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**PHASE I ENVIRONMENTAL SITE ASSESSMENT
GENERAL MOTORS CORPORATION/UNITED AUTO WORKERS
EMPLOYEE DEVELOPMENT CENTER
65 EAST UNIVERSITY DRIVE
PONTIAC, MICHIGAN**

PREPARED FOR:

GENERAL MOTORS WORLDWIDE REAL ESTATE

ENCORE ENVIRONMENTAL CONSORTIUM, LLC

DATE: JULY 1, 2005

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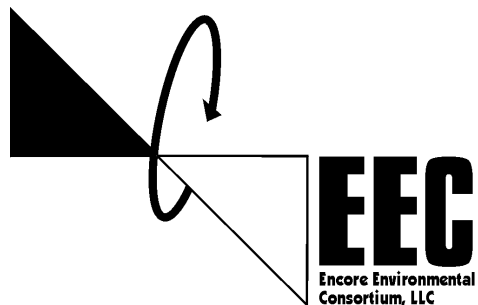
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Brad Saunders

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Project Manager

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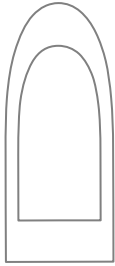
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EXECUTIVE SUMMARY

Encore Environmental Consortium, LLC (EEC) has conducted a Phase I Environmental Site Assessment (ESA) of the General Motors Corporation (GM) / United Auto Workers (UAW) Employee Development Center located at 65 East University Drive in Pontiac, Michigan (herein referred to as "the Site"). The purpose of the Phase I ESA was to identify and document the current and historical environmental conditions of the Site and the presence of substances which indicate an existing, past, or potential adverse environmental impact to the air, soil, groundwater, or surface waters as a result of operations on the Site and adjacent and surrounding properties, and which indicate that further investigation may be necessary to evaluate potential environmental liabilities associated with the Site.

This Phase I ESA was performed in general accordance with the American Society of Testing and Materials (ASTM) E 1527-00 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, and other client-specified requirements. The investigation was intended to identify Recognized Environmental Conditions (RECs) as defined by the ASTM E 1527-00 Standard.

A. RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has revealed evidence of the following RECs in connection with the Site:

- According to historical documentation, eleven underground hydraulic lifts were installed in 1978 in the first floor of the Site building. At the time of the Site reconnaissance, EEC observed four abandoned underground hydraulic lifts in the garage area of the Site building. Site personnel were unaware if the remaining seven underground hydraulic lifts were abandoned or removed from the ground. A former dynamometer pit was formerly located in the northwest corner of the first floor. At the time of the Site reconnaissance, locations of four abandoned or former underground hydraulic lifts and the former dynamometer pit were in classrooms with carpeted floors. Evidence of the remaining three underground hydraulic lifts in the auto maintenance lab room was not observed by EEC during the Site reconnaissance. Site personnel were unable to provide documentation regarding removal and/or abandonment dates or any sampling activities associated with removal and/or abandonment of the former lifts and the former dynamometer pit. Therefore, each of the eleven abandoned or former underground hydraulic lift locations and the former dynamometer pit represent RECs.
- 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 Site reconnaissance, the former location of the separator was covered with carpet and could not be observed. Site personnel were unable to provide documentation on the removal or abandonment of the oil/sand separator, and were unaware of its drainage destination. Therefore, the location of the former oil/sand separator represents a REC.
- EEC observed one floor drain in the air conditioning room on the second floor. EEC observed one floor drain in the auto maintenance lab room and one floor drain in the auto laboratory during the Site reconnaissance. According to Site personnel, these drains lead to a sump located in the boiler room of the basement, which was observed by EEC to be full of liquid during the Site reconnaissance. In addition, EEC observed one trench-style floor drain in the basement leading to an adjacent sump also observed by EEC to be full of liquids during the Site reconnaissance. According to Site personnel, drainage from the two sumps lead to the City of Pontiac's sanitary sewer system. The two sumps in the basement represent RECs.

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- The 1924 Sanborn® Map depicts a filling station with two gasoline underground storage tanks (USTs) approximately 125 feet west-southwest of the Site boundary. Based on the date of the map and environmental database search findings, documentation regarding registration or closure of the USTs was not applicable or available. Therefore, the historic presence of USTs in close proximity to the Site represents a REC.

B. HISTORICAL RECs

This assessment has revealed evidence of the following historical REC in connection with the Site:

- 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, respectively. Previous reports indicate that the former gasoline UST was closed in place and filled with sand in 1980. Inland Waters removed the two 1,000-gallon USTs and an associated gasoline dispenser in December 1990. Confirmation samples were collected and analytical results identified two samples containing benzene / toluene / ethylbenzene / xylenes (BTEX) constituents at concentrations exceeding Michigan Act 307 Type A background levels. The Michigan Department of Environmental Quality (MDEQ) concluded that since the levels of BTEX concentrations were above Type A levels, residential closure was recommended. On June 7, 1991 a release from the two USTs was reported to MDEQ as a leaking underground storage tank (LUST) case. On April 7, 1992, Enkon Environmental Services, Inc. (Enkon) performed a subsurface investigation in the vicinity of the two former UST locations. Benzene was detected in two of the soil samples at concentrations exceeding Michigan Act 307 Type B 20 Drinking Water Cleanup Criteria. On January 7, 1993, Pickering Environmental Consultants, Inc. (PECI) performed a subsurface investigation in the vicinity of the former spill UST (SB #1 and SB#2). Benzene and ethylbenzene were detected in one of the soil samples at a concentration exceeding Michigan Act 307 Type B 20X Drinking Water Cleanup Criteria. On March 16 and 17, 1995, Conestoga-Rovers & Associates (CRA) performed a subsurface investigation in the vicinity of the two former USTs. Except for arsenic, no parameters were detected above the Michigan Tier 1 Residential Direct Contact Criteria for soil or the Michigan Generic Cleanup Criteria in the soil samples. Arsenic was detected at a concentration close to the background level for arsenic in Erie Lobe clays (11 milligrams per kilogram [mg/kg]) and was not considered to be associated with the former USTs. CRA concluded that the release had been remediated to current Michigan Residential Criteria and no exposure pathways were identified. CRA submitted a closure report to the MDEQ for the two USTs, and the LUST case was closed by MDEQ on December 22, 1995. Accordingly, the former gasoline UST and associated dispenser, and former spill UST are considered historical RECs.

C. OTHER ENVIRONMENTAL ISSUES

In addition to the ASTM Standard, this assessment evaluated other client-specified criteria for the Site. The following other environmental issues were identified at the Site:

- An asbestos survey was not conducted as part of this Phase I ESA. A previous investigation confirmed that asbestos-containing material (ACM) exists in the Site building, which was constructed in the 1950s. On May 21, 2004, the Traverse Group performed bulk sampling from homogeneous materials identified within the building. Thirty-six samples were taken from eleven homogenous materials. Samples were analyzed for presence of asbestos. Only one of the homogenous materials, 12" x 12" red floor tile in the auditorium on the first floor, tested positive for asbestos content. The red floor tiles were identified as containing 10% asbestos. At the time of the Site reconnaissance, the red floor tiles appeared to be in good condition. The asbestos survey identified certain materials as suspect ACMs in areas where sampling could have

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disrupted plant operations. Identified suspect ACMs included all mudded joints on fiberglass straight pipe, all non-fiberglass straight pipe insulation and associated fittings, and HVAC fiberglass blanket with canvas and paper backing throughout the Site building. At the time of the Site reconnaissance, ACM stickers were observed on piping insulation throughout the Site building. According to Site personnel, there is no Operation and Maintenance Program (O&M) in place at the Site, which represents an other environmental issue. In addition, EEC observed exposed suspect ACM on piping insulation in the hallway of the first floor and damaged piping insulation in the boiler room of the basement and in the air conditioning room on the second floor, which represents an other environmental issue.

- A lead-based paint survey was not conducted as part of this Phase I ESA. Due to the construction date of the Site building (1950s) lead-based paint is potentially present. Site personnel had no knowledge of any lead-based paints being used at the Site. At the time of the Site reconnaissance, EEC observed peeling of paint in the hallway and staircase near the boiler room in the eastern portion of the basement, which represents a potential exposure issue. EEC observed no evidence or documentation indicating that potential lead-containing discarded painted materials from the eighteen former residences, nine former associated garages, and the former office building exist below the ground surface. Painted surfaces in the remainder of the Site building appeared to be in good condition at the time of the Site visit with no visible evidence of peeling or flaking. The potential presence of lead-based paint in the Site building is considered an other environmental issue.

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1.0 INTRODUCTION

A Phase I Environmental Site Assessment (ESA) has been performed of the General Motors Corporation (GM) / United Auto Workers (UAW) Employee Development Center located at 65 East University Drive in Pontiac, Michigan (herein referred to as “the Site”; see Figure 1 and Figures 2a through 2c in Appendix A).

The purpose of this Phase I ESA was to identify and document the current and historical environmental conditions of the Site and the presence of substances which indicate an existing, past, or potential adverse environmental impact to the air, soil, groundwater or surface waters as a result of operations on the Site and adjacent and surrounding properties, and which indicate that further investigation may be necessary to evaluate potential environmental liabilities associated with the Site. The investigation was also intended to identify Recognized Environmental Conditions (RECs) as defined by the American Society of Testing and Materials (ASTM) E 1527-00.

The ASTM Standard defines a REC as *“the presence or likely presence of any hazardous substances or petroleum products on a property (Site) under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on a 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. Conditions determined to be de minimis are not recognized environmental conditions.”*

The conclusions regarding the potential impact of RECs on the Site are intended to help the client and other users of the report evaluate the “business environmental risk” associated with the Site, as defined in the ASTM E 1527-00 Standard. The ASTM Standard defines “business environmental risk” as *“a risk which can have a material environmental or environmentally-driven financial impact on the business associated with the current or planned use of a parcel of commercial real estate.”*

1.1 SCOPE OF WORK

The following scope of work was undertaken, in accordance with ASTM Phase I ESA Standard requirements and client-specified requirements:

- Task 1 A Site reconnaissance was conducted to visually and physically observe the Site in an effort to obtain information suggesting RECs of potential concern, including:
- Observing and recording the physical setting of the Site.
 - Observing and documenting the property and land use, including abutting and surrounding properties.
 - Interviewing the current property owner/tenants/maintenance chief to obtain information on current and past operations that may have led to a release of oil, gasoline, solvents, or hazardous material(s) to the soil or ground water and information regarding the presence of underground storage tanks (USTs), hydraulic lifts, asbestos, lead-based paint, polychlorinated biphenyls (PCBs), etc. onsite.
 - Observing and documenting the Site conditions that may be indicative of past and present releases and practices, including taking color photographs showing the general property and surrounding areas.

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- Observing and documenting the presence and/or absence and the condition and apparent regulatory compliance status of former and current aboveground storage tanks (ASTs), USTs, chemical storage areas, hydraulic lifts, septic fields, drainage systems, oil/water separators, central vehicle fluid (i.e., oil, grease, transmission fluid, etc.) dispensing systems, etc., including taking color photographs showing the location and condition of these observed areas.
- Observing and recording the presence or absence of chemical substances and/or debris onsite, including the number of drums/containers, size, estimated quantity, and a description/identification of the contents where possible.

Task 2

A Site history review was performed to evaluate previous ownership and land use including:

- Local geology/hydrogeology;
- Groundwater well inventory;
- Groundwater use;
- Interviews with local officials from the fire marshal's office, town or city engineer's and assessor's office, etc.;
- Review of information from town or city historical societies, libraries, etc.; and
- Review of historic aerial photographs, Sanborn® or other fire insurance maps, etc.

Task 3

An electronic database search report was generated for the Site by Environmental Data Resources, Inc. (EDR) to complete the environmental records review. The database search was used to identify properties that may be listed in the referenced Agency records, located within the ASTM-specified search radii indicated below. The databases reviewed included, but were not limited to:

<u>Database</u>	<u>Search Radius</u>
• NPL sites:.....	1 mile
• CERCLIS sites:.....	0.5 mile
• CERCLIS NFRAP sites	Site and Adjoining
• Federal ERNS:	Site only
• RCRA non-CORRACTS TSD facilities:	0.5 mile
• RCRA CORRACTS TSD facilities:	1 mile
• RCRA Generators:.....	Site & Adjoining
• State Hazardous Waste Sites:	1 mile
• Registered Underground Storage Tanks:	Site & Adjoining
• State Landfills and Solid Waste Disposal Sites:	0.5 mile
• State Leaking Underground Storage Tanks:	0.5 mile

A summary of information is provided for each of the above-listed databases in Section 2.3 of this report. The complete environmental database report is provided in Appendix D.

The database search was supplemented with inquiries with appropriate regulatory agencies and municipalities regarding the Site, and to the extent practicable, adjacent properties. Inquiries were made with regulatory agencies with regard to basic regulatory compliance issues for the subject property, such as Site drainage, permits, etc.

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- Task 4 A preliminary asbestos, PCB, lead-based paint, and radon review was performed based on: observations of the Site reconnaissance and property location, the age(s) of the buildings, building materials, discussions with the owner/tenant/operator and the local utility company, and the results of the database search discussed in Task 3.
- Task 5 The findings of the ESA have been documented in this report, which presents a professional opinion as to the environmental disposition of the Site with regard to the presence of RECs or other or other environmental issues.

1.2 EXCEPTIONS AND DEVIATIONS

1.2.1 Exceptions

No exceptions to ASTM Standard E1527-00 were taken during this Phase I ESA.

1.2.2 Deviations

Deviations from the ASTM Standard 1527-00 included addition of several client-specified, non-ASTM considerations.

- Preliminary review of potential for radon gas presence and accumulation;
- Preliminary Asbestos-Containing Material (ACM) evaluation;
- Preliminary lead-based paint presence evaluation;
- Preliminary Wetlands Identification; and
- Preliminary observations regarding potential environmental regulatory compliance issues.

Evaluation of the Site for these criteria was performed for the purpose of providing a general indication of potential problems; this assessment does not serve as a substitute for radon/ACM/lead paint testing, wetlands delineation or a regulatory compliance audit.

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2.0 ASSESSMENT FINDINGS

Information obtained from the sources and activities described in Section 1.0 are presented in the following section. Information supporting the observations in this report is provided in the Appendices. The Site Location Map, Site Maps, and a Surrounding Properties Map are provided in Appendix A. A list of contacts used to prepare this Phase I ESA report is provided in Appendix B. Appendix B also includes environmental correspondence records from telephone interviews and/or visits and resultant data collected. Photographic documentation is provided in Appendix C. The environmental database report is provided in Appendix D. Historical information is provided in Appendix E. Previous reports are referenced in Appendix F. Resumes of the EEC personnel who prepared this Phase I ESA are provided in Appendix G.

2.1 SITE RECONNAISSANCE

On June 22, 2005, EEC completed the Site reconnaissance. The Site reconnaissance included an inspection of the Site and its structures, review of relevant Site records made available to EEC, visual observations of adjacent properties as viewed from the Site and surrounding roadways, and interviews with individuals associated with the Site. EEC was accompanied during the Site reconnaissance by a Site representative. Site personnel provided information regarding facility operations and historical Site uses.

2.1.1 Site Location and Description

The Site is located at 65 East University Drive in Pontiac, Michigan and is used as an employee training and development center jointly operated by General Motors Corporation (GM) and the United Auto Workers (UAW). The Site building consists of 40,459 square feet situated on a 3.7 acre parcel of land. The Site building is two stories with a basement. The first floor consists of classrooms, offices, an auto maintenance lab room, an auto laboratory classroom and a garage area. The second level consists of offices, classrooms, and an air conditioning room. The basement consists of a boiler room, an elevator control room, an exercise area and several storage areas. The general area consists of commercial and residential properties.

According to historical references, several residences and associated garages existed on the Site from 1909 through 1950. A majority of the houses and associated garages were demolished in the early to mid 1950s. The existing Site building was constructed as an automobile dealership (referred to as the "Pontiac Store") owned and operated by Pontiac Motor Division from the early to mid 1950s to 1978. Use of the Site was converted in 1978, when the Site was operated by General Motors Corporation's (GMC's) Truck and Bus Division as Plant 13. According to previous investigations, the building was utilized by GMC's Truck and Bus Division as an engineering center for the construction of prototype vehicles and associated engineering development activities. These activities ceased in 1992. The Site building was remodeled in 1994 for use as a joint GM/UAW training and employee development center as it exists today.

An asphalt paved parking lot surrounds the Site building, and a chain-link fence restricts access to the Site building and/or parking lot in all directions. The Site is accessed through gates from the south via East University Drive or the northwest via North Mill Street. Refer to Figures 1-3 in Appendix A for additional Site features and information. Photographs of the Site are included in Appendix C.

2.1.2 Adjacent Properties

An automobile tour of adjacent properties was conducted to identify any RECs that may adversely affect the Site. The tour was conducted from public rights-of-way and did not involve entry onto any of the adjacent properties. The adjacent properties are shown on the attached Figure 3 in Appendix A.

North Mill Street exists immediately west-northwest of the Site, beyond which exists a vacant building, Letter Perfect Design and Graphics, Rich Sign Service, two parking lots, and vacant wooded land. Residences exist immediately north of the Site. Wide Track Drive exists immediately east of the site, beyond which exists additional residences. The Site is bordered to the southeast by East University Drive, beyond which exists Gary Bornstein Health Clinic, Clutch Cargo (night club), a parking lot, and Grace City of Hope. No visible evidence of RECs or other environmental issues were noted on the adjacent properties.

2.1.3 Underground Storage Tanks

At the time of the Site reconnaissance, no evidence of existing underground storage tanks (USTs) was observed by EEC. According to previous reports and a 1986 Notification of Underground Storage Tanks, fourteen USTs formerly existed at the Site, which included one 1,000-gallon gasoline UST and an associated dispenser, one 1,000-gallon waste oil UST, one 1,000-gallon spill UST for dilute sulfuric acid, and eleven 50-gallon hydraulic oil USTs. The eleven 50-gallon USTs refer to hydraulic lift reservoirs which are no longer considered regulated USTs by the Michigan Department of Environmental Quality (MDEQ). According to previous reports and historical documentation, the 1,000-gallon waste oil UST was converted to a spill tank for dilute sulfuric acid prior to 1986. Previous reports indicated that no evidence of a third 1,000-gallon UST was identified during previous investigations. Based on historical documentation and observations from previous investigations, only two of three former 1,000-gallon USTs listed on the 1986 Notification of Underground Storage Tanks existed at the Site. At the time of the Site reconnaissance, EEC observed the concrete pad where the former gasoline dispenser was located northwest of the Site building.

The 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, respectively. Previous reports indicate that the former gasoline UST was closed in place and filled with sand in 1980.

Inland Waters removed the two 1,000-gallon USTs and an associated gasoline dispenser in December 1990. No holes, odors, or visible contamination was documented during removal activities. The USTs were located and removed from approximately 14 feet below ground level (bgl). Confirmation samples were collected and analyzed for benzene, toluene, ethylbenzene and xylene (BTEX), total petroleum hydrocarbons (TPH), and polynuclear aromatics hydrocarbons (PAHs). The excavations were then backfilled with sandy soil and paved. Analytical results identified two samples containing BTEX constituents at concentrations exceeding Michigan Act 307 Type A background levels. PAHs and TPH were not detected above the laboratory analytical detection limits in any of the samples. The MDEQ concluded that since the levels of BTEX concentrations were above Type A levels, residential closure was recommended and the Site should be treated as a leaking underground storage tank (LUST) Site, requiring retention of discrete sidewall samples from the excavation. On June 7, 1991 a release from the two USTs was reported to MDEQ as a leaking underground storage tank LUST case.

On April 7, 1992, Enkon Environmental Services, Inc. (Enkon) was retained by GMC to further delineate the extent of detectable constituents at the Site in the vicinity of the former gasoline UST and former spill UST. Enkon advanced nine soil boring borings (B-1 through B-9) in the vicinity of the two former UST locations. Four of the nine soil borings were advanced to a depth of approximately 15 feet bgl. Four

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additional soil borings were advanced to a depth of approximately 12 feet bgl. One additional soil boring was installed to determine the vertical extent of any remaining gasoline constituents. Groundwater was not encountered during this investigation. Soil samples were collected and analyzed for BTEX and lead. Soil sample B-1, which was installed in the vicinity of the former spill UST, detected benzene and lead at concentrations of 170 µg/kg and 1,500 µg/kg, respectively. Benzene, toluene, and xylene were detected at concentrations of 281 µg/kg, 891 µg/kg, and 319 µg/kg, respectively, in B-5, which was installed in the vicinity of the former gasoline UST. The detections of benzene in B-1 and B-5 exceeded Michigan Act 307 Type B 20 Drinking Water Cleanup Criteria. BTEX was not detected in soil samples B-2 through B-4 and B-6 through B-9. Lead was detected in borings B-6 at 850 µg/kg, B-7 at 2,200 µg/kg, B-8 at 1,400 µg/kg and B-9 at 1,600 µg/kg.

On January 7, 1993, Pickering Environmental Consultants, Inc. (PECI) mobilized to the Site and advanced two soil borings in the vicinity of the former spill UST (SB #1 and SB#2). A soil sample was collected from 14 to 16 bgl in SB #1 and analyzed for BTEX. All BTEX constituents were below the laboratory analytical detection limits in soil sample SB #1. Soil boring SB #2 was advanced to a total depth of 11 feet bgl. At approximately 7 feet bgl, a petroleum odor was detected in the soil of SB #2. Two soil samples were collected from SB #2 and analyzed for BTEX constituents. All BTEX constituents were detected in the two soil samples (PTI-02-1 and PTI-02-2) collected from SB #2. In the 7 to 9 foot bgl interval, benzene was detected in soil at a concentration of 730 µg/kg, and was the only constituent exceeding Michigan Act 307 Type B 20X Drinking Water Cleanup Criteria. In the 9 to 11 foot bgl interval, benzene and ethylbenzene were detected at concentrations of 850 µg/kg and 2,000 µg/kg, both exceeding the Michigan Act 307 Type B 20X Drinking Water Cleanup level.

On March 16 and 17, 1995, Conestoga-Rovers & Associates (CRA) advanced four soil borings (BP-PH13-1 through 4) in the vicinity of the two former USTs. Continuous split spoon sampling was conducted and the soil samples were screened with a Photoionization detector (PID). Soil borings BH-PH13-1 and -2 were installed to a depth of approximately 48 feet bgl. Soil borings BH-PH13-1 and -2 were located near each of the two former UST locations. Three soil samples were collected from each soil boring. Soil samples were collected from BH-PH13-1 at 0 to 2 feet bgl and 16 to 18 feet bgl, and from BH-PH13-2 at 2 to 4 feet bgl, 16 to 18 feet bgl, and 40 to 42 feet bgl. Collected samples were analyzed for BTEX and Lead. BTEX and lead were not detected at concentrations exceeding Michigan Tier 1 Residential Direct Contact Criteria for soil. Soil boring BH-PH13-3 was installed to a depth of approximately 18 feet bgl. Two soil samples were collected at 2 to 4 feet bgl and 14 to 16 feet bgl. Collected samples were analyzed for pesticides, polychlorinated biphenyls (PCBs), and target compound list semi-volatile organic compounds (TCL VOC). Except for arsenic, no parameters were detected above the Michigan Tier 1 Residential Direct Contact Criteria for soil or the Michigan Generic Cleanup Criteria in BH-PH13-3. Arsenic was detected at a concentration of 13 mg/kg in BH-PH13-3 at 2 to 4 feet bgl. This concentration was above the Michigan Generic Residential Cleanup Criteria, however, it was close to the background level for arsenic in Erie Lobe clays (11 mg/kg) and was not considered to be associated with the former USTs. Borehole BH-PH13-4 was installed to a depth of approximately 5 feet bgl. One soil sample was collected at 0 to 2 feet bgl and analyzed for BTEX and lead. BTEX and lead were not detected above the Michigan Tier 1 Residential Direct Contact Criteria for soil. No groundwater was encountered at the Site to a depth of 48 feet bgl. Based on the geology of the area, CRA concluded that it was not expected that offsite soil or groundwater was impacted by the release. CRA concluded that the release had been remediated to current Michigan Residential Criteria and no exposure pathways were identified. CRA submitted a closure report to the MDEQ for the two USTs and the LUST case was closed by MDEQ on December 22, 1995. Accordingly, the former gasoline UST and associated dispenser, and former spill UST associated with the closed spill are considered historical RECs.

According to historical documentation, each of the eleven 50-gallon hydraulic oil reservoirs was associated with one of the eleven abandoned or former underground hydraulic lifts. At the time of the Site reconnaissance, evidence of four abandoned underground hydraulic lifts and two associated

abandoned fill ports for hydraulic oil reservoirs were observed in the garage area. It is unknown if the eleven 50-gallon hydraulic oil reservoirs were removed from the ground or abandoned in place. RECs associated with the four abandoned underground hydraulic lifts and seven other abandoned or former underground hydraulic lifts are described in Section 2.1.5.

2.1.4 Aboveground Storage Tanks

According to the EDR report, Site personnel, and regulatory contacts, there are no aboveground storage tanks (ASTs) existing at the Site. At the time of the Site reconnaissance, no ASTs were observed by EEC during the Site reconnaissance. Although ASTs associated with former automobile service and vehicle development activities may have existed in the service, garage and laboratory areas, documentation regarding the presence of any such ASTs was not available. No RECs or other environmental issues were noted in association with ASTs at the Site.

2.1.5 Hydraulic and Testing Equipment

According to historical documentation, eleven underground hydraulic lifts were installed in 1978 in the first floor of the Site building. At the time of the Site reconnaissance, EEC observed four abandoned underground hydraulic lifts in the garage area of the Site building. Site personnel were unaware if the remaining seven underground hydraulic lifts were abandoned or removed from the ground. A former dynamometer pit was formerly located in the northwest corner of the first floor. At the time of the Site reconnaissance, locations of four abandoned or former underground hydraulic lifts and the former dynamometer pit were in classrooms with carpeted floors. Evidence of the remaining three underground hydraulic lifts in the auto maintenance lab room was not observed by EEC during the Site reconnaissance. One dual-post aboveground electric lift was observed in the auto maintenance lab room at the time of the Site reconnaissance. Site personnel were unable to provide documentation regarding removal and/or abandonment dates or any sampling activities associated with the removal and/or abandonment of the underground hydraulic lifts or the former dynamometer pit. Therefore, each of the eleven abandoned or former underground hydraulic lift locations and the former dynamometer pit represent RECs.

EEC observed an old freight elevator in the first floor of the Site building, which contained an aboveground hydraulic unit located in an adjacent service room. A second electric-hydraulic elevator that is used to transport people from the first to second floor was also observed in the southern portion of the building. No staining was noted in the vicinity of the elevators at the time of the Site reconnaissance.

2.1.6 Site Drainage and Discharge

Storm water drainage in the vicinity of the Site building is directed by sloped asphalt surfaces to four storm drains and two trench-style storm drains located throughout the western portion of the Site. Storm water drainage in the northeast portion of the Site infiltrates into the broken asphalt and grass-covered parking lot. These storm drains lead to the City of Pontiac's storm water system, which discharges into the Clinton River.

At the time of the Site reconnaissance no evidence of oil/water separators were observed by EEC. 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 Site reconnaissance, the former location of the separator was covered with carpet and could not be observed. Site personnel were unable to provide documentation on the removal or abandonment of the oil/sand separator, and were unaware of its drainage destination. Therefore, the location of the former oil/sand separator represents a REC.

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EEC observed one floor drain in the air conditioning room on the second floor. EEC observed one floor drain in the auto maintenance lab room and one floor drain in the auto laboratory during the Site reconnaissance. Two additional floor drains were observed by EEC in the boiler room of the basement. According to Site personnel, these drains lead to a sump located in the boiler room of the basement, which was observed by EEC to be full of liquid during the Site reconnaissance. In addition, EEC observed one trench-style floor drain in the basement which leading to an adjacent sump also observed by EEC to be full of liquids during the Site reconnaissance located adjacent to the trench-style floor drain. According to Site personnel, drainage from the two sumps lead to the City of Pontiac's sanitary sewer system. The two sumps in the basement represent RECs.

According to historical documentation, four trench-style floor drains existed on the first floor of the Site building. At the time of the Site reconnaissance, EEC observed two abandoned trench-style floor drains. One abandoned floor drain extended from the auto maintenance lab room to the auto laboratory, while the second was observed in the garage area. A third floor drain was located in the garage area, while the fourth was located where the main hallway exists that is currently covered with floor tile. No evidence of these two remaining trench-style floor drains was observed by EEC during the Site reconnaissance. Site personnel indicated that the former trench-style floor drains led to the sump in the boiler of the basement, which discharges to the City of Pontiac's sanitary sewer system.

2.1.7 Other Hazardous Substances and Petroleum Products

Various petroleum and hazardous substances associated with Site activities are stored and used at the Site. These substances include parts washing fluids, hydraulic oil, elevator lubricator, and interior and exterior paint. In addition, knowledge of former Site activities and UST documentation indicates that gasoline, sulfuric acid, motor oil and other automobile fluids were used at the Site. EEC observed approximately ten one-gallon and fifteen five-gallon containers of interior and exterior paint in the basement of the Site building. Six one-gallon containers of elevator lubricants were observed in the compressor room in the basement. Two five-gallon containers of hydraulic oil were observed in the compressor room in the basement. Minor staining was observed in the vicinity of the elevator lubricant and hydraulic oil containers. However, the concrete in the area appeared to be in good condition with no evidence of significantly compromised integrity. Containers appeared to be properly stored and labeled at the time of the Site reconnaissance. According to Site personnel, once paint is utilized, empty paint cans are picked up by Environmental Recycling for proper disposal.

No RECs or other environmental issues were noted in association with the storage or use of hazardous substances and petroleum products at the Site.

2.1.8 Suspect Asbestos-Containing Building Materials

An asbestos survey was not conducted as part of this Phase I ESA. A previous investigation confirmed that asbestos-containing material exists in the Site building, which was constructed in the 1950s. On May 21, 2004, the Traverse Group performed bulk sampling from homogeneous materials identified within the building. Thirty-six samples were taken from eleven homogenous materials which included white and red floor tiles, black and brown mastic, ceiling tiles, and wall boards. Samples were analyzed for presence of asbestos. Only one of the homogenous materials, 12'' x 12'' red floor tile in the auditorium on the first floor, tested positive for asbestos content. The red floor tiles were identified as containing 10% asbestos. At the time of the Site reconnaissance, the red floor tiles appeared to be in good condition. According to the project specifications, certain materials were identified as suspect asbestos containing materials until sampling could be performed in the future. Materials located in areas where sampling could have disrupted plant operations were also identified as suspect asbestos containing materials. The following materials were identified as suspect containing materials or could not be sampled:

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- All mudded joints on fiberglass straight pipe
- All non-fiberglass straight pipe insulation and associated fittings
- HVAC fiberglass blanket with canvas and paper backing

The asbestos survey identified suspect asbestos containing material (ACM) in Mag Type Straight and fittings insulation of the steam system throughout the building. The asbestos survey identified suspect friable ACM in mud fitting on Aircell type insulation of the steam system in the first floor. The survey also identified suspect friable ACM in the fiberglass blanket backing the HVAC system and in drywall and mud on the walls throughout the basement. The survey also identified suspect friable ACM in mud fittings on Millboard insulation of the steam system and on the domestic hot water and mud fittings fiberglass line throughout the second floor. At the time of the Site reconnaissance, ACM stickers were observed on piping insulation throughout the Site building. According to Site personnel, there is no Operation and Maintenance Program (O&M) in place at the Site, which represents an other environmental issue. In addition, EEC observed exposed suspect ACM on piping insulation in the hallway of the first floor and damaged piping insulation in the boiler room of the basement and in the air conditioning room on the second floor, which represents an other environmental issue.

2.1.9 Lead-Based Paint

A lead-based paint survey was not conducted as part of this Phase I ESA. Due to the construction date of the Site building (1950s) lead-based paint is potentially present. Site personnel had no knowledge of any lead-based paints being used at the Site. At the time of the Site reconnaissance, EEC observed peeling of paint in the hallway and staircase near the boiler room in the eastern portion of the basement, which represents a potential exposure issue. EEC observed no evidence or documentation indicating that potential lead-containing discarded painted materials from the eighteen former residences, nine former associated garages, and the former office building exist below the ground surface. Painted surfaces in the remainder of the Site building appeared to be in good condition at the time of the Site visit with no visible evidence of peeling or flaking. The potential presence of lead-based paint in the Site building is considered an other environmental issue.

2.1.10 Polychlorinated Biphenyls

Site personnel did not have knowledge of PCB-containing materials formerly or currently present at the Site. During the Site reconnaissance, EEC did not observe electrical transformers on the Site. Electricity is provided to the Site from pole-mounted transformers located offsite along East University Drive. New and used fluorescent light bulbs are stored in the basement. New and used fluorescent light bulbs are stored in the basement, and are removed periodically from the Site by Environmental Recycling for recycling/disposal. Accordingly, no RECs or other environmental issues were noted in association with PCB-containing materials.

2.1.11 Radon Gas

Information regarding radon concentrations in the Site vicinity was obtained by EDR. Details regarding this information are presented in the Geotcheck® Addendum to the EDR Radius Map Report, which is attached as Appendix D.

Oakland County is located within Radon Zone 2, where average predicted indoor radon levels are greater than or equal to 2 picoCuries per liter (pCi/L) and less than or equal to 4 pCi/L. This information was derived from the US Environmental Protection Agency (EPA) Radon Map, which is based on indoor

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radon screening samples compiled by the EPA, geologic and soil analysis, and the foundations types typically found within each zone. According to the Federal Area Radon Database, out of 61 sites tested in Oakland County, the average radon concentration was 1.189 pCi/L in first floor living areas and 1.539 pCi/L in basement areas. One hundred percent of the 1st floor living areas and ninety-three percent of the basement areas tested reported radon concentrations less than 4 pCi/L. The EPA safety standard for radon gas in residences is 4 pCi/L and the United States Council on Radiation Protection and Measurement (NCRP) standard is 8 pCi/L. Basement areas exist in the Site building. According to Site personnel, no radon testing has been conducted at the Site. In consideration of area radon concentrations, radon is not considered an other environmental issue at the Site.

2.1.12 Wetlands Identification

A wetland survey or delineation was not conducted for this Phase I ESA. EEC contracted EDR to conduct a records search of the U.S. Fish and Wildlife Service 2002 National Wetlands Inventory (NWI) for the Site and surrounding area. The EDR report indicated that electronic data coverage was not available for the Site. Federal Emergency Management Agency (FEMA) flood plain panel data was not available for the Site. The nearest mapped surface water is a lake, which exists approximately 1 mile south of the Site.

No potential wetland areas (standing water, wet areas, or vegetation characteristic of wetlands) were observed on the Site by EEC during the Site reconnaissance. Based on this information, the Site does not appear to contain regulated wetlands.

2.1.13 Solid and Special Waste

One trash compactor was located north of the Site building. The dumpster is present for disposal of general trash. The dumpster is present for disposal of general trash. The contents of the trash dumpster are periodically hauled offsite by Waste Management for disposal. No used batteries, used tires or recyclables were observed by EEC during the Site reconnaissance.

Site personnel were unaware of any present or historic practices involving onsite disposal of solid waste. EEC did not observe evidence of onsite solid waste disposal during the Site reconnaissance or review of historic records. Accordingly, solid and special waste is not considered a REC or other environmental issue at the Site.

2.1.14 Hazardous Waste

Hazardous waste is not generated on the Site. The EDR environmental database report and the Environmental Protection Agency (EPA) Envirofacts Database do not have hazardous waste listings for the Site. No evidence of hazardous waste generation, storage or disposal activities were observed by EEC during the Site reconnaissance. In addition, a review of historical documents indicated no evidence of onsite disposal activities. Accordingly, no RECs or other environmental issues were noted in association with hazardous waste generation, handling, or disposal.

