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PHASE I ENVIRONMENTAL SITE ASSESSMENT

GENERAL MOTORS PONTIAC CENTERPOINT CAMPUS – VALIDATION CENTER
PONTIAC, MICHIGAN

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EXECUTIVE SUMMARY

Conestoga-Rovers & Associates, Inc. (CRA) was retained by Environmental Corporate Remediation (ENCORE), at the direction of General Motors Corporation (GM) Legal Counsel, to complete a Phase I ESA of the Pontiac Centerpoint Campus – Validation Center (PCC-VC) located at 200 South Boulevard West in Pontiac, Michigan (Site). ENCORE is a wholly-owned subsidiary of GM. The purpose of the Phase I ESA was to identify, through use of good commercial and customary practice, recognized environmental conditions (RECs) and to determine if the recognized environmental conditions are potential areas of concern (PAOCs) or potential areas of release (PAORs), as defined by ENCORE, associated with prior or current activities conducted at the Site. This ESA was conducted to assist ENCORE to evaluate business environmental risk as defined in ASTM E1527-00 for the Site. This ESA included an evaluation of substantive potential compliance issues.

The Site is comprised of approximately 133 acres of land consisting of three manufacturing plants, Plants 3, 4 and 5; Building 30; several ancillary structures (a substation, a hazardous waste 90-day storage building, and an aboveground storage tank (AST) farm); paved parking areas; Central Vehicle Operations (CVO) areas; and landscaped areas. Plant 4 includes Buildings 20, 25, 31, and 37. The total area under roof for the Site is approximately 1.68 million square feet. Production activities at the Site ceased in August 2005.

The northern portion of the Site consists of the existing CVO Parking and Product Vehicle Parking areas, which are located in the location of former Plant 1. Plant 1 was purchased from the Rapid Motor Company in 1906 and was razed by GM between 1972 and 1984. Major production operations at the Site while under GM's operation have included assembly of trucks, motor homes, and buses, welding, phosphating, dip prime Electrodeposition paint operations (ELPO), and painting. Support operations included warehousing, development and testing laboratories, a powerhouse, and a railroad shipping facility.

Based on the review of available information and discussions with individuals associated with the Site, additional uses of the northern portion of the Site consisted of: residential dwellings and commercial stores; former Fire Station No. 2; and a former gas station, which was located at the far northeast corner of the Site. West Wilson Avenue, previously known as West Foot Avenue, historically bisected the Site, running in an east-west direction. Based on the review of available information and discussions with individuals associated with the Site, additional uses of the southern portion of the Site

consisted of: various commercial properties including a bank and a hospital; as well as industrial properties including Flander's Electrical Company Inc. (manufacturers of electric automobiles); Pontiac Drop Forge Company; the Wilson Foundry and Machine Company; and Detroit Weather Proof Body Company (manufacturers of winter tops for automobiles).

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

1. **Historical Operations – Former Plant 1:** Based on the review of available information, former Plant 1 was initially developed in 1906 by the Rapid Motor Car Company, with subsequent additions to the facility over the years. The Rapid Motor Car Company, and later General Motors Corporation, utilized former Plant 1 for the manufacture and assembly of vehicles. Primary operations conducted at former Plant 1 included metal finishing operations (phosphating, pickling, plating, heat treating, and painting), stamping, grinding, machining, and polishing. Ancillary operations included hazardous and non-hazardous waste accumulation, handling, and storage, as well as the use and storage of raw petroleum products and solvents in both above and belowground storage tanks and drums. Former Plant 1 was razed in sections, with demolition occurring between 1972 and 1974 for Buildings 1A, 1B, 1C, 1D, and 2; between 1974 and 1980 for Buildings 2B, 6, 10, and 13; and the remainder of the Plant circa 1984. According to individuals associated with the Site, demolition debris from former Plant 1 was utilized as backfill for below grade structures associated with former Plant 1. Potential impacts to Site soil and/or groundwater from the historical operations and subsequent demolition practices could not be determined. Portions of the former Plant 1 portion of the Site were utilized as residential and commercial properties as early as 1909. No information regarding historical use of heating oil underground storage tanks (USTs) or aboveground storage tanks (ASTs), septic systems, or property demolition procedures were available for CRA to review.
2. **Historical Operations – Plants 3, 4, and 5:** Based on the review of available information, the area currently occupied by Plants 3, 4, and 5 was developed as early as 1915 as Flander's Electrical Company Inc. (manufacturers of electric automobiles); Pontiac Drop Forge Company; the Wilson Foundry and Machine Company; and/or Detroit Weather Proof Body Company, with subsequent additions/changes to the facilities over the years. Primary operations conducted on this portion of the Site included degreasing, drop forging, metal finishing

operations, casting, incinerating, stamping, grinding, and machining. Ancillary operations included hazardous and non-hazardous waste accumulation, handling, and storage, as well as the use and storage of raw petroleum products and solvents in both above and belowground storage tanks and drums. Portions of the Wilson Foundry were noted on Sanborn Fire Insurance maps (Sanborn maps) to have an earthen floor. Staining was historically observed and excavated west of Plant 5 and an eight-stage phosphate system was investigated in Plant 3. Numerous releases historically occurred from various operations at the plants. Potential impacts to Site soil and/or groundwater from the historical operations could not be determined or indicated that these areas still have constituents above the Michigan Act 451, Part 201 Generic Residential Cleanup Criteria.

3. **Historical Adjacent Properties**: Based on the review of available information, the adjacent properties to the Site were historically operated as filling stations, a plating company, an electric light plant/power plant, and various manufacturing facilities as early as 1909. These types of operations typically utilize petroleum products and solvents. Additionally, a tunnel was identified on a 1954 Factory Insurance Map between the former Consumers Power Company facility (electric light plant) and former Plant 1. No further information regarding the tunnel was available. Potential impacts to the Site from these operations could not be determined.

4. **USTs – Former Plant 1:** Based on the review of available information, at least 11 historic USTs were present in the vicinity of former Plant 1. No information regarding closure (i.e., removed, abandoned-in-place, etc.) of the aforementioned USTs at former Plant 1 was available.

5. **USTs - Plant 3:** Based on the review of available information, at least 14 historic USTs were present in the vicinity of Plant 3. No information regarding closure of four of these tanks (i.e., removed, abandoned-in-place, etc.) of the aforementioned USTs at Plant 3 was available. The remaining 10 USTs were removed and at least five were closed by the Michigan Department of Environmental Quality (MDEQ). During closure of the tanks, samples were collected for analysis for analysis for benzene, toluene, ethylbenzene, and xylenes (BTEX), polynuclear aromatic hydrocarbons (PNAs), polychlorinated biphenyls (PCBs), lead, cadmium, and/or arsenic; however, a complete volatile organic compound (VOC) and semi-volatile organic compound (SVOC) analysis was not conducted. Based on a review of historic information, residual contamination is present at the Site at concentrations above the Michigan Act 451, Part 213 Generic Residential Risk Based Screening Levels (RBSLs).

6. **USTs – Plant 4:** At least 15 USTs were formerly located in the vicinity of Plant 4. No information regarding closure (i.e., removed, abandoned-in-place, etc.) of the aforementioned USTs at Plant 4 was available.

7. **UST – Plant 5:** At least one UST was formerly located in the vicinity of Plant 5. No information regarding closure (i.e., removed, abandoned-in-place, etc.) of the aforementioned UST at Plant 5 was available.

8. **Former Incinerator:** Based on the review of the 1924 Sanborn map, a concrete refuse burner (i.e., incinerator) was present on the southwestern portion of the Site, to the west of the Wilson Foundry Plant 4. No information was available regarding the types of materials incinerated or the historical disposal practices associated with the fly ash generated from incineration.

9. **Tunnels:** Based on the review of Sanborn maps, Factory Insurance maps, and discussions with Site personnel, a brick tunnel exists between Plants 3 and 4, and Plants 3 and 5. This tunnel was reportedly historically used for utility lines; however, it is currently abandoned, and not available for inspection. No further information regarding these tunnels was available.

10. **Former Powerhouse:** Based on the review of available information and discussions with individuals associated with the Site, a former powerhouse was located in Building 13 (Plant 3). Coal was historically stored outside east of the powerhouse. No information was available regarding if the coal was stored on bare ground or a paved surface. No specific information regarding historical dust control practices was available; and current Site personnel had no knowledge of dust control activities. In addition, fly ash would have been historically generated from the powerhouse. Approximately 350 cubic yards (cy) of fly ash (stored in piles) were characterized and removed from the Site in 1995. It is unknown if this material was historically used as fill material on the Site.

11. **Surficial Scarring:** An area of surficial scarring is present on aerial photographs to the south of Buildings 12 and 27 (Plant 1). These buildings historically conducted heat-treat and pickling operations. No further information regarding the surficial scarring was available.

12. **Bare Soil Area:** Based on the review of the aerial photographs and Site inspection, vegetation in the area north/northwest of Building 30 is sparse. Site personnel indicated that this area was historically part of a thermal soil remediation effort. No additional information regarding the remediation was available to CRA.

13. **Waste Management Area (WMA) South of Plant 3:** A Tank WMA (SWMU No. 1) and Container Waste Management Area (SWMU No. 2) historically

located south of Plant 3 were identified as areas of concern during the draft Preliminary Review/Visual Site Inspection (PR/VSI) and Preliminary Assessment (PA). Supplemental investigation and closure of the area was completed. MDEQ released GM from further closure requirements, but not from future corrective action requirements.

14. **AST Farm at Plant 1:** An AST was historically present at Plant 1, and was removed in 1995. The eastern portion of the bermed area had a soil base. The tanks that were removed contained engine oil, glycol, steering fluid, waste oil, glycol, oil, and waste glycol. Confirmatory soil samples were collected and analyzed for BTEX, PNAs, PCBs, lead, cadmium and arsenic. Based on the materials stored in the tanks, it is unknown if there are other VOCs remaining in the soil at concentrations of concern.

15. **Potential Fill Pipes:** Potential fill pipes were observed during the Site inspection in Plant 5, near Column G8. No further information regarding these pipes was available.

16. **Bulk Loading/Unloading Areas:** Based on the review of available information and discussions with Site personnel, the Site currently and formerly utilized several areas for bulk unloading and loading of petroleum, solvents, and acid products and waste. These areas include exterior load/unload fill ports and associated concrete pads, as well as former trainwells. Some of these areas have been replaced in the recent past; however, others have been in place since the facility was developed. Potential impacts to Site soil and/or groundwater from potential releases could not be determined.

17. **Former Foundry Sand:** Based on the review of aerial photographs and discussions with individuals associated with the Site, outdoor storage of foundry sand was historically conducted to the east of the Plant 5. No information was available regarding if the foundry sand was stored on bare ground or a paved surface. No specific information regarding historical dust control practices was available; and current Site personnel had no knowledge of dust control activities. No information was available regarding the historical use of these materials for fill at the Site and information regarding surface sampling underneath piles was unavailable for review.

18. **WMA at Plant 1:** A hazardous waste container storage area was historically identified east of Building 12 at Plant 1 in a 1981 Closure Plan. No follow-up information on the closure was provided to CRA for review.

19. **Former Wastewater Treatment:** Prior to 1978, wastewater was managed in a tank area south of Plant 3. After 1978, the wastewater lift station and process

lines were connected to the off Site Pontiac Assembly Center (PAC) Wastewater Treatment Plant (WWTP). This area was included in the RCRA Part A Waste Permit Application. It is unknown if this area was properly closed or if there were other areas used for wastewater treatment or disposal prior to 1978.

20. **Former Transformers, Substations, and Large Capacitors:** Numerous transformers and/or substations were historically located throughout the Site and were operated since at least 1909 in some instances. No information was available regarding the historical types of dielectric fluids utilized in the majority of the former transformers at the Site. Historical documentation for the Site indicates that transformers and large capacitors containing Askarel may have been present at the Site. There was evidence of PCBs from a rooftop transformer on Plant 4 in 1978.

21. **Wastewater Lift Station and Process Lines:** The process wastewater collection system at the Site consists of a series of gravity and pressure sewers. Process wastewater is pumped from a series of collection sumps located in the production buildings, overhead to the main industrial wastewater lift station located north of Plant 5. At the main lift station, wastewater is stored in six large pits, which are presently used to store general industrial wastewater and acid wastewater, but historically contained general wastewater, acid wastewater, cleaner wastewater, and ELPO wastewater. Based on the review of available documentation, numerous releases have occurred at the wastewater lift station. From the main lift station, process wastewater is conveyed belowground to the off-Site Pontiac Assembly Center PAC WWTP. The underground wastewater lines run approximately two to three miles along the Grand Trunk Railway. The lines are not secondarily contained, and there was evidence of a historical release from these lines off Site in October 1986 when a contractor accidentally cut lines during the installation of Fiber Optic lines along the railway.

22. **Paint Mix Rooms:** Based on observations during the Phase I ESA, a paint mix room is located in Plant 3. Historically, paint mixing was conducted in the basement of Plant 3. Additional information regarding historical paint mixing areas was not available.

Based on the Phase I ESA, including the Site inspection, information provided by Site Personnel, documents reviewed, and the environmental database searches, the following were identified as PAORs at the Site:

1. **Belowgrade Pits, Trenches, Conveyors, and Sumps:** Process wastewater is currently and was historically collected and conveyed throughout the Site in

numerous below grade sumps, pits, and trenches. The integrity of all of the pits, trenches and sumps present in the existing structures at the Site could not be evaluated during the Site inspection. During the Facility Environmental Assessment (FEA) conducted by CRA, liquids were observed in several of these systems, which were subsequently sampled. According to Site personnel and based on the review of available documentation, some of these pits have been closed in place, with no decontamination or subsurface investigation activities noted. Potential impacts to Site soil and/or groundwater could not be determined.

2. **ASTs:** Numerous ASTs currently are or historically were located throughout the Site. These ASTs represent a material threat of a release of hazardous substances.
3. **WMAs:** The Site's current WMA is located north of Plant 5 and is utilized for the 90-day storage of hazardous waste. Additionally, satellite accumulation areas are present throughout the plants. There has not been any evidence of a historical release of hazardous substances into the environment from the WMA; however, if not managed properly, they represent a material threat of a release of hazardous substances.
4. **Releases to Sewers:** Based on the review of available documentation, numerous releases of process wastewater to the storm sewer system have occurred. In addition, there was evidence of industrial waste entering the sanitary sewers when industrial waste backed up in the plant due to valves at the wastewater lift station were closed for a release that occurred in November 1987. Released materials included acids, solvents, and petroleum products. Potential impacts to Site soil and/or groundwater could not be confirmed. Based on a review of available information, no releases directly to the subsurface were identified.

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

1. **PCB – Survey:** No comprehensive PCB survey has been conducted in existing hydraulic equipment. The Site currently utilizes hydraulic equipment, including dock levelers and elevators.
2. **Asbestos-Containing Materials (ACM):** ACM is present at the Site. Based on observations during the Site inspection, ACM is in good condition. During any activities that may disturb ACM (i.e., renovation or demolition), ACM must be handled in accordance with all state and federal regulations.

3. **Lead-Based Paint (LBP):** LBP is present at the Site. Based on observations during the Site inspection, LBP is in good condition. During any activities that may disturb LBP (i.e., renovation or demolition), LBP must be handled in accordance with all state and federal regulations.

1.0 INTRODUCTION

1.1 DEFINITIONS

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

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

Potential Area of Release (PAOR) – areas, equipment, or structures that contain hazardous substances or petroleum products under conditions that, if not managed properly, represent a material threat of a release into the soils, groundwater, or surface water of the property. A PAOR is not a PAOC because there is no evidence of a release to the environment, while if there is evidence of a release then the PAOR would be classified as a PAOC that would require decommissioning.

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

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

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

Conestoga-Rovers & Associates, Inc. (CRA) was retained by Environmental Corporate Remediation (ENCORE), at the direction of GM Legal Counsel, to complete a Phase I ESA of the Pontiac Centerpoint Campus – Validation Center (PCC-VC) located at 200 South Boulevard West in Pontiac, Michigan (Site). ENCORE is a wholly-owned subsidiary of General Motors Corporation (GM). In defining a standard of good commercial and customary practice for conducting an environmental site assessment of a parcel of property, the goal of the processes established by the ASTM Standard Practice E1527-00 is to identify recognized environmental conditions (RECs). The purpose of the Phase I ESA was to use good commercial and customary practices to identify RECs and determine if these RECs are PAOCs or PAORs associated with the Site and to evaluate business environmental risk as defined in ASTM E1527-00 for the Site. This ESA included an evaluation of substantive potential compliance issues. The Site location is presented on Figure 1.1. The current Site plan is presented on Figure 1.2.

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

- review of Federal and State environmental databases and historical records;
- review of aerial photographs of the Site;
- review of past and current property use and adjacent property occupancy;
- inspection of the facilities, equipment, utility services, operations, and associated Site records;
- observations of Site conditions;
- review of chemical use and storage and spill/release incidents;
- review of waste handling, accumulation, storage, and disposal practices;
- review of air emissions, and stormwater and wastewater discharges;
- review of equipment that may potentially contain polychlorinated biphenyls (PCBs);

- interviews with individuals associated with the Site;
- observation of potential asbestos-containing materials (ACM);
- review of aboveground and underground storage tank records;
- review of the results of prior inspections and remedial activities conducted at the Site; and
- review of previously prepared environmental reports for the Site.

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

1.3 SITE DESCRIPTION

The Site is located at 200 South Boulevard West in Pontiac, Oakland County, Michigan. Historical addresses associated with the Site have included 275 Franklin Street**,** 45399 Woodward Avenue, and 600 and 660 South Saginaw Street. The Site is comprised of approximately 133 acres of land consisting of three manufacturing plants, Plants 3, 4, and 5; Building 30; several ancillary structures (a substation, a hazardous waste 90-day storage building, an aboveground storage tank (AST) farm); paved parking areas; Central Vehicle Operations (CVO) areas; and landscaped areas. Plant 4 includes Buildings 20, 25, 31, and 37. The Site location is presented on Figure 1.1. A Site plan is presented on Figure 1.2.

GM acquired the buildings that comprise the Site in phases. The following is a summary of the major Site buildings and the dates acquired by GM.

Plant	*Buildings*	*Year Acquired*	*Acquired From*
3	--	1940	Wilson Foundry Co.
4	20, 25, 37, 31	1937	Wilson Foundry Co.
5	--	1965	Wilson Foundry Co.

The existing CVO Parking and Product Vehicle Parking areas are present in the area of the former Plant 1. Plant 1 was purchased from the Rapid Motor Company in 1906 and was razed by GM between 1972 and 1984. Based on the review of available information, historical operations conducted at former Plant 1 included metal finishing operations (plating, phosphating, pickling, heat treat, and painting), stamping, machining, grinding, polishing, solvent and oil storage, and several other manufacturing processes.

Additionally, several underground storage tanks (USTs) and transformer substations were identified within the former Plant 1 area, along with a tunnel leading from a former adjacent Consumers Power Company facility. Building slabs and foundations reportedly remain beneath the existing paved parking areas.

Plant 3 was acquired from the Wilson Foundry Company (Wilson) in 1940. According to historical documentation, the Site was used by Wilson to manufacture motors and castings. Historical GM operations have included paint mixing, paint booths/ovens, a phosphate line, and hazardous waste storage. More recently, Plant 3 was referred to as the "Paint Shop", serving the entire complex. Plant processes included color painting; an 8-stage phosphate process located in the northeast corner; an electrodeposition paint operations (ELPO) dip tank centrally located along the western portion of the building; and paint storage and mixing operations in the basement along the south wall. Part of the southern portion of the building is used as office space. A former powerhouse (Building 13), former Building 12, and former Buildings 14 and 35 were historically located to the west of Plant 3.

Plant 4, reportedly acquired from the Wilson in 1937, occupies the southeast corner of the Site and consists of Buildings 20, 25, 31, and 37. Plant 4 previously consisted of four distinct buildings, three of which (20, 31 and 37) were subsequently joined into one structure.

Building 25 is a one-story building with a basement, and is located in the south-central portion of the Site. According to documentation reviewed by CRA, Building 25 was used for material storage until the early 1970s, at which time it was converted to the G-Van body shop. Most recently, Building 25 was utilized for welding operations. On the first floor, assembly/body work was performed in the building's south side; a chassis touch-up area was present along the western side of the building; and a battery recharge area was located in the northeast corner of the structure. The basement of Building 25 consists of office space.

Building 31 is a one-story building located along the east side of the Site, just south of adjoining Building 20. According to documentation reviewed by CRA, historical operations have included a spray booth, material storage, and assembly for school buses. More recently, the northern portion was used for storage; the southwest portion for shipping/receiving; the eastern half for quality assurance/quality control laboratories; and the northwestern half for plant maintenance and miscellaneous repairs.

Building 20 is a three-story building with basement located along the east side of the Site, between adjoining Buildings 31 and 37. According to documentation reviewed by CRA, Building 20 contained a spray booth that was later removed, and large in ground conveyors. More recent operations have included a small test spray booth located along the east side of the building; plant maintenance in the southwest portion; lubricating oil fill station; an enclosed oil drum storage area; and small parts storage.

Building 37 is a one-story building located along the east side of the Site north of adjoining Building 20. According to documentation reviewed by CRA, the building was previously used for assembly operations and as a body shop. Most recently Building 37 was used for equipment storage and maintenance activities.

Plant 5 is a two-story structure located near the geographic center of the Site. The plant was reportedly acquired from the Wilson Foundry Company in 1965. According to documentation reviewed by CRA, historical operations have included the manufacture of motors and castings, and machining operations. Most recently, GM utilized Plant 5 for the final assembly of small and mid-sized trucks. The majority of the south end of the building was used for parts storage.

Building 30 is located in the northeast corner of the Site and was constructed between 1964 and 1968. Building 30 is a long, rectangular one-story structure with high bay ceilings. Formerly, a railroad line entered at the northern end of the building. While previous uses are unknown, Building 30 was used most recently for railcar loading/unloading operations and temporary parts/equipment storage.

A switch yard and primary house belonging to Detroit Edison are located directly north of Plant 5, along with an industrial wastewater lift station. The industrial wastewater lift station includes six large underground storage vaults. This wastewater is periodically pumped via five underground sewers to a neighboring GM facility (Pontiac Assembly Center) for treatment.

Four fuel ASTs are located in a tank farm north of the industrial wastewater lift station. The tanks store gasoline and diesel fuel used to supply the adjacent dispensing pump, which dispenses fuel to company vehicles, and fluid fill operations in Plant 5.

A Waste Management Area (WMA) is present adjacent to the north of the tank farm. This structure is used to store hazardous waste (up to 90 days) and non-hazardous waste prior to removal from the Site for disposal and for cleaning of empty drums. The structure is an approximately 1,400 square-foot building on a sealed concrete

containment pad. The containment pad has a self-contained spill collection sump, and is enclosed by a concrete curb, with an access ramp.

1.4 ENVIRONMENTAL SETTING

Based on observations made during the Site inspection, the Site is located in an area of mixed industrial, commercial, and residential land use. Residential dwellings border the west and south portions of the Site, and a mix of commercial, industrial and residential properties border the north and east portions of the Site.

1.4.1 TOPOGRAPHY

Based on historical topographic maps reviewed by CRA, the southeastern portion of the Site is located at an elevation of approximately 960 feet above mean sea level (AMSL), with the northern portion identified as approximately 930 feet AMSL, in the vicinity of former Plant 1.

1.4.2 GEOLOGY

Topography and overburden in the vicinity of the Site are the result of glacial and post-glacial deposition and erosional processes. Continental glaciers advanced into this area of Michigan at least twice, once in each of the last two glacial stages of the Illinoian and Wisconsinian glaciers of the Pleistocene Epoch.

The Site is located in an area of terminal or end moraine. In the area surrounding the Site, the end moraine material may vary from slightly less than 100 feet to as much as 350 feet. The end moraine material is generally medium textured till with a dominant clay and silt matrix.

The Coldwater Shale, of Early Mississippian age, is the first bedrock formation encountered below the Site at an elevation of approximately 625 to 650 feet above mean sea level (AMSL) (to an approximate depth of 250 to 350 feet). This shale is dark brown to black, bituminous, fissile, and finely laminated. The Coldwater Shale may be as much as 1,300 feet thick in the vicinity of the Site. Located below the Coldwater Shale are sedimentary formations of the Berea Sandstone-Bedford Shale unit.

The regional geologic profile typically consists of three distinct units, including: (1) a surficial fill and/or a native granular horizon; (2) a glacial till deposit; and (3) a Mississipian-aged bedrock (Coldwater Shale). In areas of the Site, the surficial fill materials are typically comprised of a variable mix of sand, gravel, clay, asphalt, concrete, and other engineered fill. The fill units range in depth from approximately 5 to 15 feet below ground surface (bgs). Below the fill material, up to 350 feet of glacial material is encountered. This glacial material generally consists of a medium-textured, poorly stratified clay till with thin, laterally discontinuous lenses of silts, sands, and/or gravels. However, in the vicinity of the Site, the glacial till does contain several interbedded laterally continuous sand layers of variable thicknesses between 120 and 350 feet bgs. This includes a glacial outwash deposit of well-sorted sand and gravel at approximately 220 feet bgs.

Based on the review of previous environmental assessment reports, the majority of the Site is covered with asphalt or concrete with an approximate thickness of six inches. The fill immediately below the asphalt or concrete is a sand material of unknown origin. The thickness of the fill varies from 0 to 5 inches throughout the Site. Underlying the fill material is native soil. The upper 8 to 10 feet of the native soil is primarily clay with some sands. The clay is typically underlain by a silt horizon of variable thickness. The silt horizon contains varying amounts of sand and clay. Discontinuous sand seams up to two feet thick were encountered within the silt horizon. (RMT, 1994)

1.4.3 HYDROGEOLOGY

Groundwater resources in the Clinton and Rouge River watersheds exist in both the glacial drift and the bedrock of the area. In the region surrounding the Site, groundwater is encountered in four general water-bearing units:

- unconfined water table zone;
- glacial till aquifer(s);
- lower sand and gravel aquifer; and
- bedrock aquifer(s).

The upper glacial till of the area contains an unconfined water table, which is influenced by seasonal precipitation, local drainage patterns, and topography. The water table is located at a depth of approximately 10 to 30 feet bgs and the saturated thickness is

approximately 5 to 10 feet. The unconfined water table zone is not utilized for water supply purposes.

The glacial till is approximately 250 to 350 feet in thickness in the vicinity of the Site. The glacial till moraines consist of poorly stratified clays, sand, and gravel that are not always continuous with depth. This material does not transmit large quantities of water and as a result, water-bearing zones within this unit are not considered significant aquifers. However, in some areas, glacial outwash underlies the moraine material. In the vicinity of the Site, the outwash appears in a more complex, bedded sequence with the moraine. It is within these interbedded layers of outwash that larger quantities of water are yielded over longer periods of time.

The regional lower sand and gravel aquifer is glacial outwash that generally consists of beds of well-sorted sand and gravel. This aquifer unit underlies the glacial till and interbedded aquifers described above. Although the lower sand and gravel aquifer is not widespread throughout southeastern Michigan, it is prevalent throughout the region of the Site where the outwash is in distinct channels. This unit is considered the most important aquifer in the region as it provides storage for large quantities of water that can be used for both residential and industrial supplies. The lower sand and gravel aquifer is considered to be protected from surface contamination by the more impervious overlying glacial till aquitards.

On a regional basis, the Coldwater Shale and the Bedford Shale are commonly considered nonproductive aquifers, typically yielding only small amounts of water. However, on a local basis, within parts of the region, the Coldwater Shale contains beds of sandstone. This occasional sandstone, and the Berea Sandstone where present, yield enough water for residential use. A more abundant water supply is found at impractical greater depths and with significant increases in mineral content. The bedrock water resources, like the more usable lower sand and gravel aquifer above them, are considered to be protected from surficial contamination.

