BEA S104910223
N/A

Relative:
Higher

BEA:
Secondary Address: Not reported
BEA Number: 151
District: Southeast MI
Date Received: 8/13/1996
Submitter Name: KENNETH L. URWILLER II, ESQ.
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: taylorre

Actual:
922 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHARTER ONE BANK, F.S.B. (Continued)

S104910223

Division Assigned: Environmental Response Division

21
SW
1/4-1/2
0.330 mi.
1741 ft.

OIC OF OAKLAND COUNTY
62-64 W LAWRENCE
PONTIAC, MI 48341

LUST **U003426289**
UST **N/A**

Relative:
Lower

LUST:

Facility ID: 00039681
Source: STATE OF MICHIGAN
Owner Name: Oic Of Oakland County
Owner Address: 500 W HURON
Owner City,St,Zip: PONTIAC, MI 48341
Owner Contact: Not reported
Owner Phone: (248) 334-8840
Country: USA
District: SE Michigan District Office
Site Name: Oic Of Oakland County
Latitude: 42.6373440000
Longitude: -83.2945620000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0233-98
Release Date: Mar 26 1998
Substance Released: Unknown
Release Status: Closed
Release Closed Date: May 13 1998

UST:

Facility ID: 00039681
Facility Type: CLOSED
Latitude: 42.6373440000
Longitude: -83.2945620000
Owner Name: Oic Of Oakland County
Owner Address: 500 W HURON
Owner City,St,Zip: PONTIAC, MI 48341
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (248) 334-8840
Contact: DANIEL HARPER
Contact Phone: (248) 334-8840
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OIC OF OAKLAND COUNTY (Continued)

U003426289

Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Gasoline
Remove Date: Apr 8 1998
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Gasoline
Remove Date: Apr 8 1998
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 500
Install Date: Not reported
Product: Used Oil
Remove Date: Apr 8 1998
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Gasoline
Remove Date: Apr 8 1998
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OIC OF OAKLAND COUNTY (Continued)

U003426289

Capacity: 1000
Install Date: Not reported
Product: Gasoline
Remove Date: Apr 8 1998
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

E22
SSW
1/4-1/2
0.354 mi.
1871 ft.

MICHIGAN NATIONAL CORP
40 W PIKE ST
PONTIAC, MI 48342

Site 1 of 2 in cluster E

LUST **U003758821**
UST **N/A**
BEA

Relative:
Lower

LUST:
Facility ID: 00040343
Source: STATE OF MICHIGAN
Owner Name: Michigan Natl Corp
Owner Address: 27777 Inkster Rd
Owner City,St,Zip: Farmington Hills, MI 48334-5326
Owner Contact: Not reported
Owner Phone: (248) 473-3631
Country: USA
District: SE Michigan District Office
Site Name: Michigan National Corp
Latitude: 42.6363630000
Longitude: -83.2930670000
Date of Collection: 10-05-2004
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
916 ft.

Leak Number: C-0219-00
Release Date: Oct 13 1999
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

UST:
Facility ID: 00040343
Facility Type: CLOSED
Latitude: 42.6363630000
Longitude: -83.2930670000
Owner Name: Michigan Natl Corp
Owner Address: 27777 Inkster Rd
Owner City,St,Zip: Farmington Hills, MI 48334-5326
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (248) 473-3631
Contact: MICHAEL SMITH
Contact Phone: (810) 715-2525
Date of Collection: 10-05-2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN NATIONAL CORP (Continued)

U003758821

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Jan 1 1950
Product: Gasoline
Remove Date: Mar 7 2000
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Jan 1 1950
Product: Gasoline
Remove Date: Mar 7 2000
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

BEA:

Secondary Address: Not reported
BEA Number: 1028
District: Southeast MI
Date Received: 11/19/1999
Submitter Name: MICHIGAN NATIONAL CORPORATION
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: temppm
Division Assigned: Storage Tank Division

Secondary Address: Not reported
BEA Number: 1116
District: Southeast MI
Date Received: 4/6/2000
Submitter Name: MICHIGAN NATIONAL CORPORATION
Petition Determination: Denied
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Pending

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN NATIONAL CORP (Continued)

U003758821

Reviewer: temppm
Division Assigned: Storage Tank Division

E23
SSW
1/4-1/2
0.354 mi.
1871 ft.
40 WEST PIKE STREET, L.L.C.
40 WEST PIKE STREET
PONTIAC CITY, MI
Site 2 of 2 in cluster E

BEA **S104912608**
N/A

Relative: BEA:
Lower Secondary Address: Not reported
BEA Number: 1268
Actual: District: Southeast MI
916 ft. Date Received: 12/28/2000 12:59:00 AM
Submitter Name: 40 WEST PIKE STREET, L.L.C.
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: cokt
Division Assigned: Storage Tank Division

24
SW
1/4-1/2
0.363 mi.
1915 ft.
OAKLAND AUTO SUPPLY
50606 WOODWARD AVENUE
PONTIAC, MI 48342

FINDS **1000276976**
LUST **MID017317975**
UST
RCRA-NonGen

Relative: FINDS:
Lower Registry ID: 110008445209
Actual: Environmental Interest/Information System
916 ft. RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:
Facility ID: 00035270
Source: STATE OF MICHIGAN
Owner Name: Erna Seiss
Owner Address: 2370 HILLCREST DR
Owner City,St,Zip: BLOOMFIELD HILLS, MI 48302
Owner Contact: Not reported
Owner Phone: (734) 334-4025
Country: USA
District: SE Michigan District Office
Site Name: Oakland Automotive
Latitude: 42.6372220000
Longitude: -83.2954870000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OAKLAND AUTO SUPPLY (Continued)

1000276976

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0424-92
Release Date: Mar 17 1992
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: Nov 13 1995

UST:

Facility ID: 00035270
Facility Type: CLOSED
Latitude: 42.6372220000
Longitude: -83.2954870000
Owner Name: Erna Seiss
Owner Address: 2370 HILLCREST DR
Owner City,St,Zip: BLOOMFIELD HILLS, MI 48302
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 334-4025
Contact: HOWARD SEISS
Contact Phone: (734) 334-4025
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 2000
Install Date: Jan 1 1920
Product: Gasoline
Remove Date: Apr 8 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: **Removed from Ground**
Capacity: 2000
Install Date: Jan 1 1920
Product: Gasoline
Remove Date: Apr 8 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OAKLAND AUTO SUPPLY (Continued)

1000276976

Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 2000
Install Date: Jan 1 1920
Product: Gasoline
Remove Date: Apr 8 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 2000
Install Date: Jan 1 1920
Product: Gasoline
Remove Date: Apr 8 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

RCRA-NonGen:

Date form received by agency: 12/31/2001
Facility name: OAKLAND AUTO SUPPLY
Facility address: 50606 WOODWARD AVENUE
PONTIAC, MI 48342
EPA ID: MID017317975
Contact: WILLIAM GRAHAM
Contact address: 50606 WOODWARD AVENUE
PONTIAC, MI 48342
Contact country: Not reported
Contact telephone: (248) 334-2320
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OAKLAND AUTO SUPPLY (Continued)

1000276976

Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2002
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OAKLAND AUTO SUPPLY (Continued)

1000276976

Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 03/05/1990
Facility name: OAKLAND AUTO SUPPLY
Classification: Not a generator, verified

Violation Status: No violations found

25
SSE
1/4-1/2
0.370 mi.
1955 ft.

PHOENIX PLACE APARTMENTS
47251 WOODWARD AVENUE
PONTIAC, MI 48342

BEA S108414548
N/A

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 3510
District: Southeast MI
Date Received: 3/28/2007 12:59:00 AM
Submitter Name: Phoenix Place 2006 Limited.....
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Same Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: tiernang
Division Assigned: Environmental Response Division

Actual:
930 ft.

26
East
1/4-1/2
0.411 mi.
2168 ft.

GORDON AUTOMOTIVE
200 N PADDOCK
PONTIAC, MI 48342

LUST U002302629
UST N/A

Relative:
Lower

LUST:

Facility ID: 00035482
Source: STATE OF MICHIGAN
Owner Name: Gordon Automotive
Owner Address: 200 N PADDOCK AVE
Owner City,St,Zip: PONTIAC, MI 48342
Owner Contact: Not reported
Owner Phone: (248) 858-8868
Country: USA
District: SE Michigan District Office
Site Name: Gordon Automotive
Latitude: 42.6427400000
Longitude: -83.2832350000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1473-85

Actual:
897 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GORDON AUTOMOTIVE (Continued)

U002302629

Release Date: Sep 9 1992
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Mar 1 1996

Leak Number: C-1561-92
Release Date: Sep 9 1992
Substance Released: Gasoline,Diesel
Release Status: Closed
Release Closed Date: Mar 1 1996

UST:

Facility ID: 00035482
Facility Type: CLOSED
Latitude: 42.6427400000
Longitude: -83.2832350000
Owner Name: Gordon Automotive
Owner Address: 200 N PADDOCK AVE
Owner City,St,Zip: PONTIAC, MI 48342
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (248) 858-8868
Contact: GORDON BROOKINS
Contact Phone: (248) 858-8868
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 1000
Install Date: Not reported
Product: Diesel
Remove Date: Sep 11 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 1000
Install Date: Not reported
Product: Diesel
Remove Date: Sep 11 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GORDON AUTOMOTIVE (Continued)

U002302629

Impressed Device: No

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 6000
Install Date: Not reported
Product: Gasoline
Remove Date: Sep 11 1992
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 4
Tank Status: **Removed from Ground**
Capacity: 550
Install Date: Not reported
Product: Used Oil
Remove Date: Sep 11 1992
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

27
SW
1/4-1/2
0.415 mi.
2191 ft.

SALVATION ARMY ADULT REHABILITAT
117 W LAWRENCE ST., PO BOX 173
PONTIAC, MI 48341

LUST **U003320114**
UST **N/A**

Relative:
Lower

LUST:
Facility ID: 00003795
Source: STATE OF MICHIGAN
Owner Name: Salvation Army Adult Rehabilitat
Owner Address: 118 W Lawrence St
Owner City,St,Zip: Pontiac, MI 48341-1725
Owner Contact: Not reported
Owner Phone: (313) 338-9601
Country: USA
District: SE Michigan District Office
Site Name: Salvation Army Adult Rehabilitat
Latitude: 42.6367180000
Longitude: -83.2964240000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-2796-90

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SALVATION ARMY ADULT REHABILITAT (Continued)

U003320114

Release Date: Dec 28 1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Apr 17 1991

UST:

Facility ID: 00003795
Facility Type: CLOSED
Latitude: 42.6367180000
Longitude: -83.2964240000
Owner Name: Salvation Army Adult Rehabilitat
Owner Address: 118 W Lawrence St
Owner City,St,Zip: Pontiac, MI 48341-1725
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 338-9601
Contact: CHARLES F. LIEURANCE
Contact Phone: (313) 338-9601
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 2000
Install Date: Apr 25 1978
Product: Gasoline
Remove Date: May 16 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 500
Install Date: Apr 25 1978
Product: Gasoline
Remove Date: May 16 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

28
West
1/4-1/2
0.454 mi.
2395 ft.

C. LANE MALLY, L.L.C.
109 NORTH CASS AVENUE
PONTIAC, MI

BEA S104911953
N/A

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 720
District: Southeast MI
Date Received: 9/23/1998
Submitter Name: C. LANE MALLY
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Same Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: temppm
Division Assigned: Environmental Response Division

Actual:
926 ft.