2.1.15 Air Emissions

According to Site contact, there are currently no operations or equipment at the Site that require air emissions permitting or testing. During the Site reconnaissance, EEC observed a small natural gas fired boiler at the Site. Boilers with less than 50 million British Thermal Units (btu) capacity used for general space heating are exempt from air permitting requirements in Michigan. EEC did not observe or detect

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other air emission sources. Accordingly, no RECs or other environmental issues were noted in association with air emissions.

2.1.16 Spills/Releases

According to previous reports and the EDR report, a release associated with the former 1,000-gallon gasoline UST and former 1,000-gallon spill UST was reported to the MDEQ on June 7, 1991. CRA submitted a closure report for the two former USTs and closure was received for the LUST case on December 22, 1995. Historical RECs associated with the former USTs and the closed spill is described in Section 2.1.3.

At the time of the Site reconnaissance, EEC observed moderate oil staining on the concrete floor in the elevator control room located in the basement. However, the concrete in the area appeared to be in good condition with no evidence of significantly compromised integrity.

2.1.17 CERCLA Liability Potential

The Site is not listed on the NPL or in the State Hazardous Waste Site Database. There is no documentation that the Site has received notification from any government agency or third party of liability as a potential responsible party for any hazardous waste treatment, storage, or disposal onsite. There is no documentation that the Site has defended any environmental-related claims or litigation asserted by any governmental agency or third party, and no potential claims or litigation presently exist.

SITE HISTORY REVIEW

2.1.18 Property Usage

City Directories

EEC contracted EDR to perform a city directory search of the Site and adjacent street addresses. City directory listings were available from EDR for the years 1920 through 2005.

According to the City Directory Report, Pontiac Retail Store (parking lot) was listed at the Site at 138 North Mill Street in 1957 and 1962. Pontiac Retail Store was listed at the Site at 65 East University Drive in 1973. Several residences were listed at the Site at 118 North Hill Street, 120 North Hill Street, 124 North Hill Street, 124 North Hill Street, 128 North Hill Street, 130 North Hill Street, 134 North Hill Street, 138 North Hill Street, and 142 North Hill Street in 1920, 1927, 1931, 1938, and 1945. In 1973, the 124 North Mill Street portion of the Site was listed as Sun-Out, Inc. Additional residences were listed at the Site at 152 North Hill Street, 152 ½ North Hill Street, 154 North Hill Street, 154 ½ North Hill Street, and 162 North Hill Street in 1920, 1927, 1930, 1945, 1952, 1957, and 1962. The 164 North Hill Street portion of the Site was also listed as residential in 1920, 1927, 1931, 1938, 1945, 1952, 1957, 1962, 1973, 1977, 1985, 1990, 1995 and 2000.

City directory listings for adjoining properties were not available until 1920. Several residences were listed along North Mill Street in 1920, 1927, 1931, 1938, 1945, 1952, 1957, 1962, 1973, 1977, 1985, 1995, and 2000. A residence was also listed at 35 East University Street in 1981. MBT was listed at 54 North Mill Street in 1977. An office building was listed at 54 North Mill Street in 1981, 1985 and 2005. Atlantic Associates, James W. Helmrich Inc., Meklr Schreier and Associates, and PDQ Towing Service were listed at 54 North Mill Street in 1990. Community Transportation and J. E. Herban, Inc. were listed

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at 54 North Mill Street in 1995. Next Link and TCG were listed at 54 North Mill Street in 2000. City Communications Program was listed at 50 East University Drive in 1981. Furlong Building was listed at 50 East University Drive in 1985. An office building was listed at 51 East University Drive was in 1973 and 1981. Oakland Graphics, Inc. was listed at 51 East University Drive in 1990 and 1995. Custom Signs and Oakland Displays were listed at 51 East University Drive in 2000. Michigan Printing Company was listed at 55 North Mill Street in 1952. Sears Roebuck and Company was listed at 57 North Mill Street in 1938. Michigan Printing Company was listed at 57 North Mill Street in 1945. Pontiac Typesetting Company was listed at 57 North Mill Street in 1952. County Surveyor's Office was listed at 64 East University Drive in 1920. First Congregational Church was listed at 86 North Mill Street in 1962. Grace Medical Support was listed at 90 East University Drive in 2005.

The City Directory Report is included in Appendix E. No RECs or other environmental issues were noted in association with the city directory search.

Sanborn® Fire Insurance Maps

Sanborn® Fire Insurance Maps assist in the identification of historic land use and commonly indicate the existence and location of aboveground and underground storage tanks, structures, improvements and facility operations. Sanborn® Maps were reported to be available in the vicinity of the Site in the EDR Historic Map Collection for the years 1909, 1915, 1919, 1924, 1950, and 1970. Maps are included in Appendix E.

1909: 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 northwest of the Site.

1915: The 1915 Sanborn® Map depicts 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.

1919: The 1919 Sanborn® Map depicts seven additional residential garages on the Site. No significant discernable changes are depicted on the surroundings properties from the 1915 Sanborn® Map.

1924: The 1924 Sanborn® Map depicts no significant discernable changes on the Site from the 1919 Sanborn® Map. The map depicts a filling station with two gasoline USTs approximately 125 feet west-southwest of the Site boundary. The cement block manufacturing building located east of the Site had been changed to a carpenter's shop.

1950: 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.

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1970: 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 was no longer depicted at the Site. There are no longer any residences or associated garages depicted on the Site. 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 had 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.

The 1924 Sanborn® Map depicts a filling station with two gasoline underground storage tanks (USTs) approximately 125 feet west-southwest of the Site boundary. Based on the date of the map and environmental database search findings, documentation regarding registration or closure of the USTs was not applicable or available. Therefore, the historic presence of USTs in close proximity to the Site represents a REC.

Topographic Maps

Topographic maps assist in the identification of regional land and development features. Topographic maps were obtained from EDR from 1907, 1943, 1952, 1968, 1973, 1983, and 1997 reviewed by EEC. Topographic maps are included in Appendix E. The following is a summary of EEC's interpretation of features observed on the historical topographic maps:

1907: The 1907 historic topographic map depicts the Site at an elevation of approximately 915 to 920 feet above mean sea level. The Site is depicted as vacant and undeveloped. Buildings are depicted north, east, south, and west of the Site. However, due to the small scale of the map, details on the Site and surrounding properties cannot be determined.

1943: The 1943 historic topographic map depicts no significant discernable details on the Site from the 1907 topographic map. Commercial development was depicted southeast and southwest of the site.

1952: The 1952 historic topographic map depicts no significant discernable changes on the Site and surrounding properties from the 1943 historic topographic map. Two main roads named Perry Street and Mount Clemens Street were depicted to the west and southeast of the Site, respectively.

1968: The 1968 historic topographic map depicts no significant discernable changes on the Site from the 1952 historic topographic map. However, due to the small scale of the map, details of the Site could not be determined. New commercial development had occurred further southwest of the Site. A road depicted as M-59 was constructed west of the Site running south to northwest.. Mount Clemens Street had been renamed to University Drive, located south of the Site.

1983: The 1983 historic topographic map depicts no significant discernable changes on the Site and surrounding properties from the 1968 historic topographic map. However, due to the small scale of the map, details of the surroundings properties and the Site could not be determined

1997: The 1997 historic topographic map depicts no significant discernable changes on the Site and surrounding properties from the 1983 historic topographic map.

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No RECs or other environmental issues were noted in association with historical topographic maps of the Site.

Aerial Photographs

Aerial photographs assist in the identification of Site features and outdoor activities of potential environmental concern. Aerial photographs were obtained from EDR and Terraserver. Aerial photographs for the years 1940, 1957, 1964, 1972, 1980, 1993, 1999, 2000 and 2002 were reviewed by EEC and are included in Appendix E. The following is a summary of EEC's interpretation of features observed on the aerial photographs:

- 1940: The 1940 aerial photograph depicts approximately seven residences on the Site. Vacant and undeveloped land is depicted northeast and east of the Site. Commercial development was depicted southwest of the Site. Residential development was depicted north of the Site.
- 1957: The 1957 aerial photograph depicts the existing Site building surrounded by an asphalt paved parking lot at the Site. The 1957 aerial photograph depicts no significant discernable changes on the surrounding properties from the 1940 aerial photograph.
- 1964: The 1964 aerial photograph depicts no significant discernable changes on the Site. M-59 was constructed east of the Site running south to northwest. No other significant discernable changes were depicted on the surrounding properties from the 1957 historic aerial photograph.
- 1972: The 1972 aerial photograph depicts no significant discernable changes on the Site and surrounding properties from the 1964 aerial photograph.
- 1980: The 1980 aerial photograph depicts no significant discernable changes on the Site and surrounding properties from the 1972 aerial photograph.
- 1993: The 1993 aerial photograph depicts no significant discernable changes on the Site and surrounding properties from the 1980 aerial photograph.
- 1999: The 1999 aerial photograph depicts no significant discernable changes on the Site and surrounding properties from the 1993 aerial photograph.
- 2000: The 2000 aerial photograph depicts no significant discernable changes on the Site and surrounding properties from the 1999 aerial photograph.
- 2002: The 2002 aerial photograph depicts no significant discernable changes on the Site and surrounding properties from the 2000 aerial photograph.

No RECs or other environmental issues were noted in association with historic aerial photograph review of the Site.

2.1.19 Regional Geology

Information regarding the regional geology in the Site vicinity was obtained from the Geoscheck® Addendum to the EDR Radius Map Report and previous investigations. The Site is located

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approximately 918 feet above mean sea level. The topographic gradient in the area surrounding the Site slopes gradually to the southeast.

EDR regional data indicates that the surface soil texture in the area of the Site is variable consisting of loamy sand, sandy loam, silt loam and muck. The soil component name is Urbanland. Soils do not meet the requirements for a hydric soil. Soil drainage information was not reported. EDR describes regional shallow soil types as loamy sand. Soils encountered during previous investigations consisted primarily of brown sandy clay. EDR describes regional deeper soil types as fine sand, stratified and muck. Underlying the surface, shallow, and deeper soils are the bedrock deposits classified as Paleozoic Era, Mississippian System, and Osagean and Kinderhookian Series.

2.1.20 Regional Hydrogeology

Information regarding the regional hydrogeology of the Site vicinity was obtained from the Geocheck Addendum to the EDR Radius Map Report and previous investigations. AQUIFLOW information was available within 1 mile of the Site. The EDR GeoCheck Addendum provided information on several data sets of hydrogeologic information available within one mile of the Site. According to three AQUIFLOW points, the depth to a sustained groundwater table in the vicinity of the Site is approximately 36 to 46 feet below ground level. However, during previous subsurface investigations groundwater was not encountered down to 48 feet below ground level at the Site. Based on the area topography and nearby surface water bodies, the groundwater flow direction is likely to the southeast. However, localized groundwater flow direction may vary based on several factors. A hydrogeologic investigation would be required to make a more definitive determination of the localized groundwater flow direction.

2.1.21 Previous Investigations

EEC reviewed the following previous investigative report relevant to the Site:

- Enkon Environmental Services, Inc. Subsurface Soils Investigation, GMC Truck Plant #13, 65 University Drive, Pontiac, Michigan 48342; April 22, 1992.
 - The purpose of the subsurface investigation was to further delineate the extent of detectable constituents at the Site in the vicinity of the former gasoline UST and former spill UST, which had formerly collected waste oils.
 - On April 7, 1992, nine soil boring borings (B-1 through B-9) were installed in the vicinity of the two former UST locations. Four of the nine soil borings were advanced to a depth of approximately 15 feet bgl. Four additional soil borings were advanced to a depth of approximately 12 feet bgl. One additional soil boring was installed to determine the vertical extent of any remaining gasoline constituents. Groundwater was not encountered in this investigation. Soil samples were collected and analyzed for BTEX and lead. Soil sample B-1, which was installed in the vicinity of the former spill UST, detected benzene and lead at concentrations of 170 µg/kg and 1,500 µg/kg, respectively. Benzene, toluene, and xylene were detected at concentrations of 281 µg/kg, 891 µg/kg, and 319 µg/kg, respectively, in B-5, which was installed in the vicinity of the former gasoline UST. The detections of benzene in B-1 and B-5 exceeded the Michigan Act 307 Type B 20 Drinking Water Cleanup Criteria. BTEX was not detected in soil samples B-2 through B-4 and B-6 through B-9. Lead was detected in borings B-6 at 850µg/kg, B- 7 at 2,200 µg/kg, B-8 at 1,400 µg/kg and B-9 at 1,600 µg/kg.

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- Pickering Environmental Consultant, Inc. (PECI), Report of Findings GM North America Platform Engineering Facility-Plant #13, 65 University Drive, Pontiac, Michigan 48342; February 22 1993.
 - On January 7, 1993, PEGI was onsite to install six soil borings in the vicinity of the two former USTs. However, only two of the six soil borings were advanced in the vicinity of the former spill UST (SB #1 and SB#2). A soil sample was collected from 14 to 16 bgl in SB #1 and analyzed for BTEX. All BTEX constituents were below the laboratory analytical detection limits in soil sample SB #1. Soil boring SB #2 was advanced to a total depth of eleven feet bgl. At approximately seven feet bgl, a petroleum odor was detected in the soil of SB #2. Two soil samples were collected from SB #2 and analyzed for BTEX constituents. All BTEX constituents were detected in the two soil samples (PTI-02-1 and PTI-02-2) collected from SB #2. In the 7 to 9 foot bgl interval, benzene was detected at a concentration of 730 µg/kg, and was the only constituent exceeding Michigan Act 307 Type B 20X Drinking Water Cleanup Criteria. In the 9 to 11 foot interval, benzene and ethylbenzene were detected in soil at concentrations of 850 ug/kg and 2,000 µg/kg, both exceeding the Michigan Act 307 Type B 20X Drinking Water Cleanup level. PEGI concluded that further subsurface investigation would be required.
- RMT Inc., Hydrogeologic Investigation Work Plan, General Motors Truck and Bus Group – Engineering Truck Plant #13, Underground Storage Tank Release #15260, 65 University Drive, Pontiac, Michigan 48342; April 1993.
 - RMT, Inc. was retained to prepare a final work plan to determine the horizontal and vertical extent of the contaminated soils at the Site. RMT, Inc. proposed one soil boring down to 15 feet bgl to define the horizontal extent in the vicinity of the former gasoline UST; three soil borings down to 15 feet bgl to define the horizontal extent along the sewer line backfill; and one soil boring down to 20 feet bgl to determine if soils under the building could be impacted. Based on the results of the soil boring data, RMT, Inc. would determine if observation wells would be needed. RMT, Inc. proposed an observation well upgradient, downgradient, and adjacent to the release area, for a total of three wells. If the initial three wells were not able to delineate the horizontal and vertical extent of gasoline-impacted groundwater, additional wells would be drilled as needed.
- Conestoga-Rovers and Associates (CRA), Site Investigation Work Plan Pontiac Truck Engineering Center (Plant 13) Site, 65 University Drive, Pontiac, Michigan 48342; August 2, 1993.
 - CRA was retained to address outstanding environmental issues regarding the impact to soil associated with the two former USTs at the Site. The work plan was prepared in April 1993 and submitted to MDEQ in August 1993. The MDEQ was subsequently notified by GM that the Work Plan was reissued in February 1995 to reflect changes in Act 307 rules and was resubmitted to MDEQ. CRA proposed the installation of two soil borings to a depth of approximately 50 feet bgl, one near each of the former UST locations. Continuous split-spoon sampling would be conducted to further define the geology and determine the presence or absence of groundwater. Samples collected from the boreholes would be analyzed for BTEX and lead. CRA proposed the installation of one borehole to a depth of 18 feet bgl in the vicinity of PEGI's SB #2 soil boring location and the collection of a soil sample to be analyzed for target compound list/target analyte list (TCL/TAL). CRA also proposed the installation of one boring near the existing sewer, downstream of the UST areas. Two samples would be collected at depths of approximately 3 and 5 feet bgl and analyzed for BTEX and lead to determine whether the sewer bedding and underlying soils had been impacted.

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- Conestoga-Rovers and Associates (CRA), Leaking Underground Storage Tank Release Closure Report, 65 University Drive, Pontiac, Michigan 48342; December 28, 1995.
 - CRA provided background information on the removal of the USTs. Inland Waters removed the two 1,000-gallon USTs and an associated gasoline dispenser in December 1990. No holes, odors, or visible contamination was documented during removal activities. The USTs were located and removed from approximately 14 feet bgl. Confirmation samples were collected and analyzed for BTEX, TPH, and PAHs. The excavations were then backfilled with sandy soil and paved. Analytical results identified two samples containing BTEX constituents at concentrations exceeding MDEQ's Act 307 Type A background levels. PAHs and TPH were not detected above the laboratory analytical detection limits in any of the samples. The MDEQ concluded that since the levels of BTEX concentrations were above Type A levels, residential closure was recommended and the Site should be treated as a LUST Site, requiring retention of discrete sidewall samples from the excavations. On June 7, 1991 a release from the two USTs was reported to MDEQ as a LUST case.
 - CRA prepared this Release Closure Report to address the closure of two leaking USTs at the Site. Nine soil samples were collected from four boreholes and analyzed for BTEX, lead, TCL VOC, TAL Metals, TCL PCB/Pesticides, TCL SVOC, TCL VOC, and TAL Metals. On March 16 and 17, 1995, four boreholes, BP-PH13-1 through 4, were installed. Continuous split spoon sampling was conducted and the collected samples were subjected to visual and olfactory observations and headspace screening with a PID. Boreholes BH-P13-1 and -2 were installed to a depth of approximately 48 feet bgl. Boreholes BH-PH13-1 and -2 were located near each of the two former UST locations. Three soil samples were collected from each borehole. Soil samples were collected from BH-P13-1 at 0-2 feet bgl, 16-18 feet bgl and from BH-P13-2 at 2-4 feet bgl, 16-18 feet bgl, and 40-42 feet bgl. Collected samples were analyzed for BTEX and Lead. BTEX and lead were not detected above the Michigan Tier 1 Residential Direct Contact Criteria for soil. Borehole BH-PH13-3 was installed to a depth of approximately 18 feet bgl. Two soil samples were collected at 2-4 feet bgl and 14-16 feet bgl. Collected samples were analyzed for pesticides, PCBs, and TCL VOC. Except for arsenic, no parameters were detected above the Michigan Tier 1 Residential Direct Contact Criteria for soil or the Michigan Generic Cleanup Criteria in BH-PH13-3. Arsenic was detected at a concentration of 13 mg/kg in BH-PH13-3 at 2-4 feet bgl. This concentration exceeded the Michigan Generic Residential Cleanup Criteria, however, it is close to the background for arsenic in Erie Lobe clays (11 mg/kg) and was not considered to be associated with the former USTs. Borehole BH-PH13-4 was installed to a depth of approximately 5 feet bgl. One soil sample was collected at 0-2 feet bgl and analyzed for BTEX and lead. BTEX and lead were not detected above the Michigan Tier 1 Residential Direct Contact Criteria for soil. No groundwater was encountered at the Site to a depth of 48 feet bgl. Based on the geology of the area, CRA concluded that it was not expected that offsite soil or groundwater was impacted by the release. CRA concluded that the release had been remediated to current Michigan Residential Criteria and no exposure pathways were identified.
- The Traverse Group, Asbestos Survey Report, Pontiac Centerpoint Campus West, Employee Development Center, Building 13 – Pontiac, Michigan; December 27, 2004.
 - On May 21, 2004, the Traverse Group performed bulk sampling from homogeneous materials identified within the building. Thirty-six samples were taken from eleven homogenous materials which included white and red floor tiles, black and brown mastic, ceiling tiles, and wall boards. Samples were analyzed for presence of asbestos. Only one of the homogenous materials, 12" x 12" red floor tile in the auditorium on the first floor,

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tested positive for asbestos content. The red floor tiles were identified as containing 10% asbestos. According to the project specifications, certain materials were identified as suspect asbestos containing materials until sampling could be performed in the future. Materials located in areas where sampling could have disrupted plant operations were also identified as suspect asbestos containing materials. The following materials were identified as suspect containing materials or could not be sampled:

- All mudded joints on fiberglass straight pipe
- All non-fiberglass straight pipe insulation and associated fittings
- HVAC fiberglass blanket with canvas and paper backing

The asbestos survey identified suspect asbestos containing material (ACM) in Mag Type Straight and fittings insulation of the steam system throughout the building. The asbestos survey identified suspect friable ACM in mud fitting on Aircell type insulation of the steam system in the first floor. The survey also identified suspect friable ACM in the fiberglass blanket backing the HVAC system and in drywall and mud on the walls throughout the basement. The survey also identified suspect friable ACM in mud fittings on Millboard insulation of the steam system and on the domestic hot water and mud fittings fiberglass line throughout the second floor.

Historical RECs associated with the former gasoline UST and associated dispenser, and former spill UST are described in Section 2.1.3. Other environmental issues associated with confirmed and suspect ACM are described in Section 2.1.8.

The previous reports are referenced in Section 5.0 and in Appendix F.

2.2 FEDERAL, STATE, AND LOCAL AGENCY FILE REVIEW

2.2.1 Environmental Database Search

EEC contracted Environmental Data Resources, Inc. (EDR) to conduct a search of federal and state environmental databases. Based on the Site address, the database searches were completed to assist in the identification of conditions at the Site. The complete EDR Radius Map Report is attached as Appendix D. The following is a list of databases reviewed and respective search distances from the center of the Site:

FEDERAL DATABASES

- National Priority List (NPL) – 1 mile
- Proposed NPL – 1 mile
- Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS) – 0.5 mile
- CERCLIS – No Further Remedial Action Planned (CERCLIS-NFRAP) – 0.25 mile
- Corrective Action Reports (CORRACTS) – 1 mile
- Resource Conservation and Recovery Information System permitted treatment, storage, and disposal facilities (RCRIS-TSD) – 0.5 mile
- RCRIS small/large quantity generators of hazardous waste (RCRIS-SQG/RCRIS-LQG) – 0.25 mile
- Emergency Response Notification System (ERNS) – Target property
- Superfund (CERCLA) Consent Decrees (CONSENT) – 1 mile
- Records of Decision (ROD) – 1 mile
- Delisted NPL Sites – 1 mile
- Facility Index System (FINDS) – Target Property

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- Hazardous Materials Information Reporting System (HMIRS) – Target Property
- Material Licensing Tracking System (MLTS) – Target Property
- Mines Master Index File (MINES) – 0.25 mile
- NPL Liens – Target Property
- PCB Activity Database System (PADS) – Target Property
- Open Dump Inventory (ODI) – 0.5 mile
- Uranium Mill Tailings Sites (UMTRA) – 0.5 mile
- Formerly Used Defense Sites (FUDS) – 1 mile
- Indian Reservations (INDIAN RESERV) – 1 mile
- US BROWNFIELDS – 0.5 mile
- Department of Defense Sites (DOD) – 1 mile
- RCRA Administrative Action Tracking System (RAATS) – Target Property
- Toxic Chemical Release Inventory System (TRIS) – Target Property
- Toxic Substances Control Act (TSCA) – Target Property
- FIFRA Section 7 Tracking Systems (SSTS) – Target Property
- FIFRA/TSCA Tracking System (FTTS) – Target Property

STATE/LOCAL DATABASES

- Michigan Department of Environmental Quality (MDEQ) Contaminated Sites List (SHWS)– 1 mile
- MDEQ Solid Waste Facilities Database (SWF/LF) – 0.5 mile
- MDEQ Leaking Underground Storage Tank Sites (LUST) – 0.5 mile
- MDEQ Underground Storage Tank Facility List (UST) – 0.25 mile
- MDEQ Baseline Environmental Assessment Database (BEA) – 0.5 mile
- MDEQ Inactive Solid Waste Facilities (HIST-LF) – 0.5 mile
- MDEQ Underground Storage Tanks on Indian Land (Indian UST) – 0.25 mile
- MDEQ Registered Aboveground Storage Tanks (AST) – Target Property
- Delisted List of Contaminated Sites (DEL SHWS) – 1 mile
- Pollution Emergency Alerting System (PEAS) – Target Property
- Dry Cleaning Establishments (DRYCLEANERS) – 0.250 mile

EDR PROPRIETARY HISTORICAL DATABASES

- Former Manufactured Coal Gas Sites (Coal Gas) – 1 mile

BROWNFIELDS DATABASES

- US BROWNFIELDS – 0.5 mile

OTHER DATABASES

- Federal Emergency Management Agency (FEMA) Flood Zone Data – 1.25 mile
- National Wetlands Inventory (NWI) – not available
- AQUIFLOW – 1 mile

Based on a review of the EDR database report, the Site was identified on the following listing:

- General Motors Truck and Bus Group Plant 13 is listed at 65 University Drive in Pontiac, Michigan 48342. The Site is listed on the LUST and UST databases. The facility's identification number is 00015260. The database reported the installation of two 1,000-gallon USTs containing an unknown product and one 1,000-gallon dilute sulfuric acid spill UST on April 4, 1950. The two 1,000-gallon unknown product USTs were removed from the ground on April 1, 1980 and April 6, 1986. The

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1,000-gallon spill UST was reportedly removed from the ground on December 18, 1990. Eleven additional 50-gallon hydraulic oil USTs were installed on April 4, 1978. The hydraulic oil USTs were listed as currently in use. A release was reported on June 7, 1991 and was closed on December 22, 1995. The content of the release was unreported.

Inclusion on database listings does not necessarily indicate the presence of a REC, and based on the information provided in the EDR report, no RECs or other environmental issues were identified in association with the Site. Historical RECs associated with the former gasoline UST and former spill UST are described in Section 2.1.3.

Based on review of the EDR database report, 33 mapped sites on 7 database listings were identified within one-mile of the subject property. The databases identified include: RCRA-SQG, FINDS, MLTS, BEA, SHWS, LUST, UST and DEL SHWS. The following listings were identified within 1 mile of the Site:

- Downtown Valet Cleaners is listed at 113 N Perry St in Pontiac, Michigan 48342, less than 0.125 miles west of the Site. The facility is listed on the RCRA-SQG and FINDS databases. The facility is listed as a small quantity generator with EPA identification number MIR000020537. No TSDF activities or violations were on record.
- Mobil Oil Corp SS C70 is listed at 590 East Wide Track in Pontiac, Michigan 48342, less than 0.125 miles east-southeast of the Site. The facility is listed on the RCRA-SQG and FINDS databases. The facility is listed as a small quantity generator with EPA identification number MID985615681. No TSDF activities or violations were on record.
- Ameritech-Pontiac Central Office is listed at 54 North Mill Street in Pontiac, Michigan 48342 between 0.125 and 0.25 miles south of the Site. The facility is listed on the LUST and UST databases with facility identification number 00011769. The facility had four 15,000-gallon kerosene USTs installed on May 8, 1969 and were removed from the ground on December 4, 5, and 8, 1997. Two 10,000-gallon kerosene USTs were installed on January 1, 1998 and are currently in use. A release of kerosene was reported on December 30, 1997 (spill number C-1291-97) and was closed on May 26, 1998.
- Michigan Bell Telephone Company is listed at 54 North Mill Street in Pontiac, Michigan 48342, between 0.125 and 0.25 mile south of the Site. The facility is listed on the RCRA-SQG and FINDS databases. The facility is listed as a conditionally exempt small quantity generator with EPA identification number MIT270012354. No TSDF activities or violations were on record.
- Mobil SS #03-C70 is listed at 590 Wide Track Drive East in Pontiac, Michigan 48342 between 0.125 and 0.25 mile north-northeast of the Site. The facility is listed on the LUST and UST databases with a facility identification number of 00003199. The facility status has been temporary out of service since March 6, 1986. Two 10,000-gallon and one 6,000-gallon gasoline USTs were reported as being currently in use at the facility. One 50-gallon hydraulic oil UST was reported as being temporarily out of use at the facility. A release was reported in September 19, 1991 (spill number C-1932-91) and was closed on November 3, 1997. A second release was reported on July 18, 1997 (spill number C-1041-97) and was closed on November 3, 1997. A third release was reported on August 17, 2004 (spill number C-0354-04) and is currently open. A fourth release was reported on October 6, 2004 (spill number C-0438-04) and is currently open.
- POH Medical Center is listed at 50 North Perry Street in Pontiac, Michigan 48342 between 0.125 and 0.25 mile south of the Site. The facility is listed on the UST database with facility identification number 00039842. One 500-gallon diesel UST was installed on January 1, 1987 and

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removed from the ground on December 3, 1998. One 2,500-gallon diesel UST was installed on August 1, 1996 and was removed from the ground on June 2, 1999. One 500-gallon UST of unknown contents was removed from the ground on May 19, 2003.

- Pontiac Osteopathic Hospital Company is listed at 50 Perry Street in Pontiac, Michigan 48342, between 0.125 and 0.25 mile south of the Site. The facility is listed on the RCRA-SQG, MLTS and FINDS databases. The facility is listed as a small quantity generator with EPA identification number MID010870863. No TSD activities or violations were on record. The MLTS database indicates that license number 21-04081-03 was obtained on July 20, 2004 and will expire on February 28, 2014.
- Pontiac Police Department is listed at 110 East Pike Street in Pontiac, Michigan 48342, between 0.125 and 0.25 mile south-southeast of the Site. The facility is listed on the RCRA-SQG, and FINDS databases. The facility is listed as a small quantity generator with EPA identification number MIR00011577. No TSD activities or violations were on record.
- Police Department is listed at 110 East Pike Street in Pontiac, Michigan 48342 between 0.125 and 0.25 mile south-southeast of the Site. The Site is listed on the UST database with facility identification number 00036420. One 10,000-gallon gasoline UST was installed on October 1, 1993 and is currently in use. The database reported the presence of a non-registered UST. The contents, capacity, installation or removal dates were not reported.
- City of Pontiac is listed at 47450 Woodward in Pontiac, Michigan 48342, between 0.125 and 0.25 mile south-southeast of the Site. The facility is listed on the RCRA-SQG database. The facility is listed as a small quantity generator with EPA identification number MIK528678519. No TSD activities or violations were on record.
- Pontiac Fire #1 is listed at 123 East Pike Street in Pontiac, Michigan 48342, between 0.125 and 0.25 mile southeast of the Site. The facility is listed on the UST database with a facility identification number of 00007474. Two 550-gallon diesel USTs were installed on March 17, 1961 and removed from the ground on April 10, 1999. One 4,000-gallon diesel UST is currently in used at the facility.
- City of Pontiac is listed at 123 East Pike Street in Pontiac, Michigan 48342, between 0.125 and 0.25 mile southeast of the Site. The facility is listed on the RCRA-SQG database. The facility is listed as a small quantity generator with EPA identification number MIP20000567. No TSD activities or violations were on record.
- Oakland Press and Reminder is listed at 48 West Huron Street in Pontiac, Michigan 48342, between 0.125 and 0.25 mile west-southwest of the Site. The facility is listed on the RCRA-SQG and FINDS databases. The facility is listed as a conditionally small quantity generator with EPA identification number MID005319884. No TSD activities were on record. One generator-other requirements violation was determined on February 27, 1995. A written informal action was enforced and compliance was achieved on May 31, 1995. An additional generator-manifest requirements violation was determined on February 27, 1995. A written informal action was enforced and compliance was achieved on May 31, 1995.
- City of Pontiac is listed at Saginaw and Pike Street in Pontiac, Michigan 48342, between 0.125 and 0.25 mile south-southwest of the Site. The facility is listed on the RCRA-SQG database. The facility is listed as a small quantity generator with EPA identification number MIK334167673. No TSD activities or violations were on record.

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- Vorhees Siple Funeral Home is listed at 268 North Perry Street in Pontiac, Michigan 48342 between 0.25 and 0.50 mile north of the Site. The Site is listed on the LUST and UST databases with facility identification number 00004658. One 1,000-gallon gasoline UST was installed on January 1, 1955 and removed from the ground on April 19, 2000. A release was reported on April 19, 2000 (spill number C-0400-00) and is currently open.
- Charter One Bank, F.S.B. is listed at 71-75 West Huron Road in Pontiac, Michigan 48342 between 0.25 and 0.50 mile west-southwest of the Site. The facility is listed on the BEA database. A BEA was received by the MDEQ on August 13, 1996 for different hazardous substances. Requests for a petition determination and a Part 20107A determination were affirmed.
- Oak Hill Cemetery is listed at 21 University Drive in Pontiac, Michigan 48342 between 0.25 and 0.50 mile east-northeast of the Site. The Site is listed on the LUST and UST databases with facility identification number 00008814. One 1,000-gallon gasoline UST was installed on January 1, 1987 and was removed from the ground on February 16, 1999. A release was reported on April 23, 1999 (spill number C-0139-99) and was closed on August 6, 1999.
- OIC of Oakland County is listed at 62-64 West Lawrence Street in Pontiac, Michigan 48342 between 0.25 and 0.50 miles southwest of the Site. The facility is listed on the LUST and UST databases with facility identification number 00039681. The database reported the removal of four 1,000-gallon gasoline USTs and one 500-gallon used oil UST on April 8, 1988. A release was reported on March 26, 1998 (spill number C-0233-98) and was closed on May 13, 1998.
- Michigan National Corporation is listed at 40 West Pike Street in Pontiac, Michigan 48342 between 0.25 and 0.50 miles southwest of the Site. The facility is listed on the LUST, BEA, and UST databases. A BEA was received by the MDEQ on November 19, 1999 for different hazardous substances. There was no request for a petition determination and a Part 20107A determination. An additional BEA was received by the MDEQ on April 6, 2000 for different hazardous substances. A BEA was received by the MDEQ on October 26, 1998, for different hazardous substances. A petition determination was denied and a Part 20107A determination is pending. The facility had two 1,000-gallon gasoline USTs removed from the ground on March 7, 2000. A release was reported on October 13, 1999 (spill number C-0219-00) and is currently open.
- 40 West Pike Street, L.L.C. is listed at 40 West Pike Street in Pontiac, Michigan 48342 between 0.25 and 0.50 mile southwest of the Site. The facility is listed on BEA database. The facility is listed on the BEA database as having submitted BEA number 1268. A BEA was received by the MDEQ on December 28, 2000 for different hazardous substances. No requests for a petition determination and a Part 20107A determination were reported.
- Oakland Auto Supply is listed at 50606 Woodward Avenue in Pontiac, Michigan 48342, between 0.25 and 0.50 mile southwest of the Site. The facility is listed on the RCRIS-SQG, LUST, UST and FINDS databases. The facility is listed as a small quantity generator with EPA identification number MID017317975. No TSDF activities or violations were on record. The LUST Facility ID is 00035270. The facility had four 2,000-gallon gasoline USTs removed from the ground on April 8, 1992. A release was reported on March 17, 1992 (spill number C-10424-92) and was closed on November 13, 1995.
- Salvation Army Adult Rehabilitation is listed at 117 West Lawrence Street in Pontiac, Michigan 48342, between 0.25 and 0.50 mile southwest of the Site. The facility is listed on the LUST and UST databases with facility identification number 00003795. The facility had one 2,000-gallon gasoline UST and one 500-gallon gasoline UST removed from the ground on May 16, 1991. A release was reported on December 28, 1990 (spill number C-2796-90) and is currently open.