Based on the review of previous investigations conducted at the Site, water levels encountered within the overburden ranged between 8 to 10 bgs. Groundwater levels in the overburden material would be expected to vary in response to rainfall and changes in the levels in nearby surface waters. The overall direction of shallow groundwater flow was identified to be towards the north and northwest of the Site at an average gradient of 0.02 feet per foot (RMT, .1994)

1.4.4 SURFACE WATER BODIES

No surface water bodies are present at the Site. The closest surface water bodies to the Site are the Clinton River and Crystal Lake, which are located approximately 2,100 feet to the west of the Site. These surface water bodies are part of the Clinton River Watershed, which ultimately migrates east over a minimum distance of 26 miles towards the St. Clair River and becomes part of the Great Lakes water system.

1.4.5 ENVIRONMENTALLY SENSITIVE AREAS

CRA obtained and reviewed the National Wetlands Inventory Map (NWIM) for Pontiac North and South, Michigan. No wetlands were mapped for the Site. A copy of the NWIM is presented in Appendix B.

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

1.4.6 ZONING OF SITE AND AREA

Based on the review of the City of Pontiac zoning map, the Site is zoned as M-2 (Heavy Manufacturing). The surrounding areas are zoned as P-1 (Parking), M-2 (Heavy Manufacturing), R-1 (One Family Dwelling), R-2 (Two Family and Terrace Family Dwelling), C-1 (Local Business), and C-3 (Fringe CBD and Thoroughfare Frontage Business). A copy of a portion of the City of Pontiac zoning map is presented in Appendix C.

1.5 SITE HISTORY

GM began operation of the Site in 1906 after they purchased the northern half of the Site from the Rapid Motor Car Company. The acquired area was developed into Plant 1, which was one of the original buildings on Site. Based on the review of available information, historical operations conducted at former Plant 1 included metal finishing operations (plating, phosphating, heat treating, pickling, and painting), stamping, machining, grinding, polishing, solvent and oil storage, and several other manufacturing processes. Additionally, several USTs and transformer substations were identified within the former Plant 1 area, along with a tunnel leading from a former adjacent

Consumers Power Company facility. Building slabs and foundations reportedly remain beneath the existing paved parking areas. Currently, the Site uses the area of former Plant 1 for CVO purposes.

GM acquired plants 3 and 4 in 1940 and 1937 respectively, and Plant 5 was purchased in 1963. These plants became part of the GM Truck and Bus Group in 1983 and part of North American Truck Platforms (NATPs) in 1993. In December 1994, production and operations associated with the former NATP Pontiac West Assembly (PWA) ceased. In April 1996, the Site became known as the NATP Truck Validation Center (Validation Center), with the name eventually changed to PCC–VC. The Site operated concurrently with the GM Truck Product Center (TPC), to run prototypes for utility vehicle assembly line production. The Site also ran prototype production for painting processes, including usage rates, coating effectiveness, and actual viability of the process. Ancillary operations included research and development and engineering for individual components for new utility vehicle models. Operations at the PCC-VC ceased in August 2005. The Site is currently unused, with the exception of CVO and various maintenance operations.

Based on the review of available information and discussions with individuals associated with the Site, additional uses of the northern portion of the Site consisted of: residential dwellings and commercial stores; former Fire Station No. 2, and a former gas station, which was located at the far northeast corner. West Wilson Avenue, previously known as West Foot Avenue, historically bisected the Site, running in an east-west direction. Based on the review of available information and discussions with individuals associated with the Site, additional uses of the northern portion of the Site consisted of: various commercial properties including a bank and a hospital; as well as industrial properties including Flander's Electrical Company Incorporated (manufacturers of electric automobiles); Pontiac Drop Forge Company; the Wilson Foundry and Machine Company; and Detroit Weather Proof Body Company.

Based on the review of available documentation and discussions with individuals associated with the Site, the historical operations at former Plant 1 are PAOC No. 1 and the historical operations at Plants 3, 4, and 5 are PAOC No. 2. No PAORs were identified associated with Site history, other than those identified in subsequent sections. Locations of PAOCs and PAORs are presented on Figure 3.1.

1.5.1 PAST OWNER HISTORICAL USE

Based on the review of available information and discussions with individuals associated with the Site, the northern portion of the Site consisted of: residential dwellings and commercial stores; a former gas station, which was located at the far northeast corner; former Fire Station No. 2; and the Rapid Motor Car Company, whose operations were identified as woodworking and motor testing.

West Wilson Avenue, previously known as West Foot Avenue, historically bisected the Site, running in an east-west direction. The south portion of the Site consisted of: various commercial properties including a bank and a hospital; as well as industrial properties including Flander's Electrical Company Incorporated (manufacturers of electric automobiles); Pontiac Drop Forge Company; the Wilson Foundry and Machine Company; and Detroit Weather Proof Body Company (manufacturers of winter tops for automobiles).

1.5.2 CURRENT OWNER HISTORICAL USE

GM purchased the Rapid Motor Car Company in 1906. The acquired area was developed into Plant 1. Based on the review of available information, historical operations conducted at former Plant 1 included metal finishing operations (plating, phosphating, heat treating, pickling, and painting), stamping, machining, grinding, polishing, solvent and oil storage, and several other manufacturing operations. Additionally, several USTs and transformer substations were identified within the former Plant 1 area, along with a tunnel leading from a former adjacent Consumers Power Company facility. Building slabs and foundations reportedly remain beneath the existing paved parking areas.

GM acquired plants 3 and 4 in 1940 and 1937, respectively, and Plant 5 was purchased in 1963. These plants became part of the GM Truck and Bus Group in 1983 and part of NATPs in 1993. In December 1994, production and operations associated with the former NATP PWA ceased. In April of 1996, the Site became known as the NATP Validation Center, with the name eventually changed to PCC–VC. The Site operated concurrently with the GM TPC, to run prototypes for utility vehicle assembly line production. The Site also ran prototype production for painting processes, including usage rates, coating effectiveness, and actual viability of the process. Ancillary operations included research and development and engineering for individual

components for new utility vehicle models. Operations at the PCC-VC ceased in August 2005.

1.5.3 CURRENT USE

Operations at the PCC-VC ceased in August 2005. The Site is currently unused, with the exception of CVO and various maintenance operations.

1.5.4 CURRENT AND HISTORICAL USE OF ADJACENT SURROUNDING PROPERTIES

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

Adjacent properties to the east of the Site currently include railroad tracks and various commercial properties, with South Saginaw Street located beyond. Historically, numerous manufacturing properties and filling stations were present along South Saginaw Street (see Section 2.3.1). No further information regarding potential impacts from historical operations by the adjacent properties to the east was available.

Adjacent properties to the north of the Site currently include Rapid Street with Planet Rock and several Azko Nobel facilities located beyond. Azko Nobel facilities were listed in the Resource Conservation and Recovery Act (RCRA) Large Quantity Generator (LQG) database. Historically, a powerhouse (also known as Pontiac Power Company Electric Light Plant, Detroit Edison Company Electric Light Plant, and Consumers Power Company) was located in the location of the current Planet Rock building. Residential and commercial properties (stores, etc.), along with a filling station, were also historically located to the north of the Site (see Section 2.3.1). No further information regarding potential impacts from historical operations by the adjacent properties to the north was available.

Adjacent properties to the west of the Site currently include Franklin Street with residential and commercial properties located beyond. Historically, the Spar Mac Plating Manufacturing Company was located to the west of the Site (see Section 2.4.1.3).

No further information regarding potential impacts from historical operations by the adjacent properties to the west was available.

Adjacent properties to the south of the Site currently include South Boulevard West with residential and commercial properties located beyond. Historically, this area consisted of residential and commercial properties, with a filling station. No further information regarding potential impacts from historical operations by the adjacent properties to the south was available.

Based on the review of available information, the historical adjacent properties are PAOC No. 3. No PAORs were identified associated with current and historical use of adjacent surrounding properties. Locations of PAOCs and PAORs are presented on Figure 3.1.

1.6 REPORT ORGANIZATION

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

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

2.0 ENVIRONMENTAL DATABASES SEARCH AND HISTORICAL RECORDS SEARCH

2.1 ENVIRONMENTAL DATABASES SEARCH

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

2.1.1 FEDERAL DATABASES

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

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

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

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

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

   FINDING: According to the databases searched, the Site was not listed in the NFRAP Sites Report. No adjacent sites were listed in the NFRAP Sites Report. One site within a half-mile radius of the Site was listed in the NFRAP Sites Report, this being Pontiac Medical Associates located at 44696 Woodward.

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

   FINDING: According to the databases searched, the Site was listed in the RCRA-TSD Report as General Motors Corporation located at 200 South Boulevard (see Section 3.7). No sites within an one-mile radius of the Site were listed in the RCRA-TSD Report.

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

tracked by the RAATS; inspections and evaluations conducted by Federal and State Agencies; all reported facility violations, the environmental statutes violated and any proposed and actual penalties; information pertaining to corrective actions undertaken by the facility or the U.S. EPA; and a complete listing of U.S. EPA-regulated hazardous wastes which are generated or stored on site.

FINDING: According to the databases searched, the Site was listed in the CORRACTS Report as General Motors Corporation located at 200 South Boulevard (see Section 3.7) as having a low priority status. No sites within an one-mile radius of the Site were listed in the CORRACTS Report.

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

   FINDING: According to the databases searched, the Site was listed in the RCRA-LQG Report as General Motors Corporation located at 200 South Boulevard (see Section 3.7). The following adjacent sites were listed in the RCRA-LQG Report:

Facility	*Address*
Akzo Nobel Coatings, Inc.	30 Brush Street
Akzo Nobel Coatings, Inc.	27 Brush Street
Akzo Nobel Coatings, Inc.	25 Brush Street
Akzo Nobel Coatings, Inc.	120 Franklin

   No other sites within a quarter-mile radius of the Site were listed in the RCRA-LQG Report.

One site was listed in the RCRA-LQG Report, but could not be located by EDR with respect to the Site due to incomplete address information, this being Freiborne Industries, Inc. located at 15 W. Silverdome Industrial Parkway.

7. Resource Conservation and Recovery Act - Small Quantity Generators Report - The RCRA-SQG Report contains information regarding facilities that either generate between 100 kg and 1,000 kg of U.S. EPA-regulated hazardous waste per month or meet other applicable requirements of RCRA. The following information also is included in the RCRA-SQG Report: information regarding the status of facilities tracked by the RAATS; inspections and evaluations conducted by Federal and State Agencies; all reported facility violations, the environmental statutes violated and any proposed and actual penalties; information pertaining to corrective actions undertaken by the facility or the U.S. EPA; and a complete listing of U.S. EPA-regulated hazardous wastes which are generated or stored on site.

   FINDING: According to the databases searched, the Site was listed in the RCRA-SQG Report as GMC Truck & Coach Div. – Pontiac located at 275 Franklin Street (see Section 3.7). No adjacent sites were listed in the RCRA-SQG Report. The following sites within a quarter-mile radius of the Site were listed in the RCRA-SQG Report:

Facility	*Address*
Epoxi Tech	8 Brush Street
Industrial Vehicle Sales	45896 Woodward
Woodward Motor Mall, Inc.	45751 Woodward Ave.
Consumers Energy – Franklin Substation	68 W. Wilson St.
Jerome Arnold Cadillac	675 S. Saginaw
Crestview Cadillac-Subaru	675 S. Saginaw
Detroit Edison Co.	761 S. Woodward
Minit Lube 1274	714 Woodward
Mult A Frame Corp.	366 S. Blvd. E.
Arnold Jerome Cadillac Subaru	815 Woodward Ave.
International Transmission Com.	44800 Woodward Ave.
Medical Associates, Inc.	44656 Woodward Ave.
Auto Clinic	44732 Woodward Ave.
St. Joseph Mercy Hospital	44405 Woodward Ave.

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

Facility	*Address*
Bloomfield Office Center	38505 North Woodward
MI Dept/Transportation Bridge S01-63052	US-10 at Orchard Lake Rd.
City of Pontiac	Corner Sanford & Central
Sunoco Service Station	7660 Highland Rd.
Minit Lube 1036	7585 Highland Rd.
All Saints Episcopal Church	171 W. Pike

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

   FINDING: According to the databases searched, the Site was listed in the ERNS with an address of 600 South Saginaw Street (see Section 3.16).

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

   FINDING: According to the databases searched, the Site was not listed in the TRIS Database.

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

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

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

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

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

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

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

    FINDING: According to the databases searched, the Site was listed in the FINDS as General Motors Corporation located at 200 South Boulevard.

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

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

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

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

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

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

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

    FINDING: According to the databases searched, the Site was not listed in the NPL Recovery.

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

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

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

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

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

    FINDING: According to the databases searched, the Site was not listed on the TSCA List.

21. FIFRA/TSCA Tracking System (FTTS) – FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA

and EPCRA (Emergency Planning and Community Right-to-Know Act) over the previous five years.

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

2.1.2 STATE DATABASES

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

   FINDING: According to the databases searched, the Site was listed in the UST Database as Pontiac West Assembly located at 600 South Saginaw Street. The Site was listed as having 14 removed USTs (see Table 3.1). No adjacent sites were listed in the UST Database. The following sites within a quarter-mile radius of the Site were listed in the UST Database:

Facility	*Address*	*Number of Tanks*	*Status*
Department of Public Works	55 Wesson Street	11	Removed
		2	CIU
Anderson Companies Warehouse	37 Turk Street	1	Removed
Lowry Tire Co.	370 South Saginaw	1	Removed
Pontiac Fuel, Inc.	45054 Woodward Rd.	12	Removed
		3	CIU
Gaukler Storage, Co.	400 South Blvd. E.	3	Removed
Minit-Lube	714 Woodward	1	Removed
Pontiac Station #2	348 South Blvd. W.	1	Removed
St. Joseph Mercy Hospital	44405 Woodward Ave.	4	Removed
		1	CIU
Truck Center	554 Franklin Rd.	4	Removed

CIU – Currently In Use

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

Facility	*Address*
Shell Service Station	1415 Telegraph/Golf
Wabeek County Club Maintenance Bldg	4400 Wabeek Lake Dr.
Former Winter Property	560 S. Boulevard East
Pepsi-Cola Pontiac Warehouse	960 Featherstone St.
Sun Valley Properties, Inc.	675 S. Saginaw St.
Gordon & Frieda Hartunian	1 Silverdome Industrial Park
Sears, Roebuck & Co.	435 N. Telegraph Rd.
Asantes Properties, LLC	590 Wide Track Drive East
Woodward Office Plaza	800 Woodward Ave.
Speedy Muffler King	810 Woodward Ave.
Speed Stop #113	3990 East 12 Mile & Ryan

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

FINDING: According to the databases searched, the Site was listed in the LUST Report as Pontiac West Assembly located at 600 South Saginaw Street. The Site was listed as having a "closed" status for three separate releases (Leak Nos. C-0707-85, C-0942-95, and C-0941-95)(see Section 3.3). No adjacent sites were listed in the LUST Report. The following sites within a half-mile radius of the Site were listed in the LUST Report:

Facility	*Address*	*Status*
GM Truck & Bus East	31 E. Judson St.	Closed
Department of Public Works	55 Wesson St.	Open
Anderson Companies Warehouse	37 Turk St.	Open
Pontiac Fuel, Inc.	45054 Woodward Rd.	Open
Gaukler Storage, Co.	400 South Blvd. E	Closed
Pontiac Station #2	348 South Blvd. W	Open
St. Joseph Mercy Hospital	44405 Woodward Ave.	Closed
Truck Center	554 Franklin Rd.	Open

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

Facility	*Address*
Shell Service Station	1415 Telegraph/Golf
Wabeek County Club Maintenance Bldg	4400 Wabeek Lake Dr.
Former Winter Property	560 S. Boulevard East
Pepsi-Cola Pontiac Warehouse	960 Featherstone St.
Orchard Lake Road	494 Orchard Lk. Rd.
Expansion Funds, Inc.	447 S. Saginaw
Sun Valley Properties, Inc.	675 S. Saginaw St.
Asantes Properties, LLC	590 Wide Track Drive East
Woodward Office Plaza	800 Woodward Ave.
Speedy Muffler King	810 Woodward Ave.
Speedway Station NO. 2261	3990 East 12 Mile/Ryan

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

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

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

   FINDING: According to the databases searched, the Site was not on the State Hazardous Waste Sites List. No sites within an one-mile radius of the Site were on the State Hazardous Waste Sites List.

5. Baseline Environmental Assessment (BEA) Database – The BEA Database is provided by the Michigan Department of Environmental Quality (MDEQ). BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

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

Facility	*Address*
R.A. Miller Holding, LLC	37 Turk
Parts Packaging	391 E. Wilson Avenue
A&M Properties	303 Harrison
Heat Treat Services, Inc.	245 South Boulevard
Light Industrial Building	554 Franklin Road

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

Facility	*Address*
UAG Michigan H1, LLC	1819 and 1925 S. Telegraph Rd.
Rite Aid of Michigan	390, 370-380, 358-360/ 352-354 Martin
Manville Manufacturing Company	341 and 342 Rockwell Avenue
Michigan Cat Rental Services	SW Corner of Wide Track Drive
Detroit Newspapers	70 East Industrial Drive
Rally's Restaurant (former)	684 North Martin Luther King Blvd.
Harris Lake Park Development	Montcalm Street west of Saginaw
Silverdome Industrial Court East	55 Silverdome Industrial Court East
TKG Enterprises, LLC	30 West Silverdome Industrial Park

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

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

Based on the review of the environmental database search results, no PAOCs or PAORs were identified associated with the Site or surrounding properties, other than those noted in Section 3.0.

2.2 PUBLIC RECORD REVIEW RESULTS

Public records reviewed during this Phase I ESA include those presented in Section 2.1, which were reviewed during the environmental database search; the City of Pontiac zoning map, as presented in Section 1.4.6; Sanborn maps, as presented in Section 2.3.1; historical aerial photographs as presented in Section 2.3.3; topographic maps, as presented in Section 2.3.4; city directories, as presented in Section 2.3.5; and the NWIM, as presented in Section 1.4.5. Additionally, local representatives were contacted as presented in the subsections below.

2.2.1 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

The U.S. EPA was contacted during this Phase I ESA to obtain a copy of the Draft Preliminary Review/Visual Site Inspection (PR/VSI) and Preliminary Assessment (PA) that was conducted at the Site. CRA received the Draft PR/VSI and PA on October 6, 2006.

2.2.2 STATE AGENCY

The MDEQ was contacted during this Phase I ESA. Files were received from the MDEQ and were reviewed between June and September 2006. Information obtained from the MDEQ through Freedom of Information Act (FOIA) requests is summarized throughout this document in the appropriate sections.

2.2.3 LOCAL MUNICIPALITY

The City of Pontiac zoning map was reviewed online (see Section 1.4.6). The local zoning map is presented in Appendix C. Historical aerial photographs were also obtained and reviewed from EDR and the Oakland County Planning Commission office (see Section 2.3.3).

2.3 HISTORICAL RECORDS REVIEW

2.3.1 SANBORN FIRE INSURANCE MAPS

Sanborn Fire Insurance Maps (Sanborn Map) assist in the identification of historic land use and commonly indicate the existence and location of ASTs, USTs, structures, improvements and facility operations. Sanborn Maps for the years 1909, 1915, 1919, 1924, 1950, and 1970 were available for the Site and adjoining properties. Copies of Sanborn Maps are presented in Appendix E.

As indicated on the Sanborn Maps, the Site is bordered to the north by Rapid Street; to the east by South Saginaw Street; to the south by South Boulevard; and to the west by Franklin Road. West Wilson Avenue (formerly West Foot Avenue), which runs east to west, historically bisected the Site into the northern and southern areas.

In general, Sanborn Maps are available for areas to the north, northeast, east, southeast, south, west and northwest. There are no Sanborns depicting the area to the southwest of the Site. The adjoining properties to the northwest of the Site are essentially undeveloped on all Sanborn Maps.

On the 1909 Sanborn Map, the northern area of the Site is identified as being occupied by the Rapid Motor Vehicle Company (RMVC), who manufactured commercial power wagons. Specific operations at RMVC are identified as woodworking, heat treating, and motor testing. The Grand Trunk Railroad (GTRR) has two lines that run along the eastern property boundary. To the east of the Site, beyond the GTRR and before South Saginaw Street, the properties consist of residential dwellings. A powerhouse is present to the north of the Site, consisting of boilers, an engine room, and coal storage. Residential dwellings, a cobbler, a grocery, and a confectionery (candy store) are also present to the north. The area to the southeast of the Site at South Saginaw Street and Jessie Street consists of industrial properties known as Welch Motor Car Company (Welch) and Hubbard Spring Works (HSW). Operations at Welch are identified as assembly, testing, and painting. Sanborn Maps were not available for the remaining areas adjacent to the Site in 1909.

On the 1915 Sanborn Maps, the northern area of the Site consists of residential dwellings and the General Motors Truck Company (GM Truck), who are identified as manufacturers of gasoline and electric trucks. The GM Truck facility consisted of machine shops, storage areas and paint shops. The GTRR tracks enter and exit the Site, running north to south. Between South Saginaw Street and the GTRR there are

residential dwellings. The southeastern area of the Site consists of a mix of residential dwellings and commercial/industrial properties, including Flander's Electrical Company Incorporated (Flander's), manufacturers of electric automobiles; Pontiac Drop Forge Company (PDFC); and the Wilson Foundry and Machine Company (Wilson Foundry), whose operations are identified as manufacturing motors and castings. The Sanborn Maps indicate the presence of an oil house, an acid house, and a 5,000-gallon fuel oil tank located to the northwest of the PDFC property. Additionally, a set of GTRR tracks enter the Site from the north and exit to the west and to the south. The adjoining properties to the north consist of residential and commercial properties, as well as the Pontiac Power Company - Electric Light Plant. The Monroe Body Company (MBC), who manufactured "automobile bodies in the white", is present to the northeast of the Site, across South Saginaw Street. Specific operations identified with the MBC include auto trimming and painting, assembly, and other ancillary operations. Additionally, the Pontiac Lumber Yard, Chas T. Sterns Bending Works, Pontiac Vinegar Company, and Pontiac Bending, and a cattle slaughterhouse are present in this area. The adjoining properties to the east of the Site consist of various residential dwellings; Northway Motors and Manufacturing Company (Northway) who manufactured gasoline motors; and M.D. Hubbard Spring Company (Hubbard) who manufacture coil wire springs. The GTRR line runs along the eastern side of these properties. Sanborn Maps were not available for areas adjacent to the south or west of the Site.

On the 1919 Sanborn Maps, the northern area of the Site consists of GM Truck Company Division with one residential dwelling. Plant 1 was expanded to include a Test House between 1915 and 1919. A 12,000-gallon gasoline tank is present in the central portion of the buildings. Fire Department Station No. 2 is present in the southeast corner of the northern area. The southern area of the Site consists of various commercial and industrial properties. The industrial properties include Wilson Foundry; PDFC; and Detroit Weather Proof Body Company (DWPBC). The Wilson Foundry has expanded compared to what is visibly evident on the 1915 Sanborn Map, and contains multiple machine shops, core ovens, cleaning rooms, and an acetylene gas plant. Portions of the Wilson Foundry are identified to have earthen floors. The PDFC property contains a machine shop, a drop forge shop, and a cleaning room. To the northwest of the PDFC property there is a 5,000-gallon fuel oil tank, and to the southeast there are four 9,500-gallon fuel oil tanks. Operations at the DWPBC are identified as manufacturing of winter tops for automobiles, and the plant has several woodworking areas. The adjoining properties to the north of the Site appear to remain essentially unchanged from the 1915 Sanborn Maps, except the Pontiac Power Company Electric Light Plant became known as the Detroit Edison Company Electric Light Plant. The adjoining properties to the northeast appear to remain essentially unchanged from the 1915

Sanborn Maps. The adjoining properties to the east appear to remain essentially unchanged from the 1915 Sanborn Maps, except the Northway property became known as Wilson Foundry. The MBC, Oakland Motor Car Company Plant No. 3, Pontiac Lumber Yard, Markley Commercial Body Company, Chas T. Sterns Handle Factory, Pontiac Vinegar Company, and Pontiac Bending, and Pontiac Packing Company are present in this area. Sanborn Maps were not available for areas located to the south or west of the Site.

On the 1924 Sanborn Maps, the northern area of the Site consists of GM Truck Company Division (Plant 1). The Wilson Foundry dormitories are present to the south of the plant and north of West Wilson Avenue. Four oil tanks and one buried tank are identified to the southeast of the GM plant along the railroad tracks. Fire Department Station No. 2 is present at the northwest corner of West Wilson Avenue and South Saginaw Street, with a gasoline tank associated with the building. Numerous residences are present along West Wilson Avenue, on the north side of the street. An expansion to the GM Truck Plant, including a new machine shop and a storage area, has been completed. Numerous railroad sidings are present on the eastern part of the Site. Portions of the southern area of the Site consist of commercial areas including a bank, St. John's Church, and a hospital. The industrial properties changed such that four new gas tanks were installed on Site (with the potential for three other gas tanks; this could not be verified due to the quality of the Sanborn), seven cupolas were installed at Wilson Foundry, and there are two 12,000-gallon fuel oil USTs located in a concrete vault at the west side of the Wilson Foundry machine shop. A tunnel is present between portions of the Wilson Foundry Plant 1. The PDFC was identified as the Michigan Drop Forge Company (MDFC) and oil tanks and an additional potential UST are present in this area. In addition, the railroad line also expanded to include more parallel tracks that access more shipping areas on Site. A concrete refuse burner (i.e., incinerator) is present on the southwestern portion of the Site, to the west of the Wilson Foundry Plant 4. The adjoining properties to the north of the Site consist of commercial properties and the Consumers Power Company (formerly Detroit Edison Company Electric Light Plant) transformer station. The adjoining properties to the northeast of the Site consist of new commercial properties including an auto repair shop. The adjoining properties to the east of the Site appear to remain primarily residential, with the exception of the Oakland Oil and Gas Company (OOGC) located adjacent to the east of the railroad tracks discussed in the 1915 Sanborn Maps, which is east of the Site. The OOGC had a storage area for oil drums and one gas tank on the property. The adjoining properties to the far southeast consist of the Detroit Edison Company Bloomfield Substation (Edison Substation), which has transformers and an oil tank on the property. The adjoining properties to the south are primarily residential dwellings, and there is one filling

station shown on the Sanborn Maps at the intersection of Franklin Road and South Boulevard. The adjoining properties to the west are entirely residential.

On the 1950 Sanborn Maps, the northern area of the Site consists of expansions to Plant 1 of GM Truck and Coach, Division of Yellow Truck and Coach Manufacturing Company, including the construction of Buildings 13, 18, and 24 and a parking lot area built where the Wilson Foundry dormitories had been. The southern area of the Site consists of the Wilson Foundry, GM Truck and Coach, Division of Yellow Truck and Coach Manufacturing Company, Plants 3 and 4. Plant 3 occupies the southern half (south railroad tracks) of the Wilson Foundry, and Plant 4 occupies the entire east side of the south portion of the Site. Three crude oil tanks are identified to be present under a platform, at the end of the western end of the northern railroad spur for the Wilson Foundry building. Major renovations to buildings occurred and previously observed gas tanks and fuel oil tanks are no longer visible on the Sanborn Maps. Two additional (four total) 12,000-gallon fuel oil USTs were installed adjacent to the two existing tanks at the northwest corner of plant 3. Operations at Plants 3 and 4 are identified as shipping, stockpiling, inspecting and office duties. There is a powerhouse west of Plant 3. The adjoining properties to the north of the Site consist of the Consumer Power Company Substation and commercial businesses. The adjoining properties to the northeast of the Site consist of a filling station with three gasoline tanks, a stamping shop, a meat packing shop, and a junkyard. The adjoining properties to the east of the Site consist of residential dwellings, two filling stations with a total of five gasoline tanks, an auto junkyard, Hubbard, a Motor Trucking Terminal with a gas tank at the south end of the property, additional commercial businesses, and the OOGC became Shell Petroleum Corporation. The railroad tracks remain in place, running from the northwest to the southeast. The adjoining properties to the southeast are primarily residential, there is one gas tank at a filling station at the intersection of South Saginaw Street and South Paddock Street, and the Edison Substation expanded the amount of transformers on the property. The adjoining properties to the south consist of residential dwellings and a commercial warehouse. The adjoining properties to the west consist of an increase in density of residential dwellings compared to the 1924 Sanborn Maps, and new commercial properties.