29
WSW
1/4-1/2
0.460 mi.
2427 ft.

FORMER FORTERS AUTO WASH
149 W HURON ST
PONTIAC, MI 99999

LUST S102726422
N/A

Relative:
Higher

LUST:

Facility ID: 50002093
Source: STATE OF MICHIGAN
Owner Name: Nrt Owner
Owner Address: Unknown
Owner City,St,Zip: Unknown, MI 99999
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: SE Michigan District Office
Site Name: Former Forters Auto Wash
Latitude: 42.6376590000
Longitude: -83.2981820000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
937 ft.

Leak Number: C-0698-97
Release Date: Aug 13 1997
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F30
SSW
1/4-1/2
0.468 mi.
2470 ft.
CITY OF PONTIAC/PARCEL 63
87 ORCHARD LAKE ROAD
PONTIAC, MI
Site 1 of 2 in cluster F

BEA **S104910569**
N/A

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 223
District: Southeast MI
Date Received: 11/26/1996
Submitter Name: K. JOSEPH YOUNG
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: temppm
Division Assigned: Environmental Response Division

Actual:
927 ft.

F31
SSW
1/4-1/2
0.469 mi.
2477 ft.
PARCEL 62
93 ORCHARD LAKE RD
PONTIAC, MI 48341
Site 2 of 2 in cluster F

LUST **U003426191**
UST **N/A**

Relative:
Higher

LUST:

Facility ID: 00039305
Source: STATE OF MICHIGAN
Owner Name: City of Pontiac
Owner Address: 55 Wesson St
Owner City,St,Zip: Pontiac, MI 48341-2266
Owner Contact: Not reported
Owner Phone: (248) 857-7746
Country: USA
District: SE Michigan District Office
Site Name: City Of Pontiac
Latitude: 42.6344430000
Longitude: -83.2943210000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
926 ft.

Leak Number: C-0231-97
Release Date: Apr 14 1997
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00039305
Facility Type: CLOSED
Latitude: 42.6344430000
Longitude: -83.2943210000
Owner Name: City of Pontiac
Owner Address: 55 Wesson St
Owner City,St,Zip: Pontiac, MI 48341-2266

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARCEL 62 (Continued)

U003426191

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (248) 857-7746
Contact: JOSEPH YOUNG
Contact Phone: (248) 887-7720
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 550
Install Date: Not reported
Product: UNK
Remove Date: Apr 14 1997
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 550
Install Date: Not reported
Product: UNK
Remove Date: Apr 14 1997
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

G32
West
1/4-1/2
0.488 mi.
2579 ft.

PONTIAC PUBLIC SCHOOL ACADEMY
140 NORTH CASS
PONTIAC, MI

BEA S105254630
N/A

Site 1 of 2 in cluster G

Relative:
Higher

BEA:
Secondary Address: Not reported
BEA Number: 1597
District: Southeast MI
Date Received: 1/4/2002 12:59:00 AM
Submitter Name: PONTIAC PUBLIC SCHOOL ACADEMY
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mathewsb

Actual:
925 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PONTIAC PUBLIC SCHOOL ACADEMY (Continued)

S105254630

Division Assigned: Environmental Response Division

G33
West
1/4-1/2
0.488 mi.
2579 ft.

BAYPON ACADEMY LEASING LLC
140 NORTH CASS
PONTIAC, MI

BEA **S105095080**
N/A

Site 2 of 2 in cluster G

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 1489
District: Southeast MI
Date Received: 9/11/2001 12:59:00 AM
Submitter Name: BAYPON ACADEMY LEASING LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: labrecqd
Division Assigned: Environmental Response Division

Actual:
925 ft.

34
South
1/4-1/2
0.497 mi.
2625 ft.

GM TRUCK & BUS EAST
31 E JUDSON ST
PONTIAC, MI 48342

LUST **S102726265**
N/A

Relative:
Higher

LUST:

Facility ID: 50001534
Source: STATE OF MICHIGAN
Owner Name: Nrt Owner
Owner Address: Unknown
Owner City,St,Zip: Unknown, MI 99999
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: SE Michigan District Office
Site Name: GM Truck & Bus - East
Latitude: 42.6335000000
Longitude: -83.2883770000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0677-85
Release Date: Nov 18 1988
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Sep 18 1995

Actual:
935 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H35
South
1/2-1
0.624 mi.
3293 ft.

CITY GAS WORKS
55 WESSEN STREET
PONTIAC, MI 48341

Manufactured Gas Plants

1008408145
N/A

Relative:
Higher

Manufactured Gas Plants:

Alternate Name: MRS. L.R. MEDBURY PONTIAC GAS WORKS; PONTIAC LIGHT CO GAS WORKS;
MICHIGAN LIGHT CO; CONSUMERS POWER CO.

Actual:
932 ft.

H36
South
1/2-1
0.624 mi.
3293 ft.

CITY OF PONTIAC
55 WESSEN STREET
PONTIAC, MI 48341

SHWS
NPDES

S107793863
N/A

Site 2 of 2 in cluster H

Relative:
Higher

SHWS:

Facility ID: 63001017
Facility Status: Interim Response in progress
Source: Gas Production & Distribution
SAM Score: 32 out of 40
SAM Score Date: 2/12/2004
Township: Not reported
Range: Not reported
Section: Not reported
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Not reported

Actual:
932 ft.

MI NPDES:

Permit Number: MIG610023
Permittee PO Box: N
Permittee Email: Not reported
Issue Date: 12/16/2003
Effective Date: 12/16/2003
Expiration Date: 4/1/2008
Permittee Name: City of Pontiac
Permittee Address: 55 Wessen Street
Permittee Addr2: Not reported
Permittee City, St, Zip: Pontiac, MI 48341
Permit Type: COC
Facility Name 2: Not reported
Facility Name 3: Not reported
Facility Name 4: Not reported
Designed Name: Pontiac MS4-Oakland
Latitude: Not reported
Lat Direction: Not reported
Lat Type Code: Not reported
Longitude: Not reported
Lon Direction: Not reported
Lon Type Code: Not reported
Hydrologic Unit Code: 4090003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

37
SW
1/2-1
0.969 mi.
5116 ft.

AMERICAN FORGE AND SOCKET
150-160 BRANCH
PONTIAC, MI

SHWS S108959528
N/A

Relative:
Higher

SHWS:

Facility ID: 63005228
Facility Status: No status assigned
Source: Fabricated Metal Products
SAM Score: 22 out o
SAM Score Date: 8/16/2004
Township: Not reported
Range: Not reported
Section: Not reported
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Not reported

Actual:
929 ft.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PONTIAC	S109171488	SOUTH SAGINAW STREET PARCELS	193 / 197 SOUTH SAGINAW STREET	48342	BEA
PONTIAC	S105254629	LAWRENCE TECHNOLOGICAL UNIVERSITY	7.77 ACRE PROPERTY, WEST SIDE		BEA
PONTIAC	S104912442	RAILROAD RIGHT-OF-WAY (FORMER)	BET. OAKLAND AVENUE /		BEA
PONTIAC	1003834459	GM TRUCK AND BUS PONTIAC CENTRAL	660 S. BLVD. E	48341	SHWS
PONTIAC	1011489485	CITY OF PONTIAC	CORNER FRANKLIN/WOODWARD	48342	RCRA-CESQG
PONTIAC	S104912294	MICHIGAN CAT RENTAL SERVICES	SW CORNER OF WIDE TRACK DRIVE		BEA
PONTIAC	90189346	EMBASSY 9 W., BETWEEN UNIVERSITY E	EMBASSY 9 W., BETWEEN UNIVERSI		ERNS
PONTIAC	1007266554	1824 W. LAWRENCE	1824 W. LAWRENCE	48341	US BROWNFIELDS
PONTIAC	S104912087	HARRIS LAKE PARK DEVELOPMENT	MONTCALM STREET WEST OF SAGINA		BEA
PONTIAC	U003320864	EDWARD LEE	631 OAKLAND	48342	LUST, UST
PONTIAC	U003426361	UNDER CAR CARE	644 OAKLAND	48342	LUST, UST
PONTIAC	S103285248	ORCHARD LAKE ROAD	494 ORCHARD LK RD	48341	LUST
PONTIAC	S102851904	EXPANSION FUNDS INC	447 S SAGINAW	48341	LUST
PONTIAC	U000262918	PONTIAC WEST ASSEMBLY	600 S SAGINAW ST	48341	LUST, UST
PONTIAC	U001148635	SUN VALLEY PROPERTIES INC	675 S SAGINAW ST	48341	LUST, UST
PONTIAC	S107135831	WIDETRACK AT WESSON STREET, VACANT	WIDE TRACK AT WESSON STREET		BROWNFIELDS
PONTIAC	S105144543	ASPHALT SPECIALIST INC	1908 WIDE TRACK DRIVE	48342	SHWS, DEL SHWS
PONTIAC	U003160717	ASANTES PROPERTIES LLC	590 WIDE TRACK DRIVE EAST	48342	LUST, UST
PONTIAC	S107135830	WIDETRACK DRIVE AND N. SAGINAW, NE	WIDETRACK DRIVE AND N. SAGINAW		BROWNFIELDS
PONTIAC	S107135866	SUN VALLEY PROPERTIES	45108 WOODWARD AVENUE (FORMERL	48341	BROWNFIELDS
PONTIAC	U001147877	WOODWARD OFFICE PLAZA	800 WOODWARD AVE	48341	LUST, UST
PONTIAC	U001147975	SPEEDY MUFFLER KING	810 WOODWARD AVE	48341	LUST, UST

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.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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: 06/29/2009	Source: EPA
Date Data Arrived at EDR: 07/31/2009	Telephone: N/A
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 10/14/2009
Number of Days to Update: 52	Next Scheduled EDR Contact: 01/25/2010
	Data Release Frequency: Quarterly

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 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/29/2009	Source: EPA
Date Data Arrived at EDR: 07/31/2009	Telephone: N/A
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 10/14/2009
Number of Days to Update: 52	Next Scheduled EDR Contact: 01/25/2010
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by 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 received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/17/2009
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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: 06/29/2009	Source: EPA
Date Data Arrived at EDR: 07/31/2009	Telephone: N/A
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 10/14/2009
Number of Days to Update: 52	Next Scheduled EDR Contact: 01/25/2010
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