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- Gordon Automotive is listed at 200 North Paddock Street in Pontiac, Michigan 48342, between 0.25 and 0.50 mile east-northeast of the Site. The facility is listed on the LUST and UST databases. The facility had two 1,000-gallon diesel USTs, one 6,000-gallon gasoline UST, and one 550-gallon used oil UST removed from the ground on September 11, 1992. A release was reported on September 9, 1992 (spill number C-1561-92) and was closed on March 1, 1996.
- Former Forters Auto Wash is listed at 149 West Huron Street in Pontiac, Michigan 48342, between 0.25 and 0.50 mile west-southwest of the Site. The Site is listed on the LUST database. A release was reported on August 13, 1997 (spill number C-0698-97) and is currently open.
- City of Pontiac/Parcel 63 is listed at 87 Orchard Lake Road in Pontiac, Michigan 48341 between 0.25 and 0.50 mile south-southwest of the Site. The facility is listed on the BEA database. The facility is listed on the BEA database as having submitted BEA number 223. A BEA was received by the MDEQ on November 26, 1996 for different hazardous substances. No requests for a petition determination and a Part 20107A determination were reported.
- Parcel 62 is listed at 93 Orchard Lake Road in Pontiac, Michigan 48341, between 0.25 and 0.50 mile south-southwest of the Site. The facility is listed on the LUST and UST databases. The database reported the removal of two 550-gallon USTs of an unknown product on April 14, 1997. A release was reported on April 14, 1997 (spill number C-0231-97) and is currently open.
- C. Lane Mally, L.L.C. is listed at 109 North Cass Avenue in Pontiac, Michigan 48342 between 0.25 and 0.50 mile west of the Site. The facility is listed on BEA database. The facility is listed on the BEA database as having submitted BEA number 720. A BEA was received by the MDEQ on September, 1998 for different hazardous substances. A petition determination is affirmed and a Part 20107A determination was not reported.
- GM Truck and Bus East at 31 East Judson Street in Pontiac, Michigan 48342, between 0.25 and 0.50 mile south of the Site. The facility is listed on the LUST database. A release was reported on November 18, 1998 (spill number C-0677-85) and was closed on September 18, 1995.
- Rick Gas Station/Joseph Lee Est is listed at 157 Auburn Avenue in Pontiac, Michigan 48346, between 0.25 and 0.50 mile southeast of the Site. The facility is listed on the LUST and UST databases. The facility had two 6,000-gallon gasoline USTs and one 10,000-gallon gasoline UST removed from the ground on January 2, 1993. A release was reported on January 14, 1993 (spill number C-0082-93) and is currently open.
- Vacant Lot is listed at 147 South Saginaw Street in Pontiac, Michigan 48302, between 0.25 and 0.50 mile south of the Site. The facility is listed on the LUST and UST databases. The facility had two 550-gallon USTs of an unknown product removed from the ground on May 1, 1998. A release was reported on October 15, 1996 (spill number C-0824-96) and was closed on April 9, 1998.
- Pontiac Public School Academy is listed at 140 North Cass in Pontiac, Michigan 48342 between 0.25 and 0.50 mile west-northwest of the Site. The facility is listed on BEA database. The facility is listed on the BEA database as having submitted BEA number 1597. A BEA was received by the MDEQ on January 4, 2002 for different hazardous substances. No requests for a petition determination and a Part 20107A determination were reported.
- Baypon Academy Leasing L.L.C. is listed at 87 Orchard Lake Road in Pontiac, Michigan 48342 between 0.25 and 0.50 mile west-northwest of the Site. The facility is listed on BEA database. The

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facility is listed on the BEA database as having submitted BEA number 1489. A BEA was received by the MDEQ on September 11, 2001 for different hazardous substances. No requests for a petition determination and a Part 20107A determination were reported.

- Asphalt Specialist Inc. is listed at 1908 Wide Track Drive in Pontiac, Michigan 48342, between 0.50 and 1.0 mile south of the Site. The facility is listed on SHWS and DEL SHWS databases with facility identification number 63000153. The facility was listed as a priority site for cleanup on August 9, 1991 due to diesel contamination. The facility received a SAM cleanup score of 21 on August 9, 1991. The facility has been delisted from the SHWS database as it no longer meets criteria specified in rules.

EEC reviewed information on these and other mapped properties based on information provided in the EDR report, respective distances from the Site, and hydrological relationships with respect to the Site. Based on the review, the mapped facilities do not currently appear to present any RECs or other environmental issues relative to the Site.

A total of 7 unmapped or "orphan" facilities were identified in the vicinity of the Site in the EDR report. Based on available information, these sites do not currently appear to present any RECs or other environmental issues relative to the Site.

2.2.2 Regulatory Agency Contacts

Regulatory agencies were contacted for information regarding the Site. Regulatory correspondence is attached as Appendix B. The information obtained from the contacts is summarized in the following paragraphs.

- EEC faxed a request to the MDEQ, Waste and Hazardous Materials Division – Southeast District to obtain available information regarding former and existing USTs, hazardous waste inspections or violations, and any environmental non-compliance issues be sent on the Site. A response is pending.
- EEC faxed a request to the MDEQ, Remediation and Redevelopment Division – Southeast District to obtain available information regarding the Site's LUST case. The Site's facility ID is 00015260. A release occurred on June 7, 1991 and was closed on December 22, 1995. A response is pending.
- EEC contacted the City of Pontiac Department of Public Works/Engineering Division to inquire about discharge violations or sump inspections at the Site. A representative indicated that files were not available for review.

2.2.3 Water Well Survey

No groundwater wells, dry wells or monitoring wells were observed by EEC at the Site, listed at the Site in the EDR report, or stated to be present by Site personnel.

EEC conducted a records search of the Federal USGS, Federal Reporting Data System (FRDS) Public Water Supply (PWS) System, and State databases of wells located within approximately one mile of the Site. Ten Federal USGS wells were located between 0.125 to 1 mile north, east, south-southeast, south, south-southwest, and west-northwest of the Site. One Federal FRDS PWS was located 0 to 0.125 mile south-southwest of the Site. No State wells were located within one mile of the Site.

2.2.4 Utility Services

Electricity is provided to the Site by DTE and natural gas is provided to the Site by Consumers Energy. Water and sanitary sewer services are supplied by the City of Pontiac. Trash and recyclables are collected by Waste Management.

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3.0 CONCLUSIONS

Encore Environmental Consortium, LLC (EEC) has conducted a Phase I Environmental Site Assessment (ESA) of General Motors Corporation (GM) / United Auto Workers (UAW) Employee Development Center located at 65 East University Drive in Pontiac, Michigan (herein referred to as "the Site"). The purpose of the Phase I ESA was to identify and document the current and historical environmental conditions of the Site and the presence of substances which indicate an existing, past, or potential adverse environmental impact to the air, soil, groundwater, or surface waters as a result of operations on the Site and adjacent and surrounding properties, and which indicate that further investigation may be necessary to evaluate potential environmental liabilities associated with the Site.

This Phase I ESA was performed in general accordance with the American Society of Testing and Materials (ASTM) E 1527-00 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, and other client-specified requirements. The investigation was intended to identify Recognized Environmental Conditions (RECs) as defined by the ASTM E 1527-00 Standard.

A. RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has revealed evidence of the following RECs in connection with the Site:

- According to historical documentation, eleven underground hydraulic lifts were installed in 1978 in the first floor of the Site building. At the time of the Site reconnaissance, EEC observed four abandoned underground hydraulic lifts in the garage area of the Site building. Site personnel were unaware if the remaining seven underground hydraulic lifts were abandoned or removed from the ground. A former dynamometer pit was formerly located in the northwest corner of the first floor. At the time of the Site reconnaissance, locations of four abandoned or former underground hydraulic lifts and the former dynamometer pit were in classrooms with carpeted floors. Evidence of the remaining three underground hydraulic lifts in the auto maintenance lab room was not observed by EEC during the Site reconnaissance. Site personnel were unable to provide documentation regarding removal and/or abandonment dates or any sampling activities associated with removal and/or abandonment of the former lifts and the former dynamometer pit. Therefore, each of the eleven abandoned or former underground hydraulic lift locations and the former dynamometer pit represent RECs.
- 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 Site reconnaissance, the former location of the separator was covered with carpet and could not be observed. Site personnel were unable to provide documentation on the removal or abandonment of the oil/sand separator, and were unaware of its drainage destination. Therefore, the location of the former oil/sand separator represents a REC.
- EEC observed one floor drain in the air conditioning room on the second floor. EEC observed one floor drain in the auto maintenance lab room and one floor drain in the auto laboratory during the Site reconnaissance. According to Site personnel, these drains lead to a sump located in the boiler room of the basement, which was observed by EEC to be full of liquid during the Site reconnaissance. In addition, EEC observed one trench-style floor drain in the basement leading to an adjacent sump also observed by EEC to be full of liquids during the Site reconnaissance. According to Site personnel, drainage from the two sumps lead to the City of Pontiac's sanitary sewer system. The two sumps in the basement represent RECs.

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- The 1924 Sanborn® Map depicts a filling station with two gasoline underground storage tanks (USTs) approximately 125 feet west-southwest of the Site boundary. Based on the date of the map and environmental database search findings, documentation regarding registration or closure of the USTs was not applicable or available. Therefore, the historic presence of USTs in close proximity to the Site represents a REC.

B. HISTORICAL RECs

This assessment has revealed evidence of the following historical REC in connection with the Site:

- 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, respectively. Previous reports indicate that the former gasoline UST was closed in place and filled with sand in 1980. Inland Waters removed the two 1,000-gallon USTs and an associated gasoline dispenser in December 1990. Confirmation samples were collected and analytical results identified two samples containing benzene / toluene / ethylbenzene / xylenes (BTEX) constituents at concentrations exceeding Michigan Act 307 Type A background levels. The Michigan Department of Environmental Quality (MDEQ) concluded that since the levels of BTEX concentrations were above Type A levels, residential closure was recommended. On June 7, 1991 a release from the two USTs was reported to MDEQ as a leaking underground storage tank (LUST) case. On April 7, 1992, Enkon Environmental Services, Inc. (Enkon) performed a subsurface investigation in the vicinity of the two former UST locations. Benzene was detected in two of the soil samples at concentrations exceeding Michigan Act 307 Type B 20 Drinking Water Cleanup Criteria. On January 7, 1993, Pickering Environmental Consultants, Inc. (PECI) performed a subsurface investigation in the vicinity of the former spill UST (SB #1 and SB#2). Benzene and ethylbenzene were detected in one of the soil samples at a concentration exceeding Michigan Act 307 Type B 20X Drinking Water Cleanup Criteria. On March 16 and 17, 1995, Conestoga-Rovers & Associates (CRA) performed a subsurface investigation in the vicinity of the two former USTs. Except for arsenic, no parameters were detected above the Michigan Tier 1 Residential Direct Contact Criteria for soil or the Michigan Generic Cleanup Criteria in the soil samples. Arsenic was detected at a concentration close to the background level for arsenic in Erie Lobe clays (11 milligrams per kilogram [mg/kg]) and was not considered to be associated with the former USTs. CRA concluded that the release had been remediated to current Michigan Residential Criteria and no exposure pathways were identified. CRA submitted a closure report to the MDEQ for the two USTs, and the LUST case was closed by MDEQ on December 22, 1995. Accordingly, the former gasoline UST and associated dispenser, and former spill UST are considered historical RECs.

C. OTHER ENVIRONMENTAL ISSUES

In addition to the ASTM Standard, this assessment evaluated other client-specified criteria for the Site. The following other environmental issues were identified at the Site:

- An asbestos survey was not conducted as part of this Phase I ESA. A previous investigation confirmed that asbestos-containing material (ACM) exists in the Site building, which was constructed in the 1950s. On May 21, 2004, the Traverse Group performed bulk sampling from homogeneous materials identified within the building. Thirty-six samples were taken from eleven homogenous materials. Samples were analyzed for presence of asbestos. Only one of the homogenous materials, 12" x 12" red floor tile in the auditorium on the first floor, tested positive for asbestos content. The red floor tiles were identified as containing 10% asbestos. At the time of the Site reconnaissance, the red floor tiles appeared to be in good condition. The asbestos survey identified certain materials as suspect ACMs in areas where sampling could have

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disrupted plant operations. Identified suspect ACMs included all mudded joints on fiberglass straight pipe, all non-fiberglass straight pipe insulation and associated fittings, and HVAC fiberglass blanket with canvas and paper backing throughout the Site building. At the time of the Site reconnaissance, ACM stickers were observed on piping insulation throughout the Site building. According to Site personnel, there is no Operation and Maintenance Program (O&M) in place at the Site, which represents an other environmental issue. In addition, EEC observed exposed suspect ACM on piping insulation in the hallway of the first floor and damaged piping insulation in the boiler room of the basement and in the air conditioning room on the second floor, which represents an other environmental issue.

- A lead-based paint survey was not conducted as part of this Phase I ESA. Due to the construction date of the Site building (1950s) lead-based paint is potentially present. Site personnel had no knowledge of any lead-based paints being used at the Site. At the time of the Site reconnaissance, EEC observed peeling of paint in the hallway and staircase near the boiler room in the eastern portion of the basement, which represents a potential exposure issue. EEC observed no evidence or documentation indicating that potential lead-containing discarded painted materials from the eighteen former residences, nine former associated garages, and the former office building exist below the ground surface. Painted surfaces in the remainder of the Site building appeared to be in good condition at the time of the Site visit with no visible evidence of peeling or flaking. The potential presence of lead-based paint in the Site building is considered another environmental issue.

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4.0 QUALIFICATIONS AND LIMITATIONS

This Report was prepared pursuant to the agreement dated January 2, 2002 with Encore Environmental Consortium, LLC (“EEC”). All uses of this Report are subject to, and deemed acceptance of, the conditions and restrictions contained in the referenced Agreement. The observations and conclusions described in this Report are based solely on the scope of services provided pursuant to the Agreement. EEC has not performed any additional observations, investigations, studies, or other testing not specified in the Agreement. EEC shall not be liable for the existence of any condition the discovery of which would have required the performance of services not authorized under the Agreement.

This Report is prepared for the exclusive use of General Motors Worldwide Real Estate. Use of this Report by any person or entity other than General Motors Worldwide Real Estate shall be at such other person’s or entity’s sole risk, and shall be without legal exposure or liability to EEC.

This Report reflects site conditions observed and described by records available to EEC as of the date of the Report. The passage of time may result in significant changes in site conditions or technology which could alter the findings and/or recommendations of the Report. Accordingly, EEC shall bear no liability for deviations from observed conditions or available records after the date of the Report.

EEC shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld or not fully disclosed at the time the assessment was conducted.

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Alex Rothchild
LFR
Sep 10, 2009 15:58

5.0 REFERENCES

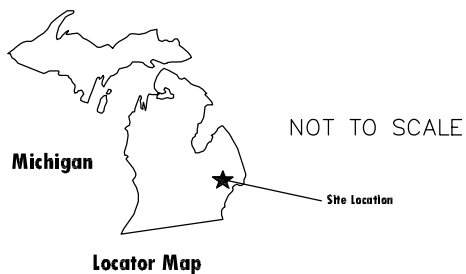
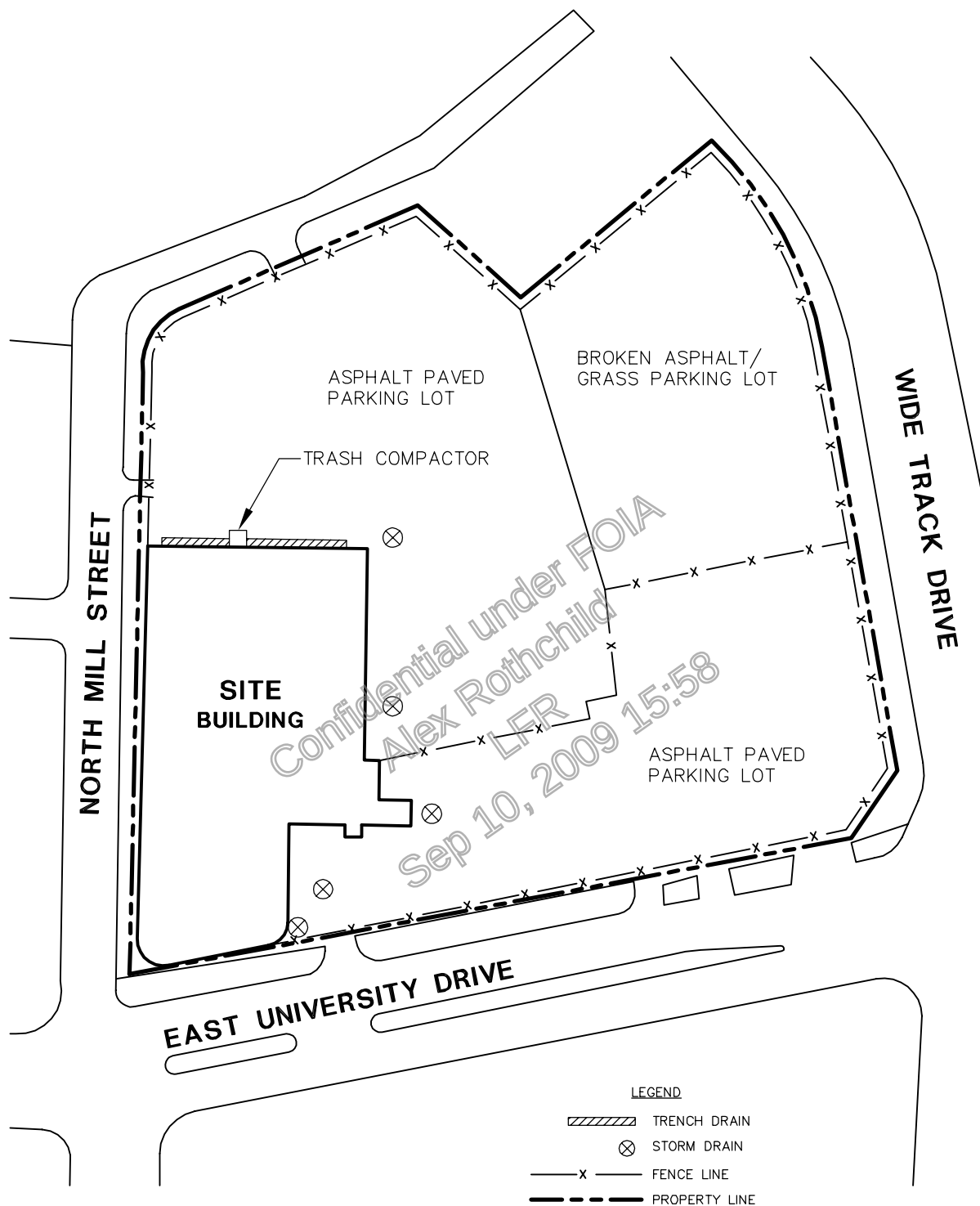
1. Enkon Environmental Services, Inc. Subsurface Soils Investigation, GMC Truck Plant #13, 65 University Drive, Pontiac, Michigan 48342; April 22, 1992.
2. Pickering Environmental Consultant, Inc. (PECI), Report of Findings GM North America Platform Engineering Facility-Plant #13, 65 University Drive, Pontiac, Michigan 48342; February 22 1993.
3. RMT Inc., Hydrogeologic Investigation Work Plan, General Motors Truck and Bus Group – Engineering Truck Plant #13, Underground Storage Tank Release #15260, 65 University Drive, Pontiac, Michigan 48342; April 1993.
4. Conestoga-Rovers and Associates (CRA), Site Investigation Work Plan Pontiac Truck Engineering Center (Plant 13) Site, 65 University Drive, Pontiac, Michigan 48342; August 2, 1993.
5. Conestoga-Rovers and Associates (CRA), Leaking Underground Storage Tank Release Closure Report, 65 University Drive, Pontiac, Michigan 48342; December 28, 1995.
6. The Traverse Group, Asbestos Survey Report, Pontiac Centerpoint Campus West, Employee Development Center, Building 13 – Pontiac, Michigan; December 27, 2004.

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APPENDIX A

Figures

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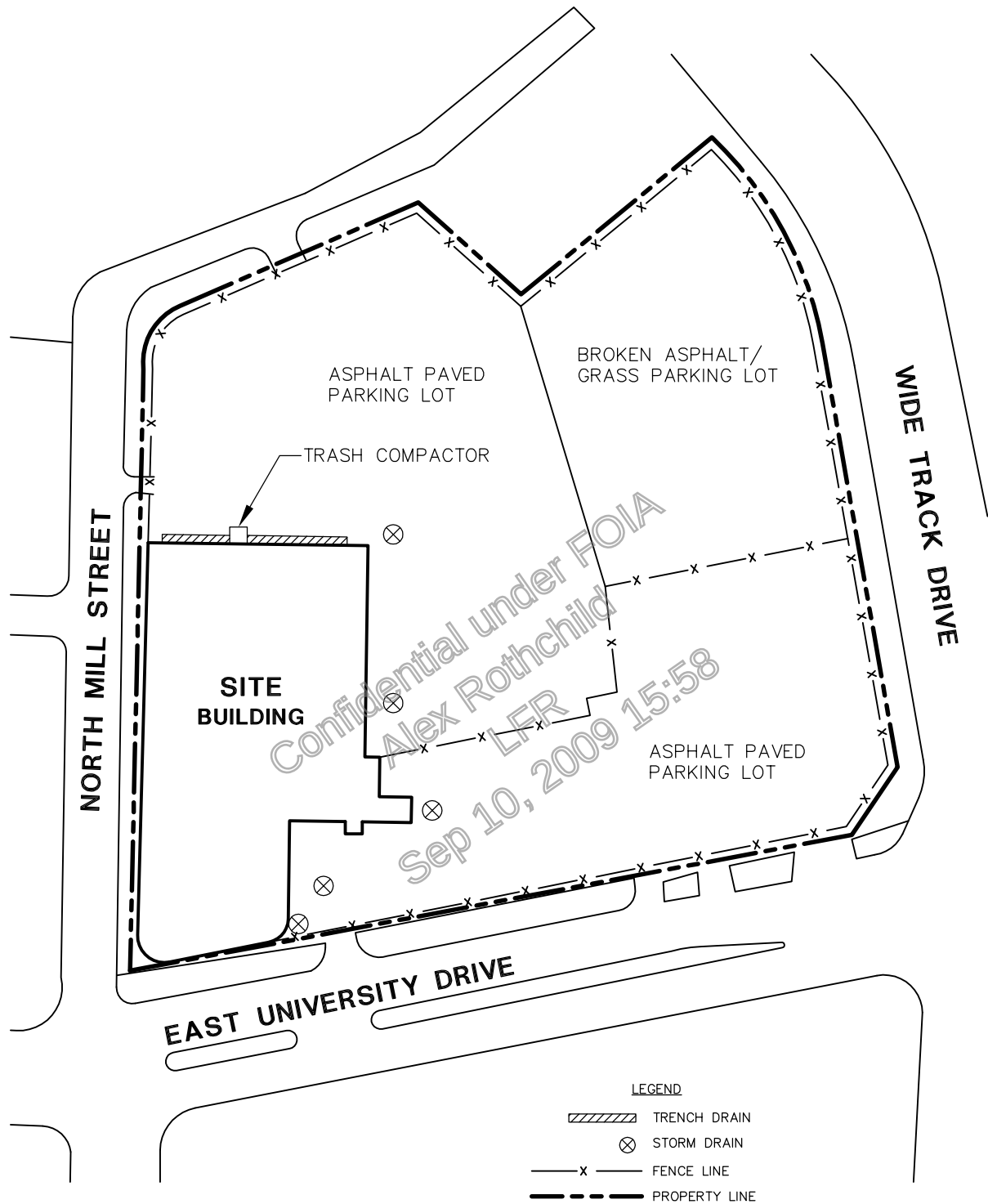
Employee Development Center
65 East University Drive
Pontiac, MI 48342

SITE MAP



FIGURE

1



Michigan

NOT TO SCALE

Site Location

Locator Map



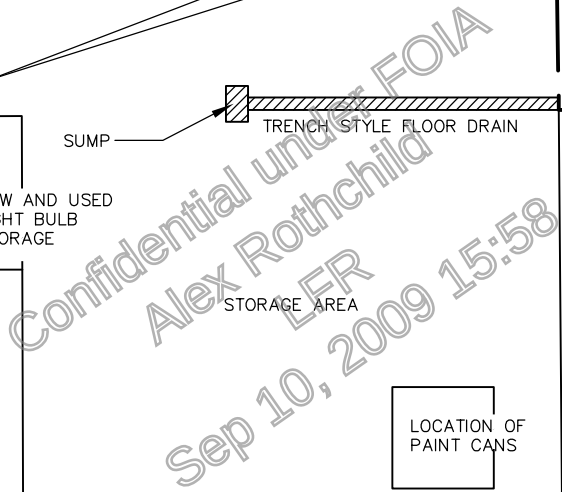
Employee Development Center
65 East University Drive
Pontiac, MI 48342

SITE MAP

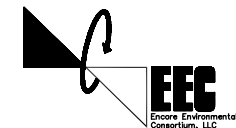


FIGURE

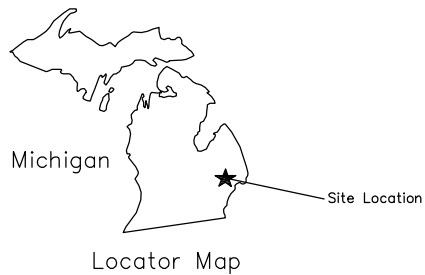
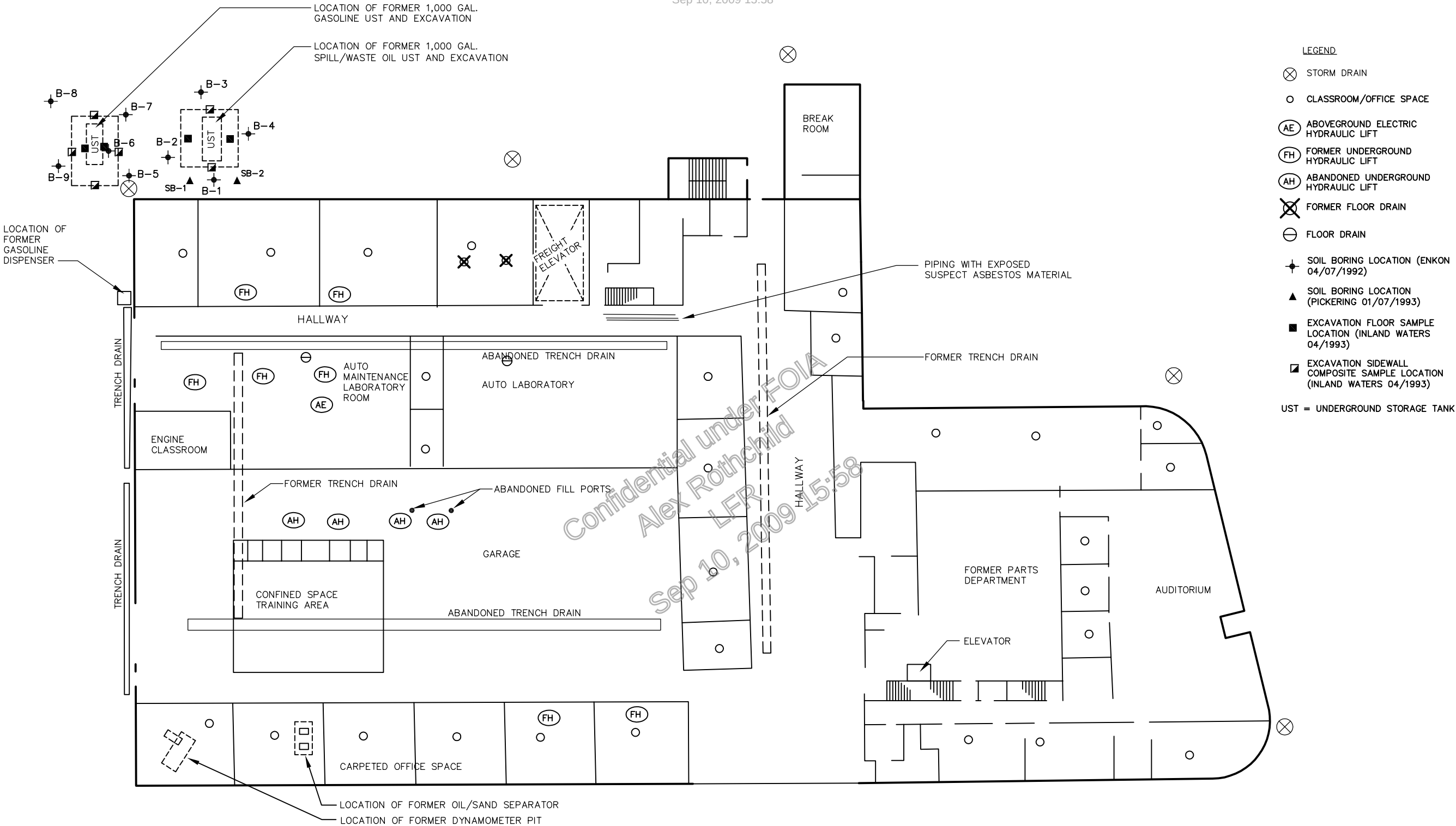
2



SITE MAP-BASEMENT



2A

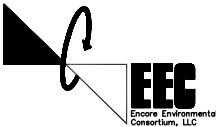


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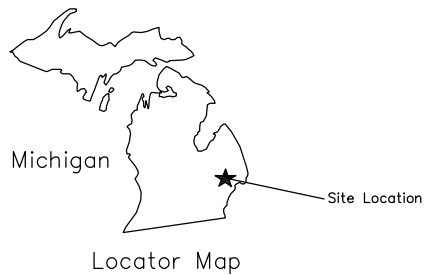
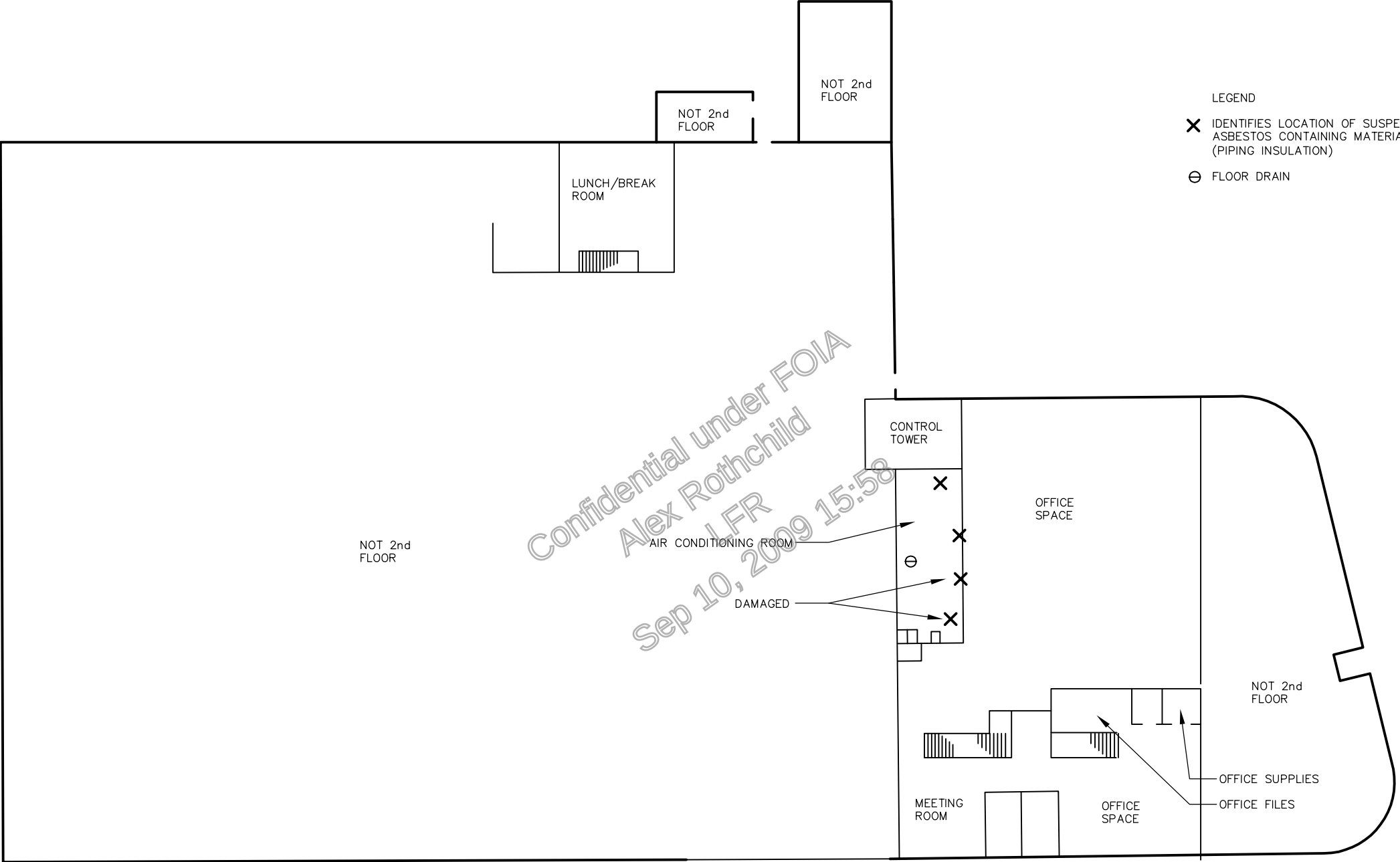
Employee Development Center
65 East University Drive
Pontiac, MI 48342

SITE MAP-FIRST FLOOR



FIGURE

2B

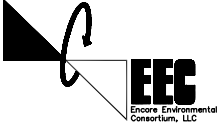


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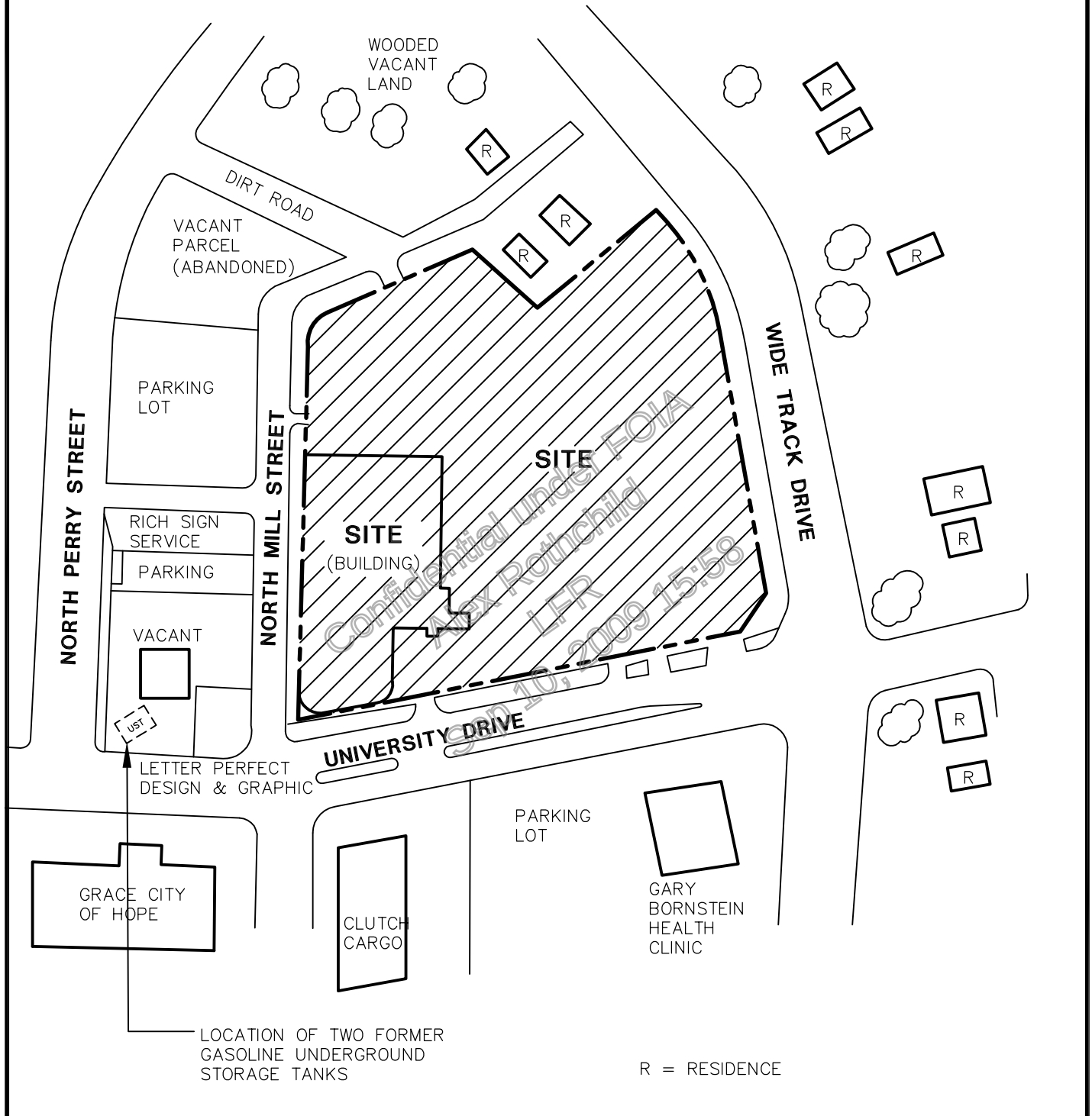
Employee Development Center
65 East University Drive
Pontiac, MI 48342

SITE MAP-SECOND FLOOR



FIGURE

2C



NOT TO SCALE



Locator Map

Employee Development Center
65 East University Drive
Pontiac, MI 48342

SURROUNDING PROPERTIES MAP



EEC
Enclave Environmental
Consortium, LLC

FIGURE

3

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APPENDIX B

Contacts and Correspondence

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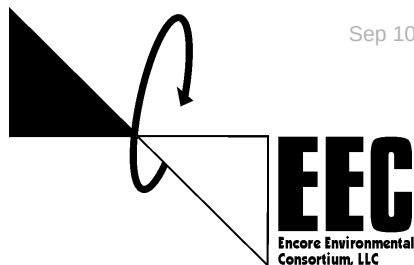


**Employee Development Center
65 East University Drive
Pontiac, Michigan**

Contact List

06/27/05

NAME	FIRM / ADDRESS	TITLE	PHONE / FAX	E-MAIL
Jess Tandoc	Employee Development Center 65 E. University Drive Pontiac, MI	Site Contact	248-874-3745	---
Butch Christian	Employee Development Center 65 E. University Drive Pontiac, MI	Site Contact	248-456-6901	---
Jacqueline E. McAlpine	Michigan Department of Environmental Quality (MDEQ) – Waste and Hazardous Material Division - Southeast District	FOIA Officer	586-753-3832	---
FOIA Officer	MDEQ – Remediation & Redevelopment Division – Southeast District	FOIA Officer	586-751-4690 (fax)	---
Allan E. Schneck, P.E.	City of Pontiac – Department of Public Works/Engineering Division	City Engineer	248-758-3640	---



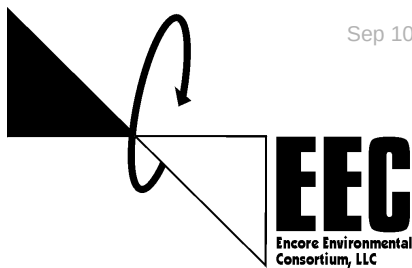
Documentation of Communication

Date June 7, 2005
Time 10:30 EDT
Type of Communication Fax

EEC Representative Lauren Farrell
Source of Communication (Organization) Michigan Department of Environmental Quality – Waste & Hazardous Materials Division – Southeast District
Source / Organization Contact Jacqueline McAlpine
Contact Telephone #
Contact Fax # 586-751-4690

Specific Subject Matter:

EEC faxed a request to the MDEQ, Waste and Hazardous Materials Division to obtain available information regarding former and existing USTs, hazardous waste inspections or violations, and any environmental non-compliance issues be sent on the Site. A response is pending.