On the 1970 Sanborn Maps, Building 30 has been constructed to the southeast of Plant 1. Also, the four 12,000-gallon fuel oil ASTs and one UST are no longer visibly present on Site. The southern area of the Site consists of industrial property entirely owned by GM. The major change to the Site identified from the 1950 Sanborn Map is the acquisition of the Wilson Foundry. Operations at the newly acquired property were not easily identifiable from the Sanborn Map due to the quality of the map. The adjoining

properties to the north of the Site appear to remain essentially unchanged from the 1950 Sanborn Map, but now include a filling station. The adjoining properties to the northeast of the Site appear to remain essentially unchanged from the 1950 Sanborn Map. The adjoining properties to the east of the Site consist of residential dwellings, commercial properties, two filling stations (no tanks indicated on Sanborn Map), an auto junkyard, Hubbard, an Auto Sales and Service property (formerly Motor Trucking Terminal (gas tank no longer visibly evident)) and Shell Oil Company, which has 14 unknown tanks on the property. The adjoining properties to the southeast, south, and west of the Site appear to remain essentially unchanged from the 1950 Sanborn Map.

Based on the review of the Sanborn maps, the historical operations at former Plant 1 are PAOC No. 1, the historical operations at Plants 3, 4, and 5 are PAOC No. 2, the historical adjacent properties are PAOC No. 3, the USTs at former Plant 1 are PAOC No. 4, the USTs at Plant 3 are PAOC No. 5, the USTs at Plant 4 are PAOC No. 6, the USTs at Plant 5 are PAOC No. 7, the former incinerator is PAOC No. 8, the tunnels are PAOC No. 9, and the former Powerhouse is PAOC No. 10. No PAORs were identified associated with the review of the Sanborn maps. Locations of PAOCs and PAORs are presented on Figure 3.1.

2.3.2 PROPERTY TITLE SEARCH

Historical property title information was not available from GM.

2.3.3 AERIAL PHOTOGRAPHS

Aerial photographs were reviewed to document the general development of the Site and properties in the vicinity of the Site and to identify potential on-Site solid waste disposal areas, fill areas, and any other suspect activities or developments. Aerial photographs of the Site and surrounding areas were obtained for the years 1940, 1949, 1957, 1963, 1964, 1972, 1974, 1980, 1990, 1993, 1997, 2000, 2002, 2005, and 2006 from EDR and the Oakland County Planning and Economic Development Services. Copies of the aerial photographs are presented in Appendix F, with the exception of the 2006 aerial photograph, which could not be included due to size.

The 1940 aerial photo was reviewed at a scale of one inch equals 500 feet and depicts the Site as developed with numerous industrial-type structures. Franklin Street is present to

the west of the Site. Rapid Street is present to the north of the Site. Railroad tracks are present to the east of the Site, with residential/commercial-type structures and South Saginaw Street located beyond. West Wilson Avenue bisects the Site into northern and southern halves, running in an east-west direction. South Boulevard West is present to the south of the Site. Several industrial-type buildings are present on the northern portion of the Site, with railroad spurs entering the structures. A number of smaller structures are present on the southern part of the northern area of the Site. Several large industrial-type structures are present on the southern portion of the Site, with residential/commercial-type structures located along South Boulevard West. Some small areas of surficial disturbance are present around Plant 4 and to the east of Plant 3. A coal pile is present to the east of the former powerhouse. The adjacent properties appear to primarily consist of residential-type structures. The Consumers Power Company building is present to the north of the Site.

The 1949 aerial photo was reviewed at a scale of one inch equals 500 feet and depicts the Site as developed with numerous industrial-type structures. Building 25 has been constructed, along with the addition of Building 31 to Plant 4. Fire Station No. 2 is present on the Site, along with numerous parking lots. An area of surficial scarring is present to the south of Buildings 12 and 27. These buildings historically conducted heat-treat and pickling operations. No further information regarding the surficial scarring was available. Some of the residences have been removed from the Site and additional parking lots are present in these areas. The coal pile is larger. Additional development has occurred in the surrounding area.

The 1957 aerial photograph was reviewed at a scale of one inch equals 500 feet and depicts the Site and surrounding area as essentially unchanged from the 1949 aerial photograph.

The 1963 aerial photograph was reviewed at a scale of one inch equals 300 feet and depicts the Site as essentially unchanged from the 1957 aerial photograph. The surrounding properties have been further developed.

The 1964 aerial photograph was reviewed at a scale of one inch equals 500 feet and depicts the Site and surrounding area as essentially unchanged from the 1963 aerial photograph.

The 1972 aerial photograph was reviewed at a scale of one inch equals 600 feet and depicts the Site as essentially unchanged from the 1964 aerial photograph. The remainder of the residential/commercial-type structures has been removed from the

Site, including the fire station. Building 35 has been added to Building 14. Building 30 has been constructed. The surrounding properties appear to remain essentially unchanged from the 1964 aerial photograph.

The 1974 aerial photograph was reviewed at a scale of one inch equals 300 feet and depicts the Site and surrounding properties as essentially unchanged from the 1972 aerial photograph, with the exception that a portion of former Plant 1 has been removed (Buildings 1A, 1B, 1C, 1D, and 2). The Detroit Edison substation is present.

The 1980 aerial photograph was reviewed at a scale of one inch equals 300 feet. Buildings 2B, 6, 10, and 13 have been removed from the Plant 1 portion of the Site. These areas are used for parking, as well as the area formerly occupied by Buildings 1A, 1B, 1C, 1D, and 2 at Plant 1. The lift station building is present, adjacent to the east of the substation. Building 37 has been constructed. The surrounding properties appear essentially unchanged from the 1974 aerial photograph.

The 1990 aerial photograph was reviewed at a scale of one inch equals 300 feet. The remainder of the structures at Plant 1 has been removed and the area is being used for parking. The remainder of the Site and the surrounding properties appear essentially unchanged from the 1980 aerial photograph.

The 1993 aerial photograph was reviewed at a scale of one inch equals 600 feet. The Site and the surrounding properties appear essentially unchanged from the 1990 aerial photograph, with the exception of some additions to the plants 3, 4, and 5.

The 1997 aerial photograph was reviewed at a scale of one inch equals 300 feet. The northern portion of the Site is used for parking, with Building 30 remaining. Renovations have occurred to Plants 3, 4, and 5, with the western portion of Plant 5 having been removed. Building 13 (the powerhouse) and Buildings 12, 14, 16, 34, and 35 have been removed. Areas of bare ground are present to the north of Building 30. The current AST farm and WMA have been constructed. The railroad spurs entering Building 30 are no longer visible. The surrounding properties to the north of the Site have been developed as industrial properties.

The 2000 aerial photograph was reviewed at a scale of one inch equals 300 feet. The Site appears essentially unchanged from the 1997 aerial photograph, with the exception that no vegetation appears to be present in a small area north of Building 30. A number of the adjacent properties to the northeast of the Site are vacant, and appear to be undergoing redevelopment.

The 2002 and 2005 aerial photographs were reviewed at a scale of one inch equals 300 feet and depict the Site and surrounding properties as essentially unchanged, with the exception that the vacant properties to the northeast of the Site have been redeveloped with commercial-type structures.

The 2006 aerial photograph was reviewed at a scale of one inch equals 150 feet and depicts the Site and surrounding area remain essentially unchanged from the 2002 and 2005 aerial photographs.

Based on the review of available aerial photographs, the former powerhouse including the former coal pile is PAOC No. 10, the surficial scarring to the south of Buildings 12 and 27 at Plant 1 is PAOC No. 11 and the bare soil area is PAOC No. 12. No PAORs were identified associated with the Site and adjoining properties. Locations of PAOCs and PAORs are presented on Figure 3.1.

2.3.4 HISTORICAL TOPOGRAPHIC MAPS

Historical topographic maps were reviewed to assist in the identification of historic land use, to document the general development of the Site and properties in the vicinity of the Site, and to identify potential on-Site fill activities. The 1907, 1943, 1952, 1968, 1973 (1968 photo revised), 1983 (1968 photo revised), and 1997 historical topographic maps were obtained from EDR and were reviewed by CRA. All topographic maps were reviewed at a scale of 1:24,000, with the exception of the 1907 topographic map, which was reviewed at a scale of 1:62,500. Copies of available historical topographic maps are presented in Appendix G. The general topography of Site is discussed in Section 1.4.

On the 1907 topographic map, an industrial-type structure is present on the northern portion of the Site. South Boulevard West is present to the south of the Site. Franklin Street is present to the west of the Site. Railroad tracks and South Saginaw Street are present to the east of the Site. Rapid Street is present to the north of the Site. West Wilson Avenue bisects the Site in an east-west direction. Several residential-type structures are present along the roadways. The surrounding areas appear to consist of residential-type structures.

On the 1943 topographic map, several industrial-type structures are present on the Site. The surrounding area has been further developed, and numerous streets are present in

the immediate vicinity of the Site. Due to the scale of the map, individual small residential-type or commercial-type structures are not shown.

On the 1952 topographic map, a number of smaller structures that were present on the 1943 topographic map are no longer present, and larger industrial-type structures are now present. Due to the scale of the map, individual small residential-type or commercial-type structures are not shown.

On the 1968 topographic map, Building 30 has been constructed and additions have been constructed on Plant 1. The remainder of the Site appears unchanged from the 1952 topographic map. Due to the scale of the map, individual small residential-type or commercial-type structures are not shown.

On the 1973 (1968 photorevised) topographic map, additions are shown to Plant 3, with some smaller structures constructed to the north of Plant 5 and West Wilson Avenue. Due to the scale of the map, individual small residential-type or commercial-type structures are not shown.

On the 1983 (1968 photorevised) topographic map, additions are shown to Plant 4. Due to the scale of the map, individual small residential-type or commercial-type structures are not shown.

On the 1997 topographic map, the Site appears unchanged from the 1983 topographic map. It should be noted that this map is inaccurate, as both Plant 1 and several smaller former structures on the Site (i.e., powerhouse) had been razed by this point. Due to the scale of the map, individual small residential-type or commercial-type structures are not shown.

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

2.3.5 CITY DIRECTORY SEARCH

A city directory search was conducted by EDR from the earliest available directory to the present. Available directories were reviewed at approximately five-year intervals starting in 1920 and ending in 2006. The Site was not listed in the 1920, 1927, 1931, 1939, 1945, 1952, 1957, 1962, 1973, 1977, 1981, 1986, 1991, 1996, 2001, or 2006 city directories. The results of the city directory search are presented in Appendix H.

A City Directory Search was also conducted for surrounding properties during the specified time periods. The following entities were identified as surrounding properties during the specified time periods.

Date	*Address*	*Listed Business Entity*
1920	147 South Boulevard West	Address Not Listed
	151 South Boulevard West	Address Not Listed
	151 1/2 South Boulevard West	Address Not Listed
	154 South Boulevard West	Address Not Listed
	155 South Boulevard West	Address Not Listed
	155 1/2 South Boulevard West	Address Not Listed
	157 South Boulevard West	Address Not Listed
	159 South Boulevard West	Address Not Listed
	160 South Boulevard West	Address Not Listed
	161 South Boulevard West	Address Not Listed
	166 South Boulevard West	Address Not Listed
	170 South Boulevard West	Address Not Listed
	172 South Boulevard West	Address Not Listed
	176 South Boulevard West	Address Not Listed
	177 South Boulevard West	Address Not Listed
	181 South Boulevard West	Address Not Listed
	185 South Boulevard West	Address Not Listed
	187 South Boulevard West	Address Not Listed
	189 South Boulevard West	Address Not Listed
	190 South Boulevard West	Address Not Listed
	191 South Boulevard West	Address Not Listed
	192 South Boulevard West	Address Not Listed
	192 1/2 South Boulevard West	Address Not Listed
	193 South Boulevard West	Address Not Listed
	193 1/2 South Boulevard West	Address Not Listed
	195 South Boulevard West	Address Not Listed
	195 1/2 South Boulevard West	Address Not Listed
	198 South Boulevard West	Address Not Listed
	204 South Boulevard West	Address Not Listed
	207 South Boulevard West	Address Not Listed
	209 South Boulevard West	Address Not Listed
	213 South Boulevard West	Address Not Listed
	215 South Boulevard West	Address Not Listed

	215 1/2 South Boulevard West	Address Not Listed
	217 South Boulevard West	Address Not Listed
	218 South Boulevard West	Address Not Listed
	219 South Boulevard West	Address Not Listed
	241 South Boulevard West	Residence
	243 South Boulevard West	Address Not Listed
	367 Highland Avenue	Address Not Listed
	369 Highland Avenue	Address Not Listed
1927	147 South Boulevard West	Residence
	151 South Boulevard West	Residence
	151 1/2 South Boulevard West	Address Not Listed
	154 South Boulevard West	Emma Watkins (hairdresser)
	155 South Boulevard West	Williams Gordon & Co. (grocery)
	155 1/2 South Boulevard West	Address Not Listed
	157 South Boulevard West	Address Not Listed
	159 South Boulevard West	Vacant
	160 South Boulevard West	Residence
	161 South Boulevard West	Charles Henderson (restaurant)
		Ross Woods (barber)
	166 South Boulevard West	Residence
	170 South Boulevard West	Address Not Listed
	172 South Boulevard West	Residence
	176 South Boulevard West	Residence
	177 South Boulevard West	Address Not Listed
	181 South Boulevard West	Residence
	185 South Boulevard West	Residence
	187 South Boulevard West	Address Not Listed
	189 South Boulevard West	Vacant
	190 South Boulevard West	Roumanian Grocery
	191 South Boulevard West	Address Not Listed
	192 South Boulevard West	Address Not Listed
	192 1/2 South Boulevard West	Address Not Listed
	193 South Boulevard West	Address Not Listed
	193 1/2 South Boulevard West	Address Not Listed
	195 South Boulevard West	Address Not Listed
	195 1/2 South Boulevard West	Address Not Listed
	198 South Boulevard West	Residence
	204 South Boulevard West	Residence

	207 South Boulevard West	Residence
	209 South Boulevard West	Address Not Listed
	213 South Boulevard West	Vacant
	215 South Boulevard West	Address Not Listed
	215 1/2 South Boulevard West	Address Not Listed
	217 South Boulevard West	Vacant
	218 South Boulevard West	Vacant
	219 South Boulevard West	Residence
	243 South Boulevard West	Address Not Listed
	367 Highland Avenue	Address Not Listed
	369 Highland Avenue	Address Not Listed
1931	147 South Boulevard West	Vacant
	151 South Boulevard West	Residence
	151 1/2 South Boulevard West	Residence
	154 South Boulevard West	Residence
	155 South Boulevard West	Tom Manning (billiards)
	155 1/2 South Boulevard West	Address Not Listed
	157 South Boulevard West	Address Not Listed
	159 South Boulevard West	Roumanian Baptist Church
	160 South Boulevard West	Residence
	161 South Boulevard West	Charles Henderson (restaurant)
		Essie Long (barber)
	166 South Boulevard West	Vacant
	170 South Boulevard West	Address Not Listed
	172 South Boulevard West	Residence
	176 South Boulevard West	Residence
	177 South Boulevard West	Address Not Listed
	181 South Boulevard West	Residence
	187 South Boulevard West	Address Not Listed
	189 South Boulevard West	Vacant
	190 South Boulevard West	Roumanian Grocery
	191 South Boulevard West	Address Not Listed
	192 South Boulevard West	Address Not Listed
	192 1/2 South Boulevard West	Address Not Listed
	193 South Boulevard West	Eagle Baking Co.
	193 1/2 South Boulevard West	Address Not Listed
	195 South Boulevard West	Eagle Baking Co.
	195 1/2 South Boulevard West	Address Not Listed

	207 South Boulevard West	Residence
	209 South Boulevard West	Address Not Listed
	215 South Boulevard West	Jone's Live Fish Market
	215 1/2 South Boulevard West	Residence
	217 South Boulevard West	Residence
	218 South Boulevard West	Residence
	219 South Boulevard West	Residence
	243 South Boulevard West	Address Not Listed
	367 Highland Avenue	Address Not Listed
	369 Highland Avenue	Address Not Listed
1939	147 South Boulevard West	Residence
	151 South Boulevard West	Residence
	151 1/2 South Boulevard West	Address Not Listed
	154 South Boulevard West	Residence
	155 South Boulevard West	Residence
	155 1/2 South Boulevard West	Address Not Listed
	157 South Boulevard West	Address Not Listed
	159 South Boulevard West	Residence
	160 South Boulevard West	Residence
	161 South Boulevard West	Wesley Jackson (billards)
	170 South Boulevard West	Address Not Listed
	172 South Boulevard West	Residence
	176 South Boulevard West	Residence
	177 South Boulevard West	Address Not Listed
	181 South Boulevard West	Residence
	187 South Boulevard West	Residence
	189 South Boulevard West	Residence
	190 South Boulevard West	Residence
	191 South Boulevard West	Address Not Listed
	192 South Boulevard West	Address Not Listed
	192 1/2 South Boulevard West	Address Not Listed
	193 South Boulevard West	Vacant
	193 1/2 South Boulevard West	Address Not Listed
	195 South Boulevard West	Vacant
	195 1/2 South Boulevard West	Address Not Listed
	207 South Boulevard West	Residence
	209 South Boulevard West	Address Not Listed
	215 South Boulevard West	Residence

	217 South Boulevard West	Residence
	218 South Boulevard West	Residence
	243 South Boulevard West	Address Not Listed
	367 Highland Avenue	Address Not Listed
	369 Highland Avenue	Address Not Listed
1945	147 South Boulevard West	Residence
	151 South Boulevard West	Residence
	151 1/2 South Boulevard West	Address Not Listed
	154 South Boulevard West	Residence
	155 South Boulevard West	Residence
	155 1/2 South Boulevard West	Vacant
	157 South Boulevard West	Address Not Listed
	159 South Boulevard West	Residence
	160 South Boulevard West	Residence
	161 South Boulevard West	Wesley Jackson (confr.)
	170 South Boulevard West	Residence
	172 South Boulevard West	Residence
	176 South Boulevard West	Residence
	177 South Boulevard West	Address Not Listed
	181 South Boulevard West	Residence
	187 South Boulevard West	Residence
	189 South Boulevard West	Residence
	190 South Boulevard West	Residence
	191 South Boulevard West	Address Not Listed
	192 South Boulevard West	Address Not Listed
	192 1/2 South Boulevard West	Address Not Listed
	193 South Boulevard West	Vacant
	193 1/2 South Boulevard West	Address Not Listed
	195 South Boulevard West	Address Not Listed
	195 1/2 South Boulevard West	Address Not Listed
	207 South Boulevard West	Residence
	209 South Boulevard West	Address Not Listed
	215 South Boulevard West	Residence
	217 South Boulevard West	Address Not Listed
	218 South Boulevard West	Residence
	243 South Boulevard West	Address Not Listed
	367 Highland Avenue	Address Not Listed
	369 Highland Avenue	Address Not Listed

1952	147 South Boulevard West	Residence
	151 South Boulevard West	Residence
	151 1/2 South Boulevard West	Residence
	155 South Boulevard West	Residence
	155 1/2 South Boulevard West	Residence
	157 South Boulevard West	Address Not Listed
	159 South Boulevard West	Residence
	160 South Boulevard West	Residence
	161 South Boulevard West	South Side Pool Room
	170 South Boulevard West	No Return
	172 South Boulevard West	Residence
	176 South Boulevard West	Residence
	177 South Boulevard West	Address Not Listed
	181 South Boulevard West	Residence
	187 South Boulevard West	Residence
	189 South Boulevard West	Residence
	191 South Boulevard West	Address Not Listed
	192 South Boulevard West	Address Not Listed
	192 1/2 South Boulevard West	Address Not Listed
	193 South Boulevard West	Vacant
	193 1/2 South Boulevard West	Residence
	195 South Boulevard West	Residence
	195 1/2 South Boulevard West	Residence
	207 South Boulevard West	Residence
	209 South Boulevard West	Address Not Listed
	215 South Boulevard West	Charles Harrison (clo. clnr.)
	217 South Boulevard West	Residence
	243 South Boulevard West	Address Not Listed
	367 Highland Avenue	Address Not Listed
	369 Highland Avenue	Address Not Listed
1957	147 South Boulevard West	Residence
	151 South Boulevard West	Residence
	151 1/2 South Boulevard West	Residence
	155 South Boulevard West	Residence
	155 1/2 South Boulevard West	Residence
	157 South Boulevard West	Address Not Listed
	159 South Boulevard West	Residence
	160 South Boulevard West	Residence

	161 South Boulevard West	South Side Pool Room
	170 South Boulevard West	No Return
	172 South Boulevard West	Residence
	176 South Boulevard West	Residence
	177 South Boulevard West	Address Not Listed
	181 South Boulevard West	Residence
	187 South Boulevard West	Residence
	189 South Boulevard West	Residence
	191 South Boulevard West	Address Not Listed
	192 South Boulevard West	Address Not Listed
	192 1/2 South Boulevard West	Address Not Listed
	193 South Boulevard West	Vogue Beauty Salon
	193 1/2 South Boulevard West	Residence
	195 South Boulevard West	Ramsey's Restaurant
		Jack's Barber Shop
	195 1/2 South Boulevard West	Residence
	207 South Boulevard West	Residence
	209 South Boulevard West	Address Not Listed
	215 South Boulevard West	Harrison Cleaners
	217 South Boulevard West	Residence
	243 South Boulevard West	Address Not Listed
	367 Highland Avenue	Address Not Listed
	369 Highland Avenue	Address Not Listed
1962	147 South Boulevard West	Residence
	151 South Boulevard West	Residence
	151 1/2 South Boulevard West	Vacant
	155 South Boulevard West	Vacant
	157 South Boulevard West	Address Not Listed
	159 South Boulevard West	Residence
	160 South Boulevard West	Residence
	161 South Boulevard West	South Side Pool Room
	172 South Boulevard West	Residence
	176 South Boulevard West	Residence
	177 South Boulevard West	Address Not Listed
	181 South Boulevard West	Vacant
	187 South Boulevard West	Residence
	189 South Boulevard West	Residence
	191 South Boulevard West	Address Not Listed

	192 South Boulevard West	Address Not Listed
	192 1/2 South Boulevard West	Address Not Listed
	193 South Boulevard West	Vogue Beauty Salon
	193 1/2 South Boulevard West	Residence
	195 South Boulevard West	Riddick's Pharmacy
		Jack's Barber Shop
	195 1/2 South Boulevard West	Vacant
	207 South Boulevard West	Residence
	209 South Boulevard West	Address Not Listed
	215 South Boulevard West	Harrison Cleaners
	217 South Boulevard West	Residence
	243 South Boulevard West	Address Not Listed
	367 Highland Avenue	Address Not Listed
	369 Highland Avenue	Address Not Listed
1973	147 South Boulevard West	Residence
	151 South Boulevard West	Residence
	157 South Boulevard West	Address Not Listed
	161 South Boulevard West	Residence
	177 South Boulevard West	Address Not Listed
	181 South Boulevard West	Residence
	187 South Boulevard West	Address Not Listed
	189 South Boulevard West	Residence
	191 South Boulevard West	Address Not Listed
	192 South Boulevard West	Address Not Listed
	192 1/2 South Boulevard West	Address Not Listed
	193 South Boulevard West	Jack's Barber Shop
	193 1/2 South Boulevard West	Residence
	195 South Boulevard West	No Return
	195 1/2 South Boulevard West	No Return
	207 South Boulevard West	No Return
	209 South Boulevard West	Address Not Listed
	217 South Boulevard West	Residence
	243 South Boulevard West	Address Not Listed
	367 Highland Avenue	Address Not Listed
	369 Highland Avenue	Address Not Listed

1977	147 South Boulevard West	No Return
	151 South Boulevard West	No Return
	157 South Boulevard West	B&G BBQ
		B&G Hand Car Wash
	161 South Boulevard West	Residence
	177 South Boulevard West	Address Not Listed
	181 South Boulevard West	Residence
	187 South Boulevard West	No Return
	189 South Boulevard West	Residence
	191 South Boulevard West	Address Not Listed
	192 South Boulevard West	Address Not Listed
	192 1/2 South Boulevard West	Residence
	193 South Boulevard West	Address Not Listed
	193 1/2 South Boulevard West	Residence
	195 South Boulevard West	Jack's Barber Shop
		John's Party Store
	195 1/2 South Boulevard West	Residence
	207 South Boulevard West	No Return
	209 South Boulevard West	Address Not Listed
	217 South Boulevard West	Residence
	243 South Boulevard West	Address Not Listed
	367 Highland Avenue	Address Not Listed
	369 Highland Avenue	Address Not Listed
1981	147 South Boulevard West	Residence
	151 South Boulevard West	No Return
	157 South Boulevard West	Penny's BBQ
	161 South Boulevard West	Residence
	177 South Boulevard West	Address Not Listed
	181 South Boulevard West	Residence
	187 South Boulevard West	No Return
	189 South Boulevard West	No Return
	191 South Boulevard West	Address Not Listed
	192 South Boulevard West	Address Not Listed
	192 1/2 South Boulevard West	No Return
	193 South Boulevard West	Address Not Listed
	193 1/2 South Boulevard West	Residence
	195 South Boulevard West	Jack's Barber Shop
	195 1/2 South Boulevard West	Residence

	207 South Boulevard West	No Return
	209 South Boulevard West	Residence
	217 South Boulevard West	Residence
	243 South Boulevard West	Address Not Listed
	367 Highland Avenue	Address Not Listed
	369 Highland Avenue	Address Not Listed
1986	147 South Boulevard West	Residence
	151 South Boulevard West	No Return
	157 South Boulevard West	Bell's Car Wash
	161 South Boulevard West	Residence
	177 South Boulevard West	Address Not Listed
	181 South Boulevard West	Residence
	187 South Boulevard West	No Return
	189 South Boulevard West	No Return
	191 South Boulevard West	Address Not Listed
	192 South Boulevard West	Address Not Listed
	192 1/2 South Boulevard West	No Return
	193 South Boulevard West	Address Not Listed
	193 1/2 South Boulevard West	No Return
	195 South Boulevard West	House of Burns Memorial Chapel
	195 1/2 South Boulevard West	No Return
	207 South Boulevard West	No Return
	209 South Boulevard West	Residence
	217 South Boulevard West	Residence
	243 South Boulevard West	Address Not Listed
	367 Highland Avenue	Address Not Listed
	369 Highland Avenue	Address Not Listed
1991	147 South Boulevard West	Residence
	151 South Boulevard West	No Return
	157 South Boulevard West	Address Not Listed
	161 South Boulevard West	Residence
	177 South Boulevard West	Address Not Listed
	181 South Boulevard West	Residence
	187 South Boulevard West	No Return
	189 South Boulevard West	No Return
	191 South Boulevard West	Address Not Listed
	192 South Boulevard West	Address Not Listed

	192 1/2 South Boulevard West	No Return
	193 South Boulevard West	Address Not Listed
	193 1/2 South Boulevard West	No Return
	195 South Boulevard West	House of Burns Memorial Chapel
	195 1/2 South Boulevard West	No Return
	207 South Boulevard West	Residence
	209 South Boulevard West	No Return
	217 South Boulevard West	Residence
	243 South Boulevard West	Address Not Listed
	367 Highland Avenue	Address Not Listed
	369 Highland Avenue	Address Not Listed
1996	147 South Boulevard West	Residence
	151 South Boulevard West	No Return
	157 South Boulevard West	Arzo's Wash & Ice Cream
	161 South Boulevard West	No Return
	177 South Boulevard West	Cmptr. Intgrtd. Weld
	181 South Boulevard West	No Return
	187 South Boulevard West	No Return
	189 South Boulevard West	No Return
	191 South Boulevard West	Residence
	192 South Boulevard West	No Return
	193 South Boulevard West	No Return
	195 South Boulevard West	House of Burns Memorial Chapel
	207 South Boulevard West	Residence
	209 South Boulevard West	No Return
	217 South Boulevard West	Residence
	243 South Boulevard West	Address Not Listed
	369 Highland Avenue	Address Not Listed
2001	147 South Boulevard West	No Return
	157 South Boulevard West	Arzo's Car Wash
	177 South Boulevard West	Cmptr. Intgrtd. Weld
	181 South Boulevard West	Residence
	195 South Boulevard West	House of Burns Memorial Chapel
	207 South Boulevard West	Residence
	217 South Boulevard West	Residence
	243 South Boulevard West	Residence
	369 Highland Avenue	Address Not Listed

2006	147 South Boulevard West	No Return
	181 South Boulevard West	Residence
	195 South Boulevard West	House of Burns Memorial Chapel
	207 South Boulevard West	Residence
	217 South Boulevard West	Residence
	243 South Boulevard West	No Return
	369 Highland Avenue	Residence

Based on the review of available city directories, the cleaners (i.e., historical adjacent property) located at 215 South Boulevard West is PAOC No. 3. No PAORs were identified associated with the Site and adjoining properties. Locations of PAOCs and PAORs are presented on Figure 3.1.