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: 06/30/2009	Source: EPA
Date Data Arrived at EDR: 08/11/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 09/30/2009
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/11/2010
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009	Source: EPA
Date Data Arrived at EDR: 09/02/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 09/09/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 12/14/2009
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/30/2009	Source: EPA
Date Data Arrived at EDR: 07/01/2009	Telephone: 800-424-9346
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 08/31/2009
Number of Days to Update: 82	Next Scheduled EDR Contact: 11/30/2009
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/31/2009
Date Data Arrived at EDR: 04/22/2009
Date Made Active in Reports: 05/05/2009
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/31/2009
Date Data Arrived at EDR: 04/22/2009
Date Made Active in Reports: 05/05/2009
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 05/15/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 62

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/06/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Contaminated Sites

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: 08/11/2009
Date Data Arrived at EDR: 08/18/2009
Date Made Active in Reports: 08/26/2009
Number of Days to Update: 8

Source: Department of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 08/18/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facilities Database

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: 07/21/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 07/24/2009
Number of Days to Update: 3

Source: Department of Environmental Quality
Telephone: 517-335-4035
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites

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: 09/01/2009
Date Data Arrived at EDR: 09/04/2009
Date Made Active in Reports: 10/05/2009
Number of Days to Update: 31

Source: Department of Environmental Quality
Telephone: 517-373-9837
Last EDR Contact: 09/04/2009
Next Scheduled EDR Contact: 12/07/2009
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 06/01/2009	Source: EPA Region 8
Date Data Arrived at EDR: 06/03/2009	Telephone: 303-312-6271
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 08/17/2009
Number of Days to Update: 14	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/24/2009	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2009	Telephone: 913-551-7003
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 08/21/2009
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 08/24/2009	Source: EPA Region 6
Date Data Arrived at EDR: 08/26/2009	Telephone: 214-665-6597
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 08/17/2009
Number of Days to Update: 26	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009	Source: EPA Region 1
Date Data Arrived at EDR: 02/19/2009	Telephone: 617-918-1313
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 08/17/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/08/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/09/2009	Telephone: 415-972-3372
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 08/17/2009
Number of Days to Update: 104	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/20/2009	Source: EPA Region 10
Date Data Arrived at EDR: 08/21/2009	Telephone: 206-553-2857
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 08/17/2009
Number of Days to Update: 31	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/24/2009	Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2009	Telephone: 404-562-8677
Date Made Active in Reports: 05/05/2009	Last EDR Contact: 08/17/2009
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal registered storage tank lists

UST: Underground Storage Tank Facility List

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: 09/01/2009
Date Data Arrived at EDR: 09/04/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 27

Source: Department of Environmental Quality
Telephone: 517-335-4035
Last EDR Contact: 09/04/2009
Next Scheduled EDR Contact: 12/07/2009
Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 09/15/2009
Date Data Arrived at EDR: 09/22/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 9

Source: Department of Environmental Quality
Telephone: 517-373-8168
Last EDR Contact: 09/08/2009
Next Scheduled EDR Contact: 12/07/2009
Data Release Frequency: No Update Planned

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 09/08/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 27

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 08/24/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 26

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Semi-Annually

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/24/2009
Date Data Arrived at EDR: 03/03/2009
Date Made Active in Reports: 05/05/2009
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/20/2009	Source: EPA Region 10
Date Data Arrived at EDR: 08/21/2009	Telephone: 206-553-2857
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 08/17/2009
Number of Days to Update: 31	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008	Source: EPA Region 7
Date Data Arrived at EDR: 12/30/2008	Telephone: 913-551-7003
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 08/21/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 06/01/2009	Source: EPA Region 8
Date Data Arrived at EDR: 06/03/2009	Telephone: 303-312-6137
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 08/17/2009
Number of Days to Update: 14	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 06/04/2009	Source: EPA Region 9
Date Data Arrived at EDR: 06/04/2009	Telephone: 415-972-3368
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 08/17/2009
Number of Days to Update: 109	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 04/22/2008	Telephone: 617-918-1102
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 10/05/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/18/2010
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

State and tribal Brownfields sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 09/21/2009
Date Data Arrived at EDR: 09/21/2009
Date Made Active in Reports: 10/05/2009
Number of Days to Update: 14

Source: Department of Environmental Quality
Telephone: 517-373-4805
Last EDR Contact: 09/14/2009
Next Scheduled EDR Contact: 11/30/2009
Data Release Frequency: Varies

BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 05/01/2007
Number of Days to Update: 21

Source: Economic Development Corporation
Telephone: 888-522-0103
Last EDR Contact: 09/15/2009
Next Scheduled EDR Contact: 12/21/2009
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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 Brownfields Cleanup Revolving Loan Fund (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: 10/01/2008
Date Data Arrived at EDR: 11/14/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/11/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 09/23/2009
Next Scheduled EDR Contact: 12/21/2009
Data Release Frequency: Varies

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Department of Environmental Quality
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/26/2009
Next Scheduled EDR Contact: 11/23/2009
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/01/2009
Date Data Arrived at EDR: 06/22/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 91

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/26/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: Quarterly

DEL SHWS: Delisted List of Contaminated Sites

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support its listing or the site no longer meets criteria specified in rules.

Date of Government Version: 08/20/2009
Date Data Arrived at EDR: 08/21/2009
Date Made Active in Reports: 08/26/2009
Number of Days to Update: 5

Source: Department of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 11/21/2008
Number of Days to Update: 3

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 08/31/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 08/18/2009
Date Data Arrived at EDR: 08/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 09/08/2009
Next Scheduled EDR Contact: 12/07/2009
Data Release Frequency: Varies

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC * 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 07/13/2009
Date Data Arrived at EDR: 08/17/2009
Date Made Active in Reports: 08/26/2009
Number of Days to Update: 9

Source: Department of Environmental Quality
Telephone: 517-373-9837
Last EDR Contact: 08/11/2009
Next Scheduled EDR Contact: 11/10/2008
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 07/16/2009
Date Data Arrived at EDR: 07/16/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 67

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PEAS: Pollution Emergency Alerting System

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: 09/21/2009
Date Data Arrived at EDR: 09/22/2009
Date Made Active in Reports: 10/05/2009
Number of Days to Update: 13

Source: Department of Environmental Quality
Telephone: 517-373-8427
Last EDR Contact: 09/22/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008
Date Data Arrived at EDR: 05/28/2008
Date Made Active in Reports: 08/08/2008
Number of Days to Update: 72

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/27/2009
Next Scheduled EDR Contact: 11/23/2009
Data Release Frequency: Varies

DOD: Department of Defense Sites

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: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 05/08/2009
Next Scheduled EDR Contact: 08/03/2009
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

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: 12/31/2007
Date Data Arrived at EDR: 09/05/2008
Date Made Active in Reports: 09/23/2008
Number of Days to Update: 18

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/30/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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: 04/24/2009
Date Data Arrived at EDR: 05/19/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 125

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/06/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

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: 04/23/2009
Date Data Arrived at EDR: 04/28/2009
Date Made Active in Reports: 05/19/2009
Number of Days to Update: 21

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/22/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

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.

Date of Government Version: 01/05/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 05/08/2009
Number of Days to Update: 1

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/14/2009
Next Scheduled EDR Contact: 12/14/2009
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/28/2009
Date Data Arrived at EDR: 06/23/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 90

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/21/2009
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

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: 12/31/2007
Date Data Arrived at EDR: 04/09/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 69

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/14/2009
Next Scheduled EDR Contact: 12/14/2009
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

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: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 09/10/2009
Next Scheduled EDR Contact: 12/14/2009
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 09/10/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/14/2009
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

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: 12/31/2007	Source: EPA
Date Data Arrived at EDR: 05/19/2009	Telephone: 202-564-4203
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 09/29/2009
Number of Days to Update: 125	Next Scheduled EDR Contact: 01/11/2010
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 03/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/20/2009	Telephone: 202-564-5088
Date Made Active in Reports: 05/05/2009	Last EDR Contact: 09/28/2009
Number of Days to Update: 46	Next Scheduled EDR Contact: 01/11/2010
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

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: 05/27/2009	Source: EPA
Date Data Arrived at EDR: 08/05/2009	Telephone: 202-566-0500
Date Made Active in Reports: 09/29/2009	Last EDR Contact: 08/05/2009
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/02/2009
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

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: 07/06/2009	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/13/2009	Telephone: 301-415-7169
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 09/21/2009
Number of Days to Update: 70	Next Scheduled EDR Contact: 12/28/2009
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/28/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/28/2009	Telephone: 202-343-9775
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/28/2009
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/26/2009
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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: 07/23/2009	Source: EPA
Date Data Arrived at EDR: 07/28/2009	Telephone: (312) 353-2000
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 09/18/2009
Number of Days to Update: 55	Next Scheduled EDR Contact: 12/28/2009
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 05/22/2009
Number of Days to Update: 92

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/09/2009
Next Scheduled EDR Contact: 12/07/2009
Data Release Frequency: Biennially

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 09/10/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/05/2009
Number of Days to Update: 25

Source: Department of Environmental Quality
Telephone: 517-241-1515
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 02/18/2009
Date Data Arrived at EDR: 03/17/2009
Date Made Active in Reports: 04/01/2009
Number of Days to Update: 15

Source: Department of Environmental Quality
Telephone: 517-335-4586
Last EDR Contact: 08/10/2009
Next Scheduled EDR Contact: 11/09/2009
Data Release Frequency: Varies

NPDES: List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 07/28/2009
Date Data Arrived at EDR: 07/28/2009
Date Made Active in Reports: 08/18/2009
Number of Days to Update: 21

Source: Department of Environmental Quality
Telephone: 517-241-1300
Last EDR Contact: 10/14/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

Date of Government Version: 05/22/2007
Date Data Arrived at EDR: 10/19/2007
Date Made Active in Reports: 11/05/2007
Number of Days to Update: 17

Source: Department of Environmental Quality
Telephone: 517-373-7074
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Varies

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

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

Date of Government Version: 09/14/2009
Date Data Arrived at EDR: 09/14/2009
Date Made Active in Reports: 10/05/2009
Number of Days to Update: 21

Source: DEPT. OF ENVIRONMENTAL QUALITY
Telephone: 517-373-9541
Last EDR Contact: 09/08/2009
Next Scheduled EDR Contact: 12/07/2009
Data Release Frequency: Semi-Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 05/08/2009
Next Scheduled EDR Contact: 08/03/2009
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 06/29/2009
Date Data Arrived at EDR: 06/29/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 09/08/2009
Next Scheduled EDR Contact: 11/09/2009
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/21/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 05/08/2009
Next Scheduled EDR Contact: 08/03/2009
Data Release Frequency: N/A

COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 07/07/2009
Date Data Arrived at EDR: 08/04/2009
Date Made Active in Reports: 08/18/2009
Number of Days to Update: 14

Source: Department of Environmental Quality
Telephone: 586-753-3754
Last EDR Contact: 10/13/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

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.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 09/09/2009
Next Scheduled EDR Contact: 12/07/2009
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 05/05/2009
Date Made Active in Reports: 05/22/2009
Number of Days to Update: 17

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 08/04/2009
Next Scheduled EDR Contact: 11/02/2009
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/28/2009
Date Data Arrived at EDR: 08/27/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 25

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/27/2009
Next Scheduled EDR Contact: 11/23/2009
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 09/11/2008
Date Made Active in Reports: 10/02/2008
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 09/08/2009
Next Scheduled EDR Contact: 12/07/2009
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 06/01/2009
Date Data Arrived at EDR: 06/12/2009
Date Made Active in Reports: 06/29/2009
Number of Days to Update: 17

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 09/14/2009
Next Scheduled EDR Contact: 12/14/2009
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 07/17/2009
Date Made Active in Reports: 08/10/2009
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/24/2009
Next Scheduled EDR Contact: 01/04/2010
Data Release Frequency: Annually

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

65 UNIVERSITY DRIVE
65 UNIVERSITY DRIVE
PONTIAC, MI 48342

TARGET PROPERTY COORDINATES

Latitude (North):	42.64060 - 42° 38' 26.2"
Longitude (West):	83.2902 - 83° 17' 24.7"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	312235.8
UTM Y (Meters):	4723233.5
Elevation:	919 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42083-F3 PONTIAC NORTH, MI
Most Recent Revision:	1997

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.

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.

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).

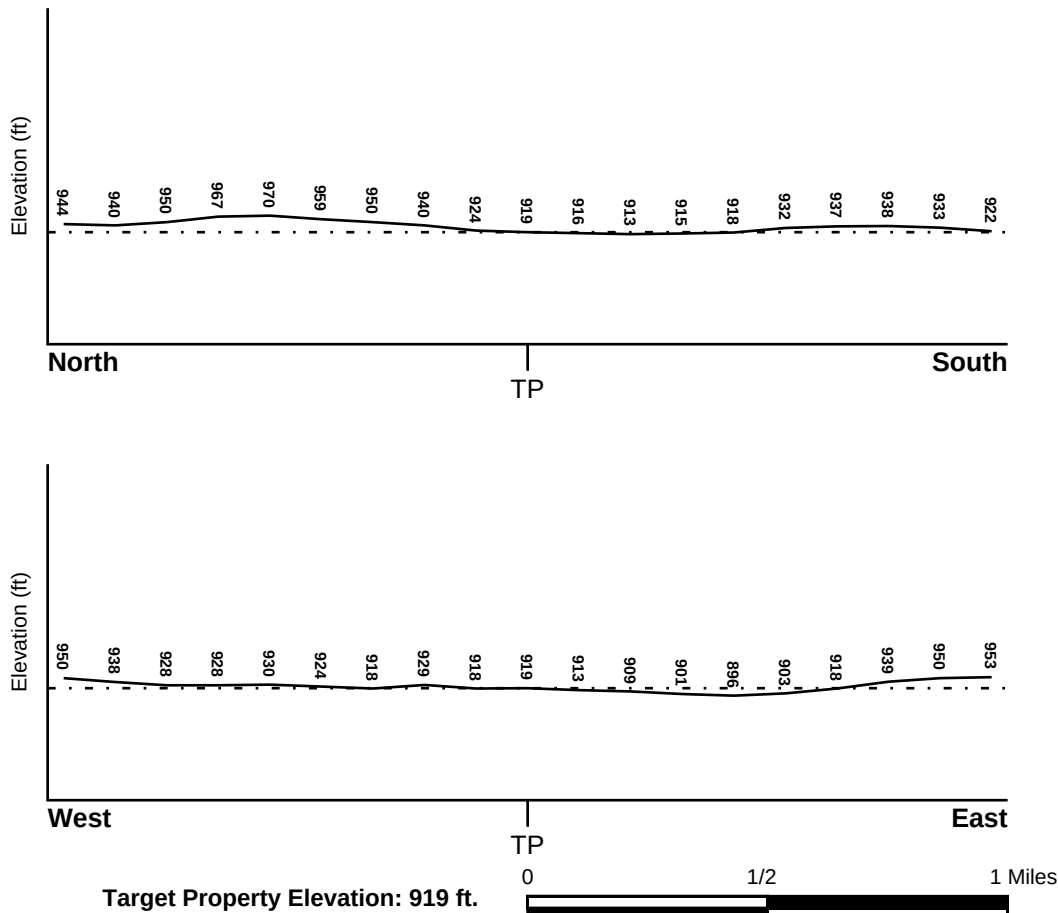
TOPOGRAPHIC INFORMATION

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

General Topographic Gradient: General SE

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

<u>Target Property County</u>	<u>FEMA Flood</u>
OAKLAND, MI	<u>Electronic Data</u>
	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 2601770010B

Additional Panels in search area: 2601770005B

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic</u>
PONTIAC NORTH	<u>Data Coverage</u>
	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.

<u>MAP ID</u>	<u>LOCATION</u>	<u>GENERAL DIRECTION</u>
	<u>FROM TP</u>	<u>GROUNDWATER FLOW</u>
1	0 - 1/8 Mile ESE	SSW
14	1/2 - 1 Mile SSE	Not Reported
15	1/2 - 1 Mile NNW	SW

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

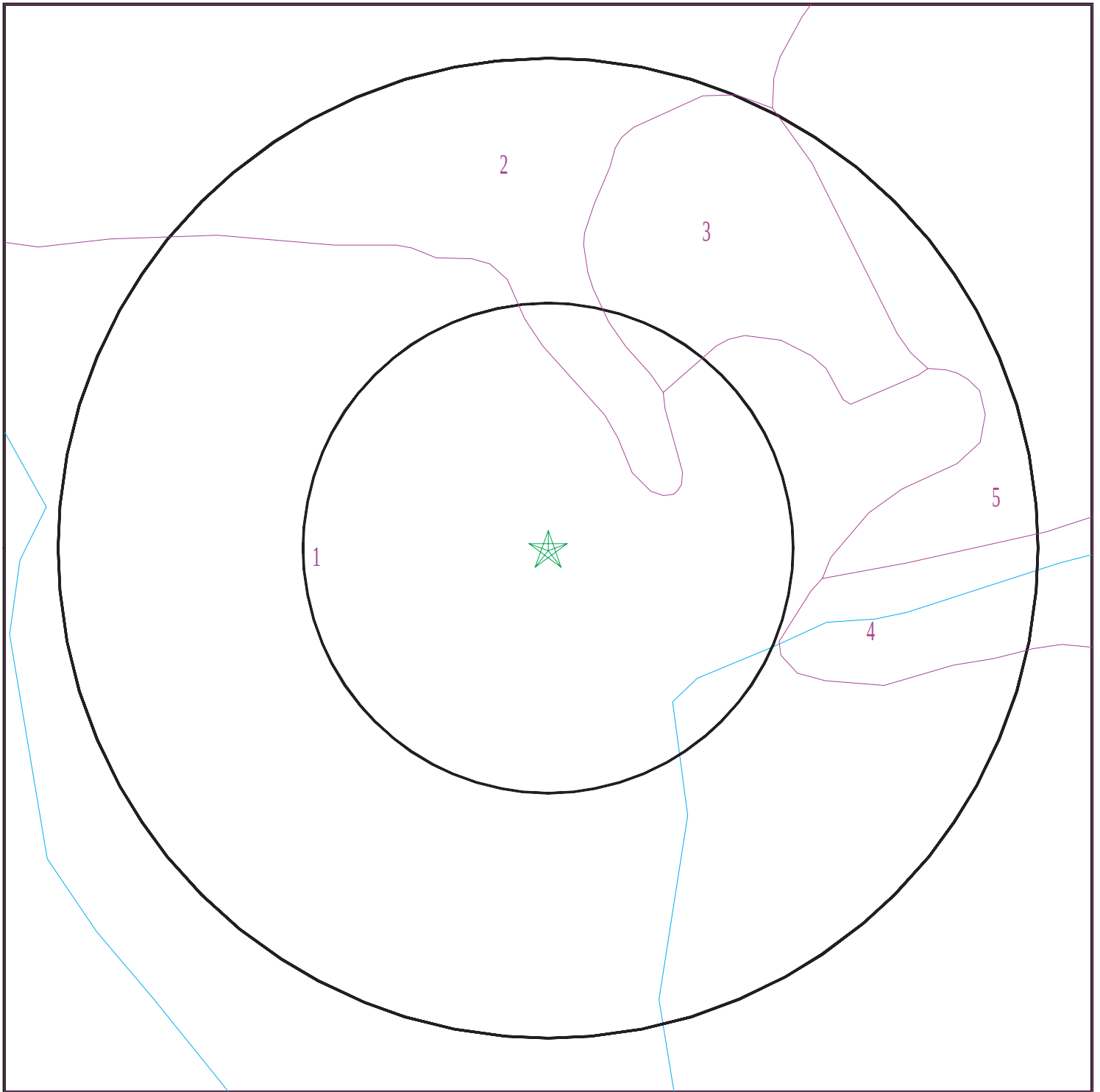
Era:	Paleozoic
System:	Mississippian
Series:	Osagean and Kinderhookian Series
Code:	M1 (<i>decoded above as Era, System & Series</i>)

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).