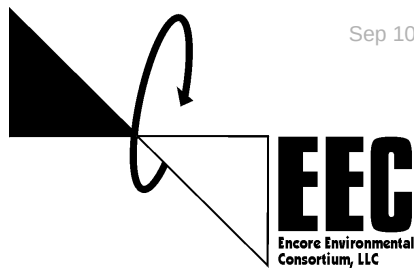
Documentation of Communication

Date June 7, 2005
Time 10:30 EDT
Type of Communication Fax

EEC Representative Lauren Farrell
Source of Communication Michigan Department of Environmental Quality – Remediation & Redevelopment Division – Southeast District
(Organization)
Source / Organization FOIA Coordinator
Contact
Contact Telephone #
Contact Fax # 586-751-4690

Specific Subject Matter:

EEC faxed a request to the MDEQ, Remediation and Redevelopment Division to obtain available information regarding the Site's LUST case. The Site's facility ID is 00015260. A release occurred on June 7, 1991 and was closed on December 22, 1995. A response is pending.



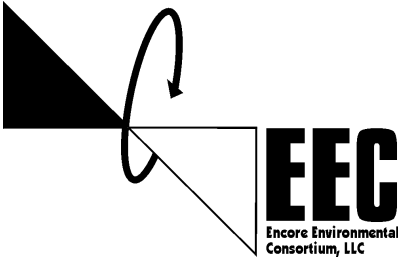
Documentation of Communication

Date	June 27, 2005
Time	14:00 EDT
Type of Communication	Telephone

EEC Representative	German Lorenzo-Vargas
Source of Communication (Organization)	City of Pontiac Department of Public Works/Engineering Division
Source / Organization Contact	Allan E. Schneck, P.E.
Contact Telephone #	
Contact Fax #	248-758-3640

Specific Subject Matter:

EEC contacted the City of Pontiac Department of Public Works/Engineering Division to inquire about discharge violations or sump inspections at the Site. A representative indicated that files were not available for review.



Transmitted Via Facsimile

July 1, 2005

FOIA Officer

MDEQ – Southeast Michigan District – Waste & Hazardous Materials Division

27700 Donald Court

Warren, MI 48092-2793

Fax Number: (586) 751-4690

Re: **Freedom of Information Act Request**

GM Truck & Bus Group Plant 13 – Facility ID # 00015260

65 East University Drive

Pontiac, MI 48342

Dear FOIA Officer:

The purpose of this letter is to request that copies of all available information regarding former and existing USTs, aboveground storage tanks, hazardous waste inspections or violations, hazardous waste manifests, or environmental non-compliance issues be sent regarding the above-referenced site. The site's facility ID is 00015260. It is known that the site had two 1,000-gallon USTs installed on April 4, 1950. The two USTs were removed from the ground on April 1, 1980 and April 1, 1986. The content of these two USTs is unknown. The site also had one 1,000-gallon UST containing dilute sulfuric acid, which was installed on April 4, 1950 and was removed from the ground on December 18, 1990. The site also had eleven 50-gallon USTs containing hydraulic oil that were installed on April 4, 1978.

The facility is currently operating as General Motors Corporation/United Auto Workers Employee Development Center but formerly operated as Pontiac Motor Division ("Pontiac Store") and General Motors Corporation Truck and Bus Group Plant 13. Please check under all of the associated names.

Please contact me at (810) 229-8823, extension 130 with any questions or upon accessing information relevant to this request. Please call me if copying charges exceed \$50.

Sincerely,

ENCORE Environmental Consortium, LLC

Lauren M. Farrell

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APPENDIX C

Photographs

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Alex Rothchild
LFR
Sep 10, 2009 15:58





Photograph 1. View of the Site, facing north across East University Drive.



Photograph 2. View of the Site, facing south-southeast across north Mill Street.



Photograph 3. View of the Site, facing southwest.



Photograph 4. View of the northeastern wall of the Site building, facing northwest.



Photograph 5. View of the western wall of the Site building, facing southeast.



Photograph 6. View of the parking lot on northeastern portion of the Site.



Photograph 7. View of the location of the two former USTs, facing southeast.



Photograph 8. View of northwest Site building wall and trash compactor, facing northeast.



Photograph 9. View of former gasoline dispenser location outside the northeast corner of the Site building.



Photograph 10. View of main basement area in the Site building.



Photograph 11. View of exposed and damaged suspect asbestos containing piping insulation in the boiler room of the basement.



Photograph 12. View of peeling paint in the hallway to the boiler room in the basement.



Photograph 13. View of the sump located in the boiler room of the basement.



Photograph 14. View of the trench drain and adjacent sump located in the basement.



Photograph 15. View of garage area in 1st floor where abandoned underground hydraulic lifts and floor drain were observed.



Photograph 16. View of abandoned underground hydraulic lift and fill port in garage area.



Photograph 17. View of abandoned underground hydraulic lift in the garage area.



Photograph 18. View of aboveground electric-hydraulic lift in auto maintenance lab room in the first floor.



Photograph 19. View of exposed and damaged suspect asbestos containing insulation in air conditioning room on the second floor.



Photograph 20. View of 1-gallon and 5-gallon cans of interior in the basement.

APPENDIX D

Environmental Database Report

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Sep 10, 2009 15:58





EDR™ Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**Employee Development Center
65 E University
Pontiac, MI 48342**

Inquiry Number: 1435947.2s

June 06, 2005

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

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

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Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	45
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
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Physical Setting Source Records Searched	A-17

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

65 E UNIVERSITY
PONTIAC, MI 48342

COORDINATES

Latitude (North): 42.640100 - 42° 38' 24.4"
Longitude (West): 83.290300 - 83° 17' 25.1"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 312226.1
UTM Y (Meters): 4723178.0
Elevation: 918 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

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

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
GM TRUCK & BUS GROUP PLANT 13 65 UNIVERSITY DR PONTIAC, MI 48342	LUST UST	N/A

DATABASES WITH NO MAPPED SITES

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

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

EXECUTIVE SUMMARY

CORRACTS..... Corrective Action Report
RCRA-TSDF..... Resource Conservation and Recovery Act Information
RCRA-LQG..... Resource Conservation and Recovery Act Information
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SWF/LF..... Solid Waste Facilities Database
INDIAN UST..... Underground Storage Tanks on Indian Land
HIST LF..... Inactive Solid Waste Facilities

FEDERAL ASTM SUPPLEMENTAL

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

STATE OR LOCAL ASTM SUPPLEMENTAL

AST..... Aboveground Tanks
PEAS..... Pollution Emergency Alerting System
DRYCLEANERS..... Drycleaning Establishments

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites
US INST CONTROL..... Sites with Institutional Controls
BROWNFIELDS..... Brownfields and USTfield Site Database

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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Sep 10, 2009 15:58

EXECUTIVE SUMMARY

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.

FEDERAL ASTM STANDARD

RCRAInfo: 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/13/2005 has revealed that there are 9 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>DOWNTOWN VALET CLEANERS</i>	<i>113 N PERRY</i>	<i>0 - 1/8 W</i>	<i>2</i>	<i>12</i>
<i>PONTIAC OSTEOPATHIC HOSPITAL</i>	<i>50 N PERRY ST</i>	<i>1/8 - 1/4S</i>	<i>B8</i>	<i>20</i>
<i>PONTIAC POLICE DEPT</i>	<i>110 E PIKE ST</i>	<i>1/8 - 1/4SSE</i>	<i>C9</i>	<i>21</i>
CITY OF PONTIAC	47450 WOODWARD AVE	1/8 - 1/4SSE	C11	22
CITY OF PONTIAC	123 E PIKE ST	1/8 - 1/4SE	D13	24
<i>OAKLAND PRESS & REMINDER</i>	<i>48 W HURON ST</i>	<i>1/8 - 1/4WSW</i>	<i>14</i>	<i>24</i>
CITY OF PONTIAC	SAGINAW & PIKE ST	1/8 - 1/4SSW	15	25
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>MOBIL OIL CORP SS C70</i>	<i>590 E WIDETRACK</i>	<i>0 - 1/8 ESE</i>	<i>3</i>	<i>12</i>
<i>MICHIGAN BELL TELEPHONE COMPAN</i>	<i>54 N MILL</i>	<i>1/8 - 1/4S</i>	<i>A5</i>	<i>16</i>

STATE ASTM STANDARD

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

A review of the SHWS list, as provided by EDR, has revealed that there is 1 SHWS site within

EXECUTIVE SUMMARY

approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ASPHALT SPECIALIST INC	1908 WIDE TRACK DRIVE	1/2 - 1 S	34	43

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 03/14/2005 has revealed that there are 14 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MOBIL SS #03-C70	590 WIDE TRACK DRIVE EA	1/8 - 1/4 NNE	6	16
VOORHEES SIPLE FUNERAL HOME	268 N PERRY ST	1/4 - 1/2 N	16	25
OAK HILL CEMETERY	216 UNIVERSITY DR	1/4 - 1/2 ENE	18	26
GORDON AUTOMOTIVE	200 N PADDOCK	1/4 - 1/2 ENE	24	35
FORMER FORTERS AUTO WASH	149 W HURON ST	1/4 - 1/2 WSW	25	37
PARCEL 62	93 ORCHARD LAKE RD	1/4 - 1/2 SSW	F27	38
GM TRUCK & BUS EAST	31 E JUDSON ST	1/4 - 1/2 S	29	40
RICKS GAS STATION/JOSEPH LEE E	157 AUBURN AVE	1/4 - 1/2 SE	30	40
VACANT LOT	147 S SAGINAW	1/4 - 1/2 S	31	42
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
AMERITECH-PONTIAC CENTRAL OFFI	54 N MILL ST	1/8 - 1/4 S	A4	13
OIC OF OAKLAND COUNTY	62-64 W LAWRENCE	1/4 - 1/2 SW	19	27
MICHIGAN NATIONAL CORP	40 W PIKE ST	1/4 - 1/2 SW	E20	29
OAKLAND AUTO SUPPLY	50606 WOODWARD AVENUE	1/4 - 1/2 SW	22	31
SALVATION ARMY ADULT REHABILIT	117 W LAWRENCE ST., PO	1/4 - 1/2 SW	23	34

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 03/14/2005 has revealed that there are 5 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MOBIL SS #03-C70	590 WIDE TRACK DRIVE EA	1/8 - 1/4 NNE	6	16
POH MEDICAL CENTER	50 N PERRY ST	1/8 - 1/4 S	B7	19
POLICE DEPARTMENT	110 E PIKE ST	1/8 - 1/4 SSE	C10	21
PONTIAC FIRE #1	123 E PIKE ST	1/8 - 1/4 SE	D12	22
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
AMERITECH-PONTIAC CENTRAL OFFI	54 N MILL ST	1/8 - 1/4 S	A4	13

EXECUTIVE SUMMARY

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 03/17/2005 has revealed that there are 7 BEA sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHARTER ONE BANK, F.S.B.	71-75 WEST HURON ROAD	1/4 - 1/2 WSW 17		26
CITY OF PONTIAC/PARCEL 63	87 ORCHARD LAKE ROAD	1/4 - 1/2 SSW F26		38
C. LANE MALLY, L.L.C.	109 NORTH CASS AVENUE	1/4 - 1/2 W 28		39
PONTIAC PUBLIC SCHOOL ACADEMY	140 NORTH CASS	1/4 - 1/2 WNW G32		43
BAYPON ACADEMY LEASING LLC	140 NORTH CASS	1/4 - 1/2 WNW G33		43
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MICHIGAN NATIONAL CORP	40 W PIKE ST	1/4 - 1/2 SW	E20	29
40 WEST PIKE STREET, L.L.C.	40 WEST PIKE STREET	1/4 - 1/2 SW	E21	31

STATE OR LOCAL ASTM SUPPLEMENTAL

DEL SHWS: Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does support it's listing or the site no longer meets criteria specified in rules.

A review of the DEL SHWS list, as provided by EDR, and dated 02/24/2005 has revealed that there is 1 DEL SHWS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ASPHALT SPECIALIST INC	1908 WIDE TRACK DRIVE	1/2 - 1 S	34	43

EXECUTIVE SUMMARY

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

Site Name

KENNETT RD LF
JAY SHOP INC
1824 W. LAWRENCE
41 SAGINAW STREET
RAILROAD RIGHT-OF-WAY (FORMER)
MICHIGAN CAT RENTAL SERVICES
HARRIS LAKE PARK DEVELOPMENT

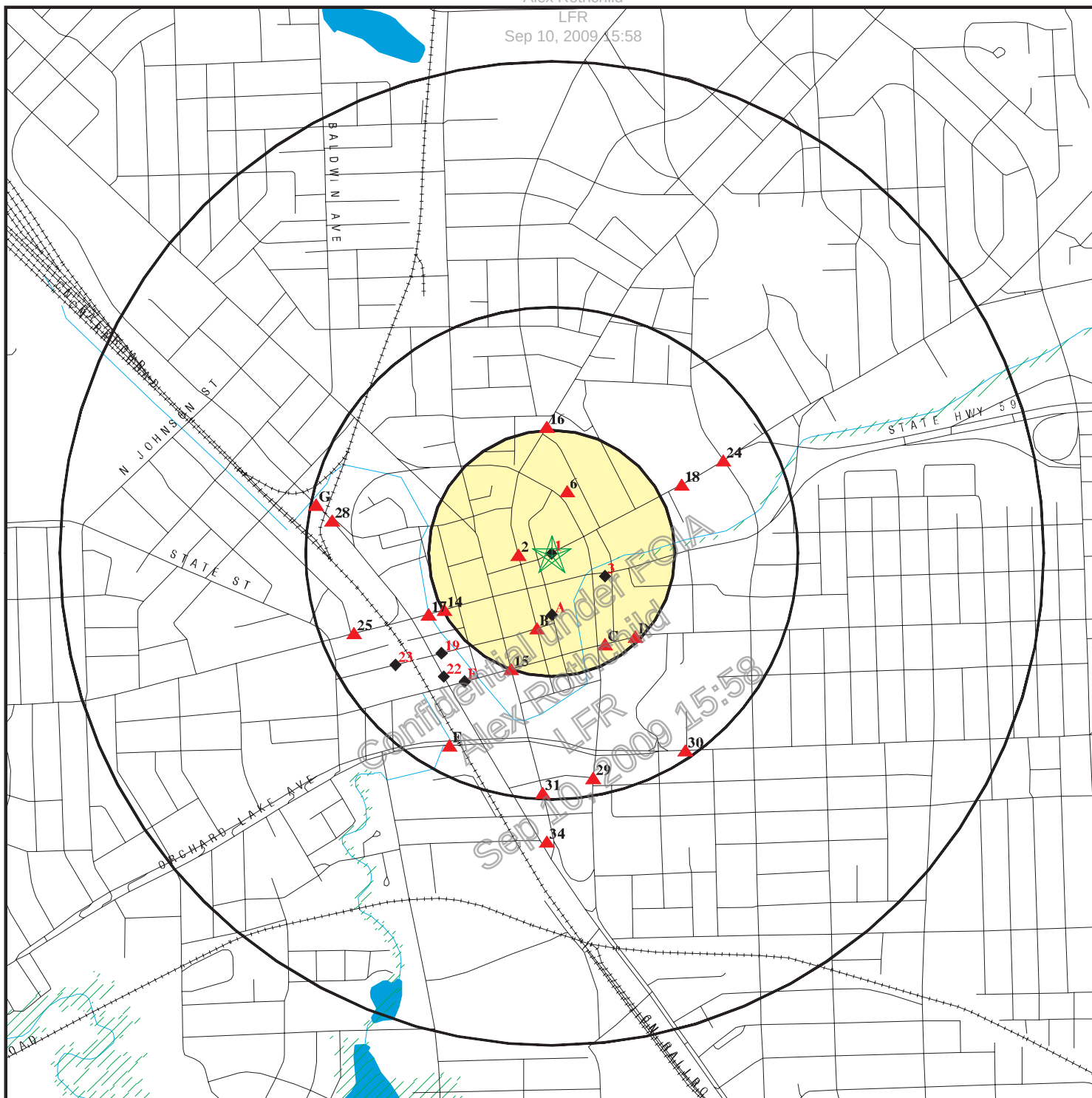
Database(s)

SHWS
RCRA-SQG
US BROWNFIELDS
US BROWNFIELDS
BEA
BEA
BEA

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Alex Rothchild
LFR
Sep 10, 2009 15:58

OVERVIEW MAP - 1435947.2s - EEC

LFR
Sep 10, 2009 15:58



★ Target Property

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

◆ Sites at elevations lower than the target property

▲ Coal Gasification Sites

■ National Priority List Sites

■ Landfill Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

■ Oil & Gas pipelines

■ 100-year flood zone

■ 500-year flood zone

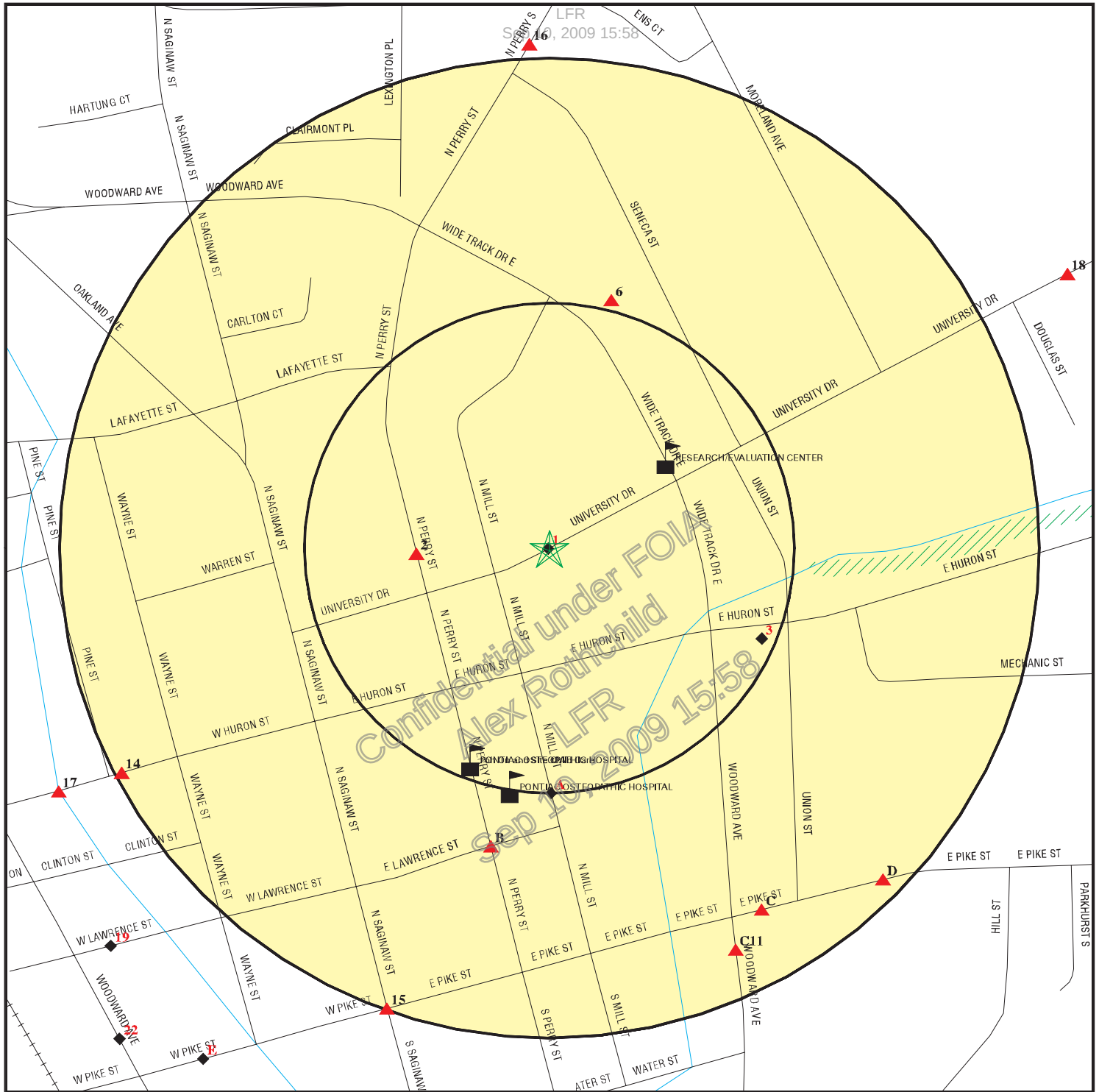
0 1/4 1/2 1 Miles

TARGET PROPERTY: Employee Development Center
ADDRESS: 65 E University
CITY/STATE/ZIP: Pontiac MI 48342
LAT/LONG: 42.6401 / 83.2903

CUSTOMER: EEC
CONTACT: Lauren Farrell
INQUIRY #: 1435947.2s
DATE: June 06, 2005 9:01 am

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DETAIL MAP - 1435947.2s - EEC



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

TARGET PROPERTY: Employee Development Center
ADDRESS: 65 E University
CITY/STATE/ZIP: Pontiac MI 48342
LAT/LONG: 42.6401 / 83.2903

CUSTOMER: EEC
CONTACT: Lauren Farrell
INQUIRY #: 1435947.2s
DATE: June 06, 2005 9:02 am

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>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	2	7	NR	NR	NR	9
ERNS		TP	NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste		1.000	0	0	0	1	NR	1
State Landfill		0.500	0	0	0	NR	NR	0
LUST	X	0.500	0	2	12	NR	NR	14
UST	X	0.250	0	5	NR	NR	NR	5
BEA		0.500	0	0	7	NR	NR	7
INDIAN UST		0.250	0	0	NR	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
FUDS		1.000	0	0	0	0	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
DOD		1.000	0	0	0	0	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
AST		TP	NR	NR	NR	NR	NR	0

Sep 10, 2009 15:58

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
DEL SHWS		1.000	0	0	0	1	NR	1
PEAS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas		1.000	0	0	0	0	NR	0
----------	--	-------	---	---	---	---	----	---

BROWNFIELDS DATABASES

US BROWNFIELDS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

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MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

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

1 **GM TRUCK & BUS GROUP PLANT 13**
Target **65 UNIVERSITY DR**
Property **PONTIAC, MI 48342**

LUST **U000262943**
UST **N/A**

Actual:
917 ft.

LUST:

Facility ID: 00015260
Release Number: Closed
Release Date: Jun 7 1991
Facility Status: CLOSED
District: SE Michigan District Office
Closed Date: Dec 22 1995
Owner Contact : Not reported
Owner Name : GM Corp Truck Group
Owner Address : 2100 S OPDYKE RD M/C 483-606-186
PONTIAC, MI 48341
Country : USA
Owner Phone : (248) 452-2781
Contact : LARRY A SMITH
Facility Phone : (734) 456-7866
Leak Number: C-1142-91

UST:

Facility ID: 00015260
Facility Status: Not reported
Tank ID: 1
Owner: GM Corp Truck Group
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2100 S OPDYKE RD M/C 483-606-186
PONTIAC, MI 48341
Owner Phone: (248) 452-2781
Product: Not reported
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Apr 1 1980
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: LARRY A SMITH
Contact Phone: (734) 456-7866
Impressed Device: No
Install Date: Apr 4 1950
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00015260
Facility Status: Not reported
Tank ID: 2
Owner: GM Corp Truck Group
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2100 S OPDYKE RD M/C 483-606-186
PONTIAC, MI 48341
Owner Phone: (248) 452-2781
Product: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

EDR ID Number
EPA ID Number
Database(s)

GM TRUCK & BUS GROUP PLANT 13 (Continued)

U000262943

Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Apr 1 1986
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: LARRY A SMITH
Contact Phone: (734) 456-7866
Impressed Device: No
Install Date: Apr 4 1950
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00015260
Facility Status: Not reported
Tank ID: 3
Owner: GM Corp Truck Group
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2100 S OPDYKE RD M/C 483-606-186
PONTIAC, MI 48341
Owner Phone: (248) 452-2781
Product: SPILL TANK, DILUTE SULFURIC ACID, 7,
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Dec 18 1990
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: LARRY A SMITH
Contact Phone: (734) 456-7866
Impressed Device: No
Install Date: Apr 4 1950
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00015260
Facility Status: Not reported
Tank ID: 4
Owner: GM Corp Truck Group
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2100 S OPDYKE RD M/C 483-606-186
PONTIAC, MI 48341
Owner Phone: (248) 452-2781
Product: HYDRAULIC OIL
Capacity: 50
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: LARRY A SMITH
Contact Phone: (734) 456-7866
Impressed Device: No

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

GM TRUCK & BUS GROUP PLANT 13 (Continued)**U000262943**

Install Date: Apr 4 1978

Release Detection:

Tank: Not reported

Pipe: Not reported

Facility ID: 00015260

Facility Status: Not reported

Tank ID: 5

Owner: GM Corp Truck Group

Owner Country: USA

Owner Contact: Not reported

Owner Address: 2100 S OPDYKE RD M/C 483-606-186

PONTIAC, MI 48341

Owner Phone: (248) 452-2781

Product: HYDRAULIC OIL

Capacity: 50

Tank Status: Currently In Use

Remove Date: Not reported

Constr Material: Asphalt Coated or Bare Steel

Piping Material: Bare Steel

Piping Type: Not reported

Contact: LARRY A SMITH

Contact Phone: (734) 456-7866

Impressed Device: No

Install Date: Apr 4 1978

Release Detection:

Tank: Not reported

Pipe: Not reported

Facility ID: 00015260

Facility Status: Not reported

Tank ID: 6

Owner: GM Corp Truck Group

Owner Country: USA

Owner Contact: Not reported

Owner Address: 2100 S OPDYKE RD M/C 483-606-186

PONTIAC, MI 48341

Owner Phone: (248) 452-2781

Product: HYDRAULIC OIL

Capacity: 50

Tank Status: Currently In Use

Remove Date: Not reported

Constr Material: Asphalt Coated or Bare Steel

Piping Material: Bare Steel

Piping Type: Not reported

Contact: LARRY A SMITH

Contact Phone: (734) 456-7866

Impressed Device: No

Install Date: Apr 4 1978

Release Detection:

Tank: Not reported

Pipe: Not reported

Facility ID: 00015260

Facility Status: Not reported

Tank ID: 7

Owner: GM Corp Truck Group

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

GM TRUCK & BUS GROUP PLANT 13 (Continued)

U000262943

Owner Country: USA
Owner Contact: Not reported
Owner Address: 2100 S OPDYKE RD M/C 483-606-186
PONTIAC, MI 48341
Owner Phone: (248) 452-2781
Product: HYDRAULIC OIL
Capacity: 50
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: LARRY A SMITH
Contact Phone: (734) 456-7866
Impressed Device: No
Install Date: Apr 4 1978
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00015260
Facility Status: Not reported
Tank ID: 8
Owner: GM Corp Truck Group
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2100 S OPDYKE RD M/C 483-606-186
PONTIAC, MI 48341
Owner Phone: (248) 452-2781
Product: HYDRAULIC OIL
Capacity: 50
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: LARRY A SMITH
Contact Phone: (734) 456-7866
Impressed Device: No
Install Date: Apr 4 1978
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00015260
Facility Status: Not reported
Tank ID: 9
Owner: GM Corp Truck Group
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2100 S OPDYKE RD M/C 483-606-186
PONTIAC, MI 48341
Owner Phone: (248) 452-2781
Product: HYDRAULIC OIL
Capacity: 50
Tank Status: Currently In Use
Remove Date: Not reported

LFR

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

Database(s)
EDR ID Number
EPA ID Number

GM TRUCK & BUS GROUP PLANT 13 (Continued)

U000262943

Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: LARRY A SMITH
Contact Phone: (734) 456-7866
Impressed Device: No
Install Date: Apr 4 1978
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00015260
Facility Status: Not reported
Tank ID: 10
Owner: GM Corp Truck Group
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2100 S OPDYKE RD M/C 483-606-186
PONTIAC, MI 48341

Owner Phone: (248) 452-2781
Product: HYDRAULIC OIL
Capacity: 50

Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: LARRY A SMITH
Contact Phone: (734) 456-7866

Impressed Device: No
Install Date: Apr 4 1978
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00015260
Facility Status: Not reported
Tank ID: 11
Owner: GM Corp Truck Group
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2100 S OPDYKE RD M/C 483-606-186
PONTIAC, MI 48341

Owner Phone: (248) 452-2781
Product: HYDRAULIC OIL
Capacity: 50

Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: LARRY A SMITH
Contact Phone: (734) 456-7866

Impressed Device: No
Install Date: Apr 4 1978
Release Detection:
Tank: Not reported

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MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

Database(s)
EDR ID Number
EPA ID Number

GM TRUCK & BUS GROUP PLANT 13 (Continued)

U000262943

Pipe: Not reported

Facility ID: 00015260
Facility Status: Not reported
Tank ID: 12
Owner: GM Corp Truck Group
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2100 S OPDYKE RD M/C 483-606-186
PONTIAC, MI 48341
Owner Phone: (248) 452-2781
Product: HYDRAULIC OIL
Capacity: 50
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: LARRY A SMITH
Contact Phone: (734) 456-7866
Impressed Device: No
Install Date: Apr 4 1978
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00015260
Facility Status: Not reported
Tank ID: 13
Owner: GM Corp Truck Group
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2100 S OPDYKE RD M/C 483-606-186
PONTIAC, MI 48341
Owner Phone: (248) 452-2781
Product: HYDRAULIC OIL
Capacity: 50
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: LARRY A SMITH
Contact Phone: (734) 456-7866
Impressed Device: No
Install Date: Apr 4 1978
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00015260
Facility Status: Not reported
Tank ID: 14
Owner: GM Corp Truck Group
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2100 S OPDYKE RD M/C 483-606-186

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

GM TRUCK & BUS GROUP PLANT 13 (Continued)**U000262943**

PONTIAC, MI 48341
Owner Phone: (248) 452-2781
Product: HYDRAULIC OIL
Capacity: 50
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: LARRY A SMITH
Contact Phone: (734) 456-7866
Impressed Device: No
Install Date: Apr 4 1978
Release Detection:
Tank: Not reported
Pipe: Not reported

2
West
< 1/8
358 ft.

DOWNTOWN VALET CLEANERS

113 N PERRY
PONTIAC, MI 48342

RCRA-SQG
FINDS

1001124119
MIR000020537

Relative:
Higher

RCRAInfo:

Owner: BILL QUINN
EPA ID: MIR000020537

Actual:
919 ft.

Contact: BILL QUINN
(810) 332-0220

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

3
ESE
< 1/8
623 ft.

MOBIL OIL CORP SS C70

590 E WIDETRACK
PONTIAC, MI 48342

RCRA-SQG
FINDS

1000529135
MID985615681

Relative:
Lower

RCRAInfo:

Owner: MOBIL OIL CORP
EPA ID: MID985615681

Actual:
910 ft.

Contact: DAN HORTON
(703) 849-3330

Classification: Small Quantity Generator
TSDF Activities: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

MOBIL OIL CORP SS C70 (Continued)**1000529135**

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

A4 **AMERITECH-PONTIAC CENTRAL OFFICE**
South **54 N MILL ST**
1/8-1/4 **PONTIAC, MI 48342**
661 ft.

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

Site 1 of 2 in cluster A

Relative:
Lower

LUST:

Actual:
916 ft.