2.4 SITE FILES

Site files were reviewed at the plant engineering offices. The file review was performed by CRA between June and September 2006. Additionally, copies of available files were made and reviewed during the development of this report.

2.4.1 FILES

Files available for review included all of the written files maintained by the plant engineering department and those files provided by the GM Worldwide Facilities Group Remediation Team. Files reviewed in the plant engineering department included files regarding USTs, raw materials, PCBs, solid waste, hazardous waste, asbestos, air emissions, wastewater discharges, spills, releases, and various environmental reports. Files reviewed at the Site were historical environmental files and included information from the early 1970s to 2006.

The following previous reports were reviewed as part of this Phase I ESA:

- *Draft Preliminary Review/Visual Site Inspection (PR/VSI) and Preliminary Assessment (PA) Report* prepared by Ecology and Environment, Inc. (EEI) and dated March 30, 1990;
- *Report on the Investigation of an Underground Gasoline Storage Tank*, prepared by RMT Inc., February 1991;

- *Investigative Soil Survey, Waste Management Area*, prepared by Professional Services Industries, Inc, and dated April 1991;
- *Site Characterization Report*, prepared by RMT, and dated June 1991;
- *Second Addendum to RMT's February 1991 Hydrogeologic Investigation Report*, prepared by RMT, April 1993;
- *Third Addendum to the Hydrogelogic Investigation of a Gasoline Release*, prepared by RMT, January 1994;
- *Results of Additional Groundwater Sampling Conducted at the GM Truck and Bus Pontiac West Assembly Facility, Pontiac, Michigan*, a letter by RMT, February 1994;
- *Facility Assessment in Preparation for Demolition - Draft* prepared by The Traverse Group (Traverse) and dated December 1, 1994;
- *Phase I Environmental Site Assessment - Draft* prepared by Traverse and dated December 19, 1994;
- *RCRA Closure Certification Report*, prepared by The Dragun Corporation, and dated December 12, 1995; and
- *UST/LUST/AST Removal and Remediation Draft Summary Report*, prepared by CRA, January 1997.

Where possible, the analytical data were screened against current Michigan Act 451, Part 201 Generic Residential Soil and Groundwater Cleanup Criteria or Michigan Act 451, Part 213 Generic Residential Soil and Groundwater Risk Based Screening Levels (RBSLs)(January 23, 2006) to determine if the areas are still a PAOC. The pathways evaluated include:

Soil:
Drinking Water Protection Criteria (DWPC);
Groundwater Surface Water Interface Protection Criteria (GSIPC);
Groundwater Contact Protection Criteria (GCPC);
Soil Volatilization to Indoor Air (SVIAC);
Infinite Source Volatile Soil Inhalation Criteria (VSIC);
Particulate Soil Inhalation Criteria (PSIC);
Direct Contact Criteria (DCC); and
Soil Saturation Screening Levels (Csat).

Groundwater:
Drinking Water Criteria (DWC);
Groundwater Surface Water Interface Criteria (GSIC);

Groundwater Contact Criteria (GCC);
Groundwater Volatilization to Indoor Air (GVIAC);
Water Solubility;
Flammability and Explosivity Screening Levels;
Acute Inhalation Screening Levels;
Direct Contact Criteria (DCC); and
Soil Saturation Screening Levels (Csat).

2.4.1.1 DRAFT PR/VSI AND PA REPORT – EEI – MARCH 30, 1990

The draft PR/VSI and PA Report was conducted by EEI and summarized in a report dated March 30, 1990.

Based on the VSI, the following two Solid Waste Management Units (SWMUs) were identified:

- SWMU No. 1 – Tank Storage Area; and
- SWMU No. 2 – Container and Waste Management Area.

Based on the information provided in the PR/VSI and PA Report, SWMU No. 1 consisted of an approximate 2,200 square-foot area. The tank area was underlain by a concrete slab with diking. Listed hazardous wastes from spent solvents and paints were pumped into tanks from a drum accumulation area via an on-line pit collection system and a vacuum truck. Three ASTs were located in this area: one 11,000-gallon former wastewater treatment tank and two 10,000-gallon waste paint related material storage tanks. The 11,000-gallon tank was utilized for the storage of waste solvents, with listed hazardous waste codes F003 and F005. One of the 10,000-gallon tanks was used to store waste paint, with listed hazardous waste codes F003 and D001. The second 10,000-gallon tank was not in use at the time of the PR/VSI and PA.

SWMU No. 2 consisted of an approximate 4,700 square-foot area. This area was used for the storage of hazardous (solvent and paint waste) and non-hazardous waste (oil, glycol, sealers, adhesives, scrap rags, and miscellaneous empty drums). The non-hazardous wastes, with the exception of the empty drums, were consolidated in bulk tanks or roll-offs for off-Site disposal. Drums were reportedly scraped clean and removed from the Site for recycling or disposal. Hazardous wastes (solvent and paint waste) were removed from the Site for disposal by incineration.

These areas were originally paved with asphalt in 1979, with renovations in 1981. Renovations included the installation of a concrete slab with diking and a stormwater collection system. Cracks in the slab and collection system were noted to be present by EEI.

It should be noted that an additional SWMU (SWMU No. 3) was removed from the Site on January 19, 1989. Paint gun cleaning/purging solvents, hazardous waste codes F003 and F005, were historically stored in an UST from the Container WMA. During the removal of the UST, impacted soils were noted and excavated; however, no verification sampling was completed.

The PA portion of the report indicated that potential existed for impacts to groundwater from the SWMUs, with no potential issues identified associated with surface water, air, fire and explosion, or direct contact.

2.4.1.2 REPORT ON THE INVESTIGATION OF AN UNDERGROUND GASOLINE STORAGE TANK – RMT – FEBRUARY 1991

GM retained RMT in December 1989 to conduct a Site investigation of the area surrounding a 12,000-gallon gasoline UST (MDEQ tank number 1). During routine maintenance at the plant, vapors were detected in a sewer near the UST. The source of the vapors was determined to be the dispensing pumps. The purpose of the investigation was as follows:

- to qualitatively assess the presence of gasoline related compounds associated with the gasoline spill in the area of the UST;
- to assess the horizontal and vertical extent of the gasoline related compounds in the subsurface;
- to determine the presence of shallow groundwater and gasoline related compounds at and/or below the water table;
- to evaluate the potential remedial alternatives relative to the information gained during the investigation; and
- to propose a plan for remedial action at the Site.

RMT drilled twenty-five soil borings to a depth of five feet below ground surface (bgs), six soil borings to a depth of 15 feet bgs, four monitoring wells, and two test borings along with wells were installed within the tank cavity (TB-1/PW-1, TB-2/TW-1) to

attempt to delineate the nature and extent of the contamination. The laboratory analyses of the soil samples indicated that the vertical concentration distribution of the gasoline components in the soils is greatest in the fill and near the upper surface of the till unit. The sandy silt saturated zone is confined with the potentiometric surface rising to between 6 and 8 feet bgs, and the hydraulic gradient indicates a groundwater flow direction to the north-northwest at an average horizontal gradient of 0.02 feet/foot. Hydraulic conductivity values estimated from in-situ tests conducted on monitoring wells MW-1, MW-2, and MW-4 indicate hydraulic conductivities of 2.07E-04 cm/sec, 2.44E-04 cm/sec, and 2.15E-04 cm/sec, respectively. The groundwater flow velocity was estimated to be 0.063 feet/day or approximately 2 feet/month beneath the area of investigation. The tank cavity contained soil with apparent product discoloration and water with part per million concentrations of benzene, toluene, ethylbenzene, and xylenes (BTEX).

It was noted by GM that groundwater may be infiltrating the storm sewer within the proximity of the UST. Groundwater samples collected during the investigation revealed that benzene was detected in the upgradient well (MW-3). The concentrations of benzene exceeded Michigan Act 307 Type B standards in two additional monitoring wells (MW-1 and MW-3). Other BTEX compounds in the groundwater are within allowable Type B standards. RMT noted that additional VOCs present in the groundwater did not appear to be related to the UST under investigation. Some of the extraneous VOCs were also detected in the upgradient well (MW-3).

2.4.1.3 SITE CHARACTERIZATION REPORT – RMT – JUNE 1991

This report was submitted as a follow-up to the February 1991 RMT Report at the request of the Michigan Department of Natural Resources (MDNR).

The gasoline release was discovered by plant personnel on the evening of September 10, 1989, when gasoline odors were noticed in the vicinity of a storm sewer system which lies approximately 40 feet north of the UST and beneath the underground dispensing pipeline. The gasoline dispensing pumps were immediately shut down when the odors were discovered. Further investigation indicated that the source of the leak was the underground pipeline.

The RMT Report on the Investigation of a Gasoline UST indicated that shallow groundwater, which was encountered at a depth of 10 to 12 feet bgs, was impacted by a

gasoline release. Furthermore, groundwater flow direction is generally to the north-northwest toward the plant.

Based on the Site Characterization Report, RMT concluded that free phase gasoline product had not been discovered at the release site.

2.4.1.4 SECOND ADDENDUM TO RMT'S FEBRUARY 1991 HYDROGEOLOGIC INVESTIGATION REPORT – RMT – APRIL 1993

Additional investigative efforts were performed by RMT, including the installation of:

- five soil borings (identified as G, H, I, J, and K) to a depth of 16 feet bgs;
- one downgradient groundwater monitoring well (MW-5) in Boring I; and
- a free product recovery skimmer at PW-1.

BTEX were determined to be appropriate investigation parameters on the basis of the previous investigation results. Concentrations of one or more BTEX constituent exceeded Michigan Act 307 Type B cleanup criteria (MERA Operational Memo #8) at the following borings:

- boring A (B, T, E, and X);
- boring C (B, E, and X); and
- borings B, D, E, F, G, H, and J (B only).
- BTEX constituents were not detected in Borings I and K. BTEX exceedances in groundwater were found only at well MW-1, which is located immediately adjacent to the tank cavity.
- Based on the results of the investigation RMT determined that groundwater flow direction was generally north, toward GM's Dock 31, and it was recommended that GM should continue to operate the free product recovery skimmer installed in PW-1 to remove any remaining source of gasoline.

Based on CRA's review of the results, constituents were detected in soil and groundwater soil above the Michigan Act 451, Part 201 Generic Residential Cleanup Criteria.

2.4.1.5 THIRD ADDENDUM TO THE HYDROGEOLOGICAL INVESTIGATION OF A GASOLINE RELEASE – RMT – JANUARY 1994

In a letter dated October 5, 1993, the MDNR requested that GM Truck and Bus conduct an additional phase of investigation to further delineate the extent of impacted groundwater and soils at the Site. Specifically, the MDNR directed GM Truck and Bus to address the following issues:

- the vertical extent of soil and/or groundwater impacts in the vicinity of the former boring SB-A;
- the installation of additional soil borings to the west of former borings SB-G and SB-H in order to define the extent of soil impacts in that direction; and
- report on the recovery of free product from recovery well PW-1, located north of the UST cavity.

RMT implemented the following scope of services to achieve the objectives outlined above:

- installed and sampled two additional soil borings (SB-L and SB-M) to the west of SB-G and SB-H to a depth of 10 feet bgs, and collected soil samples for chemical analysis;
- installed a soil boring (SB-N) near former boring SB-A to a depth of 25 feet bgs, and collected soil samples from this boring between 20 and 25 feet bgs;
- installed a groundwater monitoring well (MW-6) adjacent to Geoprobe boring SB-N, which was screened between 25 and 30 feet bgs;
- collected groundwater samples from the new monitoring well and existing monitoring wells; and
- analyzed soil and groundwater samples for BTEX.

The following is a summary of the conclusions from the RMT Third Addendum:

- the full lateral and vertical extent of BTEX-impacted soils have been delineated, based upon the most recent soil sampling activities, no further soil sampling is necessary;

- groundwater analysis from the four existing shallow monitoring wells on Site confirm that only the sample from MW-1 exhibits concentrations in excess of Type B criteria;
- impacts in monitoring well MW-6 may be indicative of the presence of affected groundwater at depth or the result of incomplete well development; and
- no measurable product was recovered in PW-1, but the outside of the bailer was coated with degraded gasoline and periodic checks of the well by GM had indicated the presence of a sheen and strong odors.

It was recommended that MW-6 be redeveloped and sampled.

2.4.1.6 RESULTS OF ADDITIONAL GROUNDWATER SAMPLING CONDUCTED AT THE GM TRUCK AND BUS PONTIAC WEST ASSEMBLY FACILITY, PONTIAC, MICHIGAN – RMT – FEBRUARY 1994

The February 1994 letter from RMT to GM is a summary of the results of the resampling and analysis of groundwater in well MW-6 at the GM Truck & Bus Group Pontiac West Assembly Facility.

In the "Third Addendum" Report dated January 1994, RMT recommended that MW-6 be redeveloped, resampled, and analyzed for the presence of the gasoline indicator parameters, BTEX. RMT recommended the redevelopment and resampling of MW-6 because the analytical results of the first round of groundwater samples, which were collected shortly after well installation, indicated the presence of elevated levels of benzene, toluene, and xylenes.

Based on the results of resampling, the concentration of benzene dropped from 970 micrograms per liter (µg/L) to 14 µg/L, toluene dropped from 700 µg/L to 7 µg/L, and xylene dropped from 640 µg/L to 14 µg/L. Although the concentration of benzene decreased substantially, the second round of sampling results still marginally exceeded the Type B groundwater criterion of 1.2 µg/L. The concentrations of toluene, ethylbenzene, and xylene were all within the Michigan Act 307 Type B groundwater standards. The concentration of benzene remaining in the groundwater exceeds current Act 451, Part 201 Generic Residential Cleanup Criteria.

RMT concluded that the significant drop of nearly two orders of magnitude in the concentrations of benzene, toluene, and xylenes between the December 22, 1993, and

February 1, 1994 sampling events suggests that the well did contain water and/or solids (possibly silt) which were dragged down from higher intervals.

Considering the results of the resampling and analysis of MW-6, RMT proposed that no further delineation of the extent of groundwater and/or soils impacts at the site were necessary.

2.4.1.7 FACILITY ASSESSMENT – TRAVERSE – DECEMBER 1, 1994

A Facility Assessment (FA) in Preparation for Demolition was conducted by Traverse and was summarized in a draft report dated December 1, 1994.

Based on the review of the FA, at the time of the FA, the Site was operated as the GM NATP West Facility. The operations conducted at the Site at the time the FA was prepared included the manufacture and assembly of GM trucks, including body shop work, paint shop work, and final assembly. Ancillary operations included warehousing, development and testing laboratories, a powerhouse, and railcar shipment. Areas of concern identified by Traverse during the FA included the following:

- Roofs;
- Stacks;
- Floors;
- Sumps, Pits, and Trenches;
- Siding;
- Elevators;
- Battery Charging Areas;
- Ceilings and Walls;
- Tunnels and Basements;
- Sewers; and
- Storage and Repair Areas.

Additionally, the following equipment/machinery of concern was identified:

- Material Handling Equipment;
- Overhead Piping and Equipment;

- Paint Shop Equipment;
- Process Tanks and Washers;
- Process Machines and Tools;
- Service Areas and Stations;
- Test Stations and Pump Stations;
- USTs and Piping;
- ASTs and Piping;
- Air Pollution Control Equipment; and
- Fluorescent Light Ballasts, Light Sources and Radioactive Sources.

Traverse conducted sampling on the following items for further characterization:

- Solder Pots – determined to have high concentration of lead;
- Conveyor Grease – not impacted by lead solder operations;
- Wood Block Floors – non-hazardous;
- ELPO Residue – hazardous for lead;
- Roof Areas around Solder Pot Stacks – non-hazardous; and
- ASTs in Building 1 – non-hazardous.

2.4.1.8 PHASE I ESA – TRAVERSE – DECEMBER 19, 1994

A Phase I ESA was conducted by Traverse and summarized in a draft report dated December 19, 1994.

Based on the review of the Phase I ESA, Traverse identified numerous PAOCs and other issues, which were not identified as PAOCs, in Table 1 of their report, as presented in Appendix I to this Phase I ESA.

In the draft Phase I ESA conducted by Traverse, maps for Plants 1, 3 and 4, and 5 were included as an attachment. These maps were dated March 25, 1954, December 17, 1954, and June 1973, respectively, and were produced by Factory Insurance Association maps. Copies of the Factory Insurance Association maps are presented in Appendix I to this Phase I ESA.

Based on the review of the Factory Insurance Association map, Plant 1 consisted of Building Nos. 1A, 1B, 1C, 1D, and 2 through 29. The Spar Mac Plating Manufacturing Company is present adjacent to the Site at the intersection of Franklin Road and Rapid Street. Building Nos. 1C and 4 are identified as machine shops. An underground tunnel is present from Building No. 8 to the adjacent Consumers Power Company property, across Rapid Street, which appears to lead to some transformers in Building No. 14. Additional transformers are identified to the west of Building No. 4 and to the north of Building Nos. 12 and 23. Nickel plating operations are identified in Building No. 5, and plating operations were also identified in Building Nos. 13 and 27. Pickling operations were identified in Building Nos. 13 and 26. Stamping, grinding, and polishing operations are identified in Building No. 6. Heat treat operations were identified in Building Nos. 12, 23, and 27. Solvents and oils in drums, as well as die storage, were identified in Building No. 10. Parts cleaning was identified in Building No. 11 and oil reclaiming was identified in Building No. 5. Oil storage was also identified in Building No. 18. A "gas tank on wall" was identified adjacent to Building No. 21. Oil tanks were also identified in Building No. 5; however, due to the quality of the map, the number or size could not be determined. A 500-gallon fuel oil UST is identified to the west of Building No. 5. A 12,000-gallon gasoline UST is identified to the west of Building No. 2. Eight USTs are identified near southeast of Building 27, along with two pump house (one of which is labeled as Building 29). Four 9,500-gallon oil tanks, four 12,000-gallon fuel oil tanks, and one 22,500 fuel oil sump tank are present in this area.

Based on the review of the Factory Insurance Association map for Plants 3 and 4, Plant 3 consisted of numerous Building Numbers. A rust-proof flow coat line, rust-proof dip tank, and lubri-plate dip tank (i.e., phosphate system) are present in Building No. 31 of Plant 4. A brick tunnel runs from Building No. 20 of Plant 4 northward, then turns west and enters the northeastern corner of Building No. 17 of Plant 3. This tunnel is shown entering Building No. 17 of Plant 3 from the west and exiting towards Building 15 of Plant 5. A paint mix room is present in the basement of Building No. 17 of Plant 3. A rust prevention oil flow coat tank and two degreasers are shown in Building No. 25 of Plant 4. Heat treat furnaces are present in Building No. 14. Several tanks are noted on the map, including: a 14,500-gallon propane gas tank north of Building 17; a 15,000-gallon tank and an 1,800-gallon gasoline tank located north of the northwest corner of Building No. 16 (gas pumps located on northern wall of Building No. 16); four 12,000-gallon oil storage tanks (oil pump house located adjacent to the east) to the northeast of the Building No. 16 and south of the railroad tracks; and a gasoline pump and tank located to then northwest of Building No. 19 of Plant 4. Additionally, numerous transformers are present throughout Plants 3 and 4.

Based on the review of the Factory Insurance Associated map for Plant 5, a 1,000-gallon gasoline tank and pump were identified north of the central portion of the plant. An electrical switch house is shown to the north of Plant 5 as well.

2.4.1.9 RCRA CLOSURE CERTIFICATION REPORT - THE DRAGUN CORPORATION - DECEMBER 12, 1995

Dragun was retained to perform soil remediation to implement closure of the Hazardous Waste Management Area (HWMA), which consisted of three ASTs (11,000 and two 10,000 gallons) and a drum storage area. Historically, all rain water run-off from the AST area collected in an underground blind sump, and was pumped off Site to the Plant 2 Wastewater Treatment Plant.

A total of 949 tons of soil and concrete debris were removed from the Site. A total of 4,623 gallons of water (rain water that accumulated in the excavations and water generated during decontamination) were shipped off Site. Dragun concluded that minimal residual chemical concentrations in soil comply with the former MERA Type B soil cleanup criteria.

The Michigan Department of Environmental Quality released GM from further closure requirements in an April 21, 1998 letter, and thereby was no longer required to demonstrate financial assurance and liability coverage for the units; however, the MDEQ indicated that this acceptance of closure certification did not release GM from any corrective action responsibilities. In addition, based on CRA's review of the data, there are exceedances of Act 451, Part 201 Generic Residential Cleanup Criteria.

2.4.1.10 UST/LUST/AST REMOVAL AND REMEDIATION DRAFT SUMMARY REPORT – CRA – JANUARY 1997

CRA excavated and properly disposed of 13,210 cubic yards of impacted soils from: the AST farm to the west of Building 30, the former area of Building 13, an area east of the former RCRA pad (south of Building 16), an area to the south of Building 17, Building 5, and various ash piles throughout the Site. Soil samples were taken from the walls of the excavation and submitted to chemical analysis. Analytical results indicated that all impacted soil was removed. Each excavation was backfilled with an engineered fill.

In addition, CRA performed the following remedial activities:

AST farm to the west of Building 30, Plant 1

CRA removed and disposed six ASTs (MDEQ tank numbers 51, 52, and 53, and others, see Table 3.2), associated piping, the pump house, concrete footings, berms, and tank saddles from the AST farm to the west of Building 30, Plant 1. The western most bermed area had concrete floor while the eastern portion of the bermed area had a soil base. The tanks that were removed contained engine oil, glycol, steering fluid, waste oil, glycol, oil, and waste glycol. Approximately 860 cy of soil was removed and treated on Site via low temperature thermal desorption. Twelve confirmatory soil samples were collected and analyzed for BTEX, PNAs, PCBs, lead, cadmium and arsenic; however, a complete list of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), or glycols were not analyzed. No compounds were detected above then current Michigan Act 451 Part 201 Residential Direct Contact Criteria.

Waste Oil and Gasoline LUSTs

CRA removed four 12,000-gallon LUSTs (MDEQ tank numbers 2, 3, 4, and 5, see Table 3.2) that had been abandoned in place with sand. A release was filed with the MDEQ associated with the removal of the USTs (C-941-95). This release number is closed with the MDEQ.

South-southwest of the four 12,000-gallon LUSTs, CRA removed a 15,000-gallon gasoline LUST (MDEQ tank number 16, see Table 3.2), associated piping, impacted concrete, asphalt, and soil. The LUST was located in the area of the former Building 13 and Building 16. A release was filed with the MDEQ associated with the removal of this UST (C-942-95). This release is closed with the MDEQ.

Approximately 4,000 cy of soil were removed and treated on Site via low temperature thermal desorption. An additional 2,000 cy of soil were excavated to the east of the UST areas, but was not considered related to the UST release. Forty-two confirmatory soil samples were collected and analyzed for BTEX, PNAs, PCBs, lead, cadmium and arsenic; however, a complete list of VOCs, SVOCs, or metals were not analyzed. Based on the analytical results, exceedances of the Michigan Act 451, Part 213 Generic Residential RBSLs are present in soil.

Gasoline LUST

CRA removed one 12,000-gallon gasoline LUST (MDEQ tank number 1, see Table 3.2), two 1,000-gallon diesel fuel ASTs, one 500-gallon gasoline AST, fuel pump dispensers, electrical boxes, a concrete fuel island pad, two-inch monitoring wells, and associated piping from the area located to the east of the former RCRA pad (south of Building 16).

The release number associated with this LUST is unknown; however, CRA submitted a LUST Closure Report for this UST system.

Approximately 3,000 cy of soil were removed and treated on Site via low temperature thermal desorption. Eighteen confirmatory soil samples were collected and analyzed for BTEX; however, a complete VOC or SVOC analysis was not conducted. Additionally, historical data collected by RMT Inc. indicated that chlorinated compounds were detected in previous investigations. No compounds were detected above then current Michigan Act 451, Part 213 Residential Direct Contact Criteria; however, comparison utilizing current cleanup criteria indicates that there are exceedances of the Michigan Act 451, Part 213 Generic Residential RBSLs present in soil.

Two Paint Trap USTs

CRA removed one 9,500-gallon sludge UST (MDEQ tank number 8, see Table 3.2), one 1,500-gallon paint trap UST (MDEQ tank number 6, see Table 3.2), and associated piping from an area located south of Building 17.

Approximately 1,200 cy of soil were removed and treated on Site via low temperature thermal desorption. Six confirmatory soil samples were collected and analyzed for VOCs and metals. No compounds were detected above then current Michigan Act 451, Part 213 Residential Direct Contact RBSLs; however, comparison utilizing current cleanup criteria indicates that there are exceedances of the Michigan Act 451, Part 213 Generic Residential RBSLs present in soil.

Based on a release in January 1989 when another UST was removed in the area of these USTs, floor samples of that excavation indicated residual concentrations of BTEX in excess of current Michigan Act 451, Part 213 Generic Residential RBSLs. The remaining concentrations were high enough to indicate that free product may be present. The depths that the floor samples were collected from during January 1989 and July 1995 are unknown.

Eight Stage Phosphate System

A limited subsurface soil investigation was conducted at the eight-stage phosphate system located in Plant 3. It should be noted that the investigation was conducted prior to the removal of the system.

Eight soil borings were installed to an approximate depth of 10 feet bgs and fifteen soil samples were collected (two from each soil boring with the exception of one) for analysis for Target Compound List (TCL) VOCs and Target Analyte List (TAL) metals. No TCL

VOCs were detected above the Michigan Act 451, Part 201 Generic Residential Cleanup Criteria. Arsenic, aluminum, cobalt, copper, and iron were detected in soil at concentrations above the Michigan Act 451, Part 201 Generic Residential and/or Industrial Cleanup Criteria.

Building 5 (Plant 5 west)
Stained soils were identified west of Plant 5. Approximately 1,800 cy of soil were removed and treated on Site via low temperature thermal desorption. Twelve confirmatory soil samples were collected and analyzed for SVOCs, PCBs and metals; however, VOC analysis was not conducted. No compounds were detected above then current Michigan Act 451, Part 201 Residential Direct Contact Criteria.

Comparison of the results of the confirmatory soil samples indicates that exceedances of the Michigan Act 451, Part 201 Generic Residential Cleanup Criteria are present in soil.

Ash and Debris
Various fly ash and debris piles were located on Site. Approximately 350 cy of material were characterized as non-hazardous and disposed off Site. It is unknown if the fly ash was stored on bare soil or if any of this material was historically used as fill material.

2.4.1.11 DRAFT FACILITY ENVIRONMENTAL ASSESSMENT – CRA – AUGUST 2006

Based on the review of the Draft Facility Environmental Assessment (FEA), at the time of the FEA, the Site was operated as the GM Pontiac Centerpoint Campus – Validation Center. Areas/items of interest identified by CRA during the FEA included the following:

- Asbestos-containing materials;
- Pits, trenches, and sumps;
- Flooring;
- Railroad ties;
- Tunnels/basements;
- USTs and ASTs;
- Lead based paint;
- Chlorofluorocarbons;

- Electrical systems;
- Transformers;
- Capacitors;
- Radioactive devices;
- Battery charge stations;
- Utilities;
- Process waste, storm, and sanitary sewers;
- Welder water system;
- Natural gas;
- Steam/condensate;
- Mercury containing devices;
- Lighting;
- Air pollution control systems;
- Batteries;
- Hydraulic equipment;
- Trash compactors;
- Elevators;
- Truck dock levelers;
- Cathode ray tubes;
- Miscellaneous chemicals;
- Waste management area;
- Paint shop;
- Assembly conveyors;
- Manufacturing equipment; and
- Sawdust collection system.