SSURGO SOIL MAP - 2614840.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: 65 University Drive
ADDRESS: 65 University Drive
Pontiac MI 48342
LAT/LONG: 42.6406 / 83.2902

CLIENT: LFR Inc.
CONTACT: Dan Petzold
INQUIRY #: 2614840.2s
DATE: October 15, 2009 2:10 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 130 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: Aquents

Soil Surface Texture: variable

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	59 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 5

Soil Component Name: Arkport

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 5.6
2	9 inches	44 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 5.6
3	44 inches	59 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 5.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	USGS2308742	0 - 1/8 Mile South
A5	USGS2308740	1/8 - 1/4 Mile South
6	USGS2308734	1/4 - 1/2 Mile South
7	USGS2308743	1/4 - 1/2 Mile ESE
8	USGS2308744	1/4 - 1/2 Mile East
B9	USGS2308749	1/2 - 1 Mile WNW
B10	USGS2308748	1/2 - 1 Mile WNW
11	USGS2308761	1/2 - 1 Mile North
12	USGS2308730	1/2 - 1 Mile SSW
13	USGS2308728	1/2 - 1 Mile SSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

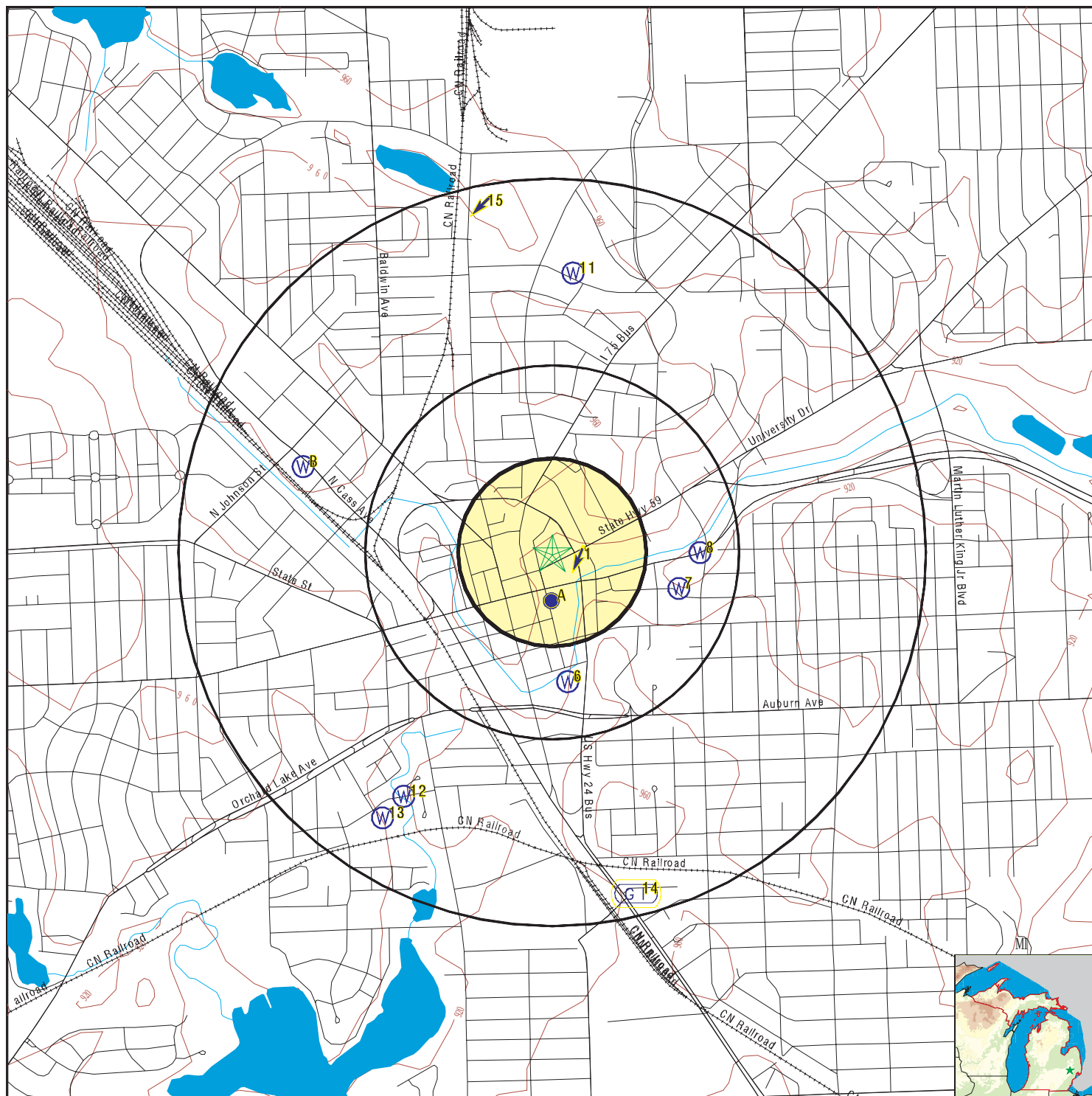
MAP ID	WELL ID	LOCATION FROM TP
A3	MI2010663	0 - 1/8 Mile SSW

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 - 2614840.2s



- 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

0 1/4 1/2 1 Miles



SITE NAME: 65 University Drive
 ADDRESS: 65 University Drive
 Pontiac MI 48342
 LAT/LONG: 42.6406 / 83.2902

CLIENT: LFR Inc.
 CONTACT: Dan Petzold
 INQUIRY #: 2614840.2s
 DATE: October 15, 2009 2:10 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
ESE
0 - 1/8 Mile
Lower

Site ID: 630241
Groundwater Flow: SSW
Shallowest Water Table Depth: Not Reported
Deepest Water Table Depth: Not Reported
Average Water Table Depth: 2
Date: 08/19/1996

AQUIFLOW 36139

A2
South
0 - 1/8 Mile
Lower

FED USGS USGS2308742

Agency cd:	USGS	Site no:	423820083172401
Site name:	03N 10E 29DADA 01	EDR Site id:	USGS2308742
Latitude:	423820	Dec lat:	42.63892157
Longitude:	0831724	Coor meth:	M
Dec lon:	-83.28993572	Latlong datum:	NAD27
Coor accr:	F	District:	26
Dec latlong datum:	NAD83	County:	125
State:	26	Land net:	S29T03NR10EM
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	910		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton. Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19260101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	197	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1929-01-01
Water quality data end date:	1952-01-04	Water quality data count:	2
Ground water data begin date:	1926-02-01	Ground water data end date:	1926-02-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1926-02-01	32.00	

A3
SSW
0 - 1/8 Mile
Higher

FRDS PWS MI2010663

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS ID: MI2010663
 Date Initiated: 7706 Date Deactivated: Not Reported
 PWS Name: PONTIAC LAKE RECREATION AREA
 7800 GALE ROAD
 PONTIAC, MI 48053

Addressee / Facility: System Owner/Responsible Party
 DALE GIRDLER
 4045 IVERNESS LANE
 ORCHARD LAKE, MI 48033

Facility Latitude: 42 38 20 Facility Longitude: 083 17 27
 City Served: WHITE LAKE
 Treatment Class: Untreated Population: 00000250

Violations information not reported.

A5 South 1/8 - 1/4 Mile Lower

FED USGS USGS2308740

Agency cd:	USGS	Site no:	423818083172501
Site name:	03N 10E 29DADD 01	EDR Site id:	USGS2308740
Latitude:	423818	Dec lat:	42.63836602
Longitude:	0831725	Coor meth:	M
Dec lon:	-83.29021348	Latlong datum:	NAD27
Coor accr:	F	District:	26
Dec latlong datum:	NAD83	County:	125
State:	26	Land net:	S29T03NR10EM
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	915		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton. Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19290101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	205	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1952-05-19
Water quality data end date:	1952-05-19	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

6

South
1/4 - 1/2 Mile
Lower

FED USGS USGS2308734

Agency cd:	USGS	Site no:	423808083172201
Site name:	03N 10E 29DDDA 01		
Latitude:	423808	EDR Site id:	USGS2308734
Longitude:	0831722	Dec lat:	42.6355883
Dec lon:	-83.28938003	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	125
Country:	US	Land net:	S29T03NR10EM
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	915		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton. Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19290101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	195	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1941-07-03
Water quality data end date:	1952-07-11	Water quality data count:	2
Ground water data begin date:	1929-06-01	Ground water data end date:	1929-06-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1929-06-01	44.00	

7

ESE
1/4 - 1/2 Mile
Lower

FED USGS USGS2308743

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	423821083170101
Site name:	03N 10E 28CACB 01		
Latitude:	423821	EDR Site id:	USGS2308743
Longitude:	0831701	Dec lat:	42.6391994
Dec lon:	-83.2835467	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	125
Country:	US	Land net:	S28T03NR10EM
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	900		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton. Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19260101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	178	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1926-06-17
Water quality data end date:	1956-01-17	Water quality data count:	5
Ground water data begin date:	1926-01-01	Ground water data end date:	1926-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1926-01-01	20.00	

8

East
1/4 - 1/2 Mile
Lower

FED USGS USGS2308744

Agency cd:	USGS	Site no:	423826083165701
Site name:	03N 10E 28CABA 01		
Latitude:	423826	EDR Site id:	USGS2308744
Longitude:	0831657	Dec lat:	42.64058827
Dec lon:	-83.28243561	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	125
Country:	US	Land net:	S28T03NR10EM
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	890		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton. Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19260101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	195	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1929-01-01
Water quality data end date:	1952-07-11	Water quality data count:	2
Ground water data begin date:	1926-10-01	Ground water data end date:	1926-10-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1926-10-01	30.00	

B9
WNW
1/2 - 1 Mile
Higher

FED USGS USGS2308749

Agency cd:	USGS	Site no:	423838083181202
Site name:	03N 10E 29BCAB 02		
Latitude:	423838	EDR Site id:	USGS2308749
Longitude:	0831812	Dec lat:	42.64392138
Dec lon:	-83.30326951	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	125
Country:	US	Land net:	S29T03NR10EM
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	935		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton. Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19320101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	145	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1945-02-23
Water quality data end date:	1953-03-17	Water quality data count:	2
Ground water data begin date:	1950-05-01	Ground water data end date:	1950-05-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1950-05-01	51.00	

B10
WNW
1/2 - 1 Mile
Higher

FED USGS USGS2308748

Agency cd:	USGS	Site no:	423838083181201
Site name:	03N 10E 29BCAB 01		
Latitude:	423838	EDR Site id:	USGS2308748
Longitude:	0831812	Dec lat:	42.64392138
Dec lon:	-83.30326951	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	125
Country:	US	Land net:	S29T03NR10EM
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	935		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton. Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19400101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	148	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1960-06-06
Water quality data end date:	1960-06-06	Water quality data count:	1
Ground water data begin date:	1940-01-01	Ground water data end date:	1940-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1940-01-01	60.00	

11
North
1/2 - 1 Mile
Higher

FED USGS USGS2308761

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	423905083172101
Site name:	03N 10E 21CCBB 01		
Latitude:	423905	EDR Site id:	USGS2308761
Longitude:	0831721	Dec lat:	42.65142138
Dec lon:	-83.2891028	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	125
Country:	US	Land net:	S21T03NR10EM
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	945		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton. Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19220101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	289	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1929-01-01
Water quality data end date:	1929-01-01	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

12
SSW
1/2 - 1 Mile
Lower

FED USGS USGS2308730

Agency cd:	USGS	Site no:	423752083175302
Site name:	03N 10E 32ABCC 02		
Latitude:	423752	EDR Site id:	USGS2308730
Longitude:	0831753	Dec lat:	42.63114385
Dec lon:	-83.29799118	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	125
Country:	US	Land net:	S32T03NR10EM
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	920		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton. Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19470101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	200	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1950-10-19
Water quality data end date:	1950-10-19	Water quality data count:	1
Ground water data begin date:	1948-04-01	Ground water data end date:	1948-04-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1948-04-01	86.00	

13
SSW
1/2 - 1 Mile
Higher

FED USGS USGS2308728

Agency cd:	USGS	Site no:	423749083175702
Site name:	03N 10E 32BADD 02		
Latitude:	423749	EDR Site id:	USGS2308728
Longitude:	0831757	Dec lat:	42.63031052
Dec lon:	-83.29910229	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	125
Country:	US	Land net:	S32T03NR10EM
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	925		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton. Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19230101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	191	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1929-01-01
Water quality data end date:	1941-07-03	Water quality data count:	3
Ground water data begin date:	1923-03-01	Ground water data end date:	1923-03-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1923-03-01	40.00	

**14
SSE
1/2 - 1 Mile
Higher**

Site ID:	635150
Groundwater Flow:	Not Reported
Shallowest Water Table Depth:	6.36
Deepest Water Table Depth:	10.28
Average Water Table Depth:	Not Reported
Date:	11/21/1994

AQUIFLOW 35290

**15
NNW
1/2 - 1 Mile
Higher**

Site ID:	635108
Groundwater Flow:	SW
Shallowest Water Table Depth:	Not Reported
Deepest Water Table Depth:	Not Reported
Average Water Table Depth:	Not Reported
Date:	06/22/1994

AQUIFLOW 35792

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 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

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 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

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.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

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.

STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

OTHER STATE DATABASE INFORMATION

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 IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

STREET AND ADDRESS INFORMATION

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APPENDIX D

Photograph Log



Photograph #1

Description of Photograph:

View across the Site looking north.

Site Location:

65 University Drive
Pontiac, Michigan

Photograph Taken By:

Stephen P. Zins

Date of Photograph:

October 19, 2009



Photograph #2

Description of Photograph:

View across the Site looking west.

Site Location:

65 University Drive
Pontiac, Michigan

Photograph Taken By:

Stephen P. Zins

Date of Photograph:

October 19, 2009



Photograph #3

Description of Photograph:

View across the Site looking South.

Site Location:

65 University Drive
Pontiac, Michigan

Photograph Taken By:

Stephen P. Zins

Date of Photograph:

October 19, 2009



Photograph #4

Description of Photograph:

View of west side of Site property.

Site Location:

65 University Drive
Pontiac, Michigan

Photograph Taken By:

Stephen P. Zins

Date of Photograph:

October 19, 2009



Photograph #5

Description of Photograph:

View of depression in parking area located north of the Site building.

Site Location:

65 University Drive
Pontiac, Michigan

Photograph Taken By:

Stephen P. Zins

Date of Photograph:

October 19, 2009



Photograph #6

Description of Photograph:

View of steel sheeting located north of the Site building.

Site Location:

65 University Drive
Pontiac, Michigan

Photograph Taken By:

Stephen P. Zins

Date of Photograph:

October 19, 2009



Photograph #7

Description of Photograph:

View of former gasoline dispenser pad and trench drain located on the northeast side of the Site building.

Site Location:

65 University Drive
Pontiac, Michigan

Photograph Taken By:

Stephen P. Zins

Date of Photograph:

October 19, 2009



Photograph #8

Description of Photograph:

View of floor drain in garage area of the Site building.

Site Location:

65 University Drive
Pontiac, Michigan

Photograph Taken By:

Stephen P. Zins

Date of Photograph:

October 19, 2009



Photograph #9

Description of Photograph:

View of various containers located in the garage area of the Site building.

Site Location:

65 University Drive
Pontiac, Michigan

Photograph Taken By:

Stephen P. Zins

Date of Photograph:

October 19, 2009



Photograph #10

Description of Photograph:

View of Freon cylinders and propane tank inside a Side building office.

Site Location:

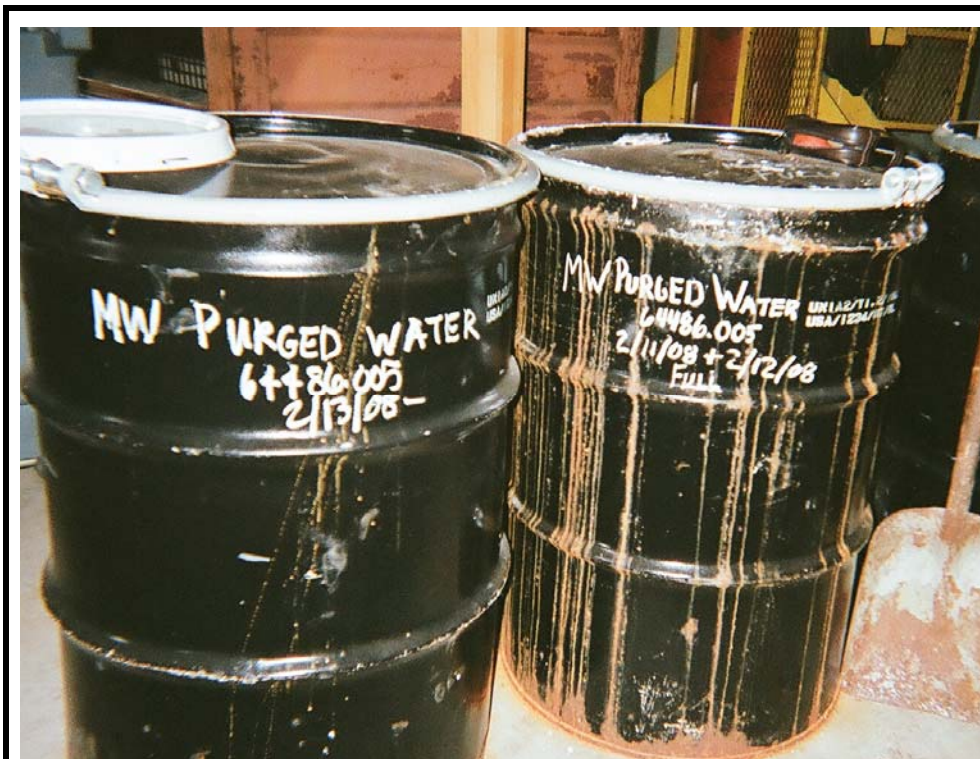
65 University Drive
Pontiac, Michigan

Photograph Taken By:

Stephen P. Zins

Date of Photograph:

October 19, 2009



Photograph #11

Description of Photograph:

View of drums in the warehouse/garage area.

Site Location:

65 University Drive
Pontiac, Michigan

Photograph Taken By:

Stephen P. Zins

Date of Photograph:

October 19, 2009



Photograph #12

Description of Photograph:

View of drum with hazardous waste label located in the warehouse/garage area.

Site Location:

65 University Drive
Pontiac, Michigan

Photograph Taken By:

Stephen P. Zins

Date of Photograph:

October 19, 2009

APPENDIX E

Qualifications of Environmental Professionals

DOUGLAS M. LINDSAY, P.G.
Senior Project Geologist

*hydrogeologic investigations
project management
LSP MCP services
soil and groundwater management*

Mr. Lindsay has over 12 years of experience involving subsurface and hydrogeologic investigations, contaminated soil and groundwater management, state and federal regulatory compliance, environmental remediation programs, and American Society for Testing and Materials (ASTM) due diligence. Related projects have included the management of extensive state and federal environmental investigations, subsurface soil and groundwater precharacterization programs, asbestos assessments, lead paint screening, radon sampling, and soil, groundwater, and ambient air field screening. Mr. Lindsay has also conducted groundwater elevation surveys, fate and transport modeling, groundwater and surface water sampling, soil sampling, and soil gas sampling.

Mr. Lindsay has supervised and managed numerous projects simultaneously including operation and maintenance (O&M) of groundwater remediation systems, construction project management, contaminated soil and groundwater management, soil vapor extraction systems, dewatering systems, risk assessments, underground storage tank removals, and Massachusetts Contingency Plan (MCP) regulatory reports. Mr. Lindsay is also involved with researching and evaluating environmental liabilities and determining the cost/benefit analysis associated with applicable remedial measures. Mr. Lindsay manages field staff personnel on the completion of multiple projects.

EDUCATION

B.A. Environmental Science, Boston University, 1995

The School for Field Studies, Rainforest Ecology, Belize, Central America

REPRESENTATIVE EXPERIENCE

- **Subsurface Investigation, Soil Management and Regulatory Closure, Worcester, Massachusetts.** LFR was retained by a private developer for the proposed construction of a retail pharmacy on a property formerly occupied by a truck fueling terminal and lumber yard. Mr. Lindsay oversaw the completion of an ASTM Phase I Environmental Site Assessment and Phase II Subsurface Investigation to investigate potential impacts from former gasoline and diesel fuel aboveground and underground storage tanks. A total of 35 soil borings and 6 monitoring wells were completed to evaluate the nature and extent of soil and groundwater contamination. Based on the results of the sampling data, Mr. Lindsay coordinated the removal of 50 cubic yards of petroleum-contaminated soil for off-site recycling. Results of a site-specific risk characterization concluded that a condition of no significant risk existed. Mr.

Lindsay prepared a Class A-2 Response Action Outcome (RAO) in closure report accordance with the MCP.

- **Construction Management, Soil Disposal Coordination and Tank Removal Activities, Kuss Middle School, Fall River, Massachusetts.** LFR was retained by an earthwork contractor to provide construction management activities and soil disposal coordination during excavation activities associated with the construction of a new middle school building. The property was formerly occupied by textile mill buildings and previous soil sampling results identified contaminated urban fill material which required off-site disposal. During soil excavation activities a 1,000-gallon abandoned underground storage tank was discovered. Mr. Lindsay supervised the removal of the tank, arranged for disposal of the tank and associated soil, and prepared a tank closure report in accordance with tank closure guidance and the Massachusetts Contingency Plan. Mr. Lindsay characterized and coordinated the removal of 1,570 tons of urban fill soils to a Massachusetts Unlined Landfill and a soil recycling facility.
- **MCP and US EPA TSCA Site Closure, Hingham Shipyard – East Side Fill Area, Hingham, Massachusetts.** At the request of a private developer, LFR was retained to delineate and remove PCB-contaminated soil from an area proposed for future residential development. Following the submittal of a US EPA-approved Self-Implementing Plan and a MassDEP-approved Release Abatement Measure (RAM) Plan, Mr. Lindsay oversaw a soil precharacterization program designed to select off-site disposal facilities for the PCB soil. Confirmatory soil samples were collected from test pits at 10-foot sampling frequencies to delineate areas of PCBs containing either greater than or less than 50 mg/kg. Discrete soil samples were collected and analyzed for PCBs in the field with a US EPA-conditionally accepted Dexsil L2000 DX screening instrument. In addition, two overburden and two bedrock groundwater monitoring wells were installed and sampled to assess groundwater conditions. Following the removal of 6,910.13 tons of greater than 50 mg/kg PCB soils and 8,240.47 tons of non-hazardous PCB soil, a site-specific risk assessment concluded that remaining PCB concentrations in soil were below the most-stringent residential cleanup criteria. Mr. Lindsay prepared a Completion of Self-Implementing Plan report and a RAM Completion and Class A-2 RAO report.
- **Precharacterization Program, Readville 5 MBTA Yard, Dedham, Massachusetts.** LFR was retained by a developer interested in constructing residential properties on a former 40-acre rail yard. Mr. Lindsay assisted in the development of a soil precharacterization sampling plan in accordance with MassDEP protocol. Mr. Lindsay supervised a total of 250 test pits in GPS-surveyed locations over a two-week period. As part of the management plan, 900 soil samples were field screened in-situ for RCRA 5 metals with an XRF instrument. The depth of fill material was determined at each location and concentrations of arsenic and lead were presented through 3-D visualization software to the client. Construction management and soil remediation alternatives have been presented at public meetings and will be implemented following public and MassDEP comment.
- **Precharacterization Program, JFK School, Waltham, Massachusetts.** Prior to overseeing field activities, Mr. Lindsay prepared a Soil Management Plan, Construction Materials Management Plan, and a worker Health & Safety Plan for construction activities. Following numerous meetings with the client, Mr. Lindsay identified and selected areas to be sampled as part of a large-scale soil characterization program involved with the redevelopment of the JFK Middle School. A total of 25 test pits were excavated in areas proposed for excavation for foundations and subsurface utilities. Soil quantities were calculated and determined to be