Facility ID: 00011769
Release Number: Closed
Release Date: Dec 30 1997
Facility Status: CLOSED
District: SE Michigan District Office
Closed Date: May 26 1998
Owner Contact : Not reported
Owner Name : Michigan Bell Telephone Co (dba) SBC Michigan
Owner Address : C/o Environmental Management 36 S Fairview (4th Floor)
Park Ridge, IL 60068
Country : USA
Owner Phone : (887) 648-2073
Contact : BERNARD F FOUNTAIN JR
Facility Phone : (313) 874-8979
Leak Number: C-1291-97

UST:

Facility ID: 00011769
Facility Status: Not reported
Tank ID: 1
Owner: Michigan Bell Telephone Co (dba) SBC Michigan
Owner Country: USA
Owner Contact: Not reported
Owner Address: C/o Environmental Management 36 S Fairview (4th Floor)
Park Ridge, IL 60068
Owner Phone: (887) 648-2073
Product: Diesel
Capacity: 15000
Tank Status: Removed from Ground
Remove Date: Dec 4 1997
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Copper
Piping Type: Suction: Valve at Tank
Contact: BERNARD F FOUNTAIN JR
Contact Phone: (313) 874-8979
Impressed Device: No
Install Date: May 8 1969
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00011769
Facility Status: Not reported
Tank ID: 2
Owner: Michigan Bell Telephone Co (dba) SBC Michigan
Owner Country: USA

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

AMERITECH-PONTIAC CENTRAL OFFICE (Continued)**U003329970**

Owner Contact: Not reported
Owner Address: C/o Environmental Management 36 S Fairview (4th Floor)
Park Ridge, IL 60068
Owner Phone: (887) 648-2073
Product: Kerosene
Capacity: 15000
Tank Status: Removed from Ground
Remove Date: Dec 5 1997
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Copper
Piping Type: Suction: Valve at Tank
Contact: BERNARD F FOUNTAIN JR
Contact Phone: (313) 874-8979
Impressed Device: No
Install Date: May 8 1969
Release Detection:
Tank: Automatic Tank Gauging, Manual Tank Gauging
Pipe: Interstitial Monitoring/Second Containment

Facility ID: 00011769
Facility Status: Not reported
Tank ID: 3
Owner: Michigan Bell Telephone Co (dba) SBC Michigan
Owner Country: USA
Owner Contact: Not reported
Owner Address: C/o Environmental Management 36 S Fairview (4th Floor)
Park Ridge, IL 60068
Owner Phone: (887) 648-2073
Product: Kerosene
Capacity: 15000
Tank Status: Removed from Ground
Remove Date: Dec 8 1997
Constr Material: Cathodically Protected Steel
Piping Material: Copper
Piping Type: Suction: Valve at Tank
Contact: BERNARD F FOUNTAIN JR
Contact Phone: (313) 874-8979
Impressed Device: No
Install Date: May 8 1969
Release Detection:
Tank: Automatic Tank Gauging, Manual Tank Gauging
Pipe: Interstitial Monitoring/Second Containment

Facility ID: 00011769
Facility Status: Not reported
Tank ID: 4
Owner: Michigan Bell Telephone Co (dba) SBC Michigan
Owner Country: USA
Owner Contact: Not reported
Owner Address: C/o Environmental Management 36 S Fairview (4th Floor)
Park Ridge, IL 60068
Owner Phone: (887) 648-2073
Product: Kerosene
Capacity: 15000
Tank Status: Removed from Ground
Remove Date: Dec 8 1997
Constr Material: Asphalt Coated or Bare Steel

LFR

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

Database(s)

EDR ID Number
EPA ID Number

AMERITECH-PONTIAC CENTRAL OFFICE (Continued)

U003329970

Piping Material: Cathodically Protected,Copper
Piping Type: Suction: Valve at Tank
Contact: BERNARD F FOUNTAIN JR
Contact Phone: (313) 874-8979
Impressed Device:No
Install Date: May 8 1969
Release Detection:
Tank: Automatic Tank Gauging,Manual Tank Gauging
Pipe: Interstitial Monitoring/Second Containment

Facility ID: 00011769
Facility Status: Not reported
Tank ID: 5
Owner: Michigan Bell Telephone Co (dba) SBC Michigan
Owner Country: USA
Owner Contact: Not reported
Owner Address: C/o Environmental Management 36 S Fairview (4th Floor)
Park Ridge, IL 60068
Owner Phone: (887) 648-2073
Product: Kerosene
Capacity: 10000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Double Walled,Fiberglass Reinforced plastic
Piping Material: BLACK STEEL,Fiberglass reinforced plastic,Secondary Containment
Piping Type: Suction: Valve at Tank
Contact: BERNARD F FOUNTAIN JR
Contact Phone: (313) 874-8979
Impressed Device:No
Install Date: Jan 1 1998
Release Detection:
Tank: Automatic Tank Gauging,Inter Monitoring Double Walled Tank,Inventory Control
Pipe: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping

Facility ID: 00011769
Facility Status: Not reported
Tank ID: 6
Owner: Michigan Bell Telephone Co (dba) SBC Michigan
Owner Country: USA
Owner Contact: Not reported
Owner Address: C/o Environmental Management 36 S Fairview (4th Floor)
Park Ridge, IL 60068
Owner Phone: (887) 648-2073
Product: Kerosene
Capacity: 10000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Double Walled,Fiberglass Reinforced plastic
Piping Material: BLACK STEEL,Fiberglass reinforced plastic,Secondary Containment
Piping Type: Suction: Valve at Tank
Contact: BERNARD F FOUNTAIN JR
Contact Phone: (313) 874-8979
Impressed Device:No
Install Date: Jan 1 1998
Release Detection:
Tank: Automatic Tank Gauging,Inter Monitoring Double Walled Tank,Inventory Control
Pipe: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping

LFR

Sep 10, 2009 15:58

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

A5
South
1/8-1/4
661 ft.

MICHIGAN BELL TELEPHONE COMPANY
54 N MILL
PONTIAC, MI 48342

RCRA-SQG
FINDS

1000237744
MIT270012354

Site 2 of 2 in cluster A

Relative:
Lower

RCRAInfo:

Owner: MICHIGAN BELL TELEPHONE COMPANY

EPA ID: MIT270012354

Contact: MANDY BOHLMANN
(877) 648-2073

Classification: Conditionally Exempt Small Quantity Generator

TSD Activities: Not reported

Violation Status: No violations found

Actual:
916 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

6
NNE
1/8-1/4
689 ft.

MOBIL SS #03-C70
590 WIDE TRACK DRIVE EAST
PONTIAC, MI 48342

LUST
UST

U003160717
N/A

Relative:
Higher

LUST:

Facility ID: 00003199

Release Number: Open

Release Date: Oct 6 2004

Facility Status: ACTIVE

District: SE Michigan District Office

Closed Date: Not reported

Owner Contact : Not reported

Owner Name : Asantes Properties LLC

Owner Address : 47910 Woodward Ave
Pontiac, MI 48342

Country : USA

Owner Phone : (248) 252-4852

Contact : Emily Miller

Facility Phone : (800) 327-8431

Leak Number: C-0438-04

Facility ID: 00003199

Release Number: Open

Release Date: Aug 17 2004

Facility Status: ACTIVE

District: SE Michigan District Office

Closed Date: Not reported

Owner Contact : Not reported

Owner Name : Asantes Properties LLC

Owner Address : 47910 Woodward Ave
Pontiac, MI 48342

Country : USA

Owner Phone : (248) 252-4852

Contact : Emily Miller

Facility Phone : (800) 327-8431

Leak Number: C-0354-04

Facility ID: 00003199

Release Number: Closed

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

MOBIL SS #03-C70 (Continued)**U003160717**

Release Date: Sep 19 1991
Facility Status: ACTIVE
District: SE Michigan District Office
Closed Date: Nov 3 1997
Owner Contact : Not reported
Owner Name : Asantes Properties LLC
Owner Address : 47910 Woodward Ave
Pontiac, MI 48342
Country : USA
Owner Phone : (248) 252-4852
Contact : Emily Miller
Facility Phone : (800) 327-8431
Leak Number: C-1932-91

Facility ID: 00003199
Release Number: Closed
Release Date: Jul 18 1997
Facility Status: ACTIVE
District: SE Michigan District Office
Closed Date: Nov 3 1997
Owner Contact : Not reported
Owner Name : Asantes Properties LLC
Owner Address : 47910 Woodward Ave
Pontiac, MI 48342
Country : USA
Owner Phone : (248) 252-4852
Contact : Emily Miller
Facility Phone : (800) 327-8431
Leak Number: C-1041-97

UST:

Facility ID: 00003199
Facility Status: Not reported
Tank ID: 1
Owner: Asantes Properties LLC
Owner Country: USA
Owner Contact: Not reported
Owner Address: 47910 Woodward Ave
Pontiac, MI 48342
Owner Phone: (248) 252-4852
Product: Gasoline
Capacity: 10000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: Emily Miller
Contact Phone: (800) 327-8431
Impressed Device: No
Install Date: Nov 1 1989
Release Detection:
Tank: Automatic Tank Gauging
Pipe: Automatic Line Leak Detectors, Line Tightness Testing

Facility ID: 00003199
Facility Status: Not reported
Tank ID: 2

LFR

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

Database(s) EDR ID Number
EPA ID Number

MOBIL SS #03-C70 (Continued)

U003160717

Owner: Asantes Properties LLC
Owner Country: USA
Owner Contact: Not reported
Owner Address: 47910 Woodward Ave
Pontiac, MI 48342
Owner Phone: (248) 252-4852
Product: Gasoline
Capacity: 10000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: Emily Miller
Contact Phone: (800) 327-8431
Impressed Device: No
Install Date: Nov 1 1989
Release Detection:
Tank: Automatic Tank Gauging
Pipe: Automatic Line Leak Detectors, Line Tightness Testing

Facility ID: 00003199
Facility Status: Not reported
Tank ID: 3
Owner: Asantes Properties LLC
Owner Country: USA
Owner Contact: Not reported
Owner Address: 47910 Woodward Ave
Pontiac, MI 48342
Owner Phone: (248) 252-4852
Product: Gasoline
Capacity: 6000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: Emily Miller
Contact Phone: (800) 327-8431
Impressed Device: No
Install Date: Nov 1 1989
Release Detection:
Tank: Automatic Tank Gauging
Pipe: Automatic Line Leak Detectors, Line Tightness Testing

Facility ID: 00003199
Facility Status: Not reported
Tank ID: 4
Owner: Asantes Properties LLC
Owner Country: USA
Owner Contact: Not reported
Owner Address: 47910 Woodward Ave
Pontiac, MI 48342
Owner Phone: (248) 252-4852
Product: HYD. OIL
Capacity: 50
Tank Status: Temporarily out of Use

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

MOBIL SS #03-C70 (Continued)**U003160717**

Remove Date: Not reported
Constr Material: Fiberglass Reinforced plastic
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: Emily Miller
Contact Phone: (800) 327-8431
Impressed Device: No
Install Date: Mar 20 1970
Release Detection:
Tank: Not reported
Pipe: Not reported

B7
South
1/8-1/4
819 ft.

POH MEDICAL CENTER
50 N PERRY ST
PONTIAC, MI 48342

UST U003426419
N/A

Site 1 of 2 in cluster B

Relative:
Higher

UST:

Actual:
919 ft.

Facility ID: 00039842
Facility Status: Not reported
Tank ID: 1
Owner: Poh Medical Center
Owner Country: USA
Owner Contact: Not reported
Owner Address: 50 N Perry St
Pontiac, MI 48342
Owner Phone: 248-338-5000
Product: Diesel
Capacity: 500
Tank Status: Removed from Ground
Remove Date: Dec 3 1998
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: Robert Pickup
Contact Phone: 248-338-5382
Impressed Device: No
Install Date: Jan 1 1987
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00039842
Facility Status: Not reported
Tank ID: 2
Owner: Poh Medical Center
Owner Country: USA
Owner Contact: Not reported
Owner Address: 50 N Perry St
Pontiac, MI 48342
Owner Phone: 248-338-5000
Product: Diesel
Capacity: 2500
Tank Status: Removed from Ground
Remove Date: Jul 2 1999
Constr Material: Cathodically Protected Steel
Piping Material: Secondary Containment
Piping Type: Suction: Valve at Tank

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

POH MEDICAL CENTER (Continued)**U003426419**

Contact: Robert Pickup

Contact Phone: 248-338-5382

Impressed Device: No

Install Date: Aug 1 1996

Release Detection:

Tank: Not reported

Pipe: Not reported

Facility ID: 00039842

Facility Status: Not reported

Tank ID: 3

Owner: Poh Medical Center

Owner Country: USA

Owner Contact: Not reported

Owner Address: 50 N Perry St
Pontiac, MI 48342

Owner Phone: 248-338-5000

Product: Unkown

Capacity: 500

Tank Status: Removed from Ground

Remove Date: May 9 2003

Constr Material: Unknown

Piping Material: Unknown

Piping Type: Not reported

Contact: Robert Pickup

Contact Phone: 248-338-5382

Impressed Device: No

Install Date: Not reported

Release Detection:

Tank: Not reported

Pipe: Not reported

B8
South
1/8-1/4
819 ft.

PONTIAC OSTEOPATHIC HOSPITAL
50 N PERRY ST
PONTIAC, MI 48342

RCRA-SQG
FINDS
MLTS

1000411346
MID010870863

Relative:
Higher

Site 2 of 2 in cluster B

RCRA Info:

Owner: PONTIAC OSTEOPATHIC HOSPITAL

EPA ID: MID010870863

Contact: ROBERT PICKUP
(248) 338-5382

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM

NATIONAL COMPLIANCE DATABASE SYSTEM

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

MLTS:

License Number: 21-04081-03

License Date: 07/20/2004

License Expires: 02/28/2014

First License Date: 11/01/1988

Institution Code: 4081

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

PONTIAC OSTEOPATHIC HOSPITAL (Continued)**1000411346**

Primary Program: Medical Institution - QMP required
License Use: Not reported
Department: Not reported Building: Not reported
Contact Name: RICHARD F. GRZYBOWSKI, D.O/RSO Contact Phone: 248/338-5632
States Allowing Use: Not reported
Store Material: No
Redistribution: No Incineration: No
Burial: No
Last Inspection: 05/2004
Inspector Name: PARKER
Next Inspection: 05/2007

C9
SSE
1/8-1/4
1130 ft.

PONTIAC POLICE DEPT
110 E PIKE ST
PONTIAC, MI 48342

RCRA-SQG **1001088471**
FINDS **MIR000011577**

Site 1 of 3 in cluster C

Relative:
Higher

RCRAInfo:
Owner: PONTIAC POLICE DEPT
EPA ID: MIR000011577
Contact: MICHAEL MILOSIC
(810) 857-7890

Actual:
935 ft.

Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

C10
SSE
1/8-1/4
1130 ft.

POLICE DEPARTMENT
110 E PIKE ST
PONTIAC, MI 48342

UST **U003325866**
N/A

Site 2 of 3 in cluster C

Relative:
Higher

UST:
Facility ID: 00036420
Facility Status: Not reported
Tank ID: 1
Owner: City Of Pontiac
Owner Country: USA
Owner Contact: Not reported
Owner Address: 55 Wesson St
Pontiac, MI 48341
Owner Phone: (248) 857-7746
Product: Gasoline
Capacity: 10000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Composite(Steel w/Fiberglass)
Piping Material: Fiberglass reinforced plastic
Piping Type: Suction: No Valve At Tank
Contact: MICHAEL MILOSIC JR
Contact Phone: (248) 857-7838

Actual:
935 ft.

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

POLICE DEPARTMENT (Continued)

U003325866

Impressed Device: No
Install Date: Oct 1 1993
Release Detection:
Tank: Automatic Tank Gauging
Pipe: Automatic Line Leak Detectors, Line Tightness Testing

Facility ID: 00036420
Facility Status: Not reported
Tank ID: SA-01
Owner: City Of Pontiac
Owner Country: USA
Owner Contact: Not reported
Owner Address: 55 Wesson St
Pontiac, MI 48341
Owner Phone: (248) 857-7746
Product: Not reported
Capacity: Not reported
Tank Status: NON-Registered Tank
Remove Date: Not reported
Constr Material: Not reported
Piping Material: Not reported
Piping Type: Not reported
Contact: MICHAEL MILOSIC JR
Contact Phone: (248) 857-7838
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

**C11
SSE
1/8-1/4
1193 ft.**

**CITY OF PONTIAC
47450 WOODWARD AVE
PONTIAC, MI 48342**

RCRA-SQG

**1007098503
MIK528678519**

Site 3 of 3 in cluster C

**Relative:
Higher**

RCRAInfo:
Owner: CITY OF PONTIAC
EPA ID: MIK528678519
Contact: CHIEF JEFFREY HAWKINS
(248) 857-7665

**Actual:
926 ft.**

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

**D12
SE
1/8-1/4
1267 ft.**

**PONTIAC FIRE #1
123 E PIKE ST
PONTIAC, MI 48342**

UST

**U003321098
N/A**

Site 1 of 2 in cluster D

**Relative:
Higher**

UST:
Facility ID: 00007474
Facility Status: Not reported
Tank ID: 1
Owner: City Of Pontiac

**Actual:
939 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

PONTIAC FIRE #1 (Continued)**U003321098**

Owner Country: USA
Owner Contact: Not reported
Owner Address: 450 Wide Track Dr E
Pontiac, MI 48342
Owner Phone: (248) 857-7611
Product: Gasoline
Capacity: 550
Tank Status: Removed from Ground
Remove Date: Apr 10 1999
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Contact: FRANK OLES
Contact Phone: (248) 857-7665
Impressed Device: No
Install Date: Mar 17 1961
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00007474
Facility Status: Not reported
Tank ID: 2
Owner: City Of Pontiac
Owner Country: USA
Owner Contact: Not reported
Owner Address: 450 Wide Track Dr E
Pontiac, MI 48342
Owner Phone: (248) 857-7611
Product: Diesel
Capacity: 550
Tank Status: Removed from Ground
Remove Date: Apr 10 1999
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel, Galvanized Steel
Piping Type: Suction: No Valve At Tank
Contact: FRANK OLES
Contact Phone: (248) 857-7665
Impressed Device: No
Install Date: Mar 17 1961
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00007474
Facility Status: Not reported
Tank ID: 3
Owner: City Of Pontiac
Owner Country: USA
Owner Contact: Not reported
Owner Address: 450 Wide Track Dr E
Pontiac, MI 48342
Owner Phone: (248) 857-7611
Product: Diesel
Capacity: 4000
Tank Status: Currently In Use
Remove Date: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

PONTIAC FIRE #1 (Continued)**U003321098**

Constr Material: Composite(Steel w/Fiberglass),Double Walled
Piping Material: Double Walled
Piping Type: Suction: No Valve At Tank
Contact: FRANK OLES
Contact Phone: (248) 857-7665
Impressed Device: No
Install Date: Apr 21 1999
Release Detection:
Tank: Automatic Tank Gauging,Inter Monitoring Double Walled Tank,Inter Monitoring/Second Containment
Pipe: Interstitial Monitoring Double Walled Piping,Interstitial Monitoring/Second Containment

D13
SE
1/8-1/4
1267 ft.

CITY OF PONTIAC
123 E PIKE ST
PONTIAC, MI 48342

RCRA-SQG

1007101634
MIP200000567

Site 2 of 2 in cluster D

Relative:
Higher

RCRAInfo:

Contact: DAVID WHITING
(313) 857-7665

Actual:
939 ft.

Classification: Small Quantity Generator
TSD Activities: Not reported

Violation Status: No violations found

14
WSW
1/8-1/4
1301 ft.

OAKLAND PRESS & REMINDER
48 W HURON ST
PONTIAC, MI 48342

RCRA-SQG
FINDS

1000994090
MID005319884

Relative:
Higher

RCRAInfo:

Owner: CAPITAL CITIES ABC INC NEWS
EPA ID: MID005319884

Actual:
929 ft.

Contact: ROGER JOHN
(248) 253-9984

Classification: Conditionally Exempt Small Quantity Generator
TSD Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-OTHER REQUIREMENTS
Date Violation Determined: 02/27/1995
Actual Date Achieved Compliance: 05/31/1995

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/27/1995
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined: 02/27/1995
Actual Date Achieved Compliance: 05/31/1995

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/27/1995
Penalty Type: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

OAKLAND PRESS & REMINDER (Continued)**1000994090**

There are 2 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>
Compliance Evaluation Inspection	GENERATOR-OTHER REQUIREMENTS
	GENERATOR-MANIFEST REQUIREMENTS

Date of
Compliance
19950531
19950531

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

15
SSW
1/8-1/4
1315 ft.

CITY OF PONTIAC
SAGINAW & PIKE ST
PONTIAC, MI 48342

RCRA-SQG

1007097288
MIK334167673

Relative:
Higher

RCRAInfo:

Owner: CITY OF PONTIAC
EPA ID: MIK334167673

Actual:
922 ft.

Contact: MATTIE LASSEIGNE
(248) 857-5603

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

16
North
1/4-1/2
1358 ft.

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

LUST
UST

U003320371
N/A

Relative:
Higher

LUST:

Facility ID: 00004658
Release Number: Open
Release Date: Apr 19 2000
Facility Status: ACTIVE
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Voorhees Siple Funeral Home
Owner Address : 268 N Perry St
Pontiac, MI 48342
Country : USA
Owner Phone : (248) 332-8378
Contact : TIMOTHY D SUMMERFORD
Facility Phone : (248) 332-8378
Leak Number: C-0400-00

UST:

Facility ID: 00004658
Facility Status: Not reported
Tank ID: 1
Owner: Voorhees Siple Funeral Home
Owner Country: USA
Owner Contact: Not reported
Owner Address: 268 N Perry St
Pontiac, MI 48342
Owner Phone: (248) 332-8378

LFR

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

VOORHEES SIPLE FUNERAL HOME (Continued)

U003320371

Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Apr 19 2000
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Suction: Valve at Tank
Contact: TIMOTHY D SUMMERFORD
Contact Phone: (248) 332-8378
Impressed Device: No
Install Date: Jan 1 1955
Release Detection:
Tank: Not reported
Pipe: Not reported

17
WSW
1/4-1/2
1475 ft.

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

BEA S104910223
N/A

Relative:
Higher

BEA:

Actual:
922 ft.

BEA Number: 151
District: Southeast MI
Date Received: 1996-08-13
Submitter Name: KENNETH L. URWILLER II, ESQ.
Petition Determination: Affirmed
Category: No Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: taylorre
Division Assigned: Environmental Response Division
Secondary Address: Not reported

18
ENE
1/4-1/2
1580 ft.

OAK HILL CEMETERY
216 UNIVERSITY DR
PONTIAC, MI 48342

LUST U003321417
UST N/A

Relative:
Higher

LUST:

Actual:
936 ft.

Facility ID: 00008814
Release Number: Closed
Release Date: Feb 23 1999
Facility Status: CLOSED
District: SE Michigan District Office
Closed Date: Aug 6 1999
Owner Contact : Not reported
Owner Name : City Of Pontiac
Owner Address : 450 Wide Track Dr E
Pontiac, MI 48342
Country : USA
Owner Phone : (248) 857-7611
Contact : FRANK OLES
Facility Phone : (248) 857-7665
Leak Number: C-0139-99

UST:

Facility ID: 00008814
Facility Status: Not reported
Tank ID: 1
Owner: City Of Pontiac

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

OAK HILL CEMETERY (Continued)**U003321417**

Owner Country: USA
Owner Contact: Not reported
Owner Address: 450 Wide Track Dr E
Pontiac, MI 48342
Owner Phone: (248) 857-7611
Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Feb 16 1999
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel, Secondary Containment
Piping Type: Pressure, Suction: Valve at Tank
Contact: FRANK OLES
Contact Phone: (248) 857-7665
Impressed Device: No
Install Date: Jan 1 1987
Release Detection:
Tank: Not reported
Pipe: Not reported

19
SW
1/4-1/2
1595 ft.

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

**LUST U003426289
UST N/A**

**Relative:
Lower**

LUST:

Facility ID: 00039681
Release Number: Closed
Release Date: Mar 26 1998
Facility Status: CLOSED
District: SE Michigan District Office
Closed Date: May 13 1998
Owner Contact: Not reported
Owner Name: Oic Of Oakland County
Owner Address: 500 W HURON
PONTIAC, MI 48341
Country: USA
Owner Phone: (248) 334-8840
Contact: DANIEL HARPER
Facility Phone: (248) 334-8840
Leak Number: C-0233-98

UST:

Facility ID: 00039681
Facility Status: Not reported
Tank ID: 1
Owner: Oic Of Oakland County
Owner Country: USA
Owner Contact: Not reported
Owner Address: 500 W HURON
PONTIAC, MI 48341
Owner Phone: (248) 334-8840
Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Apr 8 1998
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

Database(s)
EDR ID Number
EPA ID Number

OIC OF OAKLAND COUNTY (Continued)

U003426289

Contact: DANIEL HARPER
Contact Phone: (248) 334-8840
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00039681
Facility Status: Not reported
Tank ID: 2
Owner: Oic Of Oakland County
Owner Country: USA
Owner Contact: Not reported
Owner Address: 500 W HURON
PONTIAC, MI 48341

Owner Phone: (248) 334-8840
Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Apr 8 1998
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Contact: DANIEL HARPER
Contact Phone: (248) 334-8840
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00039681
Facility Status: Not reported
Tank ID: 3
Owner: Oic Of Oakland County
Owner Country: USA
Owner Contact: Not reported
Owner Address: 500 W HURON
PONTIAC, MI 48341
Owner Phone: (248) 334-8840
Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Apr 8 1998
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Contact: DANIEL HARPER
Contact Phone: (248) 334-8840
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00039681

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

OIC OF OAKLAND COUNTY (Continued)**U003426289**

Facility Status: Not reported
Tank ID: 4
Owner: Oic Of Oakland County
Owner Country: USA
Owner Contact: Not reported
Owner Address: 500 W HURON
PONTIAC, MI 48341
Owner Phone: (248) 334-8840
Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Apr 8 1998
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Contact: DANIEL HARPER
Contact Phone: (248) 334-8840
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00039681
Facility Status: Not reported
Tank ID: 5
Owner: Oic Of Oakland County
Owner Country: USA
Owner Contact: Not reported
Owner Address: 500 W HURON
PONTIAC, MI 48341
Owner Phone: (248) 334-8840
Product: Used Oil
Capacity: 500
Tank Status: Removed from Ground
Remove Date: Apr 8 1998
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Contact: DANIEL HARPER
Contact Phone: (248) 334-8840
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

E20
SW
1/4-1/2
1663 ft.

MICHIGAN NATIONAL CORP
40 W PIKE ST
PONTIAC, MI 48342

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

Site 1 of 2 in cluster E

Relative:
Lower

LUST:

Actual:
916 ft.

Facility ID: 00040343
Release Number: Open
Release Date: Oct 13 1999
Facility Status: ACTIVE
District: SE Michigan District Office

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

Database(s)

EDR ID Number

EPA ID Number

MICHIGAN NATIONAL CORP (Continued)**U003758821**

Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Michigan Natl Corp
Owner Address : 27777 Inkster Rd
Farmington Hills, MI 48334
Country : USA
Owner Phone : (248) 473-3631
Contact : MICHAEL SMITH
Facility Phone : (810) 715-2525
Leak Number: C-0219-00

BEA:

BEA Number: 1028
District: Southeast MI
Date Received: 1999-11-19
Submitter Name: MICHIGAN NATIONAL CORPORATION
Petition Determination: No Request
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: 2000-04-06
Submitter Name: MICHIGAN NATIONAL CORPORATION
Petition Determination: Denied
Category: No Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: temppm
Division Assigned: Storage Tank Division
Secondary Address: Not reported

UST:

Facility ID: 00040343
Facility Status: Not reported
Tank ID: 1
Owner: Michigan Natl Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 27777 Inkster Rd
Farmington Hills, MI 48334
Owner Phone: (248) 473-3631
Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Mar 7 2000
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Suction: Valve at Tank
Contact: MICHAEL SMITH
Contact Phone: (810) 715-2525
Impressed Device: No
Install Date: Jan 1 1950
Release Detection:
Tank: Not reported
Pipe: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN NATIONAL CORP (Continued)**U003758821**

Facility ID: 00040343
Facility Status: Not reported
Tank ID: 2
Owner: Michigan Natl Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 27777 Inkster Rd
Farmington Hills, MI 48334
Owner Phone: (248) 473-3631
Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Mar 7 2000
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Suction: Valve at Tank
Contact: MICHAEL SMITH
Contact Phone: (810) 715-2525
Impressed Device: No
Install Date: Jan 1 1950
Release Detection:
Tank: Not reported
Pipe: Not reported

E21
SW
1/4-1/2
1663 ft.

40 WEST PIKE STREET, L.L.C.
40 WEST PIKE STREET
PONTIAC CITY, MI

Site 2 of 2 in cluster E

Relative:
Lower

BEA:

Actual:
916 ft.

BEA Number: 1268
District: Southeast MI
Date Received: 2000-12-28
Submitter Name: 40 WEST PIKE STREET, L.L.C.
Petition Determination: No Request
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: cckt
Division Assigned: Storage Tank Division
Secondary Address: Not reported

BEA **S104912608**
N/A

22
SW
1/4-1/2
1757 ft.

OAKLAND AUTO SUPPLY
50606 WOODWARD AVENUE
PONTIAC, MI 48342

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

Relative:
Lower

Actual:
916 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

OAKLAND AUTO SUPPLY (Continued)**1000276976**

RCRAInfo:

Contact: WILLIAM GRAHAM
(248) 334-2320

Classification: Small Quantity Generator

TSD Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

LUST:

Facility ID: 00035270
Release Number: Closed
Release Date: Mar 17 1992
Facility Status: CLOSED
District: SE Michigan District Office
Closed Date: Nov 13 1995
Owner Contact : Not reported
Owner Name : Erna Seiss
Owner Address : 2370 HILLCREST DR
BLOOMFIELD HILLS, MI 48302
Country : USA
Owner Phone : (734) 334-4025
Contact : HOWARD SEISS
Facility Phone : (734) 334-4025
Leak Number: C-0424-92

UST:

Facility ID: 00035270
Facility Status: Not reported
Tank ID: 1
Owner: Erna Seiss
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2370 HILLCREST DR
BLOOMFIELD HILLS, MI 48302
Owner Phone: (734) 334-4025
Product: Gasoline
Capacity: 2000
Tank Status: Removed from Ground
Remove Date: Apr 8 1992
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: HOWARD SEISS
Contact Phone: (734) 334-4025
Impressed Device: No
Install Date: Jan 1 1920
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00035270
Facility Status: Not reported
Tank ID: 2

LFR

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

OAKLAND AUTO SUPPLY (Continued)

1000276976

Owner: Erna Seiss
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2370 HILLCREST DR
BLOOMFIELD HILLS, MI 48302
Owner Phone: (734) 334-4025
Product: Gasoline
Capacity: 2000
Tank Status: Removed from Ground
Remove Date: Apr 8 1992
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: HOWARD SEISS
Contact Phone: (734) 334-4025
Impressed Device: No
Install Date: Jan 1 1920
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00035270
Facility Status: Not reported
Tank ID: 3
Owner: Erna Seiss
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2370 HILLCREST DR
BLOOMFIELD HILLS, MI 48302
Owner Phone: (734) 334-4025
Product: Gasoline
Capacity: 2000
Tank Status: Removed from Ground
Remove Date: Apr 8 1992
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: HOWARD SEISS
Contact Phone: (734) 334-4025
Impressed Device: No
Install Date: Jan 1 1920
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00035270
Facility Status: Not reported
Tank ID: 4
Owner: Erna Seiss
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2370 HILLCREST DR
BLOOMFIELD HILLS, MI 48302
Owner Phone: (734) 334-4025
Product: Gasoline
Capacity: 2000
Tank Status: Removed from Ground

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

OAKLAND AUTO SUPPLY (Continued)**1000276976**

Remove Date: Apr 8 1992
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: HOWARD SEISS
Contact Phone: (734) 334-4025
Impressed Device: No
Install Date: Jan 1 1920
Release Detection:
Tank: Not reported
Pipe: Not reported

23
SW
1/4-1/2
2059 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
Release Number: Open
Release Date: Dec 28 1990
Facility Status: ACTIVE
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Salvation Army Adult Rehabilitat
Owner Address : 118 W Lawrence St
Pontiac, MI 48341
Country : USA
Owner Phone : (313) 338-9601
Contact : CHARLES F. LIEURANCE
Facility Phone : (313) 338-9601
Leak Number: C-2796-90

UST:

Facility ID: 00003795
Facility Status: Not reported
Tank ID: 1
Owner: Salvation Army Adult Rehabilitat
Owner Country: USA
Owner Contact: Not reported
Owner Address: 118 W Lawrence St
Pontiac, MI 48341
Owner Phone: (313) 338-9601
Product: Gasoline
Capacity: 2000
Tank Status: Removed from Ground
Remove Date: May 16 1991
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: CHARLES F. LIEURANCE
Contact Phone: (313) 338-9601
Impressed Device: No
Install Date: Apr 25 1978
Release Detection:
Tank: Not reported
Pipe: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

SALVATION ARMY ADULT REHABILITAT (Continued)**U003320114**

Facility ID: 00003795
Facility Status: Not reported
Tank ID: 2
Owner: Salvation Army Adult Rehabilitat
Owner Country: USA
Owner Contact: Not reported
Owner Address: 118 W Lawrence St
Pontiac, MI 48341
Owner Phone: (313) 338-9601
Product: Gasoline
Capacity: 500
Tank Status: Removed from Ground
Remove Date: May 16 1991
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: CHARLES F. LIEURANCE
Contact Phone: (313) 338-9601
Impressed Device: No
Install Date: Apr 25 1978
Release Detection:
Tank: Not reported
Pipe: Not reported

24
ENE
1/4-1/2
2095 ft.

GORDON AUTOMOTIVE
200 N PADDOCK
PONTIAC, MI 48342

LUST **U002302629**
UST **N/A**

Relative:
Higher

LUST:

Actual:
920 ft.

Facility ID: 00035482
Release Number: Closed
Release Date: Sep 9 1992
Facility Status: CLOSED
District: SE Michigan District Office
Closed Date: Mar 1 1996
Owner Contact : Not reported
Owner Name : Gordon Automotive
Owner Address : 200 N PADDOCK AVE
PONTIAC, MI 48342
Country : USA
Owner Phone : (248) 858-8868
Contact : GORDON BROOKINS
Facility Phone : (248) 858-8868
Leak Number: C-1561-92

Facility ID: 00035482
Release Number: Closed
Release Date: Sep 9 1992
Facility Status: CLOSED
District: SE Michigan District Office
Closed Date: Mar 1 1996
Owner Contact : Not reported
Owner Name : Gordon Automotive
Owner Address : 200 N PADDOCK AVE
PONTIAC, MI 48342
Country : USA
Owner Phone : (248) 858-8868

LFR

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

Database(s)
EDR ID Number
EPA ID Number

GORDON AUTOMOTIVE (Continued)

U002302629

Contact : GORDON BROOKINS
Facility Phone : (248) 858-8868
Leak Number: C-1473-85

UST:

Facility ID: 00035482
Facility Status: Not reported
Tank ID: 1
Owner: Gordon Automotive
Owner Country: USA
Owner Contact: Not reported
Owner Address: 200 N PADDOCK AVE
PONTIAC, MI 48342
Owner Phone: (248) 858-8868
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: Sep 11 1992
Constr Material: Unknown
Piping Material: Unknown
Piping Type: Not reported
Contact: GORDON BROOKINS
Contact Phone: (248) 858-8868
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00035482
Facility Status: Not reported
Tank ID: 2
Owner: Gordon Automotive
Owner Country: USA
Owner Contact: Not reported
Owner Address: 200 N PADDOCK AVE
PONTIAC, MI 48342
Owner Phone: (248) 858-8868
Product: Diesel
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Sep 11 1992
Constr Material: Unknown
Piping Material: Unknown
Piping Type: Not reported
Contact: GORDON BROOKINS
Contact Phone: (248) 858-8868
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00035482
Facility Status: Not reported
Tank ID: 3
Owner: Gordon Automotive
Owner Country: USA

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

GORDON AUTOMOTIVE (Continued)**U002302629**

Owner Contact: Not reported
Owner Address: 200 N PADDOCK AVE
PONTIAC, MI 48342
Owner Phone: (248) 858-8868
Product: Diesel
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Sep 11 1992
Constr Material: Unknown
Piping Material: Unknown
Piping Type: Not reported
Contact: GORDON BROOKINS
Contact Phone: (248) 858-8868
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00035482
Facility Status: Not reported
Tank ID: 4
Owner: Gordon Automotive
Owner Country: USA
Owner Contact: Not reported
Owner Address: 200 N PADDOCK AVE
PONTIAC, MI 48342
Owner Phone: (248) 858-8868
Product: Used Oil
Capacity: 550
Tank Status: Removed from Ground
Remove Date: Sep 11 1992
Constr Material: Unknown
Piping Material: Unknown
Piping Type: Not reported
Contact: GORDON BROOKINS
Contact Phone: (248) 858-8868
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

25
WSW
1/4-1/2
2285 ft.

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

LUST S102726422
N/A

Relative:
Higher

LUST:

Actual:
936 ft.