CRA conducted sampling on the following items for further characterization:

- Paint chips;
- Wood blank floors;
- Solid waste
- Filters;

- Oil;
- Stained/Oil surfaces;
- Liquid sludge;
- Sediment;
- Concrete cores (floors); and
- Roof cores.

CRA analyzed for TCLP metals, TCLP VOCs, TCLP SVOCs, pH, and/or PCBs. None of the samples analyzed exceeded selected screening criteria indicating that the materials sampled were non-hazardous and were not regulated as TSCA.

Based on previous reports reviewed, the historical operation of the eight-stage phosphate system and staining west of Plant 5 associated with historical operations are PAOC No. 2, USTs in the vicinity of Plant 3 are PAOC No. 5, fly ash associated with the former powerhouse is PAOC No. 10, the WMA south of Plant 3 is PAOC No. 13, and the former AST farm at Plant 1 is PAOC No. 14. The PAORs are discussed as appropriate in Section 3.0. Locations of PAOCs and PAORs are presented on Figure 3.1.

2.4.2 VARIOUS CORRESPONDENCE/OTHER DOCUMENTATION

Various correspondence and other documentation were reviewed and are summarized as applicable in Section 3.

It should be noted that notification for the Site was made on January 22, 2003 for the Site under Part 148 of Michigan Act 451 for performing a Process Risk Management – Self-Evaluation audit. No documentation was available regarding if the audit was conducted.

2.4.3 DRAWINGS

Numerous drawings were reviewed by CRA during the Site investigation. Drawings were reviewed to determine utility locations, current and historical locations of waste handling/storage areas, current and historical locations of chemical storage areas, current and historical locations of ASTs and USTs, and locations of sumps, pits, and trenches.

2.4.4 PERMITS

The Site currently maintains a National Pollutant Discharge Elimination System (NPDES) Certificate of Coverage (COC)(COC No. MIS110423) under the Michigan Stormwater General Permit No. MIS119000 (see Section 3.11).

The Site historically maintained several air permits; however, these were withdrawn upon cessation of production activities with regulated emissions sources in 2005 (see Section 3.12).

3.0 SITE RECONNAISSANCE

The Site inspection was performed by Ms. Jennifer Quigley of CRA on June 2, 2006 and July 21, 2006. The Site inspection included an inspection of the Site and surrounding properties, discussions with various individuals associated with the Site, and a review of available documentation associated with the Site. Site photographs were taken during the Site inspection and are presented in Appendix J.

3.1 SPECIAL PROCESSES AND EQUIPMENT

Special processes and equipment associated with the Site consist of metal finishing operations (phosphating, pickling, plating, and heat treat), paint line operations (paint mixing, paint spraying, rust proofing, clear coating, etc.), degreasing operations, battery charging, miscellaneous belowgrade conveyance systems, etc. The Site is currently not active. Processes and equipment formerly and currently utilized are discussed below:

- pickling in Building 27;
- heat treat in Buildings 12, 14, and 27;
- chromium and nickel plating in Buildings 6, 12, 13, and 27;
- anodizing operations in Building 12;
- eight-stage phosphating unit in Building 17;
- paint mix room in basement south end of Plant 3;
- conveyor pits in Buildings 25, 31, and 37, some of which were reportedly filled with concrete;
- rust prevention oil flow coat and degreasers, central, eastern portion of Building 25;
- a battery recharge area and acid waste sump and wash system, located in Building 37, which have been historically filled with oil;
- a spray test booth, east side of Building 20;
- furnace pits, which were reportedly covered over during excavation by GM;
- a black prime dip tank, located on the east side of Building 1;
- battery recharge areas and equipment in Buildings 1, 25, and 31;
- a trash compactor's hydraulic pump southwest of Plant 5, which had historic staining;
- bonderite and phosphate systems in Buildings 16 and 17;

- conveyors in Buildings 1, 31, and 37;
- ELPO systems in Buildings 16 and 17;
- fluid fill piping in Buildings 1, 20, 25, and 31;
- lead soldering areas in Building 25;
- laboratory/medical areas in Buildings 13 and 31;
- ovens in Buildings 1, 14, and 17;
- rust proofing and lubri-plate dip tanks in Building 31;
- chassis touch-up in Building 25;
- a powerhouse in Building 13;
- paint spray booths in Buildings 1, 14, 17, and 20; and
- sealer pumps in Building 12 and 17.

Additionally, portions of the Site were historically operated as a foundry and drop forge facility. Specific process information associated with these operations was not available to CRA.

Based on information reviewed during the Phase I ESA, the historical operations at former Plant 1 are PAOC No. 1 and the historical operations at Plants 3, 4, and 5 are PAOC No. 2. The current and former belowgrade pits, trenches, conveyors, and sumps are PAOR No. 1. Locations of PAOCs and PAORs are presented on Figure 3.1.

3.2 UTILITY SERVICES

According to individuals associated with the Site, electricity is provided to the Site by DTE Energy. Natural gas is provided to the Site by Consumers Energy Company.

Potable water is supplied to the Site by the City of Pontiac. No information was available regarding the abandonment of any potential water supply wells historically utilized by former residential, commercial, or industrial properties at the Site. According to individuals associated with the Site, no water supply wells are currently present or utilized by the Site.

Process wastewater is discharged to the off-Site PAC WWTP via underground sewer lines prior to discharge to the City of Pontiac municipal sanitary sewer system for pretreatment. Sanitary wastewater is discharged directly to the City of Pontiac

municipal sanitary sewer system and eventually to the City of Pontiac Publicly Owned Treatment Works (POTW). According to individuals associated with the Site, there are no on-Site septic systems and no evidence of a septic system was observed by CRA during the Site inspection; however, former septic system use at the previous residential, commercial, and industrial properties could not be confirmed.

Stormwater generated at the Site infiltrates undeveloped Site surfaces or discharges to storm sewer catchbasins for conveyance to one of two outfalls (Outfalls 8 and 9) to the Clinton River.

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

3.3 UNDERGROUND STORAGE TANKS (USTs)

There have been numerous USTs historically located at the Site. A summary of the USTs is presented in Table 3.1.

Three LUSTs were identified in the database as being closed:

- C-0707-85 – unknown;
- C-941-95-four 12,000 gallon waste oil USTs west of Plant 3 (north of Building 34); and
- C-942-95-one 15,000 gallon gasoline UST west of Plant 3 (southwest of Building 34).

At least 11 USTs were historically present at Plant 1, as follows:

- eight USTs (four 9,500-gallon fuel oil USTs and four 12,000-gallon fuel oil USTs) were historically located in a UST farm southeast of Building 27. Available documentation indicates that the product lines from the UST farm historically extended from Plant 1 to Plant 5. A large 22,500-gallon fuel oil sump and two pump houses were also part of the UST farm;
- one 12,000-gallon gasoline UST was located between Buildings 5 and 7;
- one gasoline UST (size unknown) was located southwest of Fire Station No. 2, in the central portion of the Site, north of Wilson Avenue;

- a former gas station was also reportedly located in the far northeast corner of Plant 1; however, no information regarding the number or location of tanks associated with the gas station was available; and
- refined oil USTs (size and quantity unknown) were located at the south end of Building 5.

No information regarding closure (i.e., removal, abandonment, etc.) of the above USTs at former Plant 1 was available.

At least 14 USTs were historically present at Plant 3, as follows:

- one 12,000-gallon gasoline UST was located south of Building 33 (Tank No. 1);
- four 12,000-gallon waste oil USTs were located north of Building 34 (Tank Nos. 2 through 5); these likely replaced two 12,000-gallon fuel oil USTs that were identified on the 1924 Sanborn map;
- five water and/or paint USTs (a 1,500-gallon water and paint UST (Tank No. 6), a 3,500-gallon paint solvent UST (Tank No. 7), a 9,500-gallon water and paint UST (Tank No. 8), a 8,000-gallon paint UST (Tank No. 9), and a 10,000-gallon solvent UST that were historically located outside the former paint mix room along the southern wall of Building 17;
- two 1,000-gallon gasoline USTs were present in the vicinity of Building 12 (one was located in the northeast corner of Building 12 and was identified as having pumps, while the other was located in the southeast corner of Building 12); and
- two gasoline USTs (one 1,800-gallon UST and one 15,000-gallon UST (Tank No. 16)) were identified southwest of Building 34 and north of Building 16.

Of these tanks, CRA removed and closed the 12,000-gallon gasoline UST (Tank No. 1), the four 12,000 gallon waste oil USTs (Tank Nos. 2 through 5), the 1,500-gallon and 9,500-gallon paint trap tanks (Tank No. 6 and 8), and the 15,000-gallon gasoline UST (Tank No. 16). As discussed in Section 2.4.1.10, the releases associated with the four 12,000-gallon USTs and the 15,000-gallon gasoline USTs were closed, but there are concentrations remaining in soil in excess of Michigan Act 451, Part 213 screening levels. A 1,800-gallon gasoline UST was historically located in the vicinity of the 15,000-gasoline UST (Tank No. 16), but there was no evidence of that UST being present at the time Tank No. 16 was removed.

According to UST registration documents filed with the MDEQ, the 3,500-gallon paint solvent tank (Tank No. 7) was removed in December 1988. A release was filed on January 15, 1989 as contaminated soil was encountered while excavating an unused UST that was previously used to store purge solvent, with the most recent formulation containing 2-butanone, methyl benzene, dimethyl benzene, and methyl ethyl ketone. This area was also identified in the PR/VSI as SWMU 3. Approximately 75 yards of soil were excavated and six soil samples were collected from around the perimeter. The analytical results for these samples indicate that ethylbenzene was present in the soil at a maximum concentration of 3,500 mg/kg, toluene was present at a maximum concentration of 850 mg/kg, and xylenes were present at a maximum concentration of 23,000 mg/kg. These samples were all from the floor of the excavation. These concentrations are above the Michigan Act 451, Part 201 Generic Residential Screening Levels, including the Csat, which may indicate the presence of free product. No further information was available for CRA to review. The 8,000-gallon paint UST (Tank No. 9) was reportedly removed in May 1986; however, no information regarding condition of the tank at the time of removal was made available to CRA. This tank would have been in the vicinity of paint trap USTs (Tank No. 6 and 8) removed by CRA in 1995.

There is no information on when or if the two 1,000-gallon gasoline USTs surrounding Building 12 were removed.

Tank No. 14 was identified in the MDEQ records, but this was later reclassified as a 3,100-gallon water and paint sump. Based on the size of this sump, it is believed to be the hazardous waste sump that was located as part of the WMA south of Plant 3.

At least 15 USTs were historically present at Plant 4. One UST historically located at Plant 4, was a 500-gallon gasoline UST that was located under the eastern portion of Building 25. There was also evidence of a gas pump and tank northeast of Building 25. It is unknown if this tank was an AST or a UST. Four 9,500-gallon fuel oil USTs and two gasoline USTs (size unknown) were located in the southeast corner of the former Michigan Drop Forge facility. One gasoline UST (size unknown) and one 5,000-gallon fuel oil UST were located in the northwest corner of the former Michigan Drop Forge facility, and there were five gasoline USTs (size unknown) historically located in the vicinity of the former Wilson Foundry Buildings 20 through 23.

No information regarding closure (i.e., removal, abandonment, etc.) of the above USTs at former Plant 4 was available.

At least one UST was historically located at Plant 5, this being a 1,000-gallon gasoline UST and pump that were located on the outside of the north wall of Building 1. There was also a gasoline vault identified as being in the central portion of Plant 5. It is unknown if the vault was aboveground or belowground. Fill stations were historically present at two locations in the east half of Plant 5.

Five concrete pits at Plant 5 were initially registered by GM in 1990 as being USTs (Tank Nos. 10, 11, 12, 13, and 15), but were later reclassified as sumps. Two of the concrete pits had a capacity of 100 gallons, and the remaining sumps had capacities of 480 gallons, 750 gallons, and 8,000 gallons, respectively. These sumps were removed in August 1995 during remodeling activities. MDEQ correspondence from November 1995 confirmed that these sumps were not tanks. There was no information available to determine if the 1,000-gallon gasoline UST was removed or if confirmatory sampling was performed as part of the removal of the six sumps.

Potential fill pipes were observed extending below the floor during the Site inspection in Plant 5, near Column G8. No further information regarding these pipes was available.

Based on information reviewed during the Phase I ESA, the USTs at former Plant 1 are PAOC No. 4, the USTs at Plant 3 are PAOC No. 5, the USTs at Plant 4 are PAOC No. 6, the USTs at Plant 5 are PAOC No. 7, and the potential fill pipes in Plant 5 are PAOC No. 15. The historic sumps are PAOR No. 1. Locations of PAOCs and PAORs are presented on Figure 3.1.

3.4 ABOVE GROUND STORAGE TANKS (ASTs)

There have been numerous ASTs historically located at the Site. A summary of the ASTs is presented in Table 3.2.

Four ASTs are present at the AST Farm, which includes a fueling station (see Figure 3.1). These consist of the following:

- one 1,500-gallon diesel AST; and
- three 5,000-gallon gasoline ASTs.

The ASTs at the AST Farm are all constructed with double-walled concrete and steel. The ASTs were installed in 1995, and are presently operational. There have been no

documented releases from the ASTs; however, minor cracks in the secondary containment and staining were observed during the Site inspection.

According to FEA, two car wash chemical ASTs are located on the first floor of Building 30.

Based on the review of the 1950 Sanborn map, four crude oil ASTs were historically located in a belowgrade vault in the southwestern corner of Plant 5. Individuals associated with the Site indicated that an approximate 10,000-gallon fuel oil AST was discovered in this area during renovation activities in approximately 1995. This tank was reportedly emptied and concrete block walls were then built around it during renovation activities. No further information regarding this AST was available; however, its location as identified by individuals associated with the Site correlates to the location of the crude oil tanks noted on the 1950 Sanborn map.

The fill ports for ATF, rear axle lube, and ELPO resin were located on the northwest corner of Plant 3.

CRA removed and disposed six ASTs (MDEQ tank numbers 51, 52, and 53, and others, see Table 3.2), associated piping, the pump house, concrete footings, berms, and tank saddles from the AST farm to the west of Building 30, Plant 1. The eastern portion of the bermed area had a soil base. The tanks that were removed contained engine oil, glycol, steering fluid, waste oil, glycol, oil, and waste glycol. Approximately 860 cy of soil were removed and treated on Site via low temperature thermal desorption. Confirmatory soil samples were collected and analyzed for BTEX, PNAs, PCBs, lead, cadmium, and arsenic. Based on a review of historical data, the soil samples should have been analyzed at a minimum for other VOCs based on contents of ASTs.

Based on information reviewed during the Phase I ESA, the historic AST farm at Plant 1 is PAOC No. 14 and the current ASTs and the ASTs in the below grade vault are PAOR No. 2. Locations of PAOCs and PAORs are presented on Figure 3.1.

3.5 RAW MATERIAL USAGE AND STORAGE

The Site is presently primarily vacant. The raw materials that were most recently used were stored in the AST farm north of Plant 5 (see Section 3.4). Some of the raw materials historically and/or currently used and stored at the Site in significant quantities include: soluble/insoluble oils, floor soap, hydraulic oils, quench oil, paints, thinners, sulfuric

acid, plastics, resins, epoxy resin, caustic soda, foundry sand, metal stock, gasoline, diesel, compressed gases (argon, acetylene, nitrogen, oxygen, and carbon dioxide), electrical components, copper wire, chromium and nickel plating solution, phosphorous, degreasers, pickling chemicals, various solvents, coal, and miscellaneous adhesives, maintenance, and cleaning chemicals.

Raw materials and chemicals are generally stored near their point of use, in the maintenance areas, in flammable material storage cabinets, in 55-gallon drums, in totes, in aerosol cans, in 5-gallon containers, or in ASTs (see Section 3.4). Based on discussions with Site personnel, all trenches and sumps near chemical storage areas discharge to the process water lines that drain to the main lift station (see Section 3.10) or are blind to prevent spills or other excessive leakage of oil into the drainage system or plant effluent treatment system. Additional known historical raw material storage areas throughout the Site include:

- oil and solvent storage, Building 10, Plant 1;
- oil storage, Building 18, Plant 1;
- paint storage, south wall of basement, Plant 3;
- drum storage area, east wall of basement of Building 13, Plant 3;
- paint spray booth, Building 12, Plant 3;
- salt storage, adjacent to the east side of Building 14/35;
- coal pile east side of Powerhouse (Building 13);
- solvent use area, Building 14 and Building 35, Plant 3;
- chemical storage area, Plant 4, northwest corner of Building 37;
- solvent and thinner storage, north wall of Building 25, Plant 4;
- Jitney repair & oil storage, southwest corner of Building 31, Plant 4;
- foundry sand storage, east of Plant 5; and
- oil storage room, northeast corner of Building 31, Plant 4.

Historically, raw materials and chemicals were received via railcar, as well as via semi-truck and tanker truck. Information regarding historical bulk loading and unloading practices was not available to CRA. No information was available to determine if the former coal pile was located on bare ground or a paved area, nor was information available regarding the storage of foundry sand.

Based on the review of available information, foundry sand was historically present on the Site. No information was available regarding if the foundry sand was stored on bare ground or a paved surface. No specific information regarding historical dust control practices was available; however, current personnel had no knowledge of dust control activities. No information was available regarding the potential use of these materials as fill at the Site.

During the Site inspection, CRA observed the flooring in storage areas to be generally in good condition, with no evidence of major cracking or staining.

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

Based on the information reviewed during the Phase I ESA, bulk loading/unloading areas are PAOC No. 16 and the former foundry sand pile is PAOC No. 17. No PAORs were identified associated with raw material use and storage. Locations of PAOCs and PAORs are presented on Figure 3.1.

3.6 SOLID WASTE HANDLING/STORAGE AND DISPOSAL

According to Site personnel and based on available information, the Site generates two distinct solid waste streams, solid non-hazardous and industrial waste. Solid non-hazardous and industrial wastes generated at the Site include sealers, adhesives, oil, glycol, scrap rags, cardboard, paper, empty drums, etc. As the Site is presently vacant, there is minimal solid waste currently generated.

Solid non-hazardous and industrial wastes were properly collected at accumulation areas throughout the Site and then transferred in 55-gallon drums or roll-offs for off-Site recycling or disposal. General refuse was removed from the Site and sent to the Pontiac Central Refuse Plant or Eagle Valley landfill. Cardboard and paper were recycled by Recycle of America. Scrap metal, metal chips, metal cuttings, and metal grindings were placed in roll-offs for recycling by a subcontractor. Empty drums and containers were returned to the manufacturer or recycled. Aqueous Parts Washer solution was sent to

the PAC WWTP. Used oil was historically sold to Environmental Waste Controls Incorporated or General Oil. Universal waste, including used batteries and fluorescent light bulbs, were recycled by Environmental Recycling. Oily rags were landfilled at Woodland Meadows. Gloves and rags are removed from the Site, cleaned, and returned by a subcontractor. Wood was recycled by Environmental Wood Solutions, or by Pallet & Packaging Specialists.

According Site personnel, the former Plant 1 was demolished and the below grade structures backfilled with on-Site demolition debris in 1984. The types of materials that were likely used as fill include brick, concrete, wood, metal, and other construction type debris, which were formerly located in process areas of the Site. According to Site personnel, no other on-Site disposal of solid non-hazardous or industrial waste has occurred at the Site. No evidence of the on-Site disposal of solid non-hazardous or industrial waste was observed by CRA during the Site inspection.

An area of soil with no vegetation was observed to the north of Building 30. Site personnel indicated this lack of vegetation was caused by a thermal soil remediation effort previously conducted in this area (see Section 3.3).

Based on the review of available information, fly ash was historically generated on the Site from the powerhouse. No information was available regarding if the fly ash was stored on bare ground or a paved surface. No specific information regarding historical dust control practices was available; however, current personnel had no knowledge of dust control activities. In 1995, CRA sampled piles of fly ash and debris for disposal purposes. Approximately 350 cy of material was removed from the Site at that time. No information was available regarding the potential use of these materials as fill at the Site.

Based on information reviewed during the Phase I ESA, the historical operations at former Plant 1 are PAOC No. 1, the fly ash generated from the powerhouse is PAOC No. 10, and the bare soil area is PAOC No. 12. No PAORs were identified associated with solid waste handling/storage and disposal. Locations of PAOCs and PAORs are presented on Figure 3.1.

3.7 HAZARDOUS WASTE HANDLING/STORAGE AND DISPOSAL

Current

Based on the review of the environmental database search results, the Site was listed in the RCRA-SQG Report as GMC Truck & Coach Division-Pontiac located at 275 Franklin Street. Additionally, the Site was listed in the RCRA-LQG Report and the RCRA-TSD as General Motors Corporation located at 200 South Boulevard, and listed in the CORRACTS database as having a low corrective action priority. The RCRA-LQG listing for General Motors Corporation corresponds to U.S. EPA Generator No. MID980568836 and is the current U.S. EPA Generator number utilized by the Site. The RCRA-SQG listing for GMC Truck & Coach Division-Pontiac corresponds to U.S. EPA Generator No. MIT270010127, which was the former temporary generator number used for the Site. There were 17 violations listed in the database (informal written) from June 7, 1988 to September 13, 2004.

The Site's current WMA is located north of Plant 5. This structure is used to store hazardous waste (up to 90 days) and non-hazardous waste prior to removal from the Site for disposal and for cleaning of empty drums. The structure is an approximate 1,400 square-foot building on a sealed concrete containment pad. The WMA is an enclosed concrete pad with a 4-inch secondary containment curb and a blind sump. Any fluids draining to the sump are removed via a vacuum truck. The most recent waste streams included waste solvents, waste oils, sealers and adhesives. The oil storage room in Building 20 was used as a satellite accumulation area for used oil, oil filters, and oil rags. The reliability lab in Building 31 was used as a satellite accumulation area for cold cleaner, chemical reagent solvent, and oil/solvent.

Historical

GM submitted a RCRA Part A Hazardous Waste Permit Application in November 1980, which the U.S. EPA approved in May 1982. The application approved three hazardous waste storage areas, these being a waste storage area south of Plant 3, a historical wastewater treatment area immediately east of the waste storage area, and a future waste storage area east of Building 12, Plant 1, which was identified to be under construction.

A Hazardous Waste Facility Waste Management Closure Plan, dated March 1981 (1981 Closure Plan) showed a fourth hazardous waste storage area, which consisted of two storage tanks located in the western/central portion of Building 5, Plant 1 that

reportedly never contained RCRA hazardous waste. The 1981 Closure Plan was prepared to close both waste storage areas at Plant 1 (outside container storage area east of Building 12 and the two tanks inside Building 5). No follow-up information on the closure of these two areas was provided to CRA for review.

A second Hazardous Waste Facility Waste Management Closure Plan (1988 Closure Plan) was prepared by GM in June 1988, which was revised in September 1989, for the closure of the container waste management pad and the tank WMA (one 11,000-gallon AST for waste solvent and two 10,000-gallon waste paint ASTs) south of Plant 3. The MDNR approved the 1988 Closure Plan in a letter dated September 29, 1989.

In January 1990, EEI performed a PR/VSI and PA on behalf of the U.S. EPA, (see Section 2.4.1.1). The following SWMUs were identified by EEI: SWMU No. 1, a tank storage area (hazardous waste solvents and paints), SWMU No. 2, a container WMA (drummed solvents and paints (hazardous waste) as well as oil, glycol, sealers, adhesives, and scrap rags (non-hazardous)), and SWMU No. 3, a UST (purge solvents from paint guns). The UST was removed in January 1989. The waste handling and storage areas were originally paved with asphalt, but were upgraded in 1981 with concrete. There were cracks in the slab and collection system observed by EEI at the time of the Site inspection. EEI concluded that there was environmental concern associated with the cracks in the containment system and the soil surrounding the previous UST, which likely was not all removed. Further information on the UST removal is presented in Sections 3.3 and 3.16, respectively.

Based on the information presented in the environmental database search results, a RCRA Facility Assessment (RFA) was completed on March 30, 1990, and it is indicated that a RCRA Facility Investigation (RFI) was needed on May 18, 1990. The Site was issued a low corrective action priority status on September 27, 1991. No further information regarding the RFA, RFI, or corrective action status was available in the database search results.

In February 1991, Professional Services Industries, Inc. (PSI) installed nineteen investigative soil borings in the tank and container WMAs south of Plant 3. PSI concluded that two borings (B-7 and B-8) had chromium concentrations above background values, and two borings (B-10 and B-11) had VOC contamination above MERA Type B standards. The MDNR identified a number of issues with the PSI report in a letter dated December 12, 1991 including, but not limited to: the sampling was not performed in accordance with the approved 1988 Closure Plan; background levels were

not established appropriately; and samples with elevated PID readings were not submitted for laboratory VOC analysis.

In July 1995, Dragun commenced soil remediation of the waste storage area south of Plant 3. A total of 949 tons of soil and concrete debris and 4,623 gallons of water (rain water that accumulated in the excavations and decontamination water were shipped off Site. Dragun concluded that the minimal residual chemical concentrations in soil comply with the former MERA Type B soil cleanup criteria. An April 21, 1998 letter from the MDEQ released GM from further closure requirements, but not from future corrective action requirements.

From biennial reporting (1999 to 2003), manifest logs (1983 to 1984), and other records reviewed, the types of hazardous waste historically generated at the Site included, but are not limited to: acid, paint, paint sludge, oil, adhesives, deadeners, phosphate, ELPO, and solvents (methylene chloride, 1,1,1–trichloroethane, butyl acetate, glycol, etc). These aforementioned waste streams were identified by the following hazardous waste codes: D001 (ignitability), D002 (corrosivitity), D003 (reactivity), D006 (cadmium), D007 (chromium), D008 (lead), D018 (benzene), D035 (methyl ethyl ketone), F002, F003, F004, F005, F006, and F019.

Based on the review of available documentation and discussions with individuals associated with the Site, the former WMA at Plant 1 is PAOC No. 18, the former wastewater treatment tank area south of Plant 3 is PAOC No. 19, the WMA south of Plant 3 (SWMU No. 1 and SWMU No. 2) is PAOC No. 13, and the former solvent UST south of Plant 3 (SWMU No. 3) is PAOC No. 5. The current WMA is PAOR No. 3. Locations of PAOCs and PAORs are presented on Figure 3.1.

3.8 POLYCHLORINATED BIPHENYLS (PCBs)

Based on the review of available documentation, various waste streams were sampled by CRA during the FEA. PCBs were not detected in any of the samples. Additional information regarding PCBs is presented in the following sub-sections.

3.8.1 TRANSFORMER SUBSTATION

Based on observations during the Site inspection and discussions with individuals associated with the Site, a DTE substation is present to the north of Plant 5, adjacent to

the industrial wastewater pump station. No staining or other evidence of releases from the electrical equipment was observed. As the owner of the equipment, DTE would be responsible for any inspection, reporting, or response to releases from the equipment pursuant to the Toxic Substances Control Act (TSCA).

Eight electrical substations are located at the Site; six are located within enclosures on the rooftops of Plants 3, 4, and 5; one is located in the northwest corner of the Plant 3 basement; and one is located in a separate building north of Plant 5. According to documentation, all rooftop transformers are refrigerant cooled, or cooled with non-PCB-containing dielectric fluid. CRA evaluated concrete transformer pads for possible PCB contamination from historical releases of dielectric fluids during the FEA. A total of six samples of concrete flooring were collected from various locations throughout the Site including current and former substation rooms. The concrete samples from the substations were analyzed for PCBs. Screening criteria for PCBs in the concrete samples was selected as the TSCA cleanup criteria for bulk PCB remediation waste located in high-occupancy areas. The concrete samples did not exceed the selected screening criteria.