either regulated or unregulated materials. In order to meet stringent project deadlines, facility approvals were expedited and materials transported off-site were managed and documented. A total of 4,500 cubic yards of soil was transported to unlined landfills.

- **Underground Storage Tank Closures and Immediate Response Action, Charlestown, Massachusetts.** Prior assessments performed by LFR had identified the potential for historic USTs at a former rubber manufacturing facility. Since the facility was proposed for residential development, Mr. Lindsay supervised the completion of a supplemental subsurface investigation. Following the identification of two 'benzol' USTs through a GPR survey, a closure strategy was implemented to meet client and MassDEP expedited deadlines. Following MassDEP approvals, an immediate response action was undertaken in response to petroleum contamination in the vicinity of the USTs. Mr. Lindsay oversaw the removal and disposal of the USTs and contaminated soil and groundwater in accordance with the MCP. Mr. Lindsay prepared a response action outcome closure report for site closure in accordance with the MCP.
- **Precharacterization Programs, Logan International Airport, East Boston, Massachusetts.** Mr. Lindsay oversaw four separate soil and groundwater precharacterization programs associated with the redevelopment of the Terminal A area. Activities included supervising the advancement of 80 soil borings and test pits, the installation of monitoring wells, and the collection of 200 soil and groundwater samples. Laboratory analysis results were utilized to characterize the soils and select the most appropriate, cost-effective disposal facilities for the soils. Mr. Lindsay was also responsible for managing field staff and prepared comprehensive reports documenting the findings of the investigations. A total of 270,000 tons of soil was characterized, removed, and transported to 23 Massport and MassDEP-approved facilities. Detailed coordination with the client, subcontractors, and state officials was necessary to complete the project in an organized and timely manner. Additional responsibilities included spill management, health and safety oversight, air sampling, and the operation of temporary groundwater treatment systems for isolated jet-A fuel-impacted areas.
- **Soil Disposal Management/Subcontractor Coordination, Former Mystic Station Power Generating Facility, Everett, Massachusetts.** A total of 60,000 tons of No. 6 oil-contaminated soil and 30,000 tons of urban fill material was excavated and removed from the facility throughout the project's demolition phase. Activities included coordination with seven asphalt batching facilities, two landfills, and several transportation companies. Mr. Lindsay also assisted in the pre-characterization of excavated soil to determine proper off-site disposal alternatives. Continuous management of soil volumes and contractor invoices was necessary to expedite the soil removal process and reduce delays to the project.
- **Tidal Study, Former Mystic Station Power Generating Facility, Everett, Massachusetts.** Mr. Lindsay completed a study involving the effect of tidal fluctuation on groundwater elevation in the vicinity of a large soil excavation and two one-million-gallon bulk fuel oil tanks. The tidal data and its effect on groundwater elevation were used to assess the stability of the supporting matrix beneath the bulk oil tanks. The data assisted in the determination of the type of engineering needed to protect the structural integrity of the fuel oil tanks during planned soil excavation located adjacent to the tanks. By including the tidal fluctuation data, excavation in the immediate vicinity of the tanks was conducted without jeopardizing the tanks or causing delays to the project.

- **Multiphase Investigation, Stoughton, Massachusetts.** In order to bring the property into compliance with the MassDEP, Mr. Lindsay completed an MCP Phase I and Tier Classification to address eight areas of concern. Each area of concern was associated with a release of petroleum compounds and lead from the former use of the Site as an asphalt batching facility. Existing soil and groundwater analysis data, soil removal quantities, and previous RAM Plans completed by others were used to delineate the existing areas of contamination and propose remedial alternatives. The primary sources of subsurface impacts were attributed to asphalt fill material, liquid asphalt tanks, buried drums, and a dry well. The property was classified as a Tier II disposal site and response actions were completed under a new RAM Plan which included oxygenate injections, petroleum-contaminated soil removal, and natural attenuation monitoring. A partial RAO closure report was prepared for seven of the eight areas of concern and natural attenuation monitoring of one area is ongoing.
- **PCB Release Abatement, Former Edgar Station, Weymouth, Massachusetts.** Mr. Lindsay delineated the extent and distribution of high concentrations of PCBs impacted soil and groundwater beneath several former transformers at the facility. In accordance with US EPA TSCA regulations, activities included on-site, quantitative PCB field screening of soil, groundwater, and surface wipe samples, supervision of soil excavation, and management of soil transportation to select soil disposal facilities. Several thousand tons of PCB-impacted soil was removed, risk to on-site workers was eliminated, and future project demolition milestones were completed on schedule.
- **Multiphase Investigation and Remedial Operation Status, Sharon, Massachusetts.** Mr. Lindsay conducted a Phase I and a Phase II Comprehensive Site Assessment at a former manufacturing facility. Activities included the calculation of groundwater flow and determining the extent and distribution of chlorinated solvents in groundwater. Mr. Lindsay assisted in source area location, fate and transport – mass flux calculations, and risk assessment. As part of a Phase III study, remedial alternatives were proposed to comply with stringent drinking water standards applicable to the property. Because natural attenuation and monitoring were determined to be the most cost-effective alternatives, a Phase IV Remedy Implementation Plan and Phase V Remedial Operation Status were prepared and submitted to the MassDEP. Semi-annual groundwater monitoring and status reports are generated for client and MassDEP review.
- **Multiphase Investigation, Stoughton, Massachusetts.** Mr. Lindsay completed a Phase I Site Assessment at a former trucking facility. Activities included the review of prior U.S. Environmental Protection Agency (U.S. EPA) CERCLA investigations, identification of an underground storage tank, and completion of a Tier Classification for the property. A Phase II Comprehensive Site Assessment completed by Mr. Lindsay included the installation of several soil borings and monitoring wells and removal of an underground storage tank and impacted soil in order to delineate subsurface impacts. A Method 3 risk characterization was completed utilizing all existing site data and an RAO closure report was completed.
- **RAOs and Activity and Use Limitations (AULs), Cambridge, Massachusetts.** Several subsurface investigations designed to delineate the extent of urban fill material were supervised by Mr. Lindsay on six parcels of industrial land in Cambridge. At each parcel, site-specific risk characterizations followed by the preparation of separate Activity and Use Limitations restrictive of current and future site uses were completed in order to effectively ‘close’ the parcels under the MCP.

- **Phase I and Phase II Environmental Investigations, Mesa, Arizona.** Mr. Lindsay completed Phase I and Phase II environmental investigations at a dry cleaning facility and oversaw several Geoprobe borings. Based on soil sampling results, a risk characterization was conducted in order to bring the property into compliance with State of Arizona regulations.
- **Corrective Action Plan and Underground Storage Tank Removal, Alexandria, Virginia.** Mr. Lindsay monitored and maintained a groundwater petroleum extraction system for two years at an active trucking facility. After supervising the dismantling of the groundwater extraction system, over 900 tons of petroleum-contaminated soil was removed and the property was closed in accordance with Virginia regulations.

REGISTRATIONS/CERTIFICATIONS

Professional Geologist, New Hampshire, No. 590

Massachusetts Asbestos Inspector Training

Hazardous Materials Transportation Training and Testing – US DOT

OSHA HazWOPER and Emergency Response Training – 40-hour and Annual 8-hour Refreshers

Niton X-Ray Fluorescent Analyzer (XRF) Certified

PROFESSIONAL HISTORY

LFR, Inc., Senior Project Geologist, April 1999 to present

Ransom Environmental Consultants, Inc., Project Geologist, July 1995 to April 1999

STEPHEN P. MCCARTHY

Senior Associate Scientist

*asbestos management
industrial hygiene
environmental investigations
environmental site assessments*

As Director of Site Assessments at LFR Inc. (LFR) Braintree, Massachusetts office, Mr. McCarthy is responsible for the technical supervision of all personnel performing Phase I Environmental Site Assessments (ESAs). His responsibilities include technical oversight, logistics, scheduling and cost control, interface with clients and regulatory agencies, quality control of environmental assessments conducted within the branch and conducting Phase I ESAs throughout the United States.

With over 20 years of experience in the environmental consulting field, Mr. McCarthy has provided his technical expertise on a wide-range of projects for property owners, financial institutions, school departments, governmental agencies and hospitals. Mr. McCarthy has conducted environmental assessments on commercial/retail, residential and industrial properties in accordance with the American Society for Testing and Materials (ASTM) standard practice for Environmental Site Assessments E 1527 and client specific scopes of work. In addition, Mr. McCarthy has conducted asbestos identification surveys, prepared Operations and Maintenance programs, developed asbestos abatement technical specifications, monitored removal of asbestos-containing materials, performed indoor air quality investigations, managed the removal of underground petroleum storage tanks and prepared Spill Prevention, Control and Countermeasure (SPCC) plans.