Facility ID: 50002093
Release Number: Open
Release Date: Aug 13 1997
Facility Status: ACTIVE
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Nrt Owner
Owner Address : Unknown
Unknown, MI 99999

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

FORMER FORTERS AUTO WASH (Continued)**S102726422**

Country : USA
Owner Phone : Not reported
Contact : LARRY DROPIEWSKI
Facility Phone : (810) 977-0678
Leak Number: C-0698-97

F26
SSW
1/4-1/2
2315 ft.

CITY OF PONTIAC/PARCEL 63
87 ORCHARD LAKE ROAD
PONTIAC, MI 48341

BEA **S104910569**
N/A

Site 1 of 2 in cluster F

Relative:
Higher

BEA:

Actual:
924 ft.

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

F27
SSW
1/4-1/2
2333 ft.

PARCEL 62
93 ORCHARD LAKE RD
PONTIAC, MI 48341

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

Site 2 of 2 in cluster F

Relative:
Higher

LUST:

Actual:
921 ft.

Facility ID: 00039305
Release Number: Open
Release Date: Apr 14 1997
Facility Status: ACTIVE
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : City Of Pontiac
Owner Address : 55 Wesson St
Pontiac, MI 48341
Country : USA
Owner Phone : (248) 857-7746
Contact : JOSEPH YOUNG
Facility Phone : (248) 887-7720
Leak Number: C-0231-97

UST:

Facility ID: 00039305
Facility Status: Not reported
Tank ID: 1
Owner: City Of Pontiac
Owner Country: USA
Owner Contact: Not reported
Owner Address: 55 Wesson St
Pontiac, MI 48341
Owner Phone: (248) 857-7746
Product: UNK
Capacity: 550

LFR

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

PARCEL 62 (Continued)

U003426191

Tank Status: Removed from Ground
Remove Date: Apr 14 1997
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: JOSEPH YOUNG
Contact Phone: (248) 887-7720
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00039305
Facility Status: Not reported
Tank ID: 2
Owner: City Of Pontiac
Owner Country: USA
Owner Contact: Not reported
Owner Address: 55 Wesson St
Pontiac, MI 48341

Owner Phone: (248) 857-7746
Product: UNK
Capacity: 550
Tank Status: Removed from Ground
Remove Date: Apr 14 1997
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: JOSEPH YOUNG
Contact Phone: (248) 887-7720
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

28
West
1/4-1/2
2383 ft.

C. LANE MALLY, L.L.C.
109 NORTH CASS AVENUE
PONTIAC, MI 48342

BEA S104911953
N/A

Relative:
Higher

BEA:

Actual:
926 ft.

BEA Number: 720
District: Southeast MI
Date Received: 1998-09-23
Submitter Name: C. LANE MALLY
Petition Determination: Affirmed
Category: Same Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: tempm
Division Assigned: Environmental Response Division
Secondary Address: Not reported

LFR

Sep 10, 2009 15:58

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

29
South
1/4-1/2
2451 ft.

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

LUST **S102726265**
N/A

Relative:
Higher

LUST:

Actual:
935 ft.

Facility ID: 50001534
Release Number: Closed
Release Date: Nov 18 1988
Facility Status: CLOSED
District: SE Michigan District Office
Closed Date: Sep 18 1995
Owner Contact : Not reported
Owner Name : Nrt Owner
Owner Address : Unknown
Unknown, MI 99999
Country : USA
Owner Phone : Not reported
Contact : Not reported
Facility Phone : () -
Leak Number: C-0677-85

30
SE
1/4-1/2
2553 ft.

RICKS GAS STATION/JOSEPH LEE EST
157 AUBURN AVE
PONTIAC, MI 48226

LUST **U000261877**
UST **N/A**

Relative:
Higher

LUST:

Actual:
942 ft.

Facility ID: 00012376
Release Number: Open
Release Date: Jan 14 1993
Facility Status: ACTIVE
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Lee Real Estate Co A MI Co-Partn
Owner Address : 660 Woodward Ave Ste 1300
Detroit, MI 48226
Country : USA
Owner Phone : (313) 961-2550
Contact : BLAIR PERSON ESQ
Facility Phone : (313) 961-2550
Leak Number: C-0082-93

UST:

Facility ID: 00012376
Facility Status: Not reported
Tank ID: 1
Owner: Lee Real Estate Co A MI Co-Partn
Owner Country: USA
Owner Contact: Not reported
Owner Address: 660 Woodward Ave Ste 1300
Detroit, MI 48226
Owner Phone: (313) 961-2550
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: Jan 15 1993
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Pressure

LFR

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

Database(s)
EDR ID Number
EPA ID Number

RICKS GAS STATION/JOSEPH LEE EST (Continued)

U000261877

Contact: BLAIR PERSON ESQ
Contact Phone: (313) 961-2550
Impressed Device: No
Install Date: May 2 1958
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00012376
Facility Status: Not reported
Tank ID: 2
Owner: Lee Real Estate Co A MI Co-Partn
Owner Country: USA
Owner Contact: Not reported
Owner Address: 660 Woodward Ave Ste 1300
Detroit, MI 48226
Owner Phone: (313) 961-2550
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: Jan 15 1993
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Pressure
Contact: BLAIR PERSON ESQ
Contact Phone: (313) 961-2550
Impressed Device: No
Install Date: May 2 1958
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00012376
Facility Status: Not reported
Tank ID: 3
Owner: Lee Real Estate Co A MI Co-Partn
Owner Country: USA
Owner Contact: Not reported
Owner Address: 660 Woodward Ave Ste 1300
Detroit, MI 48226
Owner Phone: (313) 961-2550
Product: Gasoline
Capacity: 10000
Tank Status: Removed from Ground
Remove Date: Jan 15 1993
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Pressure
Contact: BLAIR PERSON ESQ
Contact Phone: (313) 961-2550
Impressed Device: No
Install Date: May 2 1958
Release Detection:
Tank: Not reported
Pipe: Not reported

LFR

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

31
South
1/4-1/2
2573 ft.

VACANT LOT
147 S SAGINAW
PONTIAC, MI 48302

LUST
UST

U003330432
N/A

Relative:
Higher

LUST:

Actual:
934 ft.

Facility ID: 00039574
Release Number: Closed
Release Date: Oct 15 1996
Facility Status: CLOSED
District: SE Michigan District Office
Closed Date: Apr 9 1998
Owner Contact : Not reported
Owner Name : Dr Herbert Issac
Owner Address : 1711 S Woodward Ave Ste 103
Bloomfield Hills, MI 48302
Country : USA
Owner Phone : (248) 334-4773
Contact : DR HERBERT ISAAC
Facility Phone : (248) 334-4773
Leak Number: C-0824-96

UST:

Facility ID: 00039574
Facility Status: Not reported
Tank ID: 1
Owner: Dr Herbert Issac
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1711 S Woodward Ave Ste 103
Bloomfield Hills, MI 48302
Owner Phone: (248) 334-4773
Product: UNK
Capacity: 550
Tank Status: Removed from Ground
Remove Date: Mar 1 1998
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: DR HERBERT ISAAC
Contact Phone: (248) 334-4773
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00039574
Facility Status: Not reported
Tank ID: 2
Owner: Dr Herbert Issac
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1711 S Woodward Ave Ste 103
Bloomfield Hills, MI 48302
Owner Phone: (248) 334-4773
Product: UNK
Capacity: 550
Tank Status: Removed from Ground
Remove Date: Mar 1 1998

LFR

Sep 10, 2009 15:58

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number

EPA ID Number

VACANT LOT (Continued)**U003330432**

Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: DR HERBERT ISAAC
Contact Phone: (248) 334-4773
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

G32
WNW
1/4-1/2
2582 ft.

PONTIAC PUBLIC SCHOOL ACADEMY
140 NORTH CASS
PONTIAC, MI 48342

BEA S105254630
N/A

Site 1 of 2 in cluster G

Relative:
Higher

BEA:

Actual:
925 ft.

BEA Number: 1597
District: Southeast MI
Date Received: 2002-01-04
Submitter Name: PONTIAC PUBLIC SCHOOL ACADEMY
Petition Determination: No Request
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mathewsb
Division Assigned: Environmental Response Division
Secondary Address: Not reported

G33
WNW
1/4-1/2
2582 ft.

BAYPON ACADEMY LEASING LLC
140 NORTH CASS
PONTIAC, MI 48342

BEA S105095080
N/A

Site 2 of 2 in cluster G

Relative:
Higher

BEA:

Actual:
925 ft.

BEA Number: 1489
District: Southeast MI
Date Received: 2001-09-11
Submitter Name: BAYPON ACADEMY LEASING LLC
Petition Determination: No Request
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: labrecqd
Division Assigned: Environmental Response Division
Secondary Address: Not reported

34
South
1/2-1
3092 ft.

ASPHALT SPECIALIST INC
1908 WIDE TRACK DRIVE
PONTIAC, MI 48342

SHWS S105144543
DEL SHWS N/A

Relative:
Higher

SHWS:

Actual:
936 ft.

Facility ID: 63000153
Facility Status: Delisted - no longer meets criteria specified in rules
Source: Asphalt Felts & Coatings
Pollutant(s): Diesel fuel
SAM Score: 21

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

ASPHALT SPECIALIST INC (Continued)

S105144543

SAM Score Date: 08/09/1991
Township: 03N
Range: 10E
Section: 32
Quarter: NE
Quarter/Quarter: NE

DELETED HWS:

Facility ID : 63000153
Status : Delisted - no longer meets criteria specified in rules

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LFR
Sep 10, 2009 15:58

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PONTIAC	S104912442	RAILROAD RIGHT-OF-WAY (FORMER)	BET. OAKLAND AVENUE /		BEA
PONTIAC	S104912294	MICHIGAN CAT RENTAL SERVICES	SW CORNER OF WIDE TRACK DRIVE		BEA
PONTIAC	S105144527	KENNETT RD LF	KENNETT ROAD		SHWS
PONTIAC	1007266554	1824 W. LAWRENCE	1824 W. LAWRENCE		US BROWNFIELDS
PONTIAC	S104912087	HARRIS LAKE PARK DEVELOPMENT	MONTCALM STREET WEST OF SAGINAW		BEA
PONTIAC	1007989866	JAY SHOP INC	242 OAKLAND AVE	48342	RCRA-SQG
PONTIAC	1006882488	41 SAGINAW STREET	41 SAGINAW STREET	48342	US BROWNFIELDS

Confidential under FOIA
Alex Rothchild
LFR
Sep 10, 2009 15:58

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

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

Date of Government Version: 04/28/05

Date Made Active at EDR: 05/16/05

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/04/05

Elapsed ASTM days: 12

Date of Last EDR Contact: 05/04/05

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 04/27/05

Date Made Active at EDR: 05/16/05

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/04/05

Elapsed ASTM days: 12

Date of Last EDR Contact: 05/04/05

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

Source: EPA

Telephone: 703-413-0223

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

Date of Government Version: 02/15/05

Date Made Active at EDR: 04/06/05

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/22/05

Elapsed ASTM days: 15

Date of Last EDR Contact: 03/22/05

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/22/05
 Date Made Active at EDR: 04/06/05
 Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/01/05
 Elapsed ASTM days: 5
 Date of Last EDR Contact: 04/01/05

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/29/05
 Date Made Active at EDR: 05/16/05
 Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/11/05
 Elapsed ASTM days: 35
 Date of Last EDR Contact: 03/07/05

RCRA: Resource Conservation and Recovery Act Information

Source: EPA

Telephone: 800-424-9346

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/13/05
 Date Made Active at EDR: 04/25/05
 Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/23/05
 Elapsed ASTM days: 33
 Date of Last EDR Contact: 03/23/05

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard

Telephone: 202-260-2342

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

Date of Government Version: 12/31/04
 Date Made Active at EDR: 03/24/05
 Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/27/05
 Elapsed ASTM days: 56
 Date of Last EDR Contact: 04/25/05

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

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

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

Date of Last EDR Contact: 04/15/05
 Date of Next Scheduled EDR Contact: 06/13/05

CONSENT: Superfund (CERCLA) Consent Decrees

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/14/04
Database Release Frequency: Varies

Date of Last EDR Contact: 04/26/05
Date of Next Scheduled EDR Contact: 07/25/05

ROD: Records Of Decision

Source: EPA
Telephone: 703-416-0223

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

Date of Government Version: 01/10/05
Database Release Frequency: Annually

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/28/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/04/05
Date of Next Scheduled EDR Contact: 08/01/05

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA
Telephone: N/A

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

Date of Government Version: 04/11/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4555

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

Date of Government Version: 12/31/04
Database Release Frequency: Annually

Date of Last EDR Contact: 04/19/05
Date of Next Scheduled EDR Contact: 07/18/05

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/12/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/11/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/30/05
Date of Next Scheduled EDR Contact: 06/27/05

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 202-564-4267

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

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

Date of Last EDR Contact: 02/22/05
Date of Next Scheduled EDR Contact: 05/23/05

PADS: PCB Activity Database System

Source: EPA
Telephone: 202-564-3887

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/30/05
Database Release Frequency: Annually

Date of Last EDR Contact: 05/10/05
Date of Next Scheduled EDR Contact: 08/08/05

DOD: Department of Defense Sites

Source: USGS
Telephone: 703-692-8801

This data set consists of federally owned or administered lands administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

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

Date of Last EDR Contact: 02/08/05
Date of Next Scheduled EDR Contact: 05/09/05

UMTRA: Uranium Mill Tailings Sites

Source: Department of Energy
Telephone: 505-845-0011

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

Date of Government Version: 12/29/04
Database Release Frequency: Varies

Date of Last EDR Contact: 03/22/05
Date of Next Scheduled EDR Contact: 06/20/05

ODI: Open Dump Inventory

Source: Environmental Protection Agency
Telephone: 800-424-9346

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: 06/30/85
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/23/95
Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/03
Database Release Frequency: Varies

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

INDIAN RESERV: Indian Reservations

Source: USGS
Telephone: 202-208-3710

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

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

Date of Last EDR Contact: 02/08/05
Date of Next Scheduled EDR Contact: 05/09/05

US ENG CONTROLS: Engineering Controls Sites List

Source: Environmental Protection Agency
Telephone: 703-603-8867

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: 01/10/05
Database Release Frequency: Varies

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

RAATS: RCRA Administrative Action Tracking System

Source: EPA
Telephone: 202-564-4104

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

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

Date of Last EDR Contact: 03/07/05
Date of Next Scheduled EDR Contact: 06/06/05

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-566-0250

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

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 03/22/05
Date of Next Scheduled EDR Contact: 06/20/05

TSCA: Toxic Substances Control Act

Source: EPA
Telephone: 202-260-5521

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

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

Date of Last EDR Contact: 04/05/05
Date of Next Scheduled EDR Contact: 06/06/05

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

Source: EPA
Telephone: 202-566-1667

Date of Government Version: 04/13/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/21/05
Date of Next Scheduled EDR Contact: 06/20/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**SSTS: Section 7 Tracking Systems**

Source: EPA

Telephone: 202-564-4203

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: 12/31/03

Database Release Frequency: Annually

Date of Last EDR Contact: 04/19/05

Date of Next Scheduled EDR Contact: 07/18/05

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

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/05

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/21/05

Date of Next Scheduled EDR Contact: 06/20/05

STATE OF MICHIGAN ASTM STANDARD RECORDS**SHWS: Contaminated Sites**

Source: Department of Environmental Quality

Telephone: 517-373-9541

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 02/17/05

Date Made Active at EDR: 04/01/05

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/23/05

Elapsed ASTM days: 37

Date of Last EDR Contact: 02/23/05

SWF/LF: Solid Waste Facilities Database

Source: Department of Environmental Quality

Telephone: 517-335-4035

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

Date of Government Version: 03/01/05

Date Made Active at EDR: 04/08/05

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 03/15/05

Elapsed ASTM days: 24

Date of Last EDR Contact: 04/25/05

LUST: Leaking Underground Storage Tank Sites

Source: Department of Environmental Quality

Telephone: 517-373-8168

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/14/05

Date Made Active at EDR: 04/08/05

Database Release Frequency: Annually

Date of Data Arrival at EDR: 03/15/05

Elapsed ASTM days: 24

Date of Last EDR Contact: 03/15/05

UST: Underground Storage Tank Facility List

Source: Department of Environmental Quality

Telephone: 517-373-8168

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/14/05
 Date Made Active at EDR: 04/12/05
 Database Release Frequency: Annually

Date of Data Arrival at EDR: 03/15/05
 Elapsed ASTM days: 28
 Date of Last EDR Contact: 03/15/05

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

Source: DEPT. OF ENVIRONMENTAL QUALITY
 Telephone: 517-373-9541

Date of Government Version: 03/17/05
 Date Made Active at EDR: 04/08/05
 Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 03/18/05
 Elapsed ASTM days: 21
 Date of Last EDR Contact: 03/14/05

INDIAN UST: Underground Storage Tanks on Indian Land

Source: EPA Region 5
 Telephone: 312-886-6136

Date of Government Version: 12/02/04
 Date Made Active at EDR: 02/04/05
 Database Release Frequency: Varies

Date of Data Arrival at EDR: 12/29/04
 Elapsed ASTM days: 37
 Date of Last EDR Contact: 02/22/05

HIST LF: Inactive Solid Waste Facilities

Source: Department of Environmental Quality
 Telephone: 517-335-4034

The database contains historical information and is no longer updated.

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

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

STATE OF MICHIGAN ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Tanks

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

Date of Government Version: 04/11/05
 Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/14/05
 Date of Next Scheduled EDR Contact: 06/13/05

DEL SHWS: Delisted List of Contaminated Sites

Source: Department of Environmental Quality
 Telephone: 517-373-9541

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

Date of Government Version: 02/24/05
 Database Release Frequency: Varies

Date of Last EDR Contact: 02/22/05
 Date of Next Scheduled EDR Contact: 05/23/05

PEAS: Pollution Emergency Alerting System

Source: Department of Environmental Quality
 Telephone: 517-373-8427

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 03/30/05
 Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/05/05
 Date of Next Scheduled EDR Contact: 07/04/05

DRYCLEANERS: Drycleaning Establishments

Source: Department of Environmental Quality
 Telephone: 517-335-4586

A listing of drycleaning facilities in Michigan.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sep 10, 2009 15:58

Date of Government Version: 02/18/05
Database Release Frequency: Varies

Date of Last EDR Contact: 02/14/05
Date of Next Scheduled EDR Contact: 05/16/05

EDR PROPRIETARY HISTORICAL DATABASES

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

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BROWNFIELDS DATABASES**US BROWNFIELDS:** A Listing of Brownfields Sites

Source: Environmental Protection Agency
Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become 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: 01/10/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/14/05
Date of Next Scheduled EDR Contact: 06/13/05

BROWNFIELDS: Brownfields and USTfield Site Database

Source: Department of Environmental Quality
Telephone: 517-373-4805

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process.

Date of Government Version: 04/01/05
Database Release Frequency: Varies

Date of Last EDR Contact: 02/23/05
Date of Next Scheduled EDR Contact: 05/23/05

US INST CONTROL: Sites with Institutional Controls

Source: Environmental Protection Agency
Telephone: 703-603-8867

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/10/05
Database Release Frequency: Varies

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

OTHER DATABASE(S)

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

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

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

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

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services
Telephone: 517-373-8300

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM**TARGET PROPERTY ADDRESS**

EMPLOYEE DEVELOPMENT CENTER
65 E UNIVERSITY
PONTIAC, MI 48342

TARGET PROPERTY COORDINATES

Latitude (North): 42.640099 - 42° 38' 24.4"
Longitude (West): 83.290298 - 83° 17' 25.1"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 312226.1
UTM Y (Meters): 4723178.0
Elevation: 918 ft. above sea level

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

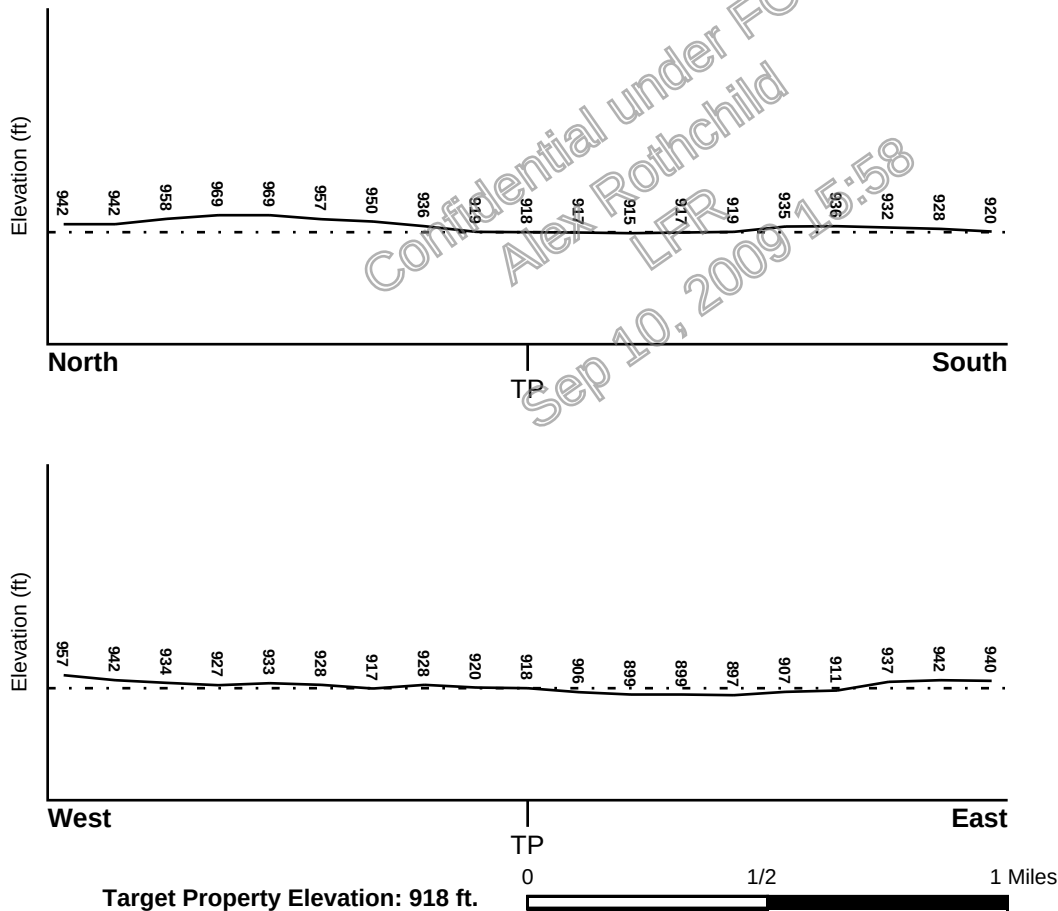
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

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

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**HYDROLOGIC INFORMATION**

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

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

FEMA FLOOD ZONE

Target Property County
OAKLAND, MI

FEMA Flood
Electronic Data
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

NWI Quad at Target Property
PONTIAC NORTH

NWI Electronic
Data Coverage
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 FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	0 - 1/8 Mile ENE	SSW
14	1/2 - 1 Mile SSE	Not Reported
15	1/2 - 1 Mile North	SW

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**GROUNDWATER FLOW VELOCITY INFORMATION**

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

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

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: URBANLAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

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

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

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

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

OTHER SOIL TYPES IN AREA

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

Soil Surface Textures: loamy sand
sandy loam
silt loam
muck

Surficial Soil Types: loamy sand
sandy loam
silt loam
muck

Shallow Soil Types: loamy sand

Deeper Soil Types: fine sand
stratified
muck

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

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

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	USGS2308742	0 - 1/8 Mile SSE
A5	USGS2308740	0 - 1/8 Mile South
6	USGS2308734	1/4 - 1/2 Mile South
7	USGS2308743	1/4 - 1/2 Mile East
8	USGS2308744	1/4 - 1/2 Mile East
B9	USGS2308749	1/2 - 1 Mile WNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
B10	USGS2308748	1/2 - 1 Mile WNW
11	USGS2308730	1/2 - 1 Mile SSW
12	USGS2308761	1/2 - 1 Mile North
13	USGS2308728	1/2 - 1 Mile SSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A3	MI2010663	0 - 1/8 Mile SSW

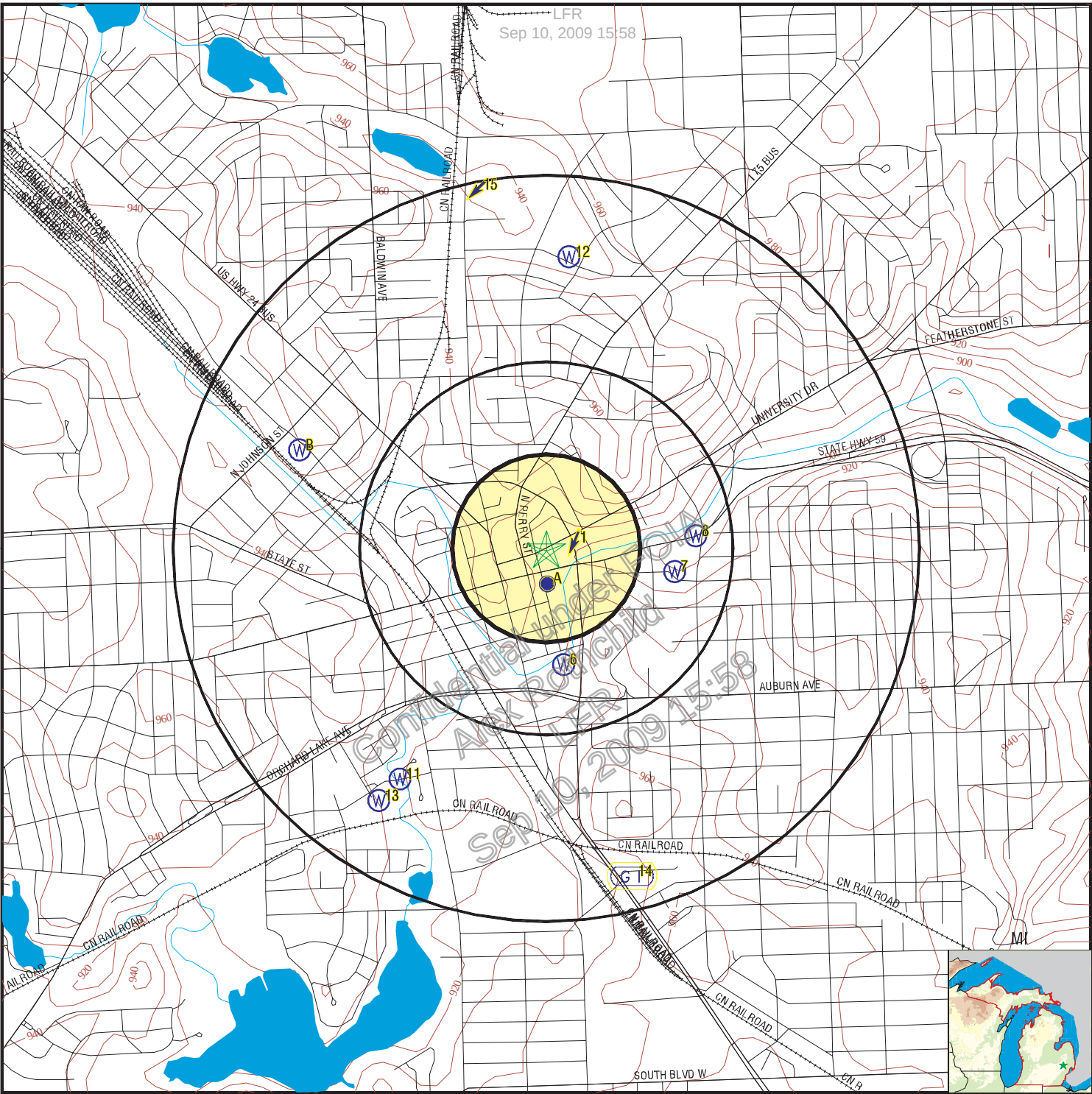
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

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PHYSICAL SETTING SOURCE MAP - 1435947.2s



- 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
- G1 Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

TARGET PROPERTY: Employee Development Center
ADDRESS: 65 E University
CITY/STATE/ZIP: Pontiac MI 48342
LAT/LONG: 42.6401 / 83.2903

CUSTOMER: EEC
CONTACT: Lauren Farrell
INQUIRY #: 1435947.2s
DATE: June 06, 2005 9:02 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

1
ENE
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
SSE
0 - 1/8 Mile
Lower

FED USGS USGS2308742

Agency cd: USGS Site no: 423820083172401
Site name: 03N 10E 29DADA 01
Latitude: 423820
Longitude: 0831724 Dec lat: 42.63892157
Dec lon: -83.28993572 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: 910 Altitude method: M
Altitude accuracy: 10 Altitude datum: NGVD29
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	
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A3
SSW
0 - 1/8 Mile
Higher

FRDS PWS MI2010663

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS ID: MI2010663 PWS Status: Active
 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

PWS currently has or had major violation(s) or enforcement: No

A5
South
0 - 1/8 Mile
Lower

FED USGS USGS2308740

Agency cd:	USGS	Site no:	423818083172501
Site name:	03N 10E 29DADD 01		
Latitude:	423818		
Longitude:	0831725	Dec lat:	42.63836602
Dec lon:	-83.29021348	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:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
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

6
South
1/4 - 1/2 Mile
Higher

FED USGS USGS2308734

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	423808083172201
Site name:	03N 10E 29DDDA 01		
Latitude:	423808		
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:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
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

	Feet below	Feet to
Date	Surface	Sealevel

1929-06-01	44.00
------------	-------

7

East
1/4 - 1/2 Mile
Lower

FED USGS USGS2308743

Agency cd:	USGS	Site no:	423821083170101
Site name:	03N 10E 28CACB 01		
Latitude:	423821		
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:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1956-01-17
 Ground water data begin date: 1926-01-01
 Ground water data count: 1

Water quality data begin date: 1926-06-17
 Water quality data count: 5
 Ground water data end date: 1926-01-01

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	Dec lat:	42.64058827
Longitude:	0831657	Coor meth:	M
Dec lon:	-83.28243561	Latlong datum:	NAD27
Coor accr:	F	District:	26
Dec latlong datum:	NAD83	County:	125
State:	26	Land net:	S28T03NR10EM
Country:	US	Map scale:	Not Reported
Location map:	Not Reported	Altitude method:	M
Altitude:	890	Altitude datum:	NGVD29
Altitude accuracy:	10		
Hydrologic:	Clinton. Michigan. Area = 742 sq.mi.	Date construction:	19260101
Topographic:	Not Reported	Mean greenwich time offset:	EST
Site type:	Ground-water other than Spring	Type of ground water site:	Single well, other than collector or Ranney type
Date inventoried:	Not Reported		
Local standard time flag:	Y		
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**

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	423838083181202
Site name:	03N 10E 29BCAB 02		
Latitude:	423838		
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:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
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		

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		
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:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
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

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1960-06-06
 Ground water data begin date: 1940-01-01
 Ground water data count: 1

Water quality data begin date: 1960-06-06
 Water quality data count: 1
 Ground water data end date: 1940-01-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1940-01-01	60.00	

11
SSW
1/2 - 1 Mile
Higher

FED USGS USGS2308730

Agency cd:	USGS	Site no:	423752083175302
Site name:	03N 10E 32ABCC 02		
Latitude:	423752		
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:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
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
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	

12
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		
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:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
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

13

SSW

1/2 - 1 Mile
Higher

FED USGS

USGS2308728

Agency cd:	USGS	Site no:	423749083175702
Site name:	03N 10E 32BADD 02		
Latitude:	423749		
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:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
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

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Peak flow data count: 0

Water quality data end date: 1941-07-03

Ground water data begin date: 1923-03-01

Ground water data count: 1

Water quality data begin date: 1929-01-01

Water quality data count: 3

Ground water data end date: 1923-03-01

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
North
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

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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 $\geq$ 2 pCi/L and $\leq$ 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%

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PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

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

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

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture/ Natural Resources Conservation Services

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

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED**STATE RECORDS****Water Well Data**

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

Michigan Oil and Gas Wells

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

RADON**State Database: MI Radon**

Source: Department of Environmental Quality
Telephone: 517-335-9551
Radon Test Results

Michigan Radon Test Results

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

Area Radon Information

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

EPA Radon Zones

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

OTHER**Airport Landing Facilities:** Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

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APPENDIX E

Historical Information

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"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Lauren Farrell
EEC
10559 Citation Drive
Brighton, MI 48116

Order Date: 6/3/2005 **Completion Date:** 6/6/2005

Inquiry #: 1435947.3S

P.O. #: 64436.155

Site Name: Employee Development Center

Address: 65 E University

City/State: Pontiac, MI 48342

Cross Streets:

Customer Project: 64436.155
1232387DPM 810-229-8594

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

1909 - 1 Map
1915 - 1 Map
1919 - 1 Map
1924 - 1 Map
1950 - 1 Map
1970 - 1 Map

Limited Permission to Photocopy

Total Maps: 6

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

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This User's Guide provides guidelines for accessing Sanborn Map® images and for transferring them to your Word Processor.

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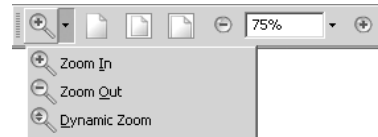
- Sanborn Maps document historical property use by displaying property information through words, abbreviations, and map symbols. The Sanborn Map Key provides information to help interpret the symbols and abbreviations used on Sanborn Maps. The Key is available from EDR's Web Site at: <http://www.edrnet.com/reports/samples/key.pdf>

Organization of Electronic Sanborn Image File

- Sanborn Map Report, listing years of coverage
- User's Guide
- Oldest Sanborn Map Image
- Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

- Open file on screen.
- Identify TP (Target Property) on the most recent map.
- Find TP on older printed images.
- Using Acrobat® Reader®, zoom to 250% in order to view more clearly. (200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.)
 - On the menu bar, click "View" and then "Zoom to..."
 - Or, use the magnifying tool and drag a box around the TP



Printing a Sanborn Map From the Electronic File

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

Acrobat Versions 6 and 7

- Go to the menu bar
- Click the "Select Tool"
- Draw a box around the area selected
- "Right click" on your mouse
- Select "Copy Image to Clipboard"
- Go to Word Processor such as Microsoft Word, paste and print.