A release of oil from a PCB-containing transformer in a vault on the roof of Building 37 occurred prior to October 11, 1978 (date of release unknown). Approximately one pint of oil was reported to have leaked from the drain valve. The oil was removed on October 11, 1978 utilizing paint solvent and special Dow "imbiber bags" to "soak up organic materials" (GMC Truck & Coach Division letter, October 12, 1978). The waste generated during this cleanup was placed in a 5-gallon container and removed from the Site to the Pontiac Motor Division, where it was consolidated with other GM PCB waste. No confirmatory wipe samples were collected.

Based on the review of available information, PCB transformers may have historically been present at the Site. The PCB Annual Report for the Site for July 2, 1983 through July 2, 1984 identified 88 PCB transformers; however, it could not be confirmed that these were located at PCC-VC (i.e., some or all may have been associated with former Plant 2 or current Plant 6, which are not part of the Site). These units were reported to contain Askarel as a dielectric fluid.

Smaller "step-down" transformers were located throughout the plant. All of the small transformers inspected by CRA were labeled as "dry-type" (e.g., do not contain dielectric fluid), or "non-PCB". Transformers located on elevated platforms were inspected from ground level, but also appeared to be dry type.

Based on the review of historical maps, several additional transformers and/or substations were previously associated with the various industrial facilities that have occupied the Site over the years. No information was available regarding the types of dielectric fluid utilized in the transformers and substations.

Based on the review of available documentation, the former transformers/substations are PAOC No. 20. No PAORs were identified associated with transformer substations. Locations of PAOCs and PAORs are presented on Figure 3.1.

3.8.2 REGULATED CAPACITORS (> 3 LBS)

According to Site personnel, there are currently no PCB-containing regulated capacitors (> 3 lbs.) currently on Site. CRA did not observe any PCB containing regulated capacitors (> 3 lbs.) during the Site inspection.

Based on the review of available information, PCB capacitors may have historically been present at the Site. The PCB Annual Report for the Site for July 2, 1983 through July 2, 1984 identified 503 large PCB capacitors; however, it could not be confirmed that these were located at PCC-VC (i.e., some or all may have been associated with former Plant 2 or current Plant 6, which are not part of the Site). These units reportedly contained Askarel as a dielectric fluid.

3.8.3 BALLASTS

Numerous fluorescent light fixtures were observed at the Site and may contain PCB-containing ballasts. None of the ballasts observed during the Site inspection were identified as leaking, and therefore, are not regulated by TSCA. According to Site personnel, any ballast not marked "PCB-free" or "Non-PCB" are placed in 55-gallon drums, stored in the on-Site accumulation hazardous waste storage facility, and disposed off Site as PCBs.

3.8.4 HYDRAULIC SYSTEMS

According to Site personnel and based on information reviewed during the Site inspection, hydraulic equipment that may contain PCBs is present at the Site. According

to Site personnel, no comprehensive PCB survey has been conducted for existing hydraulic equipment.

Two hydraulic trash compactors are present at the Site, one in Building 25 of Plant 4, and one in Plant 5. CRA collected a wipe sample from each trash compactor during the FEA. Wipe samples were collected from oil stained areas on the compactors. The samples were analyzed for PCBs. A screening criterion was selected as the TSCA cleanup criterion for PCB remediation on non-porous surfaces located in high-occupancy areas. PCBs were not detected in any of the wipe samples collected from the surfaces of the trash compactors.

Numerous hydraulic passenger and cargo elevators are present at the Site. CRA collected three wipe samples of oil-stained elevator surfaces, as well as two oil samples from elevator hydraulic reservoirs during the FEA. The wipe sample screening criterion was selected as the TSCA cleanup criterion for PCB remediation on non-porous surfaces located in high-occupancy areas. The screening criteria for bulk oil samples was selected as the TSCA cleanup criterion for bulk PCB remediation waste located in high-occupancy areas. PCBs were not detected in any of the wipe or oil samples.

Numerous truck dock levelers at the various shipping/receiving docks. No sampling has been conducted to date on the hydraulic oils in the truck dock levelers.

The lack of a comprehensive survey of current hydraulic equipment is an environmental issue.

3.8.5 WOOD FLOOR BLOCK

Wood floor block was observed in the basement of Building 20 of Plant 4. Based on the review of previous environmental assessments conducted at the Site, wood floor block was present in Buildings 20 and 25 of Plant 4 in 1994. Based on the review of the FA, wood floor block was sampled by Traverse and was reported to be non-hazardous; however, no further information regarding the sample parameters or results was available for review by CRA. No additional information regarding the removal or disposal of the wood floor block was available.

Approximately 10,000 square feet of wood plank flooring is present on the second floor of Building 20 in Plant 4. Two samples of wood plank flooring were collected during the CRA FEA for analysis for Toxic Characteristic Leaching Procedure (TCLP) metals, TCLP

VOCs, TCLP SVOCs, total RCRA metals, pH and PCBs. The screening criterion for PCBs was selected as the TSCA cleanup criterion for bulk PCB remediation waste located in high-occupancy areas. RCRA criteria for characteristically hazardous waste were used as screening criteria for the TCLP and pH results, as well as the 20x RCRA for TCLP metals. The results for the wood plank flooring did not indicate any exceedances of the selected screening criteria.

3.9 ASBESTOS CONTAINING MATERIAL (ACM)

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

An ACM survey was completed for the Site by Traverse and summarized in a report dated February 10, 2006. The ACM survey was completed for Plants 3, 4, and 5, and Buildings 20, 31, and 37. Numerous homogeneous areas were sampled for ACM throughout the Site.

At Plant 3, 45 samples were collected from 15 homogenous materials. Three samples were identified to be ACM. Wall shingles were identified to be ACM. Fire doors and roofing materials and flashing were presumed to be ACM.

At Plant 4 – Building 25, 27 samples were collected from nine homogenous materials. Three samples were identified to be ACM. ACM included exterior insulation of the roof conveyor and 12-inch by 12-inch beige marble floor tile. Fire doors and roofing materials and flashing were presumed to be ACM. Additionally, wall insulation in a tunnel between Building 25 and Building 37 was identified to be ACM.

At Buildings 20, 31, and 37, 89 samples were collected from 25 homogenous materials. Twenty-one samples were identified to be ACM. ACM included: straight pipe insulation (SPI)(millboard); mudded fittings on SPI (millboard); mudded fittings on SPI (fiberglass)-hot water; SPI (aircell); mudded fittings on SPI (aircell); wall insulation on roof conveyor; 9-inch by 9-inch green (light and dark streaks) floor tile; and 12-inch by 12-inch beige marble floor tile. Fire doors and roofing materials and flashing were presumed to be ACM.

At Plant 5, 48 samples were collected from 16 homogenous materials. None of the samples were identified to be ACM. Fire doors, galbestos siding, and roofing materials and flashing were presumed to be ACM.

At Building 30, 21 samples were collected from seven homogenous materials. Six of the samples were identified to be ACM. ACM included window glazing and mudded fittings on city water SPI (fiberglass). Fire doors and roofing materials and flashing were presumed to be ACM.

ACM abatement is an on-going process at the Site and numerous abatement activities have been conducted throughout the operation of the facility.

Based on the information reviewed during the Phase I ESA, no PAOCs or PAORs were identified associated with ACM; however, the presence of ACM is an environmental issue.

3.10 INDUSTRIAL WASTEWATER/SANITARY SEWERS

Wastewater generated at the Site consists of sanitary and process wastewater. Sanitary wastewater is discharged directly to the City of Pontiac municipal sanitary sewer system.

According to Site personnel, there are no on-Site septic systems and no evidence of a septic system was observed by CRA during the Site inspection; however, former septic system use at the previous residences and commercial and industrial facilities could not be confirmed.

3.10.1 INDUSTRIAL PROCESS LINES

Process wastewater was collected throughout the Site in sumps, pits, and trenches. Process wastewater was transported from the sumps, pits, or trenches to the main lift station and, ultimately, to the off-Site PAC WWTP for treatment prior to discharge under a wastewater discharge permit to the City of Pontiac municipal sanitary sewer system and eventually the City of Pontiac POTW. In general, process wastewater is not currently generated at the Site.

A summary of historical wastewater, pits, trenches, and sumps is provided in Table 3.3. A figure showing the alignment of the process waste sewers from the Site to the WWTP is contained in Appendix I. Figures showing the layout of process waste sumps and sewers located within the various plants and buildings are shown in Appendix I. The

pits, sumps and trenches are being evaluated as part of the FEA. A number of these have been historically filled and covered with concrete.

The process wastewater collection system at the Site consists of a series of gravity and pressure sewers. Process wastewater is pumped from a series of collection sumps located in the production buildings, overhead to the main industrial wastewater lift station located north of Plant 5. At the main lift station, wastewater is stored in six large 15 feet deep pits, which are presently used to store general industrial wastewater and acid wastewater, but historically contained general wastewater (2), acid wastewater (2), cleaner wastewater, and ELPO wastewater. Level controllers inside of the pits trigger pumps that convey the wastewater through five separate process sewers, that historically consisted of the following: a general waste line; a cleaner line; an acid line; an ELPO line; and a spare line. The pipelines were installed between 1977 and 1978, and were constructed of high-density polyethylene, with ¾-inch thick walls. These lines run belowground along the Grand Trunk Railway right-of-way from the Site towards PCC-Central. No secondary containment of sumps or pipes was installed during construction.

The process wastewater is pumped to the WWTP at the PAC from the main lift station for removal of metals, solids, and oil, and for pH adjustment. Wastewater flow diagrams detailing the treatment process, and information pertaining to waste volumes are presented in Appendix I. Based on the review of available information, numerous releases have occurred from the wastewater lift station (see Section 3.16).

There was an off-Site release from these pipelines on October 27, 1986 due to the lines being accidentally cut during installation of fiber optic lines along the Grand Trunk Railroad. A maximum of 40,000 gallons of general and acid wastewater escaped through two damaged pipes of the industrial process wastewater lines along the Grand Trunk Railroad. The pipes were damaged when a fiber-optics firm cut through them while excavating for a cable burial. A berm was constructed around the waste site, the lift station waste pumps shut down, and a waste hauling firm contacted to remove the spilled waste immediately. Approximately 30,000 gallons were contained and recovered. Samples of the spilled liquid had a pH level of over 7 and contained hexavalent chromium concentrations of up to 1.40 ppm. Twelve soil samples were collected and analyzed for select metals and VOCs. Some of the samples exceed current Act 451, Part 201 Residential GSIPC for selenium.

During the Site inspection, CRA was unable to observe the pits in the lift station to verify the integrity of the structures. The integrity of the process lines throughout the

Plants and off Site is also unknown. As described in Section 3.16, there was evidence of process wastewater backing up in sanitary sewers when the inlet valves to the wastewater lift station were closed. It was unknown at the time how this occurred.

Based on the information reviewed during the Phase I ESA, the wastewater lift station and the belowgrade process sewer lines are PAOC No. 21. The pits, trenches and sumps are PAOR No. 1. Locations of PAOCs and PAORs are presented on Figure 3.1.

3.10.2 SANITARY SEWERS

Sanitary sewers are present at the Site. According to Site personnel, the sanitary sewers at the Site collect wastewater from facility domestic sinks and toilets only. These lines discharge directly to the City of Pontiac municipal sanitary sewer system.

3.10.3 WASTEWATER TREATMENT PLANT

There is no WWTP on Site. The industrial wastewater generated at the Site is conveyed to and treated at the off-Site PAC WWTP.

3.11 STORMWATER

Stormwater generated at the Site consists of precipitation and run-off from the building roof and hard surface areas. Stormwater infiltrates undeveloped (permeable) Site surfaces or flows via sheet flow at the Site to catch basins, which eventually discharge to Crystal Lake and the Clinton River.

Stormwater generated at the Site consists of precipitation run-off from undeveloped areas, building roofs, and impervious areas. The Site currently maintains a NPDES COC (COC No. MIS110423) under the Michigan Stormwater General Permit No. MIS119000. The COC was effective on April 1, 2001 and expired on April 1, 2006.

In an August 1973 Industrial Wastewater Survey performed by MDNR of the Site and a nearby GM Plant (Plant 2), the outfall leaving the Site was sampled and determined to have high total solids, high suspended solids, and significant aluminum, iron, chromium, and phthalate concentrations. The water also had extremely low pH. The

MDNR concluded that the phthalate concentrations were of concern and the Site would receive a "I" rating (pollution control inadequate) for 1973.

Surface water and roof drainage from the facility are discharged into the City of Pontiac storm sewer system via seven outfalls. In addition, two areas of sheet flow leave the Site.

Approximately three of the facility's 133 acres are pervious to stormwater. There are catch basins located within the three pervious acres, with the exception being a strip of pervious land along the South Saginaw Street at the northeast end of the Site.

Outfall Nos. 001 through 003 collect drainage from the CVO parking lot located at the north end of the Site. Outfall No. 001 discharges into a City of Pontiac storm sewer located in Rapid Street, and Outfall Nos. 002 and 003 discharge into 20-inch and 21-inch diameter City of Pontiac storm sewers, respectively, located in Franklin Road, which flows into Clinton River Drain No. 3 and to Outfall No. 009. Outfall No. 004 drains storm water from the following areas: Plant 5; the product vehicle parking lot northwest of Plant 5; the areas surrounding the Waste Management Area; the areas surrounding the Fuel Storage Area; the areas surrounding the Industrial Waste Water Pump Station; the Detroit Edison Substation; Buildings 30, 37, 20, and 31; the northern two-thirds of Building 25; and the employee parking lot in the southeast corner of the site. Outfall No. 004 exits the Site via a 36-inch diameter City of Pontiac storm sewer located in Franklin Road, along Rockwell Avenue, which flows into Clinton River Drain No. 3 and to Outfall No. 009. Outfall No. 005 drains the product vehicle parking lot west of Plant 5 and discharges into an 18-inch diameter City of Pontiac storm sewer located in Franklin Road, which flows to Crystal Lake. Outfall No. 006 drains Plant 3, the employee parking lot west of Plant 3 and the southwestern corner of the Site. It discharges into a 24-inch diameter City of Pontiac storm sewer located in Franklin Road, which flows to Crystal Lake. Outfall No. 007 drains the southern third of Building 25 into an 18-inch diameter City of Pontiac storm sewer located in South Boulevard, which flows to Crystal Lake.

Sheet flow exits the Site from the product vehicle parking lot located between Outfalls 003 and 004 on the west site of the facility, and the employee parking lot located south of South Boulevard. The sheet flow from these areas is collected by the City of Pontiac storm sewers located in the surrounding streets.

All of the Outfall Nos. 001 through 007, including sheet flow, discharge into the City of Pontiac storm sewer system, and flow into the Clinton River via Outfall Nos. 008 and 009. The Clinton River is located approximately 0.5 miles west of the Site.

CRA inspected several storm sewer manholes for the presence of accumulated sediments during the FEA. Most manholes inspected by CRA did not contain enough sediments to sample due to recent heavy rain events. CRA sampled sediment in two storm sewer manholes; one located in basement of Plant 3, and one from an exterior catch basin west of Plant 5. CRA analyzed samples of sediment for TCLP metals, and screened sediment sample results against RCRA criteria for characteristically hazardous waste. Neither of the sediment samples exceeded the selected screening criteria.

As a requirement of the NPDES permit and COC, the Site maintains a Stormwater Pollution Prevention Plan (SWPPP).

Numerous releases of process wastewater to the storm sewer system have occurred throughout the operation of the Site (see Section 3.16).

Based on information reviewed during this Phase I ESA, no PAOCs were identified associated with stormwater. The historical releases to the storm sewers are PAOR No. 4. Locations of PAOCs and PAORs are presented on Figure 3.1

3.12 AIR EMISSIONS

According to Site personnel and based on information reviewed, the Site historically had several air emissions sources. In a letter dated December 19, 2005, the MDEQ Air Quality Division (AQD) approved the request from the Site (SRN B4033) to void the Renewable Operating Permit (ROP)(Permit No. 199700009) that was in place for GM PCC-VC. According to the letter, the Site was no longer a major source under the Clean Air Act (CAA) Title V Program due to the fact that the pre-production operations at the Site have ceased. The only remaining air emissions sources currently present at the Site were identified in the letter to be exempt from the requirement to obtain a Permit to Install (PTI). Current emissions are limited to heating and cooling of the facility; no process related emissions are currently generated.

Historical operations covered under the ROP while the Site operated as PCC-VC included boilers, the wood workshop, pilot process area, gasoline storage and handling equipment, surface coating lines, and cold cleaners (parts washers). Based on the review of available documentation, during operation of the Site as NATP PWA, historical operations conducted at Plants 3, 4, and 5 that were permitted included production painting and associated coating operations (wheel coating line, chassis coating line, and bumper/small parts line), including ELPO, topcoat, bumpers, wheel

painting, anti-corrosion wax, windshield primer, wheel well blackout, chassis, primer-surfacer and anti-chip, paint repair (primer and topcoat), and pre-clean. Based on the review of available information, known historical operations at Plant 1 that would have produced potentially regulated air emissions included plating, pickling, phosphating, and heat-treating.

In addition, the Site utilized several types of regulated chlorofluorocarbons (CFCs) in equipment, including R-22, R-134a, and R507. No Halon systems are reported to be currently associated with the Site. According to Site personnel, the majority of CFC containing equipment maintenance is conducted on Site by certified personnel utilizing freon recovery equipment. The CFC containing equipment is maintained by Trane/Carrier, Golden Refrigerants, and K&S Ventures.

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

3.13 PAINTING SYSTEMS

Most painting operations occurred in Plant 3. The major processes in the Paint Shop include a main color line, drying ovens, strip out area, finesse deck, and spray booths. Additionally, a small dry paint booth is present in Building 37. Historically, painting operations were known to have been conducted in Buildings 20, 31, and 37, and were likely conducted at various locations in former Plant 1 and other former manufacturing structures.

CRA collected and analyzed three samples of paint sludge from various locations along the current Plant 3 paint process line during the FEA. One sample was collected of solid paint waste located in the main spray line. Another sample was collected from the paint system central sludge area (tank) located in the basement of Plant 3. The final solid paint waste sample was collected from the base coat/clear coat roof exhaust stack labeled *Maximo 1741 – Exhaust Fan #9*. Additionally, CRA collected air filter samples from the main paint line, paint booths, and the ELPO sand and solvent booth. Samples were analyzed for TCLP metals, TCLP VOCs, and TCLP SVOCs. RCRA criteria for characteristically hazardous waste were selected as screening criteria for TCLP metals, TCLP SVOCs, and TCLP VOCs. Solid paint waste and air filter samples did not exceed selected screening criteria.

Based on observations during the Phase I ESA, a paint mix room is located in Plant 3. Historically, paint mixing was conducted in the basement of Plant 3. Additional information regarding historical paint mixing areas was not available.

Based on information reviewed during the Phase I ESA, the current and former paint mix rooms are PAOC No. 22. No PAORs were identified associated with painting systems. Locations of PAOCs and PAORs are presented on Figure 3.1.

3.14 IONIZING RADIATION

Individuals associated with the Site were unaware of the use of commercial sources of ionizing radiation (e.g., fill level controllers) at the Site and no labeled radioactive sources were observed by CRA during the Site inspection. During the FA by Traverse Group, plant radioactive source records were reviewed and potential sources affecting demolition activities were identified.

The U.S. EPA has determined that Oakland County has a predicted average indoor screening level for radon gas to be greater than or equal to 2 pCi/L and less than or equal to 4 pCi/L, which is below the residential screening level of 4 pCi/L recommended by U.S. EPA. The Site will remain industrially or commercially zoned; however, there are currently basements located at the Site.

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

3.15 PERMITS

According to Site personnel and information reviewed, the Site currently maintains a stormwater discharge permit with the MDEQ (see Section 3.11).

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

3.16 SPILL REPORTS/RELEASES

According to Site personnel and based on information reviewed, there have been several reportable spills/releases at the Site. Based on information reviewed, the majority of the spills/releases at the Site occurred indoors on concrete surfaces and were addressed immediately by Site personnel on an emergency response basis. According to Site personnel, identified spills were immediately cleaned-up so there was no need for further investigation or remedial action and no impact to soils, groundwater, or surface water. According to Site personnel and based on information reviewed, additional spills/releases have occurred, as discussed in the following paragraphs. A list of spills is presented in Appendix I. The spills for which there was detailed information on are presented below.

A release of oil from a PCB-containing transformer in a vault on the roof of Building 37 occurred prior to October 11, 1978 (date of release unknown) (see Section 3.8.1).

On August 24, 1981, approximately 100 gallons of gasoline were released to the storm sewer as a result of a pump failure at the Plant 3 fueling station. The manhole was plugged and there was no evidence of the spill in Crystal Lake.

On July 8, 1983, approximately 100 gallons of oily waste were released to the storm sewer in the southeast yard at Plant 1. The manhole was pumped and the line was flushed. There was no evidence of the release at Crystal Lake.

On March 22, 1984, an unknown quantity (approximately 500 gallons) of paint spilled at Dock 31, south of Plant 3. It entered storm sewer. No other information was available.

On January 7, 1986, approximately 2,000 gallons of wastewater were released at the wastewater lift station due to lift pump failure. No other information was available for review.

On February 24, 1986, approximately 3,000 gallons of wastewater with trace hexavalent chromium were released to a storm sewer, which flows into Crystal Lake and the Clinton River. The spill occurred while the maintenance department was making repairs in the equipment room of the Wastewater Lift Pumping Station. The equipment room flooded, thereby shutting down the lift pumps. All automatic shutoff valves should have closed, but one valve on the general waste line failed to close, causing the tank to overflow for a period of 30 minutes. The inlet valve was repaired, and

approximately 2 gallons of hydrogen sulphide were added to the spill area in order to neutralize the trace hexavalent chromium.

On October 27, 1986, a maximum of 40,000 gallons of general and acid wastewater escaped through two damaged pipes of the industrial process wastewater lines along the Grand Trunk Railroad. Further information is presented in Section 3.10.1.

On December 1, 1986, 1,000 gallons of process wastewater were released to a storm drain, which is connected to Crystal Lake. The spill occurred because a valve was inadvertently left open during start up operation.

On September 15, 1987, approximately 9,000 gallons of process wastewater were released to storm sewers, which are connected to Crystal Lake and Clinton River. The spill occurred because the waste lift station basement flooded during a rainstorm, and the building sump pumps failed to start automatically. The high water levels caused the waste pumps to shutdown and the holding tanks overflowed.

On November 3, 1987, an unknown amount of Bonderite solution escaped through a previously unknown crack in the containment dyke of the Plant 3 Bonderite Unit during routine dumping. None of the solution reached surface water. All ponded waste was collected, and the crack was patched. No information on the impact to surrounding soil was available for review. On November 6, 1987, an unknown amount of Bonderite solution (estimated to be over 1,000 gallons) was spilled at the Plant 3 Cab Bonderite Unit. None of the solution reached surface water. Several spills were noted throughout the previous weeks, including spills due to a corroded process line on October 27, 1987. It was determined that the problem was a ruptured underground process drain line. The floor drains were plugged and liquid in the diked area was pumped to another waste sump. According to the spill report, GM subsequently performed a thorough evaluation of the entire Cab Bonderite Unit drainage system, including sumps, underground drains, and pumps. The outcome of this evaluation is unknown.

On November 22 and 23, 1987, an unknown amount of industrial wastewater containing hexavalent chromium was released to sanitary sewer system. A malfunctioning breaker in the electrical substation caused the wastewater lift station to shutdown. The inlet valves to the waste lift station were closed causing the wastewater to back up in the plant and somehow enter the sanitary sewer. The City of Pontiac POTW was notified immediately and monitored throughout the day.

On July 4, 1988, approximately 3,600 gallons of ELPO paint mixture were discharged to a cooling tower, which overflowed to a storm drain. The pH of the mixture was 3. No other information was available for review.

On January 15, 1989, contaminated soil was encountered while excavating an unused 1,500-gallon UST that was previously used to store purge solvent. Further information is presented in Section 3.3.

On August 16, 1989, there was a release of approximately 2,000 gallons of wastewater due to a pump failure. No other information was available for review.

On September 10, 1989, an underground pipeline distributing gasoline from a 12,000-gallon gasoline UST to a production building was found to be leaking when odors were identified in a storm sewer. Supplemental investigations of this area were performed by RMT, Inc. and CRA, as discussed in Section 3.3.

On August 15, 1990, an unknown quantity (approximately 10,000 gallons) of industrial wastewater with pH 3 was released to the storm sewer when the small parts phosphate system acid pit pumps failed to operate due to a stuck float switch. When the pit overflowed, it first filled a containment dike, but then eventually overflowed to a storm sewer catch basin. The sewer discharge from the Site was sandbagged and the sewer manholes were vacuum cleaned.

On April 29, 1991, 375 gallons of a mixture of ethanol, 2-(2-ethoxyethoxy), 2-pentanone, and 4-hydroxy-4-methyl were released when a tote tank fell off a forklift, of which approximately 125 gallons entered the storm sewer. The sewer was dammed, and a vacuum truck cleaned and rinsed the manholes. No further information was presented in the ERNS.

On January 23, 1992, an unknown quantity of wastewater was released to the storm sewer due to a leak in a bonderite system sump. No other information was available for review.

On June 30, 1992, less than 500 gallons of ELPO wastewater were released at the wastewater lift station, which entered into the storm sewer. No other information was available for review.

On November 27, 1992, approximately 1,000 gallons of hydrochloric acid were released to soil when a leak occurred in the phosphate deck containment dyke due to the acid's presence. No further information was presented in the ERNS.

On February 7, 1993, an unknown quantity of waste oil was released to the storm sewer system when a fire line ruptured in the plant. The waste oil collection pits on the assembly line overflowed due to the rupture. The manhole covers in the vicinity of the release were reportedly sealed and it was believed that the released material did not reach Crystal Lake or the Clinton River. No further information was presented in the ERNS.

On August 16, 1995, confirmed releases were filed with the MDNR (C-941-95 and C-942-95) due to stains observed during the removal of four 12,000-gallon USTs and stains, vapors and holes in tank during the removal of a 15,000-gallon UST (see Section 3.3).

On May 1, 1999, approximately 2,000 gallons of cooling tower water (containing magnesium (II) nitrate, molybdic acid, etc.) were released to a storm water manhole. No reportable quantities were exceeded. No other information was available for review.

According to the Integrated Contingency Plan (CRA, 2005), no reportable spills have occurred at the Site from 2003 to 2005.

Based on information reviewed during the Phase I ESA, the releases from the Cab Bonderite Unit during historical operations is PAOC No. 2, the releases from the USTs in the vicinity of Plant 3 are PAOC No. 5, releases from the wastewater lift station is PAOC No. 21, and the releases to the sewers is PAOR No. 4. Locations of PAOCs and PAORs are presented on Figure 3.1.

3.17 EMPLOYEE RIGHT TO KNOW (ERTK)/HEALTH AND SAFETY

Chemicals utilized at the Site are commercial type products from commercial suppliers. Accordingly, the Site is subject to ERTK regulations pursuant to 29 CFR 1910.1200. According to Site personnel and based on the review of available documentation, the Site has a written HazCom Plan. The Site maintains a database of chemicals utilized at the Site and material safety data sheets (MSDS), which are accessible to employees. According to individuals associated with the Site, training is conducted by union members, chemical managers, human resources, and supervisors. Documentation of

training is maintained by the union and human resources. Container labeling was generally observed to be adequate within the building.

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

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

The Site has an Emergency Response Plan (ERP) in place, as part of the Integrated Contingency Plan (ICP) prepared for the Site. According to Site personnel, copies of the ERP have been provided to the Oakland County Local Emergency Planning Committee (LEPC).

The Site submitted reporting forms under Sections 311/312 of EPCRA. CRA reviewed the Section 312 forms for the years 2003, 2004, and 2005, which were submitted to the Oakland LEPC, MDEQ, and Pontiac Fire Department. For the reporting year 2005, the Site reported salt, diesel, sulfuric acid, hydraulic and lube oils, nitrogen, flammable paints/thinner, unleaded gasoline, ethylene glycol, and carbon dioxide. For the reporting years 2003 and 2004, the same compounds were reported, with the exception of salt, which was not reported.