EDUCATION

B.A. History, Providence College, 1986

REPRESENTATIVE EXPERIENCE

- **Various Properties (Client Confidential), Nationwide.** As Project Manager, Mr. McCarthy was responsible for the overall project management of multi-site/multi-state environmental assessment projects. These projects ranged in size from a single site up to 36 different sites located across the United States. Mr. McCarthy was responsible for project scheduling, cost control, technical oversight and review of all final reports prior to issuance to ensure they complied with ASTM standards and client specific requirements.
- **NationsBank, Dallas, TX.** As Project Manager, Mr. McCarthy was responsible for the overall project management of the performance of 50 Phase I ESAs of bank buildings located throughout the State of Texas within a six-week time frame. The ESAs consisted of inspections of current site operations and a reconnaissance of abutting/adjacent properties, historical research and review of federal, state and local regulatory records.
- **NationsBank, Corsicana, TX.** Performed a Phase I ESAs on three tracts of land in downtown Corsicana, TX. Project involved a detailed historical research on former uses of the tracts of

land revealed numerous suspect underground storage tank (UST) locations. Designed and coordinated performance of a geophysical survey on the three tracts of land to identify the likely presence of USTs to aid in the preparation of the scope of work for a Phase II subsurface investigation. The geophysical survey consisted of the use of a combination of electromagnetic induction (EM31) and ground magnetics. Based upon the findings of the geophysical survey, prepared a scope of work and cost estimates for the performance of the subsurface investigation.

- **NCNB Texas National Bank, Dallas, TX.** Provided asbestos identification surveys on 110 buildings containing over 8 million square feet of space located throughout the state of Texas. Responsibilities consisted of design of the survey strategy, on-site inspection and collection of bulk material samples, assessment of asbestos-containing materials, interpretation of data and preparation of final reports. Project included preparation of recommendations for further action at each facility, if warranted, and associated cost estimates.
- **First Republic Bank, Dallas, TX.** Managed a \$2 million dollar asbestos abatement project at an occupied high rise office building. Responsibilities included project design, specification preparation, conducting pre-bid conferences, collection and analysis of air samples, daily inspections of abatement contractor's work practices and consultation with owner's representative on all aspects of the abatement project.
- **First Republic Bank, Dallas, TX.** Performed an asbestos-containing material survey of the 50-story, 1.8 million square foot, First Republic Bank complex in Dallas, Texas. Responsibilities consisted of design of the survey strategy, overall management of the five person survey team, on-site inspection and collection of bulk material samples, assessment of asbestos-containing materials, interpretation of data and preparation of a final report.
- **NationsBank, Dallas, TX.** Coordinated the emergency removal of four underground storage tanks, which were uncovered during construction of a highly publicized branch bank facility. Successfully coordinated with state regulatory officials and a tank removal contractor for the removal of the USTs within 48 hours of detection so as to not impede bank construction. Performed project oversight which included preparation of a health and safety plan, collection of appropriate soil samples from the tank excavation, interpretation of analytical data and preparation of the tank closure report for submission to state regulatory officials.
- **Spill Prevention Control and Countermeasures (SPCC) Plans, NYNEX, various locations throughout New England.** Performed facility inspections and prepared SPCC plans in compliance with regulations of the Environmental Protection Agency (EPA) for various NYNEX facilities located throughout New England.

SEMINARS/COURSES

Hazardous Waste Operations (OSHA 40-hour)

Asbestos Inspector Refresher Course

Asbestos Management Planner Refresher Course

Asbestos Contractors/Supervisor Course

Inspecting Buildings for Asbestos-Containing Materials, Environmental Sciences Inc.,

Managing Asbestos in Buildings, Environmental Sciences Inc.,

Microscopical Identification of Asbestos, Microne Research Institute

Sampling & Evaluating Airborne Asbestos Dust (582), NIOSH

Transport and Fate of Contaminants in the Subsurface, U.S. Environmental Protection Agency
(U.S. EPA)

REGISTRATIONS/CERTIFICATIONS

Asbestos Management Planner, Certificate No. 9915171368104

Asbestos Inspector, Certificate No. 9915051068104

PROFESSIONAL HISTORY

LFR Inc., Senior Associate Scientist, 1995 to present

Recon Environmental, Operations Manager, Dallas, TX, 1988 to 1995

Recon Environmental, Project Manager, 1986 to 1988

STEPHEN P. ZINS, P.G.
Senior Geologist

*soil and groundwater assessment and remediation
asbestos management planning
environmental site assessments
project management*

Mr. Zins is a geologist with over 14 years of experience in the environmental field. He has managed soil and groundwater investigations including construction, installation, and operation and maintenance of soil and groundwater remediation systems, as well as industrial wastewater treatment operations. His experience also includes asbestos management planning for industrial and commercial facilities throughout Midwest states. In addition, Mr. Zins has conducted Environmental Site and Compliance Assessments for property transfer and due diligence purposes.

EDUCATION

M.S. Environmental Geology, Indiana/Purdue University, 1995

B.S. Geology, Ball State University, 1993

A.S. CADD, Vincennes University, 1988

REPRESENTATIVE EXPERIENCE

- **Project Manager for a remediation program associated with chlorinated solvent impacts at a former waste disposal facility in central Indiana.** The program entails operation, maintenance and monitoring (OM&M) of an interim pump-and-treat system with the primary objective of groundwater plume containment. Groundwater treatment includes a low profile, venturi-type air stripper and chemical dosing for descaling purposes. Currently conducting a Tiered Human Health and Ecological Risk Assessment using ASTM RBCA guidance prior to initiating a feasibility study to identify and evaluate alternative remediation technologies for long-term implementation at the project site. In addition to the above activities, semi-annual groundwater monitoring well and residential well sampling is required as part of the monitoring program.
- **Managed site investigation and risk assessment for a national container plant in Indianapolis, Indiana.** The investigation effort was focused on the identification of chlorinated solvents present in site soil and groundwater caused by the plant operations. Based on the results of the site investigation and risk assessment, developed site-specific soil and groundwater cleanup objectives and identified areas of environmental concern. Conducted groundwater modeling to select the most cost-effective site remediation methods. Entered the project site into the Indiana Department of Environmental Management (IDEM) Voluntary Remediation Program (VRP) to request approval on the proposed site remediation methods.

Successfully negotiated with the agency to obtain approval of a “no further remediation” letter and Certificate of Completion for the site.

- **Co-authored an approved detailed plan for confirmatory soil sampling submitted to the United States Environmental Protection Agency (US EPA) and IDEM for national rubber manufacturing facility in Noblesville, Indiana.** Objective was to excavate and remove from the designated properties (including residential properties) any soil with concentrations exceeding 1 part per million (ppm) of polychlorinated biphenyls (PCBs). Obtained permits from the city, county and state governmental offices. At the conclusion of all excavation activities, a total of approximately 276 tons of soil with PCB concentrations greater than 50 ppm were excavated and disposed at a licensed hazardous waste landfill. A total of approximately 2,698 tons of soil with PCB concentrations less than 50 ppm were excavated and disposed at a Special Waste landfill. Conducted all confirmatory sampling in accordance with the agency approved sampling plan. Certificates of completion from the IDEM and US EPA have been awarded to the site.
- **Served as the operator for a Class B industrial wastewater treatment system for a former landfill containing various chlorinated organic compounds in groundwater in vicinity of a former lagoon and creek.** The groundwater remediation system included the development of a hydraulic barrier through the installation of a groundwater collection trench that diverts contaminated groundwater into a sump, which pumps the contaminated water through a sprayer into the lagoon. The system was approved by the IDEM VRP.
- **Managed UST regulatory services for owner of multiple gasoline service stations throughout Indiana.** Provide litigation support for all technical soil and groundwater investigations. Based on site investigations, have implemented several cost effective remedial techniques for this client including in-situ remediation, pump and treat, free product skimmers, oxygen release compounds (ORCs), and have obtained an approved Corrective Action Plan from the IDEM for each of these sites. Subsequently, have entered each of these sites into the Excess Liability Trust Fund (ELTF), which is a mechanism for reimbursing the client for costs of remediation.
- **Conducted bulk asbestos survey and prepared operations and maintenance plan (ISO 14000) for a national manufacturing facility in Indiana.** Provide oversight for abatement activities, conduct quarterly inspections and prepare Asbestos Awareness training for all maintenance employees.
- **Negotiated, won and managed master service agreement (MSA) to conduct Phase I Environmental Site Assessments (ESAs) and Phase II ESAs of commercial, light industrial and vacant parcels for national restaurant chain.** Assessed numerous sites undergoing acquisition, divestiture or refinancing. Determined environmental compliance and liabilities based on former land uses and on-site evidence.
- **Conducted over 20 Phase I ESAs throughout US for national agricultural chemical manufacturer headquartered in Zionsville, Indiana.** Several of Phase I ESAs were followed up with site investigations of soil and groundwater and UST removal and closures activities.

- **Managed several Phase I and Phase II ESAs for a national wire processing company including industrial facilities in Indiana, Kentucky, Ohio and Kansas.** Performed remediation of chlorinated solvents and lead in groundwater.
- Managed a Phase II Investigation of a national scrap metal storage facility in northern Indiana involving heavy metals in soil and groundwater.
- **Coordinated field activities for EPA RCRA closure certification of subsurface impoundments at an active foundry in Warsaw, Indiana.** Conducted statistical analysis to determine the amount neutralizing agents required to stabilize foundry waste sludge. Conducted all sampling and provided oversight of all activities.
- **Managed groundwater treatment via trench systems, pump and treat and bioremediation of the release of gasoline into soil and groundwater of a residential neighborhood.** A groundwater recovery trench was constructed adjacent to a city street prior to entering a residential neighborhood. Based on previous investigations, the depth and slope of local bedrock was mapped to locate the trench recovery system in the most effective location in order to protect nearby residential wells.
- Installed and operated several dual-phase vacuum extraction (DPVE) systems including off gas and groundwater treatment at gasoline stations throughout Indiana.
- **Managed field activities for the construction, installation and operations/maintenance of groundwater, soil vapor extraction, and air sparge treatment systems.** Based on a limited investigation, was able to determine the groundwater flow and constituents of concern and install the treatment system to intercept and treat constituents prior to offsite migration.
- Performed well slug tests and analyzed results of slug tests and pumping tests to determine the hydraulic properties of tested aquifer for a national pipe company in Florida.
- Performed waste characterization and manifests for impacted soil remediation by excavation, transportation and disposal at State approved landfills.
- Field Geologist for numerous Underground Storage Tank (UST) removals throughout the Indiana including confirmatory soil sample collection and leading to successful UST closure reporting activities.

PROFESSIONAL REGISTRATIONS

Licensed Professional Geologist, Indiana, No. 2054

40-Hour OSHA HAZWOPER Training, 1995

Class B Industrial Wastewater Treatment Operator

Asbestos Management Planner, Indiana and Ohio

Asbestos Building Inspector, Illinois and Kentucky

AFFILIATIONS

Professional Geologists of Indiana

Indiana Industrial Operators Association

National Groundwater Association

PROFESSIONAL HISTORY

LFR Inc., Senior Geologist, 2009

Roux Associates, Inc., Senior Geologist, 2002 to 2009

Dames & Moore/URS Corporation, Staff/Senior Geologist, 1997 to 2002

August Mack Environmental, Environmental Geologist, 1995 to 1997

Donan Engineering, Field/CADD Technician, 1988 to 1990