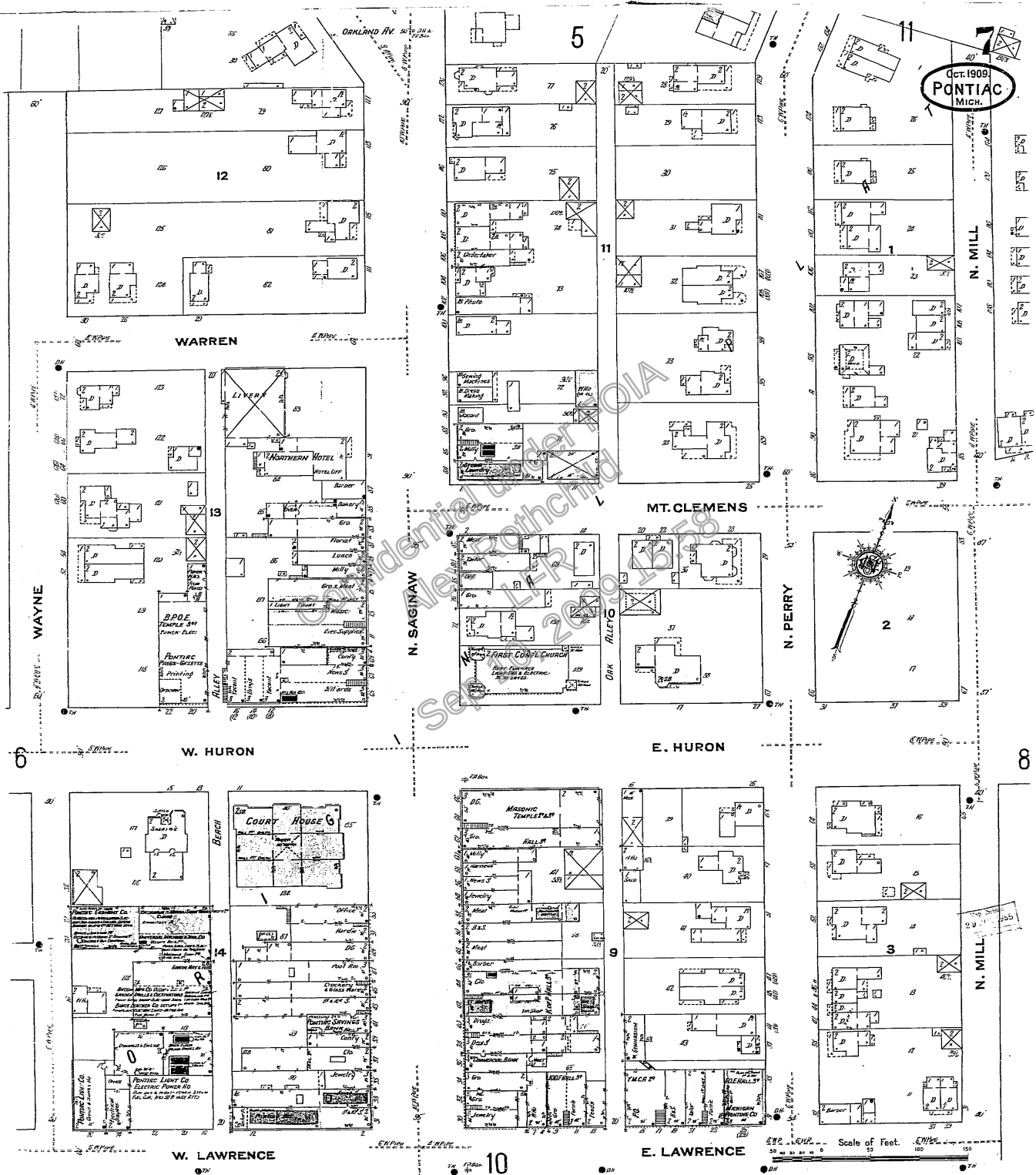
Acrobat Version 5

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



Important Information about Email Delivery of Electronic Sanborn Map Images

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



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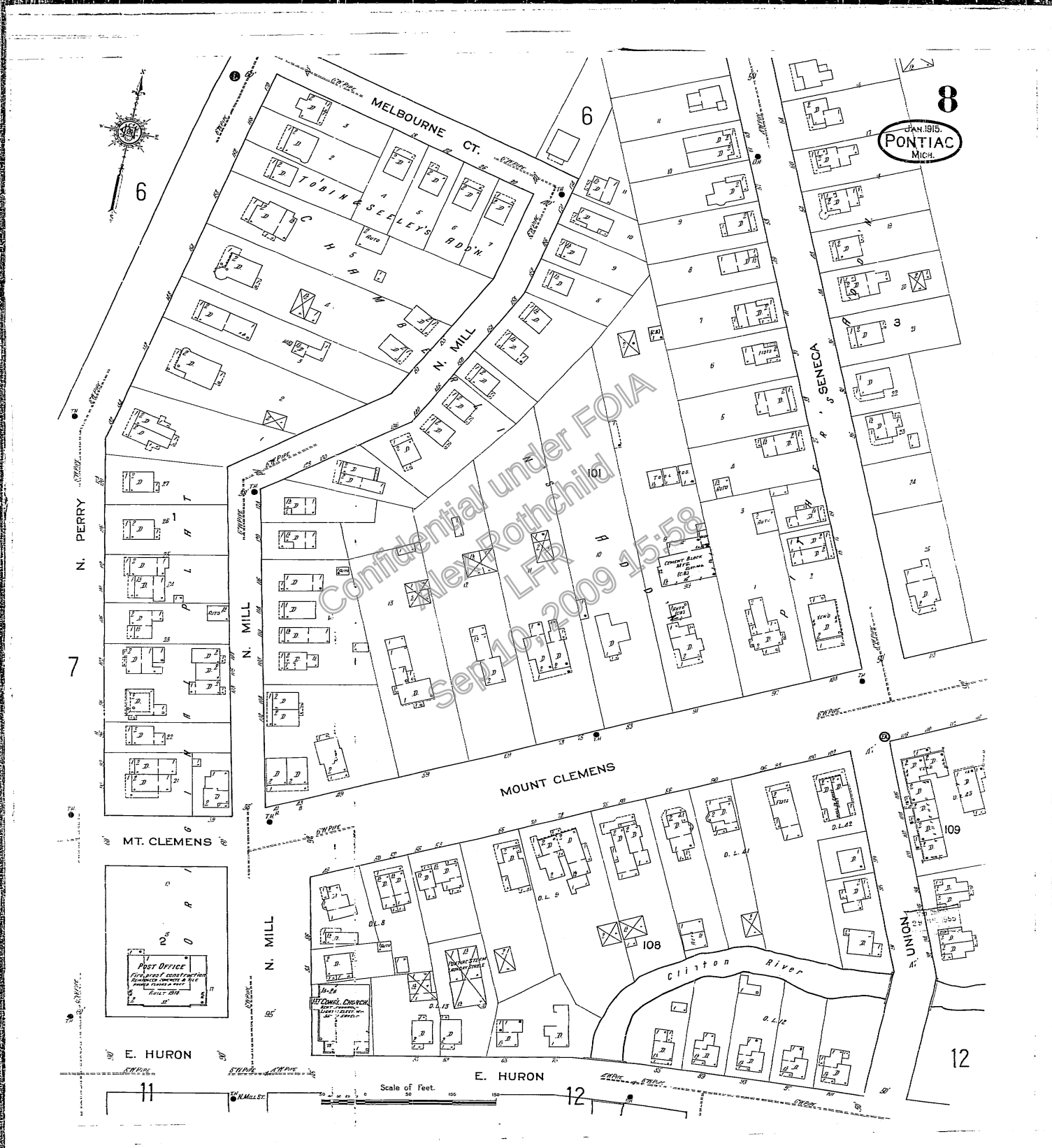


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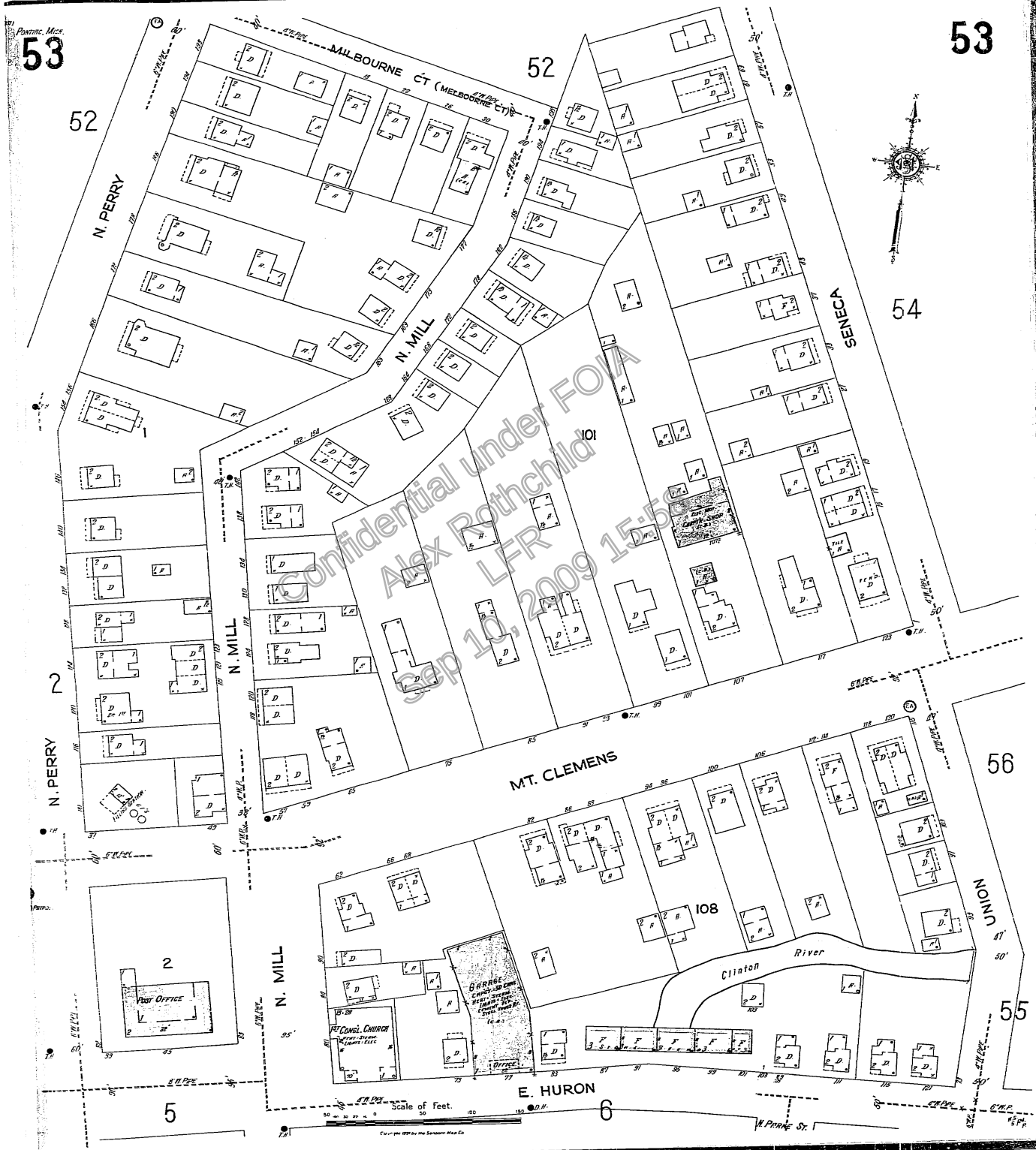
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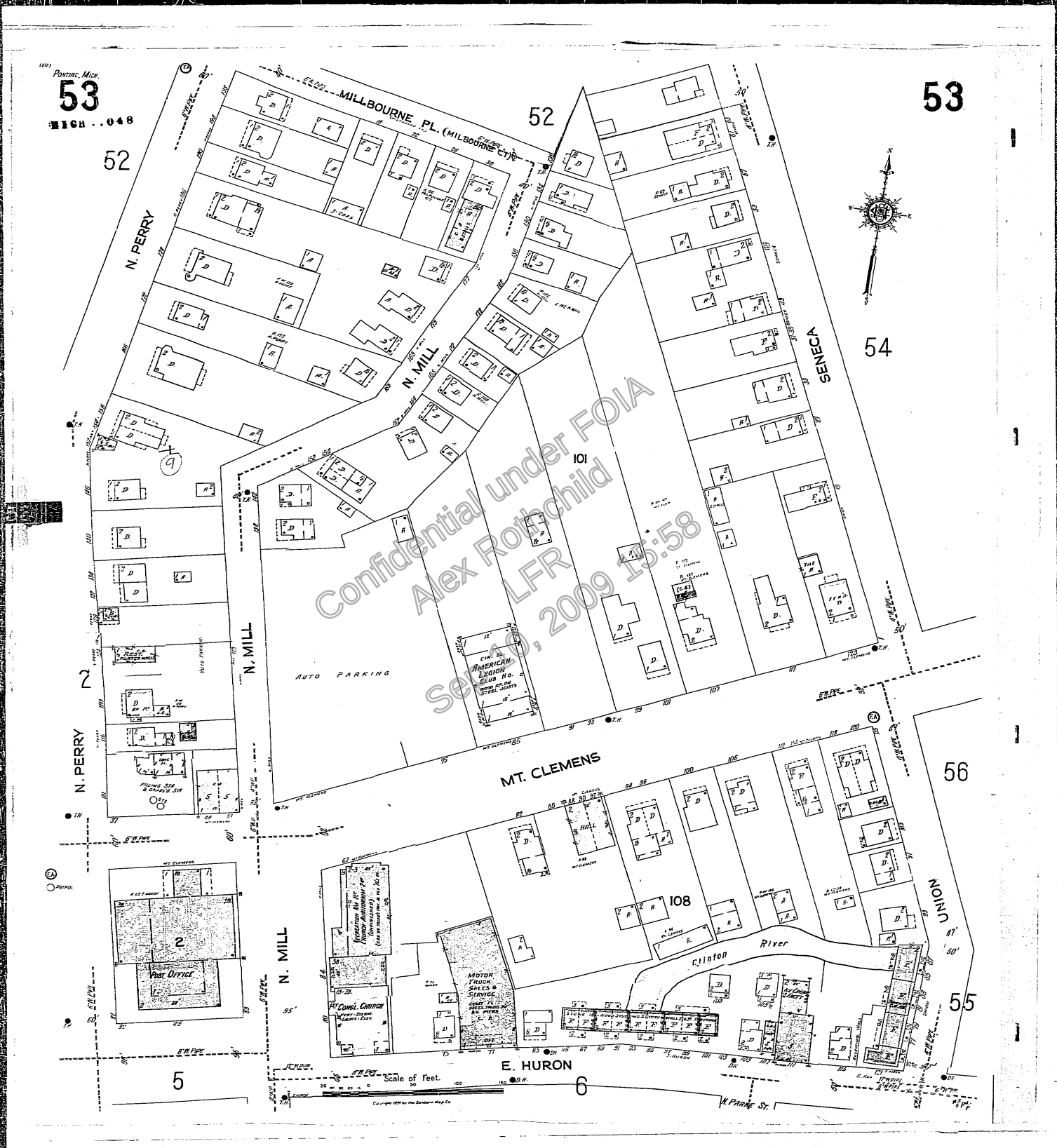


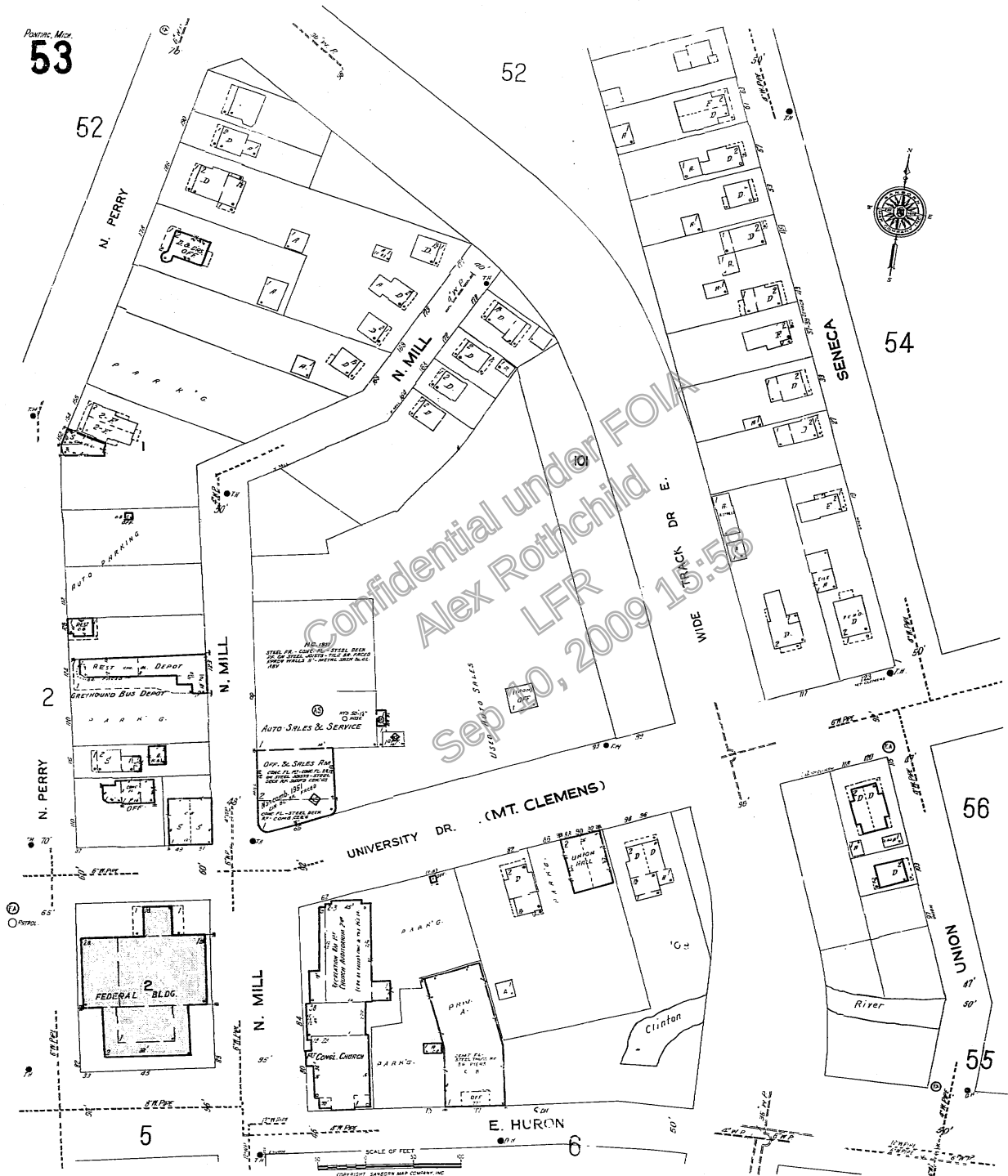


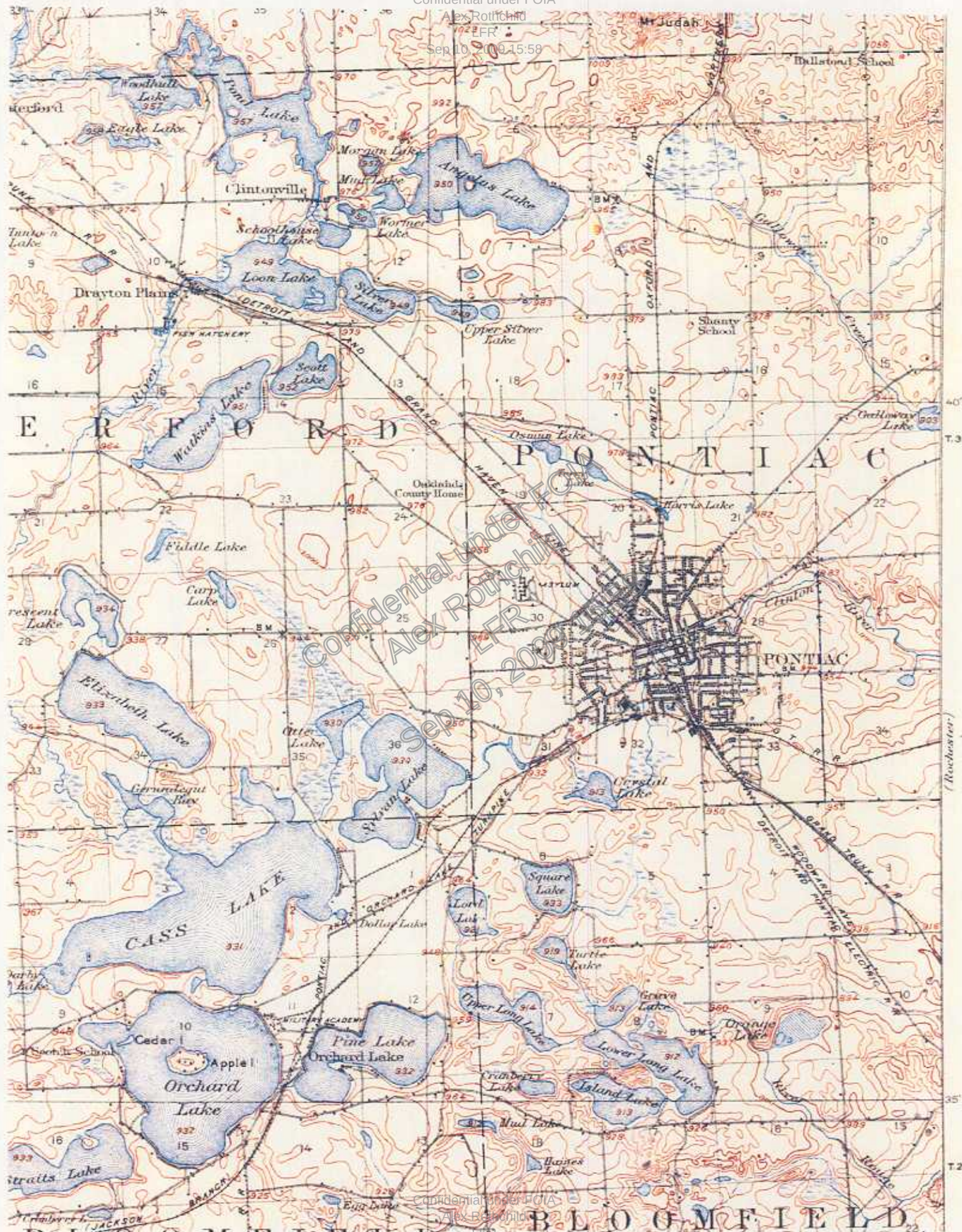
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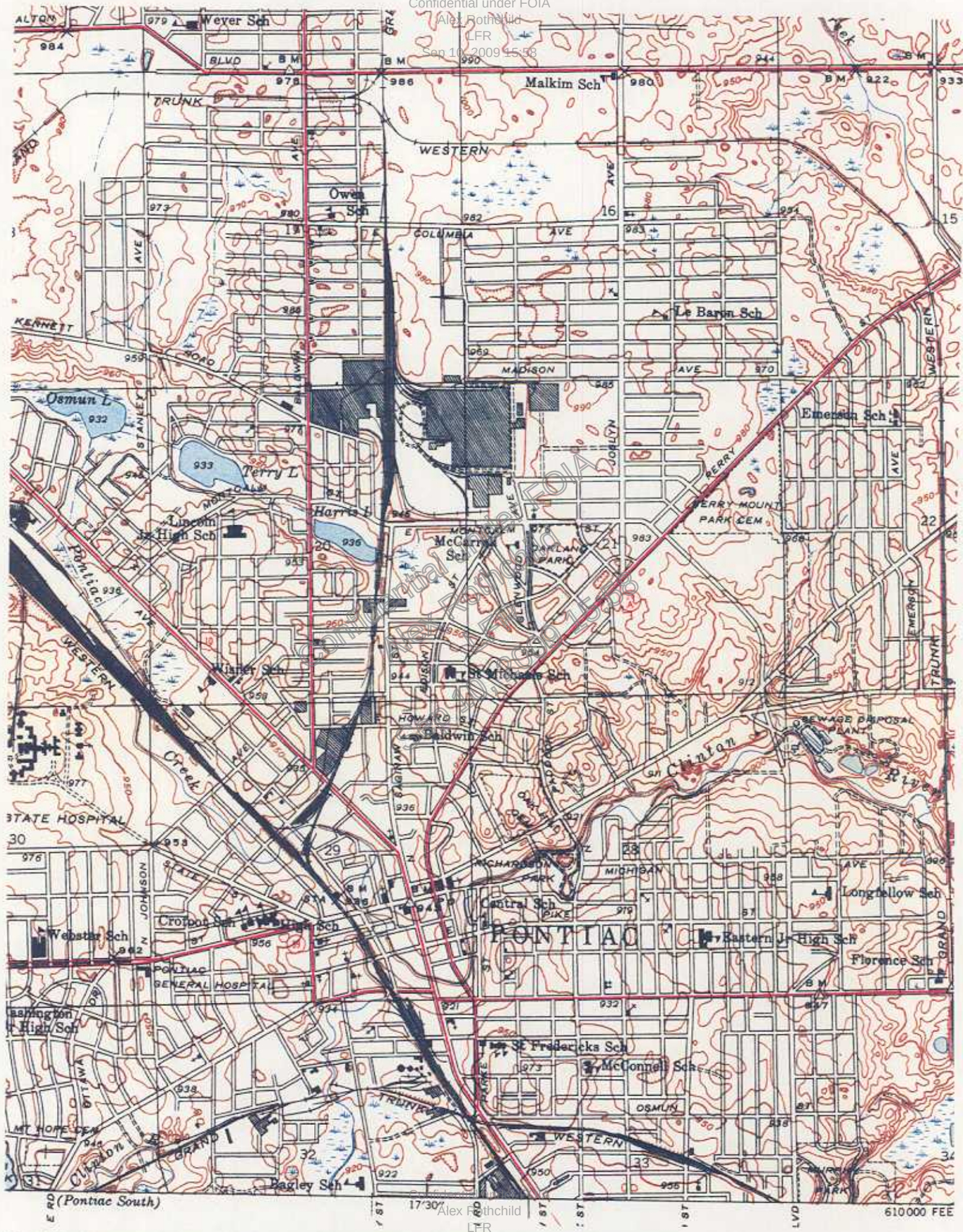
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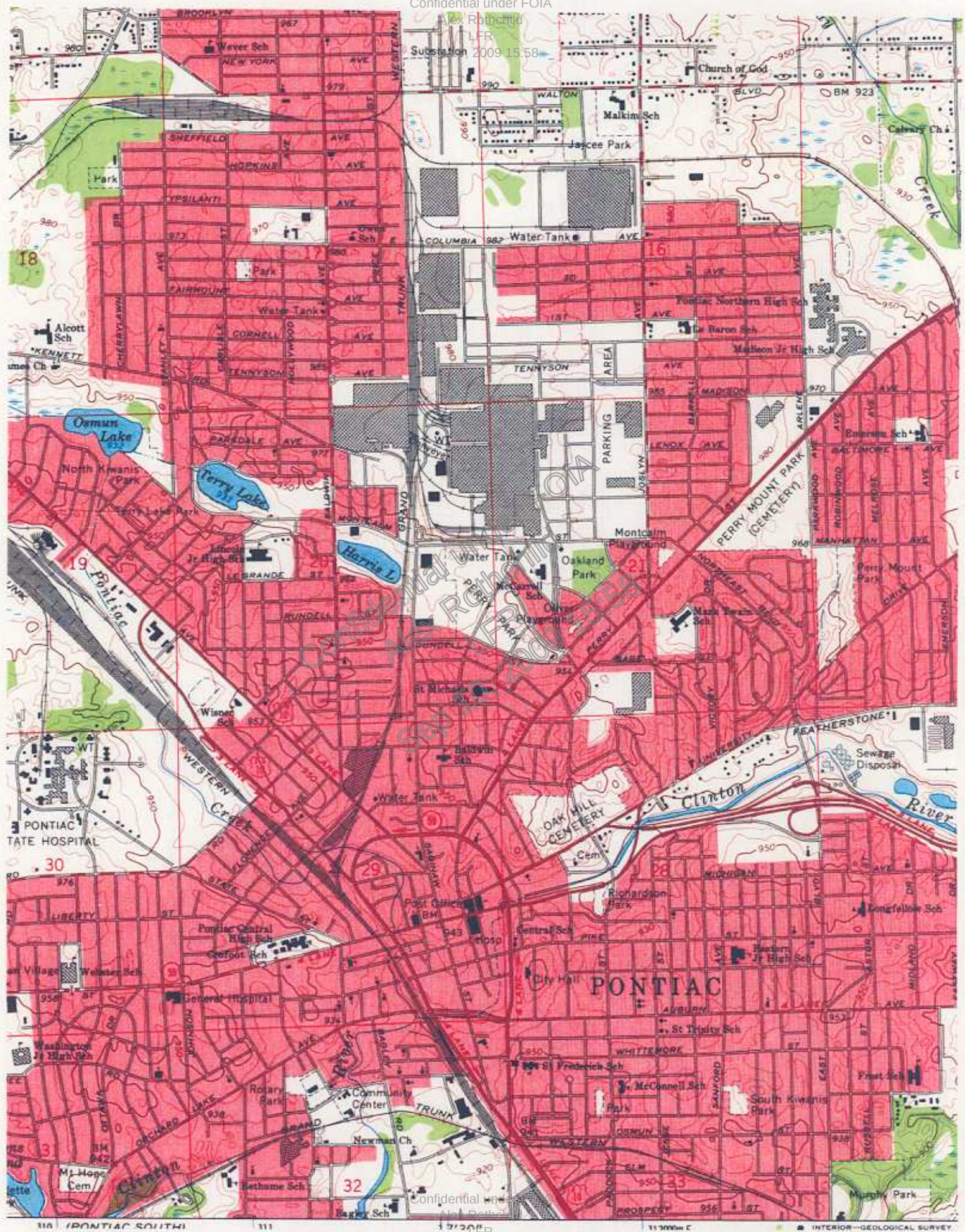
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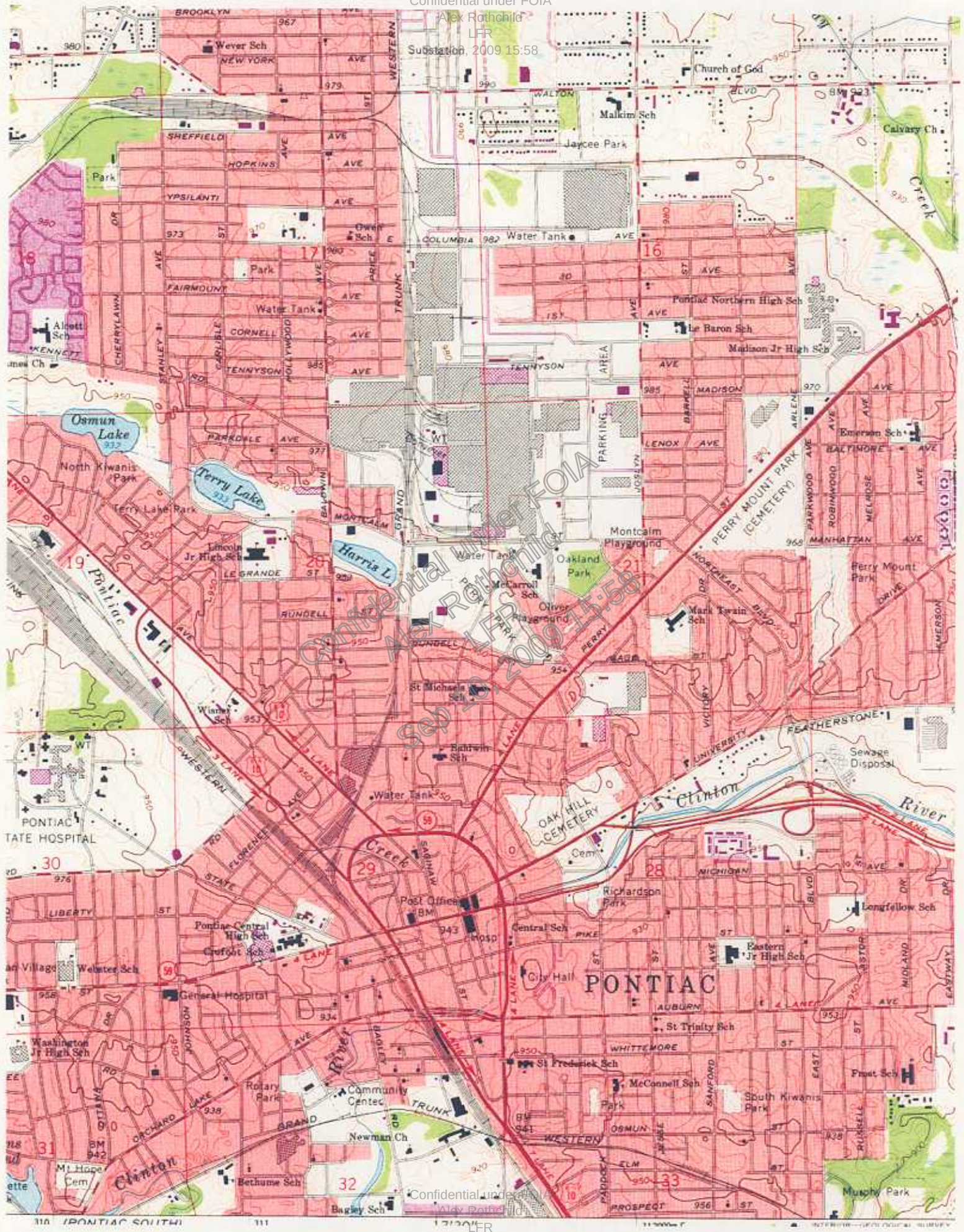