The Site did not submit Form R reports under Section 313 of EPCRA for the reporting years 2003, 2004, or 2005, due to the fact that all substances were below the required thresholds for reporting obligations.

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

3.19 WELLS

Based on observations during the Site inspection, review of available documentation, and discussions with individuals associated with the Site, there are no monitoring wells currently located on the Site. Six monitoring wells and two temporary wells, one of which contained a skimmer for product, were historically located south of Plant 3 as part of the investigation completed related to the 12,000-gallon LUST and distribution lines south of Plant 3.

According to individuals associated with the Site and based on information reviewed, there are currently no water supply wells, wet wells, or dry wells at the Site. No information was available regarding potential historical well use at the former residential, commercial, or industrial properties at the Site. Based on the age of the Site (1906) and the fact that a nearby GM Plant had industrial water supply wells, it is likely that the Site historically contained industrial water wells. There was evidence of large water storage tanks historically at Plant 1 and Plant 3.

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

3.20 LEAD-BASED PAINT (LBP)

A LBP survey was not conducted as part of this Phase I ESA.

Based on the review of available information, during sludge tank demolition activities in January and February 1998, paint chip samples were collected from the surface on the sludge tank on January 8, 1998. The paint was reported to contain lead ranging from 6.9 to 9.1 percent by weight. Additionally, personal air samples were collected during the tank demolition on January 7, 1998 and surface dust samples were collected on February 3, 1998.

Based on the review of available documentation, lead-based sampling was conducted on April 26, 2006 by CRA. A total of 16 paint samples were collected from various locations at the Site. The paint samples were analyzed for total lead to determine if lead-based paint is present. Lead was detected in all paint samples with concentrations ranging from 3.1 mg/kg to 6,610 mg/kg. Peeling paint was observed at various locations across the Site. The Site does not maintain a lead-based paint O&M Plan.

Based on the information reviewed during the Phase I ESA, no PAOCs or PAORs were identified associated with LBP; however, the presence of LBP is an environmental issue.

4.0 SUMMARY OF ENVIRONMENTAL CONDITIONS

4.1 PAOCS

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

1. **Historical Operations – Former Plant 1:** Based on the review of available information, former Plant 1 was initially developed in 1906 by the Rapid Motor Car Company, with subsequent additions to the facility over the years. The Rapid Motor Car Company, and later General Motors Corporation, utilized former Plant 1 for the manufacture and assembly of vehicles. Primary operations conducted at former Plant 1 included metal finishing operations (phosphating, pickling, plating, heat treating, and painting), stamping, grinding, machining, and polishing. Ancillary operations included hazardous and non-hazardous waste accumulation, handling, and storage, as well as the use and storage of raw petroleum products and solvents in both above and belowground storage tanks and drums. Former Plant 1 was razed in sections, with demolition occurring between 1972 and 1974 for Buildings 1A, 1B, 1C, 1D, and 2; between 1974 and 1980 for Buildings 2B, 6, 10, and 13; and the remainder of the Plant circa 1984. According to individuals associated with the Site, demolition debris from former Plant 1 was utilized as backfill for below grade structures associated with former Plant 1. Potential impacts to Site soil and/or groundwater from the historical operations and subsequent demolition practices could not be determined. Portions of the former Plant 1 portion of the Site were utilized as residential and commercial properties as early as 1909. No information regarding historical use of heating oil USTs or ASTs, septic systems, or property demolition procedures were available for CRA to review.
2. **Historical Operations – Plants 3, 4, and 5:** Based on the review of available information, the area currently occupied by Plants 3, 4, and 5 was developed as early as 1915 as Flander's Electrical Company Inc. (manufacturers of electric automobiles); Pontiac Drop Forge Company; the Wilson Foundry and Machine Company; and/or Detroit Weather Proof Body Company, with subsequent additions/changes to the facilities over the years. Primary operations conducted on this portion of the Site included degreasing, drop forging, metal finishing operations, casting, incinerating, stamping, grinding, and machining. Ancillary operations included hazardous and non-hazardous waste accumulation, handling, and storage, as well as the use and storage of raw petroleum products and solvents in both above and belowground storage tanks and drums. Portions of the Wilson Foundry were noted on Sanborn

Fire Insurance maps (Sanborn maps) to have an earthen floor. Staining was historically observed and excavated west of Plant 5 and an eight-stage phosphate system was investigated in Plant 3. Numerous releases historically occurred from various operations at the plants. Potential impacts to Site soil and/or groundwater from the historical operations could not be determined or indicated that these areas still have constituents above the Michigan Act 451, Part 201 Generic Residential Cleanup Criteria.

3. **Historical Adjacent Properties**: Based on the review of available information, the adjacent properties to the Site were historically operated as filling stations, a plating company, an electric light plant/power plant, and various manufacturing facilities as early as 1909. These types of operations typically utilize petroleum products and solvents. Additionally, a tunnel was identified on a 1954 Factory Insurance Map between the former Consumers Power Company facility (electric light plant) and former Plant 1. No further information regarding the tunnel was available. Potential impacts to the Site from these operations could not be determined.
4. **USTs – Former Plant 1:** Based on the review of available information, at least 11 historic USTs were present in the vicinity of former Plant 1. No information regarding closure (i.e., removed, abandoned-in-place, etc.) of the aforementioned USTs at former Plant 1 was available.
5. **USTs - Plant 3:** Based on the review of available information, at least 14 historic USTs were present in the vicinity of Plant 3. No information regarding closure of four of these tanks (i.e., removed, abandoned-in-place, etc.) of the aforementioned USTs at Plant 3 was available. The remaining 10 USTs were removed and at least five were closed by the MDEQ. During closure of the tanks, samples were collected for analysis for analysis for BTEX, PNAs, PCBs, lead, cadmium, and/or arsenic; however, a complete VOC and SVOC analysis was not conducted. Based on a review of historic information, residual contamination is present at the Site at concentrations above the Michigan Act 451, Part 213 Generic Residential RBSLs.
6. **USTs – Plant 4:** At least 15 USTs were formerly located in the vicinity of Plant 4. No information regarding closure (i.e., removed, abandoned-in-place, etc.) of the aforementioned USTs at Plant 4 was available.
7. **UST – Plant 5:** At least one UST was formerly located in the vicinity of Plant 5. No information regarding closure (i.e., removed, abandoned-in-place, etc.) of the aforementioned UST at Plant 5 was available.
8. **Former Incinerator:** Based on the review of the 1924 Sanborn map, a concrete refuse burner (i.e., incinerator) was present on the southwestern portion of the Site, to the west of the Wilson Foundry Plant 4. No information was available regarding the

types of materials incinerated or the historical disposal practices associated with the fly ash generated from incineration.

9. **Tunnels:** Based on the review of Sanborn maps, Factory Insurance maps, and discussions with Site personnel, a brick tunnel exists between Plants 3 and 4, and Plants 3 and 5. This tunnel was reportedly historically used for utility lines; however, it is currently abandoned, and not available for inspection. No further information regarding these tunnels was available.
10. **Former Powerhouse:** Based on the review of available information and discussions with individuals associated with the Site, a former powerhouse was located in Building 13 (Plant 3). Coal was historically stored outside east of the powerhouse. No information was available regarding if the coal was stored on bare ground or a paved surface. No specific information regarding historical dust control practices was available; and current Site personnel had no knowledge of dust control activities. In addition, fly ash would have been historically generated from the powerhouse. Approximately 350 cy of fly ash (stored in piles) were characterized and removed from the Site in 1995. It is unknown if this material was historically used as fill material on the Site.
11. **Surficial Scarring:** An area of surficial scarring is present on aerial photographs to the south of Buildings 12 and 27 (Plant 1). These buildings historically conducted heat-treat and pickling operations. No further information regarding the surficial scarring was available.
12. **Bare Soil Area:** Based on the review of the aerial photographs and Site inspection, vegetation in the area north/northwest of Building 30 is sparse. Site personnel indicated that this area was historically part of a thermal soil remediation effort. No additional information regarding the remediation was available to CRA.
13. **WMA South of Plant 3:** A Tank WMA (SWMU No. 1) and Container Waste Management Area (SWMU No. 2) historically located south of Plant 3 were identified as areas of concern during the draft PR/VSI and PA). Supplemental investigation and closure of the area was completed. MDEQ released GM from further closure requirements, but not from future corrective action requirements.
14. **AST Farm at Plant 1:** An AST was historically present at Plant 1, and was removed in 1995. The eastern portion of the bermed area had a soil base. The tanks that were removed contained engine oil, glycol, steering fluid, waste oil, glycol, oil, and waste glycol. Confirmatory soil samples were collected and analyzed for BTEX, PNAs, PCBs, lead, cadmium and arsenic. Based on the materials stored in the tanks, it is unknown if there are other VOCs remaining in the soil at concentrations of concern.

15. **Potential Fill Pipes:** Potential fill pipes were observed during the Site inspection in Plant 5, near Column G8. No further information regarding these pipes was available.
16. **Bulk Loading/Unloading Areas:** Based on the review of available information and discussions with Site personnel, the Site currently and formerly utilized several areas for bulk unloading and loading of petroleum, solvents, and acid products and waste. These areas include exterior load/unload fill ports and associated concrete pads, as well as former trainwells. Some of these areas have been replaced in the recent past; however, others have been in place since the facility was developed. Potential impacts to Site soil and/or groundwater from potential releases could not be determined.
17. **Former Foundry Sand:** Based on the review of aerial photographs and discussions with individuals associated with the Site, outdoor storage of foundry sand was historically conducted to the east of the Plant 5. No information was available regarding if the foundry sand was stored on bare ground or a paved surface. No specific information regarding historical dust control practices was available; and current Site personnel had no knowledge of dust control activities. No information was available regarding the historical use of these materials for fill at the Site and information regarding surface sampling underneath piles was unavailable for review.
18. **WMA at Plant 1:** A hazardous waste container storage area was historically identified east of Building 12 at Plant 1 in a 1981 Closure Plan. No follow-up information on the closure was provided to CRA for review.
19. **Former Wastewater Treatment:** Prior to 1978, wastewater was managed in a tank area south of Plant 3. After 1978, the wastewater lift station and process lines were connected to the off Site PAC WWTP. This area was included in the RCRA Part A Waste Permit Application. It is unknown if this area was properly closed or if there were other areas used for wastewater treatment or disposal prior to 1978.
20. **Former Transformers, Substations, and Large Capacitors:** Numerous transformers and/or substations were historically located throughout the Site and were operated since at least 1909 in some instances. No information was available regarding the historical types of dielectric fluids utilized in the majority of the former transformers at the Site. Historical documentation for the Site indicates that transformers and large capacitors containing Askarel may have been present at the Site. There was evidence of PCBs from a rooftop transformer on Plant 4 in 1978.
21. **Wastewater Lift Station and Process Lines:** The process wastewater collection system at the Site consists of a series of gravity and pressure sewers. Process

wastewater is pumped from a series of collection sumps located in the production buildings, overhead to the main industrial wastewater lift station located north of Plant 5. At the main lift station, wastewater is stored in six large pits, which are presently used to store general industrial wastewater and acid wastewater, but historically contained general wastewater, acid wastewater, cleaner wastewater, and ELPO wastewater. Based on the review of available documentation, numerous releases have occurred at the wastewater lift station. From the main lift station, process wastewater is conveyed belowground to the off-Site Pontiac Assembly Center PAC WWTP. The underground wastewater lines run approximately two to three miles along the Grand Trunk Railway. The lines are not secondarily contained, and there was evidence of a historical release from these lines off Site in October 1986 when a contractor accidentally cut lines during the installation of Fiber Optic lines along the railway.

22. **Paint Mix Rooms:** Based on observations during the Phase I ESA, a paint mix room is located in Plant 3. Historically, paint mixing was conducted in the basement of Plant 3. Additional information regarding historical paint mixing areas was not available.

4.2 PAORS

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

1. **Belowgrade Pits, Trenches, Conveyors, and Sumps:** Process wastewater is currently and was historically collected and conveyed throughout the Site in numerous below grade sumps, pits, and trenches. The integrity of all of the pits, trenches and sumps present in the existing structures at the Site could not be evaluated during the Site inspection. During the Facility Environmental Assessment (FEA) conducted by CRA, liquids were observed in several of these systems, which were subsequently sampled. According to Site personnel and based on the review of available documentation, some of these pits have been closed in place, with no decontamination or subsurface investigation activities noted. Potential impacts to Site soil and/or groundwater could not be determined.
2. **ASTs:** Numerous ASTs currently are or historically were located throughout the Site. These ASTs represent a material threat of a release of hazardous substances.

3. **WMAs:** The Site's current WMA is located north of Plant 5 and is utilized for the 90-day storage of hazardous waste. Additionally, satellite accumulation areas are present throughout the plants. There has not been any evidence of a historical release of hazardous substances into the environment from the WMA; however, if not managed properly, they represent a material threat of a release of hazardous substances.
4. **Releases to Sewers:** Based on the review of available documentation, numerous releases of process wastewater to the storm sewer system have occurred. In addition, there was evidence of industrial waste entering the sanitary sewers when industrial waste backed up in the plant due to valves at the wastewater lift station were closed for a release that occurred in November 1987. Released materials included acids, solvents, and petroleum products. Potential impacts to Site soil and/or groundwater could not be confirmed. Based on a review of available information, no releases directly to the subsurface were identified.

4.3 ADDITIONAL POTENTIAL ENVIRONMENTAL ISSUES

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

1. **PCB – Survey:** No comprehensive PCB survey has been conducted in existing hydraulic equipment. The Site currently utilizes hydraulic equipment, including dock levelers and elevators.
2. **Asbestos-Containing Materials (ACM):** ACM is present at the Site. Based on observations during the Site inspection, ACM is in good condition. During any activities that may disturb ACM (i.e., renovation or demolition), ACM must be handled in accordance with all state and federal regulations.
3. **Lead-Based Paint (LBP):** LBP is present at the Site. Based on observations during the Site inspection, LBP is in good condition. During any activities that may disturb LBP (i.e., renovation or demolition), LBP must be handled in accordance with all state and federal regulations.

5.0 CONCLUSIONS

A Phase I ESA was conducted for the PCC-VC located at 200 South Boulevard West in Pontiac, Michigan. The Phase I ESA identified the following 22 PAOCs, 4 PAORs, and 3 other environmental issues, as presented in Section 4.0.

PAOCs

1. Historical Operations – Former Plant 1
2. Historical Operations – Plants 3, 4, and 5
3. Historical Adjacent Properties
4. USTs – Former Plant 1
5. USTs - Plant 3:
6. USTs – Plant 4
7. USTs – Plant 5
8. Former Incinerator
9. Tunnels
10. Former Powerhouse
11. Surficial Scarring
12. Bare Soil Area
13. WMA south of Plant 3
14. AST Farm at Plant 1
15. Potential Fill Pipes
16. Bulk Loading/Unloading Areas
17. Former Foundry Sand
18. WMA at Plant 1
19. Former Wastewater Treatment
20. Former Transformers, Substations, and Large Capacitors
21. Wastewater Lift Station and Process Lines
22. Paint Mix Rooms

PAORs

1. Belowgrade Pits, Trenches, Conveyors, and Sumps.

2. Aboveground Storage Tanks.
3. Waste Management Areas.
4. Releases to Sewers.

Other Environmental Issues

1. PCB – Survey.
2. Asbestos-Containing Materials (ACM).
3. Lead-Based Paint (LBP).

6.0 CERTIFICATION

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

Jennifer L. Quigley

Brian C. Boevers

7.0 REFERENCES

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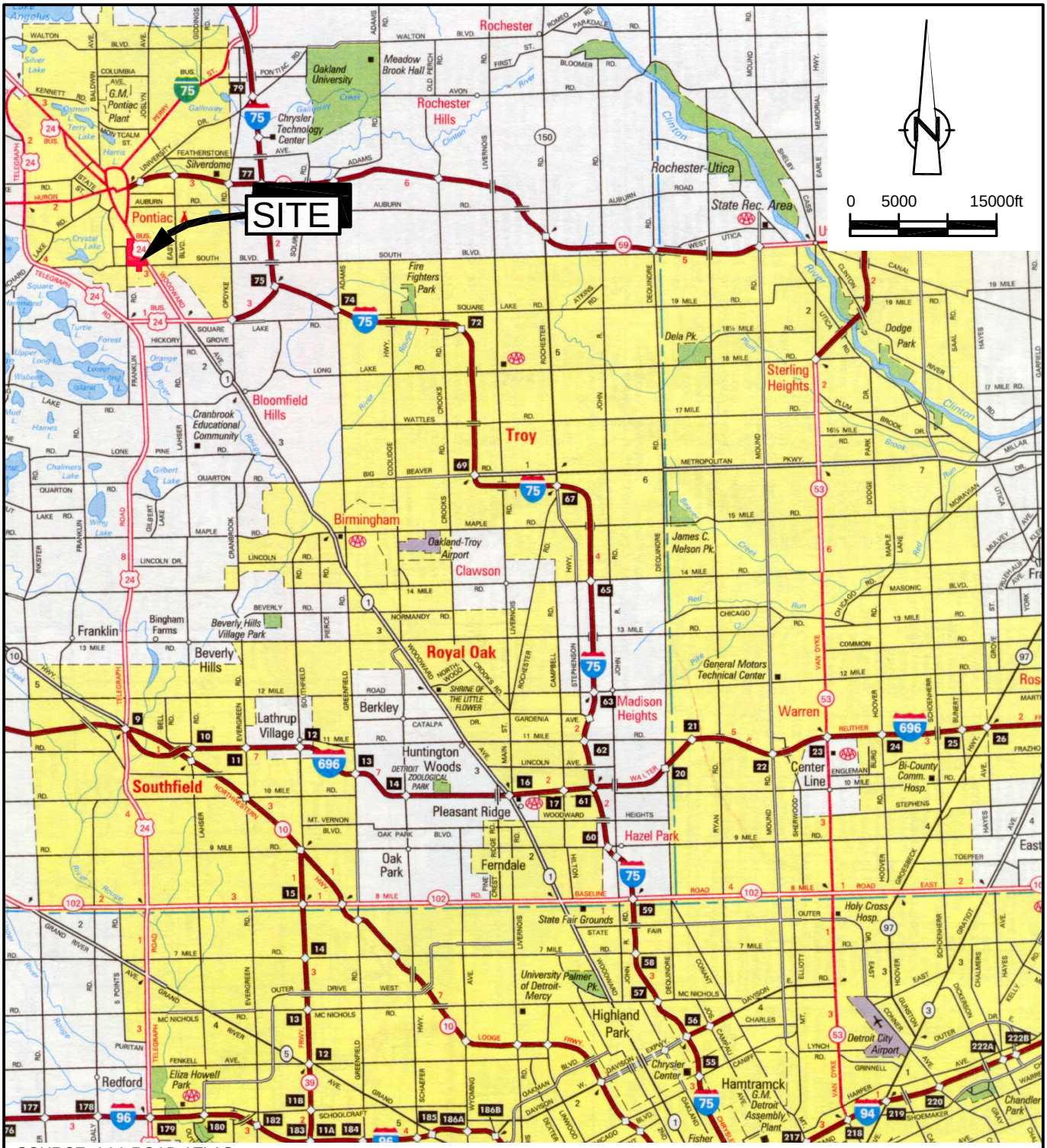
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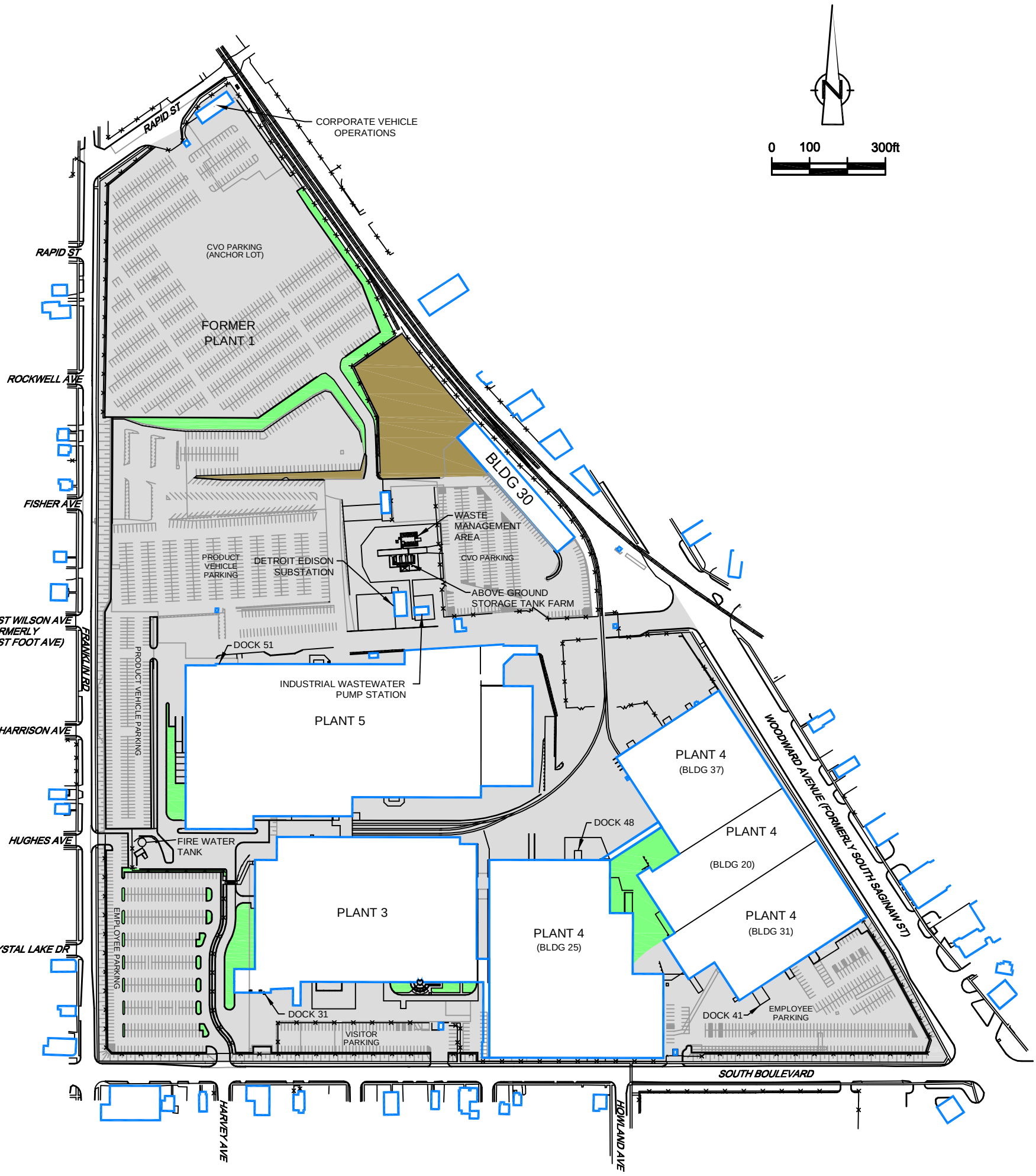


SOURCE: AAA ROAD ATLAS

PRIVILEGED AND CONFIDENTIAL
PREPARED AT GM LEGAL COUNSEL'S REQUEST

figure 1.1

SITE LOCATION
PHASE I ENVIRONMENTAL SITE ASSESSMENT
GENERAL MOTORS PONTIAC CENTERPOINT CAMPUS
VALIDATION CENTER
200 South Boulevard West, Pontiac, Michigan



LEGEND

- GRASS
- SAND/GRAVEL/STONE
- ASPHALT/CONCRETE

PRIVILEGED AND CONFIDENTIAL
PREPARED AT GM LEGAL COUNSEL'S REQUEST

figure 1.2

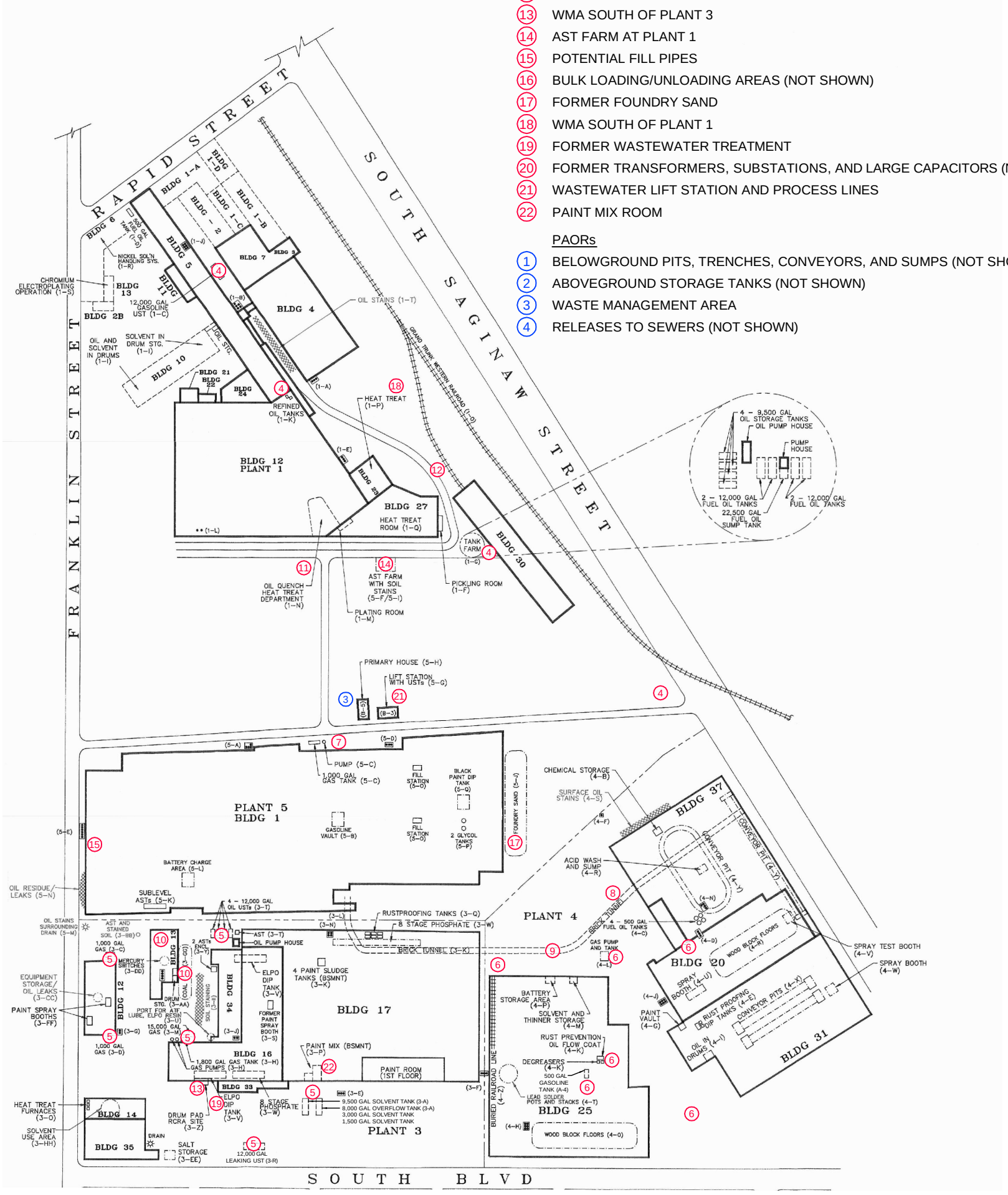
CURRENT SITE PLAN
PHASE I ENVIRONMENTAL SITE ASSESSMENT
GENERAL MOTORS PONTIAC CENTERPOINT CAMPUS
VALIDATION CENTER
200 South Boulevard West, Pontiac, Michigan