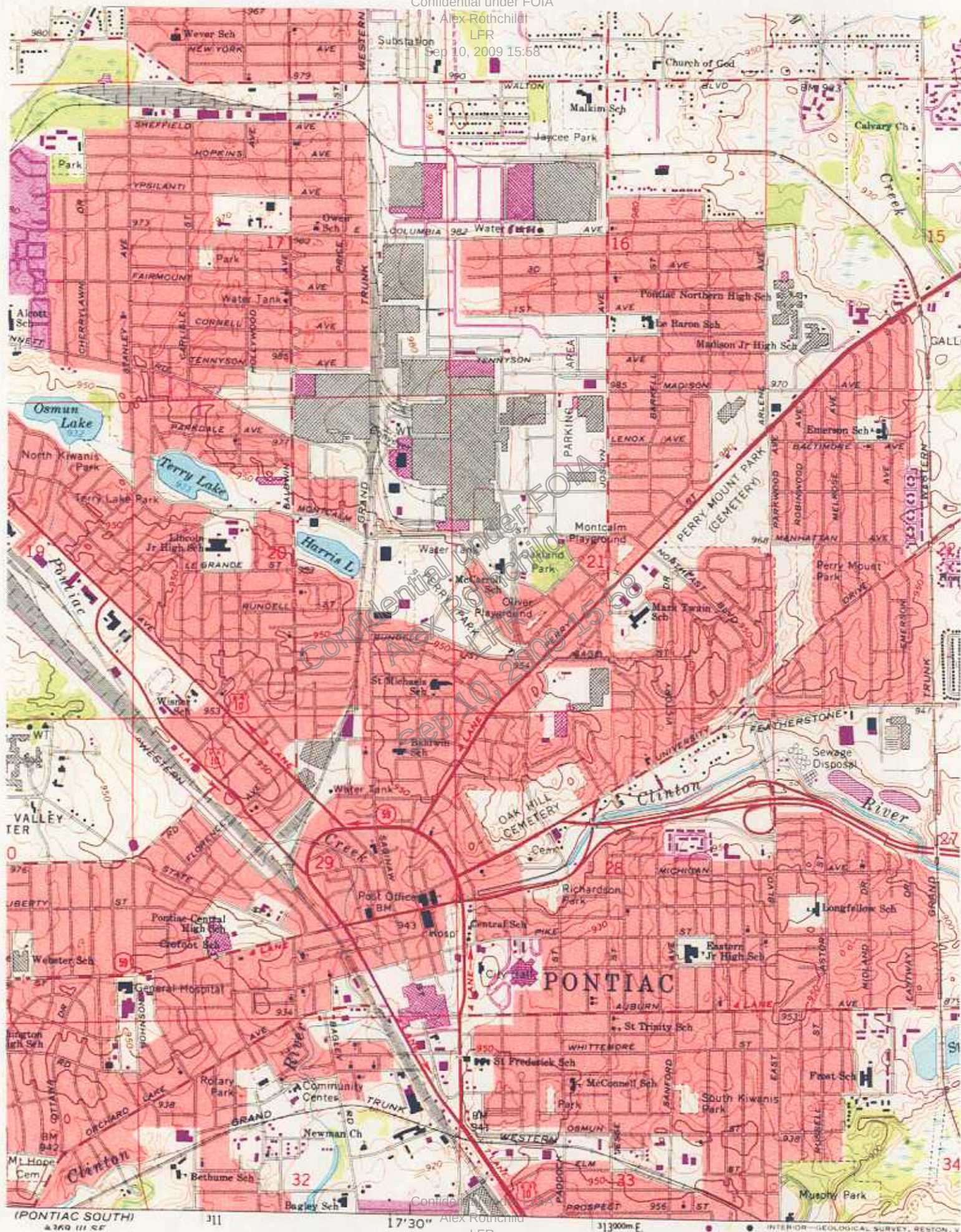




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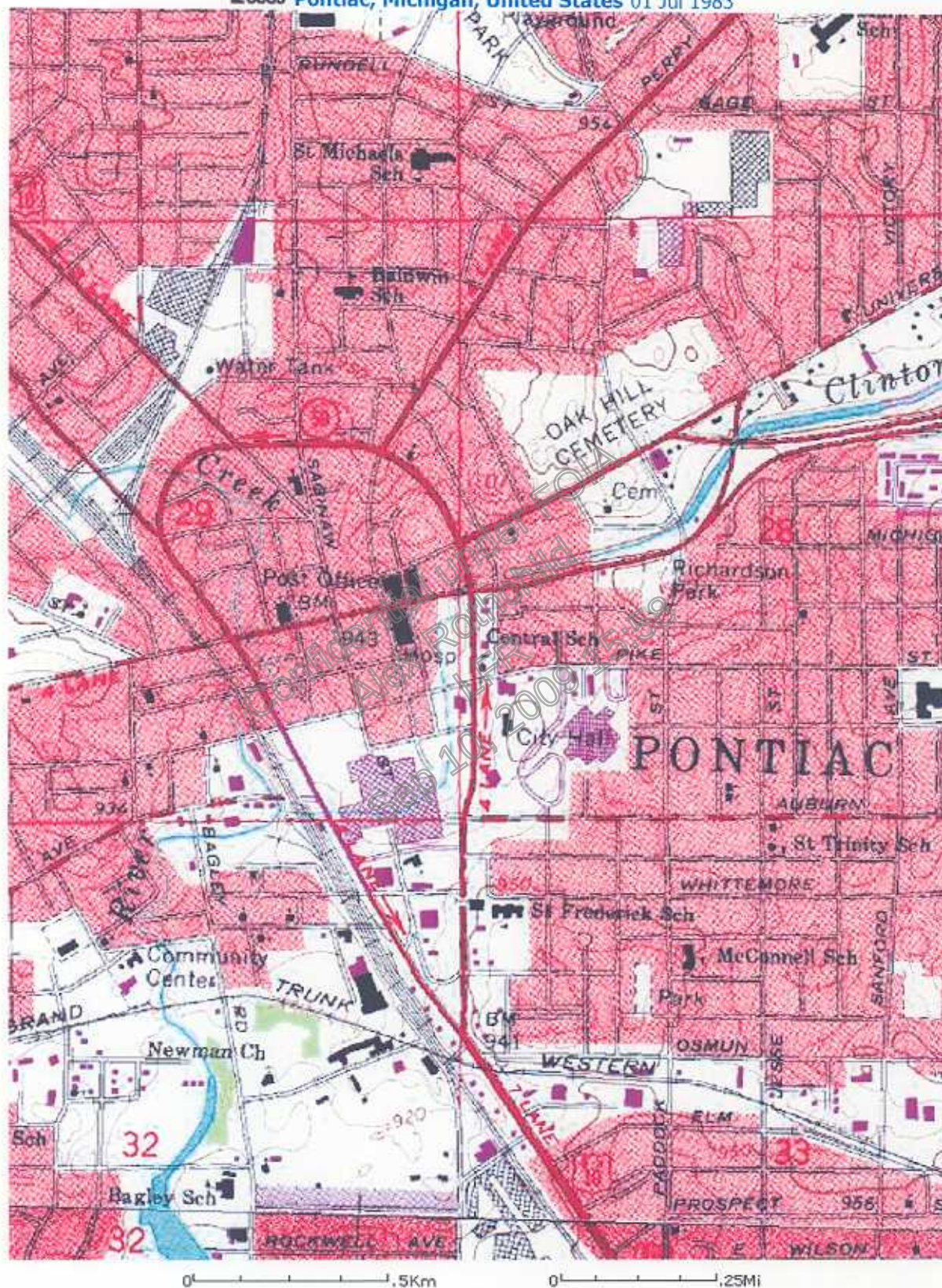


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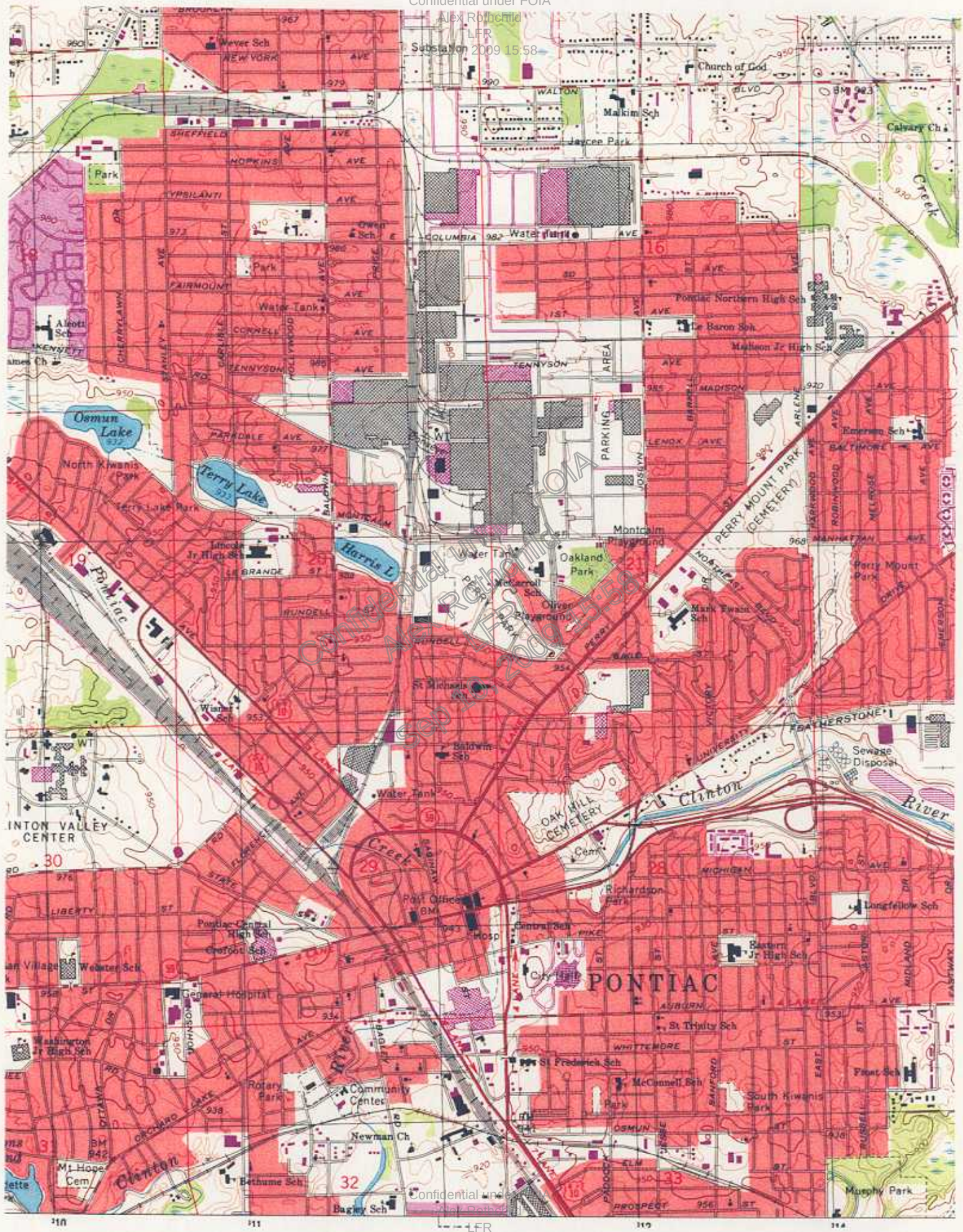
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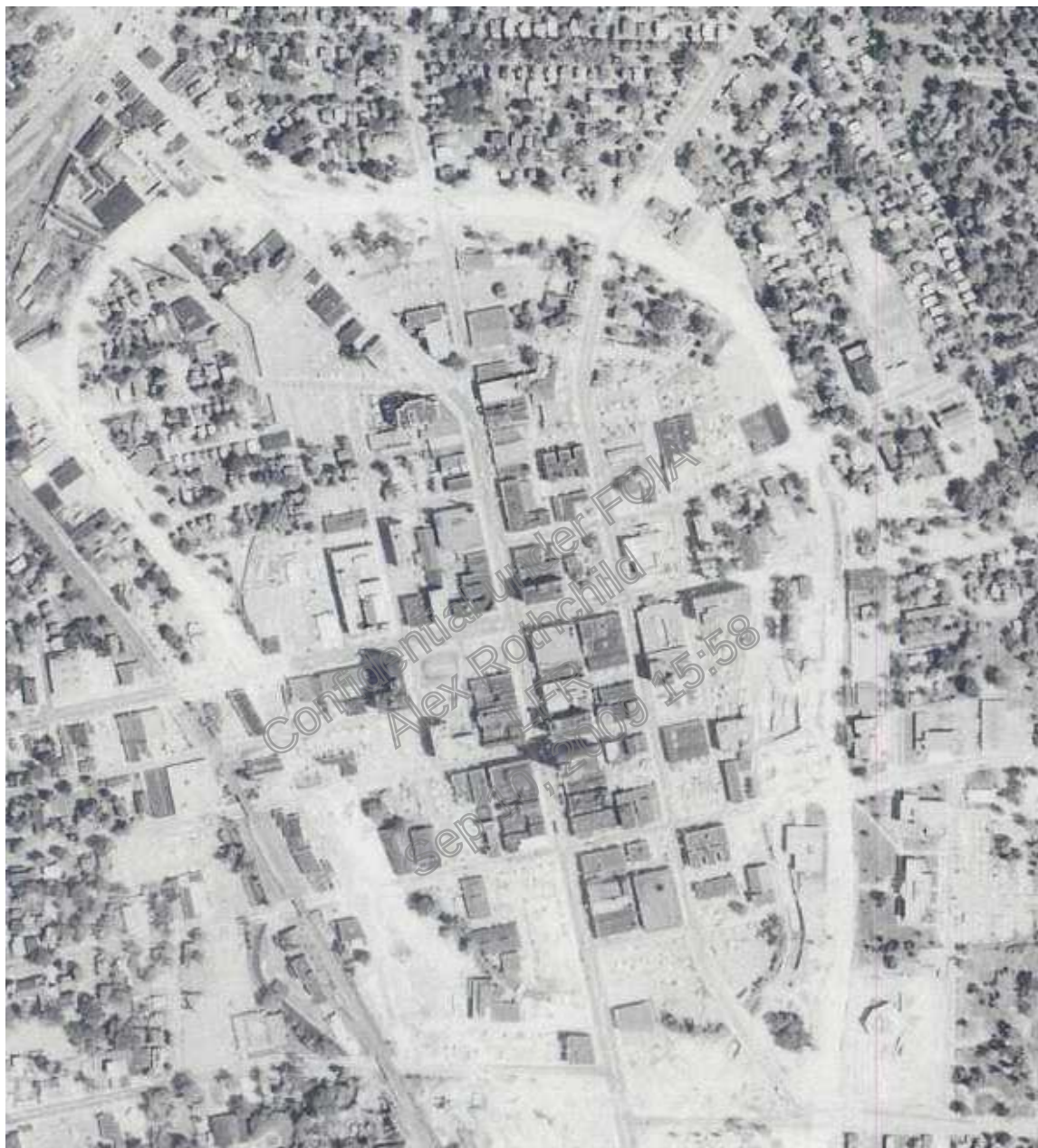
Aerial Photo, USGS, 1940 N ↑



Aerial Photo, USGS, 1957 N ↑



Aerial Photo, USGS, 1964 N ↑



Aerial Photo, USGS, 1972 N ↑



Aerial Photo, USGS, 1980 N ↑



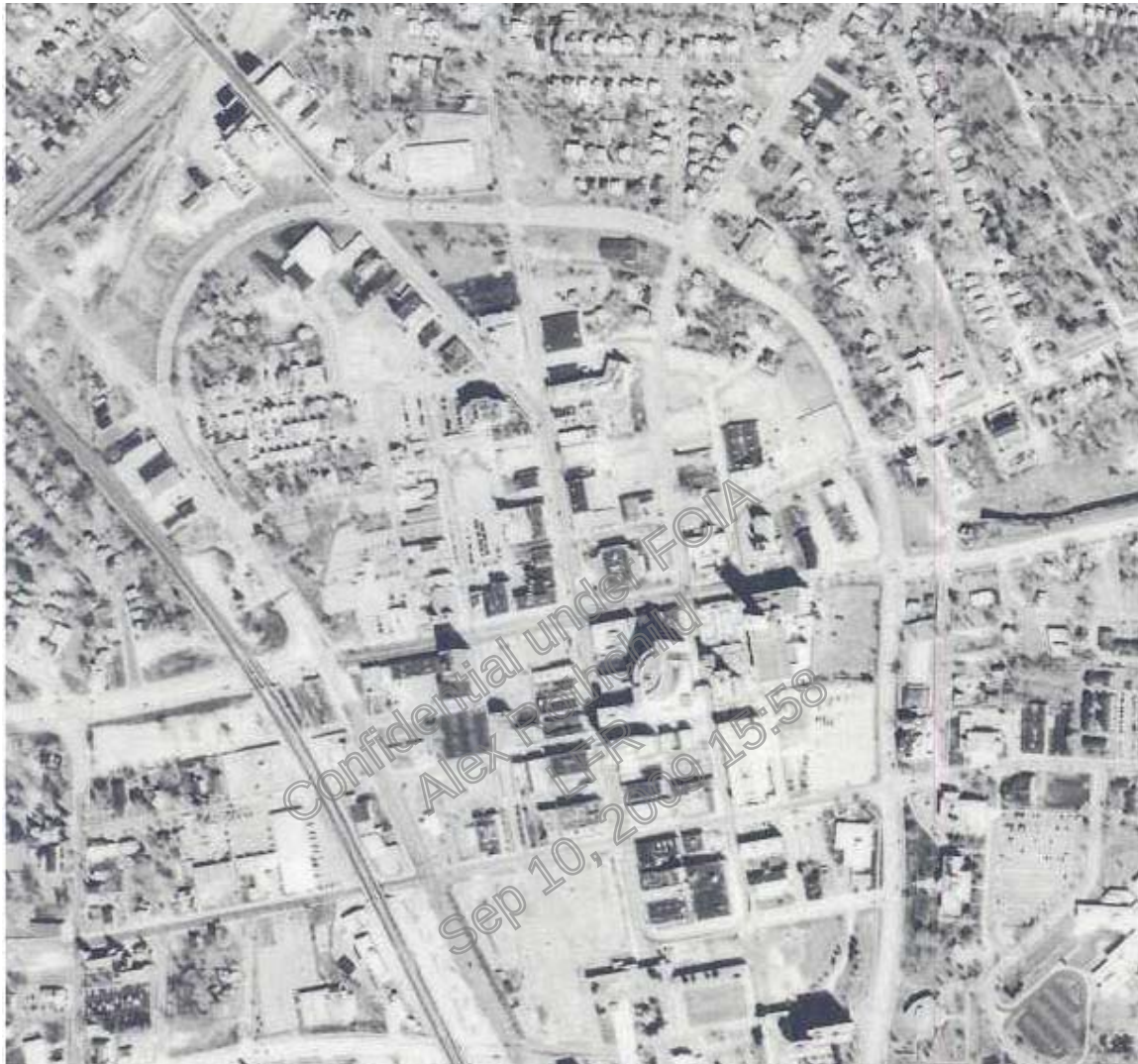
Aerial Photo, USGS, 1993 N ↑



Aerial Photo, USGS, 1999 N ↑



Aerial Photo, USGS, 2000 N ↑



Aerial Photo, USGS, 2002 N ↑



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APPENDIX F

Previous Reports

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PREVIOUS REPORTS

The following reports relevant to the Site were reviewed, summarized, and referenced in the report by EEC:

1. Enkon Environmental Services, Inc. Subsurface Soils Investigation, GMC Truck Plant #13, 65 University Drive, Pontiac, Michigan 48342; April 22, 1992.
2. Pickering Environmental Consultant, Inc. (PECI), Report of Findings GM North America Platform Engineering Facility-Plant #13, 65 University Drive, Pontiac, Michigan 48342; February 22 1993.
3. RMT Inc., Hydrogeologic Investigation Work Plan, General Motors Truck and Bus Group – Engineering Truck Plant #13, Underground Storage Tank Release #15260, 65 University Drive, Pontiac, Michigan 48342; April 1993.
4. Conestoga-Rovers and Associates (CRA), Site Investigation Work Plan Pontiac Truck Engineering Center (Plant 13) Site, 65 University Drive, Pontiac, Michigan 48342; August 2, 1993.
5. Conestoga-Rovers and Associates (CRA), Leaking Underground Storage Tank Release Closure Report, 65 University Drive, Pontiac, Michigan 48342; December 28, 1995.
6. The Traverse Group, Asbestos Survey Report, Pontiac Centerpoint Campus West, Employee Development Center, Building 13 – Pontiac, Michigan; December 27, 2004.

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APPENDIX G

Personnel Resumes

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Lauren M. Farrell

Project Scientist

Professional Experience

Conducted and coordinated Phase I environmental site assessments in accordance with ASTM Standard Practice E1527 and ecological risk assessments.

Conducted and coordinated Phase II environmental site assessments at multiple sites to determine hazardous chemical concentrations and site classification status with respect to state cleanup criteria. Performed soil, sediment, and groundwater sampling in the field as required to characterize sites.

Analyzed data and prepared data tabulations, results and recommendations based on assessment findings.

Prepared environmental permit applications to assist clients with complying with various environmental regulations.

Collegiate Experience

Performed internship with the Environmental Affairs Department of a major pipeline company.

- Developed Storm Water Pollution Prevention Plans for specific sites.
- Prepared National Pollutant Discharge Elimination System (NPDES) permits.
- Performed research on environmental management systems and updated policies based on EPA guidelines.
- Created PowerPoint presentations for training purposes for oil spill cleanup procedures.

Performed internship in an Environmental Management Assistance Program.

- Performed energy assessments for small businesses.
- Inventoried electric appliances and calculated savings by upgrading to energy efficient models.
- Assisted small businesses with environmental compliance and recycling issues.

Led vegetation group for class project involving the creation of a wetland on Goodman Campus at Lehigh University. Responsibilities included sampling current vegetation and choosing new obligate wetland species to plant.

Worked with a team of nine students to examine salamander activity levels as related to changes in the environmental conditions. Participated in monthly sampling of three study sites. Assisted in data acquisition, webpage layout, and soil analysis. Soil analysis

Ms. Farrell has more than 2 ½ years of consulting experience performing Phase I environmental site assessments and ecological risk assessments, and assisting companies with environmental compliance.

Education

- B.S./Environmental Science, 2002, Lehigh University

included core sampling, drying, and weighing to measure moisture content. Soil analysis also included pH testing and loss on ignition testing to measure organic content.

Training

- 40-hour OHSA Training
- 8-hour OHSA Refresher Training
- First Responder Emergency Safety Training
- Environmental Audits and Site Assessments Seminar (Rutgers University, Spring 2003)

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Amee R. Freeman

Project Scientist

Project Experience

Serves as a project scientist to coordinate and conduct Phase I Environmental Site Assessments (ESAs) in accordance with ASTM Standard Practice E1527.

Serves as a project scientist to conduct and coordinate Phase II ESAs to determine hazardous chemical concentrations and site classification status with respect to state cleanup criteria.

Served as project manager (PM) for National Guard Bureau (NGB) Phase I Environmental Baseline Survey (EBS) projects for the Ohio Air National Guard (ANG). Inspected properties and surrounding areas; interviewed facility personnel; reviewed historical documents and hazardous material storage, use, and disposal practices; prepared technical reports, health and safety plans, and monthly status reports; tracked costs and schedule; and invoiced the client.

Served as PM for two Environmental Assessments and Description of Proposed Action and Alternatives for the Ohio ANG in accordance with the National Environmental Policy Act (NEPA) and NGB guidance. Defined environmental conditions prior to the proposed action; assessed the potential environmental impacts; prepared technical reports, health and safety plans, and monthly status reports; tracked costs and schedule; and invoiced the client.

Served as project scientist on NGB Phase I EBS projects at NGB bases in Arizona, Alaska, Massachusetts, and Delaware. Inspected properties and surrounding areas; interviewed facility personnel; reviewed historical documents and hazardous material storage, use, and disposal practices; prepared technical reports and health and safety plans.

Served as project scientist on United States Army Corps of Engineers projects. Completed Preliminary Assessments of Formerly Used Defense Sites in Michigan (firing ranges). PAs included assessment of environmental issues at the Sites, determination of Department of Defense responsibility, and suggestion of additional investigation. PAs also included delineation of metal (lead) contamination in soil using an XRF.

Served as PM on an excavation project at United States Coast Guard (USCG) Station in Wisconsin. Coordinated and conducted remediation by excavation of soil contaminated with gasoline and diesel fuel. Project involved health and safety implications of utilizing an underwater diver to weld a plate onto a hole in the bulkhead to keep residual soil and groundwater contamination from reaching the adjacent harbor. Excavation was followed by four quarterly monitoring events. PM responsibilities included schedule and cost tracking, invoicing, preparation of monthly status reports, proposals, preparation of health

Ms. Freeman has more than 2 ½ years of consulting experience with industrial and federal projects, performing various field related activities, and preparing reports.

Education

- B.S./Applied Ecology and Environmental Science, 2002, Michigan Technological University

and safety plans, preparation of technical reports, and project execution including groundwater and soil sampling.

Served as project scientist for a USCG island site in Michigan. Site was owned by both federal and private landowners. Site was contaminated with metals (lead, mercury, arsenic, and zinc) and petroleum in seven areas throughout the island. Coordinated subcontractors (boat transportation, barge, construction crew, and laboratory) and helped in the preparation of subcontractor agreements. Involved in discussions with the Michigan Department of Environmental Quality, USCG, and private landowner regarding remediation to Toxic Substance Control Act criteria for lead coupled with a deed restriction. Coordinated the delivery of heavy equipment to the site via barge, crane, and a road constructed into the water. Used an XRF and PID to help delineate areas to be excavated. Tree and brush removal was performed. Performed soil screening to separate cobbles from the fine soil fraction. Collected confirmatory soil samples and made daily trips to main land to ship samples to a laboratory. Containerized impacted fine soil fraction and delivered to landfill via barge and dump trucks.

Served as project scientist for the preparation of Spill Prevention, Control, and Countermeasure (SPCC) Plans for the USCG (Virginia, North Carolina, and Maryland). Preparation of the SPCC Plans included facility inspections, interviews with facility personnel, the gathering of spill prevention information, and technical report preparation. Information gathered included an inventory of the petroleum-based materials found onsite, spill response equipment available, facility spill histories, and secondary containment available on-site. Compliance and storage issues concerning non-petroleum hazardous substances were also addressed in the SPCC Plans.

Served as project scientist for waste characterization and delineation of lead-impacted soils at a USCG island site in Wisconsin using an XRF. Performed soil sampling, delineation of metals contamination using an XRF, data review to determine contaminated areas, and technical report preparation.

Served as project scientist for the preparation of a Remedial Action Work Plan for the USCG, and for Soil Remediation activities on site. Tasks included in the preparation of the Remedial Action Work Plan included review of data and documents, identifying and defining remedial actions to be taken, creating a field sampling plan, and technical report preparation. Soil Remediation activities included the excavation of 762 tons of soil, quarterly groundwater monitoring, and preparation of a Remedial Action Summary Report.

Served as project scientist for the preparation of Phase I and Phase II ESAs for the USCG. Preparation of the Phase I ESA included reviewing available historical documents; observing and recording on-site conditions; reviewing historical hazardous material storage, use, and disposal practices; and technical report preparation. Preparation of the Phase II ESA included extensive soil sampling, waste characterization and delineation with an XRF, and technical report preparation.

Served as project scientist for sediment sampling for a USCG Station in Ohio. Tasks included scheduling, cost tracking, sediment sampling using an Ogeechee® Sand Corer and Eckman® Dredge, and technical report preparation.

Responsibilities as a project scientist have included sampling (soil, sediment, groundwater, and surface water), delineation of metals impacts in soil using an XRF, monitoring well installation, remediation by excavation, and subcontractor oversight.

Collegiate Experience

Summer Intern in Engineering and Environmental Compliance at a float glass manufacturing plant. Conducted hazardous chemical inventory for the facility. Gathered Material Safety Data Sheets (MSDSs) for the facility's Right-to-Know Center. Compiled safety procedures and contributed to facility's Loss Control Manual, which outlined all environmental and safety compliance policies at the facility. Maintained a database and hard copy files of safety training records for current and former employees. Tasks required knowledge of National Pollutant Discharge Elimination System (NPDES) permits, hazardous waste management practices, emergency procedures, and industrial hygiene.

Professional Affiliations/Awards

- Michigan Association of Environmental Professionals

Training

- 40-Hour OSHA Training
- 8-Hour OSHA Refresher Training
- Niton XRF Training Course
- CPR/First Aid
- OSHA Supervisory Training

Brad A. Saunders, P.E.

Senior Engineer I/Manager

Project Experience

Environmental Management Experience

Serves as the client manager for a large industrial firm providing for a variety of environmental services. Acts as the primary point of contact with client corporate and plant personnel. Maintains overall responsibility for project management, budgeting, scheduling, internal staffing, subcontracting, and review of deliverables. Provides strong technical support and beneficial negotiating support on behalf of client, corresponding regularly with government agency representatives.

Managed the design, implementation, and successful registration of ISO 14001-conforming environmental management systems (EMSs) at two large automotive parts manufacturing facilities in Indiana and Michigan with respective employee counts of 550 and 250. During the design and implementation stages, trained facility Environmental Management Representatives on the requirements of the ISO 14001 standard and the effective operations and maintenance of an EMS.

Managed the design and implementation of an environmental information management system for a cement manufacturing facility in Michigan. This project involved environmental electronic and hardcopy file organization, environmental compliance calendar development, license acquisition and information population of an Internet-based interactive management system, and training of facility personnel for general use and task management.

Served as environmental coordinator for an international automotive supplier for three years. Responsibilities included environmental compliance and cost control, regulatory negotiations, and related plant activities at three facilities: two aluminum parts manufacturing facilities in Indiana and one plastic injection molding plant in Michigan. Additional responsibilities included oversight, assistance, and mentoring of environmental personnel at each location, and development of environmental training programs for approximately 1,000 employees. The facilities received no environmental Notice of Violations during this period.

Designed and implemented EMSs at two Indiana facilities through participation in an ISO 14001 pilot project program with the State of Indiana. Coordinated design activities

Mr. Saunders has more than 11 years of combined industrial and consulting experience in environmental engineering and management. He specializes in providing a broad range of facility environmental management, assessment, and compliance services for major industrial firms, with specific expertise in the automotive, metals, cement, and building products industries.

Education

- M.B.A. with Distinction, 1999, University of Michigan Business School
- B.S./Mechanical Engineering, 1992, Purdue University

Registrations

- Professional Engineer, Michigan, #6201050549
- Environmental Management Systems Auditor – Registrar Accreditation Board, #E052515

with The Environmental Law Institute, University of North Carolina, and Indiana Department of Environmental Management's Office of Pollution Prevention and Technical Assistance.

Served as environmental coordinator responsible for environmental activities and compliance with applicable environmental laws and regulations at an Indiana aluminum foundry for two years. Developed facility environmental management program and established staffing positions to consolidate in-plant environmental duties. Initiated waste segregation, pollution prevention, recycling, and cost minimization activities throughout the facility. The foundry received no environmental Notice of Violations during this period.

Environmental Auditing, Due Diligence, and Investigations

Manages a large volume, nationwide environmental site assessment and investigation program for a major industrial client to assist it in evaluating liability associated with potential financing and property transactions. Utilizes available resources within imminent time constraints to coordinate record searches, site visits, report production, and subsurface investigations.

Conducts Phase I environmental site assessments for several clients in accordance with ASTM Standard Practice E1527. Uses industry experience and broad knowledge of processes in combination with document search findings to develop sound recommendations regarding further investigative actions.

Manages, coordinates, and participates in the evaluation of Phase II Environmental Site Investigations at multiple sites to determine hazardous chemical concentrations and site classification status with respect to respective federal and/or state cleanup criteria.

Coordinates and conducts productive internal EMS audits on behalf of automotive industry clients in Indiana and Michigan. Conducts audits in accordance with ISO 14001, Guidelines for Environmental Auditing for Auditing of Environmental Management Systems. Served as lead auditor responsible for developing an audit plan and audit schedule, directing the audit team, delivering unbiased results, and making corrective action recommendations.

Represented two automotive industry clients in an EMS support role during the conduction of ISO 14001 Stage I and Stage II Registration audits and periodic Surveillance Audits by a third-party registrar. Successfully assisted both clients in obtaining ISO 14001 registrations, one of which was obtained during a witness audit by the Registrar Accreditation Board (RAB).

Served as support auditor during several ISO 14001 registration audits for an independent third-party registrar. Assisted lead auditor in performing complete environmental management system assessments to determine if auditees had designed, implemented, and maintained environmental management systems that conformed to the ISO 14001 standard.

Conducted a broad environmental due diligence assessment for the prospective buyer of electrical transmission assets from a large regulated electric utility in Michigan. Areas of emphasis included environmental management systems, PCB management, spill

prevention and planning, waste management, and remediation programs. Activities included detailed environmental personnel interviews, transmission substation site visits, and report preparation.

As an environmental coordinator in the automotive industry, assisted and participated in the performance of multiple corporate environmental facility compliance and due diligence audits in Indiana and Michigan.

Conducted third-party audits and made important approval decisions for the shipment of large volumes of hazardous wastes and used oils to prospective treatment, storage, and disposal (TSD) facilities in Indiana and Michigan.

Regulatory Compliance Experience

Over eleven years of solid working experience with assisting companies in complying with environmental regulations promulgated by EPA, state, and local agencies in accordance with the CAA, CWA, RCRA, SDWA, EPCRA, CERCLA, and TSCA. Also maintain familiarity with related OSHA and DOT regulations.

Prepares and maintains compliance calendars for several automotive industry clients that encompass the entire scope of applicable environmental requirements at their facilities. Calendars are created for frequent visual reference, and detail regulatory drivers, regulatory requirements, responsible individuals, development lead times, and deadlines.

Extensive experience in CAA permitting and air regulatory compliance assistance. Work performed includes the preparation of new source construction and/or Title V air permit applications in Indiana, Michigan, Ohio, Illinois, Wisconsin, Missouri, Maryland, New Jersey, and Nebraska. Experience at coordinating the detailed technical review of air permits and negotiating permit conditions with agency representatives. Provides related assistance in completing air regulatory assessments, developing air emissions inventories, coordinating compliance and optional stack testing events, and completing air emissions reports. Adept at developing electronic spreadsheets and documents that serve to streamline air regulatory compliance activities.

Developed and implemented complex, but user-friendly and technically sound, electronic monitoring, record keeping, and reporting systems to assist two automotive parts manufacturing facilities in complying with Indiana Part 70 (Title V) air permit conditions.

Prepared NPDES surface water discharge permit applications, prepared anti-degradation demonstrations as required for Great Lakes system dischargers, and negotiated discharge requirements for manufacturing facilities in Indiana and Michigan. Designed discharge system and holding ponds, specified treatment techniques, and established monitoring, record keeping, and reporting protocol for one facility. Provided assistance in the operation and maintenance of discharge systems, and preparation of periodic discharge monitoring reports.

Prepared NPDES storm water permit applications and Notice of Intent forms for facilities in Indiana, Michigan, Ohio, and North Carolina. Experience managing and conducting the development and revision of Storm Water Pollution Prevention Plans for facilities in the automotive, cement, and building products industries.

Prepared combined and individual contingency plans for several facilities, incorporating federal Oil Pollution Prevention requirements for Spill Pollution Control and Countermeasures Plans, RCRA requirements for large quantity generators, and/or related applicable state requirements in Indiana, Michigan, Ohio, and Pennsylvania.

Conducted a thorough file review and massive historical document search to identify areas of environmental concern for the preparation of a Document of Current Conditions (DOCC) report in completing the first stage of a Voluntary RCRA Corrective Action for a 600-acre site owned by a large automotive manufacturer in Michigan.

Prepared Category D Baseline Environmental Assessment (BEA) in accordance with Part 201 of the Michigan Natural Resources and Environmental Protection Act for a prospective property buyer planning to locate a new manufacturing operation on suspect property in Michigan.

Coordinated pre-closure sampling, analytical testing, work plans, and Michigan Part 201 Due Care monitoring for a site contaminated with chlorinated solvents.

For each of the past nine years, completed EPCRA Tier II chemical inventory reports and SARA Form R chemical release reports for automotive industry clients. For a large building products industry client, simultaneously prepared SARA Form R chemical release reports for a group of thirty applicable facilities.

Prepared hazardous waste permit applications, coordinated metals treatment study, and completed hazardous waste biennial reports for a gray iron and aluminum foundry in Indiana.

Managed and coordinated industrial hygiene studies, evaluated results against OSHA and NIOSH exposure limits, and coordinated ventilation system assessments for an automotive industry client in Indiana and a metals industry client in Michigan.

Identified applicable areas, developed entry forms, specified monitoring equipment, and implemented a confined space entry program in accordance with OSHA regulations contained in 29 CFR 1910 at a large aluminum parts manufacturing facility in Indiana.

Developed and implemented a Material Safety Data Sheet management program to assist a large aluminum parts manufacturing facility in maintaining current and obsolete documents in accordance with its Hazard Communications Program. Established a corresponding hazardous material tracking spreadsheet to assist the facility in expediently and accurately completing annual EPCRA reports.

Project Engineering Experience

Retained joint responsibility as a maintenance/project engineer for an aluminum foundry in Indiana for two years. Provided specifications and contracted/supervised various maintenance jobs for the facility during a series of multi-million dollar facility expansions and product launches. Related projects included casting machine and rotary turntable design and contract for build; reverse osmosis system specification/purchase and operation; natural gas piping distribution system design and installation; bulk nitrogen storage and distribution system specification and installation; exhaust stack and ventilation design and installation; and chemical storage area design and installation.

Professional Affiliations

- X Registrar Accreditation Board (RAB)
- X Engineering Society of Detroit (ESD)

Training

- X Auditing of Environmental Management Systems Course
- X Advanced EMS Auditors Course for Environmental Professionals
- X Habits of Highly Effective People - Covey Leadership Center
- X 40-Hour OSHA HAZWOPER and current 8-Hour Refresher Training
- X RCRA/DOT 8-Hour Training
- X OSHA Confined Space Entry and Rescue Procedures Training

Confidential under FOIA
Alex Rothchild
LFR
Sep 10, 2009 15:58