CRA

17322-99(001)GN-WA002 DEC 09/2008

0 100 300ft

APPROXIMATE SCALE



PAOCs

1. HISTORICAL OPERATIONS - FORMER PLANT 1 (NOT SHOWN)
2. HISTORICAL OPERATIONS - PLANT 3, 4, AND 5 (NOT SHOWN)
3. HISTORICAL ADJACENT PROPERTIES (NOT SHOWN)
4. USTs - FORMER PLANT 1
5. USTs - FORMER PLANT 3
6. USTs - FORMER PLANT 4
7. USTs - FORMER PLANT 5
8. FORMER INCINERATOR
9. TUNNELS
10. FORMER POWERHOUSE
11. SURFICIAL SCARRING
12. BARE SOIL AREA
13. WMA SOUTH OF PLANT 3
14. AST FARM AT PLANT 1
15. POTENTIAL FILL PIPES
16. BULK LOADING/UNLOADING AREAS (NOT SHOWN)
17. FORMER FOUNDRY SAND
18. WMA SOUTH OF PLANT 1
19. FORMER WASTEWATER TREATMENT
20. FORMER TRANSFORMERS, SUBSTATIONS, AND LARGE CAPACITORS (NOT SHOWN)
21. WASTEWATER LIFT STATION AND PROCESS LINES
22. PAINT MIX ROOM

PAORs

1. BELOWGROUND PITS, TRENCHES, CONVEYORS, AND SUMPS (NOT SHOWN)
2. ABOVEGROUND STORAGE TANKS (NOT SHOWN)
3. WASTE MANAGEMENT AREA
4. RELEASES TO SEWERS (NOT SHOWN)

LEGEND

④ POTENTIAL AREA OF CONCERN (PAOC)

③ POTENTIAL AREA OF RELEASE (PAOR)

NOTES: - SITE PLAN IS HISTORICAL (PRE 1984)
- LOCATIONS OF PAOC/PAORs ARE APPROXIMATE

SOURCE: POTENTIAL AREAS OF ENVIRONMENTAL CONCERN GENERAL MOTORS CORPORATION NORTH AMERICA TRUCK PLATFORM PONTIAC WEST FACILITY PONTIAC, MICHIGAN, THE TRAVERSE GROUP

PRIVILEGED AND CONFIDENTIAL
PREPARED AT GM LEGAL COUNSEL'S REQUEST

figure 3.1

LOCATIONS OF PAOC/PAORs
PHASE I ENVIRONMENTAL SITE ASSESSMENT
GENERAL MOTORS PONTIAC CENTERPOINT CAMPUS VALIDATION CENTER

200 South Boulevard West, Pontiac, Michigan

CRA

TABLE 3.1

SUMMARY OF UNDERGROUND STORAGE TANKS
GENERAL MOTORS TRUCK PRODUCT VALIDATION CENTER
PONTIAC, MICHIGAN

Tank Number	*Capacity (gallons)*	*Contents*	*Construction Material*	*Installation Date*	*Status*	*Tank Location*	*Tank Use Description*	*Date Tank Last Used*	*Date Tank Closed*	*Date Removed*	*Releases*
Plant 1											
-	12,000	Fuel oil	Unknown	Pre-1928	Unknown	Southeast of Building 27 - Tank Farm	Unknown	Unknown	Unknown	Unknown	--
-	12,000	Fuel oil	Unknown	Pre-1929	Unknown	Southeast of Building 27 - Tank Farm	Unknown	Unknown	Unknown	Unknown	--
-	12,000	Fuel oil	Unknown	Pre-1930	Unknown	Southeast of Building 27 - Tank Farm	Unknown	Unknown	Unknown	Unknown	--
-	12,000	Fuel oil	Unknown	Pre-1931	Unknown	Southeast of Building 27 - Tank Farm	Unknown	Unknown	Unknown	Unknown	--
-	9,500	Oil	Unknown	Pre-1924	Unknown	Southeast of Building 27 - Tank Farm	Unknown	Unknown	Unknown	Unknown	--
-	9,500	Oil	Unknown	Pre-1925	Unknown	Southeast of Building 27 - Tank Farm	Unknown	Unknown	Unknown	Unknown	--
-	9,500	Oil	Unknown	Pre-1926	Unknown	Southeast of Building 27 - Tank Farm	Unknown	Unknown	Unknown	Unknown	--
-	9,500	Oil	Unknown	Pre-1927	Unknown	Southeast of Building 27 - Tank Farm	Unknown	Unknown	Unknown	Unknown	--
-	12,000	Gasoline	Unknown	Pre-1915	Unknown	Between Buildings 5 and 7	Unknown	Unknown	Unknown	Unknown	--
-	Unknown	Gasoline	Unknown	Pre-1932	Unknown	Southwest of Fire Department	Unknown	Unknown	Unknown	Unknown	--
-	Unknown	Oil	Unknown	Pre-1954	Unknown	South end of Building 5	Multiple buried oil tanks	Unknown	Unknown	Unknown	--
Plant 3											
1	12,000	Gasoline	Fiberglass reinforced plastic	1972	Removed June 1995	South of Building 33	Gasoline island	Aug-95	NA	Aug-95	1/1/1980 & 9/10/1989
-	12,000	Fuel oil	Likely removed prior to	Pre-1924	Unknown	North of Building 34	Unknown	Unknown	--	--	--
-	12,000	Fuel oil	Likely removed prior to	Pre-1924	Unknown	North of Building 34	Unknown	Unknown	--	--	--
2	12,000	Waste oil	Bare steel	1954	Removed Sept 1995	North of Building 34	Tank Farm	Jan-72	1979	Sep-95	8/16/1995
3	12,000	Waste oil	Bare steel	1954	Removed Sept 1995	North of Building 34	Tank Farm	Jan-72	1979	Sep-95	8/16/1995
4	12,000	Waste oil	Bare steel	1954	Removed Sept 1995	North of Building 34	Tank Farm	Jan-72	1979	Sep-95	8/16/1995
5	12,000	Waste oil	Bare steel	1954	Removed Sept 1995	North of Building 34	Tank Farm	Jan-72	1979	Sep-95	8/16/1995
16	15,000	Gasoline	Bare steel	Pre-1954	Removed August 1995	Southwest of Building 34	Unknown	Jan-72	--	Aug-95	8/16/1995
-	1,800	Gasoline	Unknown	Pre-1954	Unknown	Southwest of Building 34	Unknown	Unknown	--	--	--
6	1,500	Water and	Bare steel	1977	Removed July 1995	South of Building 17 paint mix room	Paint mix room dump tank (paint trap tank)	Unknown	--	Jul-95	--
7	3,500	Paint solvent	Bare steel	Pre-1966	Removed January	South of Building 17 paint mix room	Plant 3 solvent tank	Jul-88	Jan-89	Jan-89	1/15/1989
8	9,500	Water and	Bare steel	Pre-1966	Removed July 1995	South of Building 17 paint mix room	Basement mix room dump tank (sludge	Jan-95	--	Jul-95	--
9	8,000	Paint	Bare steel	1967	Removed May 1986	South of Building 17 paint mix room	Prime dip system dump tank	1979	May-86	May-86	--
-	1,000	Gasoline	Unknown	Pre-1937	Unknown	North of Building 12	Unknown	Unknown	--	--	--
-	1,000	Gasoline	Unknown	Pre-1937	Unknown	South of Building 12	Unknown	Unknown	--	--	--
14	3,100	Water and oils	Concrete	1981	Removed August 1995	Hazardous waste sump, RCRA pad	Hazardous waste drainage sump	Unknown	--	Aug-95	--
Plant 4											
-	500	Gasoline	Unknown	Unknown	Unknown	East portion of Building 25	Unknown	Unknown	--	--	--
-	5,000	Fuel oil	Unknown	Pre-1915	Unknown	Northwest of Michigan Drop Forge	Unknown	Unknown	--	--	--
-	9,500	Fuel oil	Unknown	Pre-1919	Unknown	Southeast of Michgan Drop Forge	Unknown	Unknown	--	--	--
-	9,500	Fuel oil	Unknown	Pre-1919	Unknown	Southeast of Michgan Drop Forge	Unknown	Unknown	--	--	--
-	9,500	Fuel oil	Unknown	Pre-1919	Unknown	Southeast of Michgan Drop Forge	Unknown	Unknown	--	--	--
-	9,500	Fuel oil	Unknown	Pre-1919	Unknown	Southeast of Michgan Drop Forge	Unknown	Unknown	--	--	--
-	Unknown	Gasoline	Unknown	Pre-1924	Unknown	Northwest of Michigan Drop Forge	Unknown	Unknown	--	--	--
-	Unknown	Gasoline	Unknown	Pre-1924	Unknown	Southeast of Michgan Drop Forge	Unknown	Unknown	--	--	--
-	Unknown	Gasoline	Unknown	Pre-1924	Unknown	Southeast of Michgan Drop Forge	Unknown	Unknown	--	--	--
-	Unknown	Gasoline	Unknown	Pre-1924	Unknown	Southwest of Wilson Foundry Building 20	Unknown	Unknown	--	--	--
-	Unknown	Gasoline	Unknown	Pre-1924	Unknown	Southwest of Wilson Foundry Building 20	Unknown	Unknown	--	--	--

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TABLE 3.1

SUMMARY OF UNDERGROUND STORAGE TANKS
GENERAL MOTORS TRUCK PRODUCT VALIDATION CENTER
PONTIAC, MICHIGAN

Tank Number	*Capacity (gallons)*	*Contents*	*Construction Material*	*Installation Date*	*Status*	*Tank Location*	*Tank Use Description*	*Date Tank Last Used*	*Date Tank Closed*	*Date Removed*	*Releases*
-	Unknown	Gasoline	Unknown	Pre-1924	Unknown	Southwest of Wilson Foundry Building 21	Unknown	Unknown	--	--	--
-	Unknown	Gasoline	Unknown	Pre-1924	Unknown	Southwest of Wilson Foundry Building 22	Unknown	Unknown	--	--	--
-	Unknown	Gasoline	Unknown	Pre-1924	Unknown	Southwest of Wilson Foundry Building 23	Unknown	Unknown	--	--	--
-	Unknown	Gasoline	Unknown	Pre-1924	Unknown	Northeast of Building 25	Unknown	Unknown	--	--	--
Plant 5											
10	100	Petroleum products	Concrete	1981	Removed August 1995	Brake fill sump - 30-H	Plant 5 brake fill pit 30-H	Unknown	--	Aug-95	--
11	100	Water and used oils	Concrete	1981	Removed August 1995	Fluid fill sump - 37-G	Plant 5 fluid fill pit 37-G	Unknown	--	Aug-95	--
12	480	Water and used oils	Concrete	1981	Removed August 1995	Fuel fill sump - 37-D	Plant 5 fuel fill pit 37-D	Unknown	--	Aug-95	--
13	750	Water and used oils	Concrete	1977	Removed August 1995	Top-off fill sump - 20-D	Plant 5 fluid top-off pit 20-D	Unknown	--	Aug-95	--
15	8,000	Water and	Concrete	1981	Removed August 1995	Paint repair sump-25-C	Plant 5 paint repair 25-C	Unknown	--	Aug-95	--
-	1,000	Gasoline	Unknown	Pre-1973	Unknown	North of Building 1	Unknown	Unknown	--	--	--

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TABLE 3.2

SUMMARY OF ABOVEGROUND STORAGE TANKS
GENERAL MOTORS TRUCK PRODUCT VALIDATION CENTER
PONTIAC, MICHIGAN

Tank Number	*Capacity (gallons)*	*Contents*	*Construction Material*	*Installation Date*	*Status*	*Location*
Plant 1						
	500	Fuel oil	Unknown	Unknown	Unknown	Northeast wall of Building 6
-	Unknown	Refined oil	Unknown	Unknown	Unknown	Northeast corner of Building 12
-	Unknown	Refined oil	Unknown	Unknown	Unknown	Northeast corner of Building 12
-	100,000	Water	Unknown	Unknown	Removed	North of Building 13
-	12,000	Deionized Water	Unknown	Unknown	Unknown	East of Building 6
-	Unknown	Carwash chemicals	Unknown	Unknown	Unknown	First floor, Building 30
-	Unknown	Carwash chemicals	Unknown	unknown	Unknown	First floor, Building 30
-	12,000	Engine oil	Unknown	Unknown	Removed July 1995	Process Fluids Tank Farm
-	12,000	Glycol	Unknown	Unknown	Removed July 1995	Process Fluids Tank Farm
-	12,000	Steering fluid	Unknown	Unknown	Removed July 1995	Process Fluids Tank Farm
51	15,000	Waste oil	Unknown	Unknown	Removed July 1995	Process Fluids Tank Farm
52	12,000	Glycol/ oil separation	Unknown	Unknown	Removed July 1995	Process Fluids Tank Farm
53	12,000	Waste glycol	Unknown	Unknown	Removed July 1995	Process Fluids Tank Farm
-	Unknown	Gasoline	Unknown	Pre-1954	Unknown	Northwest of Building 12, Tank on wall
-	100,000	Water	Unknown	Pre-1954	Unknown	West of Building 5
Plant 3						
-	6,000	Phosphating chemicals	Unknown	Unknown	Operational	Plant 3
-	6,000	Phosphating chemicals	Unknown	Unknown	Operational	Plant 3
-	3,000	Deionized water	Fiberglass	Unknown	Operational	Plant 3
-	3,000	Deionized water	Fiberglass	Unknown	Operational	Plant 3
-	6,000	Virgin ELPO	Unknown	Unknown	Operational	Plant 3
-	6,000	Virgin ELPO	Unknown	Unknown	Operational	Plant 3
-	10,000	Fire water	Unknown	Unknown	Removed 1995	In shed, west of Building 34
-	10,000	Fire water	Unknown	Unknown	Removed 1995	In shed, west of Building 34
-	10,000	Fire water overflow	Unknown	Unknown	Removed 1995	South of Plant 3
-	10,000	Fire water overflow	Unknown	Unknown	Removed 1995	South of Plant 3
-	1,000	Diesel	Unknown	Unknown	Removed June 1995	South of Building 33
-	1,000	Diesel	Unknown	Unknown	Removed June 1995	South of Building 33
-	500	Gasoline	Unknown	Unknown	Removed June 1995	South of Building 33
-	Unknown	Unknown	Unknown	Unknown	Unknown	Northwest of Building 17
-	Unknown	Holding/treatment tank	Unknown	Unknown	Unknown	Basement in bay BL17
-	Unknown	Holding/treatment tank	Unknown	Unknown	Unknown	Basement in bay BL17
-	Unknown	Holding tank	Unknown	Unknown	Unknown	Basement in bay BN17
-	Unknown	Unknown ("Day tank")	Unknown	Unknown	Unknown	Basement central sludge area bay BP 16
-	Unknown	Rust proofing chemicals	Unknown	Unknown	Unknown	North of Building 17
-	Unknown	Rust proofing chemicals	Unknown	Unknown	Unknown	North of Building 17
-	Unknown	Rust proofing chemicals	Unknown	Unknown	Unknown	North of Building 17
-	Unknown	Rust proofing chemicals	Unknown	Unknown	Unknown	North of Building 17
-	Unknown	Rust proofing chemicals	Unknown	Unknown	Unknown	North of Building 17
-	Unknown	Rust proofing chemicals	Unknown	Unknown	Unknown	North of Building 17
-	Unknown	Paint Sludge	Unknown	Unknown	Unknown	Basement of Building 17
-	Unknown	Paint Sludge	Unknown	Unknown	Unknown	Basement of Building 17
-	Unknown	Paint Sludge	Unknown	Unknown	Unknown	Basement of Building 17
-	Unknown	Paint Sludge	Unknown	Unknown	Unknown	Basement of Building 17
-	Unknown	Unknown	Unknown	Unknown	Unknown	Northwest of Building 13
-	75,000	Water	Unknown	Unknown	Operational	Northwest of Building 13
-	Unknown	Unknown	Fiberglass	Unknown	Removed 1995	Building 14/35
-	14,500	Propane	Unknown	Unknown	Unknown	North of Plant 3 (exterior)
32	Unknown	Unknown (methlene chloride, paint sludge)	Unknown	Unknown	Removed	Building 33
33	Unknown	Unknown (methlene chloride, paint sludge)	Unknown	Unknown	Removed	Building 33
34	Unknown	Unknown (methlene chloride, paint sludge)	Unknown	Unknown	Removed	Building 33
35	Unknown	Unknown (methlene chloride, paint sludge)	Unknown	Unknown	Removed	Building 33
36	Unknown	Unknown (methlene chloride, paint sludge)	Unknown	Unknown	Removed	Building 33
-	10,000	Waste paint	Unknown	Unknown	Removed 1995	Waste Management Area, SW corner
-	10,000	Waste paint	Unknown	Unknown	Removed 1995	Waste Management Area, SW corner
37	11,000	Waste solvent	Unknown	Unknown	Removed 1995	Waste Management Area, SW corner
-	1,100	Boiler feed water	Unknown	Unknown	Unknown	Building 13, floor 1, # 5 boiler
-	1,100	Corrosion inhibitor	Unknown	Unknown	Unknown	Building 13, floor 1, # 5 boiler
-	100	Blowdown	Unknown	Unknown	Unknown	Building 13, basement
-	1,000	Feed water (lime deposits)	Unknown	Unknown	Unknown	Building 13, basement
-	10,000	Resin	Unknown	Unknown	Unknown	Fist floor of Building 14/35
-	80,000	ELPO	Unknown	Unknown	Unknown	Building 17 basement
-	10,000	Rear axle lube	Unknown	Unknown	Unknown	Outside of Building 17 (west)
-	10,000	Automatic transmission fluid	Unknown	Unknown	Unknown	Outside of Building 17 (west)
-	10,000	Waste purge solvent	Unknown	Unknown	Unknown	Outside of Building 17 (southwest)
-	10,000	Paints/solvents	Unknown	Unknown	Unknown	Outside of Building 17 (southwest)
-	10,000	Dump tank	Unknown	Unknown	Unknown	Outside of Building 17 (southwest)
-	500	Unknown	Unknown	Unknown	Unknown	Building 31 mezzanine Bay M10
-	300	Water	Unknown	Unknown	Unknown	Building 37 mezzanine Bay N13
-	300	Water	Unknown	Unknown	Unknown	Building 37 mezzanine Bay N13

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TABLE 3.2

SUMMARY OF ABOVEGROUND STORAGE TANKS
GENERAL MOTORS TRUCK PRODUCT VALIDATION CENTER
PONTIAC, MICHIGAN

Tank Number	*Capacity (gallons)*	*Contents*	*Construction Material*	*Installation Date*	*Status*	*Location*
Plant 4						
	500	Fuel oil	Unknown	Unknown	Unknown	Southwest corner Building 37 (former B-22)
	500	Fuel oil	Unknown	Unknown	Unknown	Southwest corner Building 37 (former B-22)
	500	Fuel oil	Unknown	Unknown	Unknown	Southwest corner Building 37 (former B-22)
	500	Fuel oil	Unknown	Unknown	Unknown	Southwest corner Building 37 (former B-22)
-	Unknown	Liquid nitrogen	Unknown	Unknown	Unknown	Exterior of Plant 4
-	Unknown	Rust proof coat/dip tank	Unknown	Unknown	Unknown	Northwest of Building 31
-	Unknown	Oil and degreasers	Unknown	Unknown	Unknown	Central eastern area of Building 25
-	Unknown	Water	Unknown	Unknown	Unknown	Unknown
Plant 5						
-	1,200	Hydraulic oil	Unknown	Unknown	Unknown	First floor column E45
-	Unknown	Crude oil	Unknown	Unknown	Unknown	Subgrade along south wall of Building 1
-	Unknown	Crude oil	Unknown	Unknown	Unknown	Subgrade along south wall of Building 1
-	Unknown	Crude oil	Unknown	Unknown	Unknown	Subgrade along south wall of Building 1
-	Unknown	Crude oil	Unknown	Unknown	Unknown	Subgrade along south wall of Building 1
-	1,000-10,000	Unknown	Fiberglass	Unknown	Removed 1995	vault in Plant 5
-	1,000-10,000	Unknown	Fiberglass	Unknown	Removed 1995	vault in Plant 5
-	1,000-10,000	Unknown	Fiberglass	Unknown	Removed 1995	vault in Plant 5
-	1,000-10,000	Unknown	Fiberglass	Unknown	Removed 1995	vault in Plant 5
-	1,000-10,000	Unknown	Fiberglass	Unknown	Removed 1995	vault in Plant 5
-	Unknown	Glycol	Unknown	Unknown	Unknown	Eastern area of Plant 5
T-1	1,500	Diesel	Double walled steel; concrete liner	1995	Operational	Tank Farm
T-2	5,000	Gasoline	Double walled steel; concrete liner	1995	Operational	Tank Farm
T-3	5,000	Gasoline	Double walled steel; concrete liner	1995	Operational	Tank Farm
T-4	5,000	Gasoline	Double walled steel; concrete liner	1995	Operational	Tank Farm
-	100	Glycol	Unknown	Unknown	Unknown	Mezzanine Bay H29
-	3,700	Unknown	Unknown	Unknown	Unknown	First floor Bay L3-L6
-	500	Unknown	Unknown	Unknown	Unknown	First floor Bay L3-L6
-	1,000	Unknown	Unknown	Unknown	Unknown	First floor Bay L3-L6
-	3,700	Unknown	Unknown	Unknown	Unknown	First floor Bay L3-L6
-	10,600	Unknown	Unknown	Unknown	Unknown	First floor Bay L3-L6
	500	Floor scrubber tank	Unknown	Unknown	Unknown	First floor Bay L8
	10,000	Unknown	Unknown	Unknown	Unknown	Mezzanine Bay F43
	10,000	Unknown	Unknown	Unknown	Unknown	Mezzanine Bay F43
	10,000	Oil, glycol, and liquids	Unknown	Unknown	Unknown	Outside of Plant 5 (north side)
	10,000	Oil, glycol, and liquids	Unknown	Unknown	Unknown	Outside of Plant 5 (north side)
	10,000	Oil, glycol, and liquids	Unknown	Unknown	Unknown	Outside of Plant 5 (north side)
	12,000	Oil, glycol, and liquids	Unknown	Unknown	Unknown	Outside of Plant 5 (north side)
	12,000	Oil, glycol, and liquids	Unknown	Unknown	Unknown	Outside of Plant 5 (north side)
	12,000	Oil, glycol, and liquids	Unknown	Unknown	Unknown	Outside of Plant 5 (north side)

Notes:
ELPO - Electroplating Operations

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HISTORICAL SUMP INFORMATION
GENERAL MOTORS TUCK PRODUCT VALIDATION CENTER
PONTIAC, MICHIGAN

Plant #	*Building #*	*Sump ID*	*Size (gal.)*	*Waste Type*	*Comments*
3	17	E14	336	Acid	--
3	17	E12	1,580	General	--
3	17	E8	336	Cleaner	--
3	17	K3	1,080	Acid	--
3	17	H5	675	Acid	--
3	16	BB11	359	Cleaner	--
3	16	BB11	359	Acid	--
3	16	BT11	336	Cleaner	--
3	16	BT13	336	General	--
3	16	BT16	336	Acid	--
3	16	BT22	230	ELPO	--
3	16	BD17	615	ELPO	--
3	16	BD17	235	ELPO	--
3	16	BI3	2,520	Acid	--
3	16	BP12	325	Acid	--
3	16	BO24	280	Acid	--
3	16	BD3	n/a	Acid	--
3	Basement	BN16	--	--	5' x 5' wet
3	Basement	I28	--	--	3' x 10'
3	Basement	BN25	--	General	--
3	Basement	BO16	--	Acid	--
4	37	K9	830	Acid	--
4	31	E22	775	Acid	--
4	31	LAB ROOM 119	890	Acid	--
4	25	M27	290	Acid	--
4	25	M11	343	General	--
4	25	D5	395	General	--
4	25	B19	654	General	--
4	31	D-G 21-23	--	--	5' x 5'
4	20	BB5	--	--	Aboveground with containment
4	20	BB8	--	Water	
4	20	BC8	--	--	1' x 1' x 1' appears to be sanitary
4	31	K-G 15-17	--	--	4' x 4'
4	20	S1	--	--	5' x 6' cover welded on (sump or vault)
5	1	G27	274	General	--
5	1	J35	2,960	Acid	--
5	1	H13	15	Cleaner	--
5	1	K7	264	General	--
5	1	L10	210	General	--
5	1	E10	146	General	--
5	1	C25	8,525	Acid	--
5	1	JJ27	507	Acid	--
5	1	G31	7,230	Acid	--
5	1	--	--	--	4' x 4' sump in leak test area
5	1	H43	--	Acid	--
5	1	E43	--	Acid	--
5	1	EE43	--	Acid	--
5	1	--	--	--	3' x 3' x 3' oily in basement
5	1	--	--	--	3' x 3' x 3' oily in basement
5	1	C37	--	--	Inside pit 2' x 2' x 2' dry
5	1	E45	--	Water	--
Other Areas	--	Powerhouse	3,590	General	--
Model Shop	--	A2	--	General	--
Model Shop	--	A3	--	General	--
Tank Farm	--	--	560	General	--
Pump Station	--	--	--	--	2' x 2' x 2'
Hazardous Waste Shed	--	--	--	--	3' x 3' x 2'

HISTORICAL PIT INFORMATION
GENERAL MOTORS TUCK PRODUCT VALIDATION CENTER
PONTIAC, MICHIGAN

Plant #	*Building #*	*Pit ID*	*Dimensions*	*Waste Type*	*Comments*
4	25	A-D 16-19	25' x 15' x 1'	--	Two equipment pits total
5	1	F43	8' x 8' x 2'	--	--
5	1	H45	10' x 30'	--	Equipment pit
5	1	--	--	--	Conveyor pit
5	1	F-H 23	--	--	Conveyor pit
5	1	F21	--	General	--

HISTORICAL TRENCH INFORMATION
GENERAL MOTORS TUCK PRODUCT VALIDATION CENTER
PONTIAC, MICHIGAN

Plant #	*Building #*	*Trench ID*	*Dimensions*	*Comments*
4	20	S1	1' x 5'	Two trenches total
4	20	BB20	1' x1' x 30'	Water trench throughout basement
4	31	D-G 21-23	0.5' x 0.667' x 50'	Battery charge containment
4	31	D-G 21-23	1.5 ' x 1.5' x 10'	Carwash area
5	1	F13	2' x 1.5' x 10'	--
5	1	E13	1.5' x 0.5' x 20'	Trench in floor pit
5	1	A-E 45	1.5' x 1' x 8'	Mechanical room
5	1	C-L 11-13	2' x 1.5' x 10'	--
5	1	E13	1.5' x 5' x 20'	--
5	1	E23	6' x 4'	--
5	1	B37	8' x 20'	Waste accumulation room
5	1	J-K 31-45	3' x 2' x 50'	Southeast dock
5	1	CC27	1' x 5' x 0.667'	Two trenches in paint storage
Exterior	AST Farm	--	1' x 1' x 120'	AST containment trench

HISTORICAL WASTEWATER SUMMARY
GENERAL MOTORS TUCK PRODUCT VALIDATION CENTER
PONTIAC, MICHIGAN

Wastewater Type	Amt. Of Pipe (ft)	Liquid Vol of Pipe (gal)	# of Sumps	Total Sump Storage (gal)	Wastewater generated (g/d)	Wastewater storage tank capacity (gal)
Acid	5,700	10,000	16	30,965	110,000	22,000
Cleaner	1,820	2,460	4	1,070	15,000	12,000
Elpo	1,765	930	2	930	45,000	12,000
General	3,482	5,390	13	4,180	250,000	122,000
Total	**12,767**	**18,780**	**35**	**37,145**	**420,000**	**168,000**

APPENDIX A

ASSESSOR'S QUALIFICATIONS

EDUCATION

B.S. Michigan Technological University, Environmental Engineering, Cum Laude, 1997

Other Courses:
- 40-Hour OSHA Health and Safety Training, 1998
- 8-Hour OSHA Health and Safety Refresher, 2005
- Cleanup Criteria Symposium For Parties Implementing Part 201 Remedial Actions - MDEQ, 1998
- EPCRA Section 304 and CERCLA Section 103 Emergency Notification (Release Reporting) Workshop - MDEQ, 1999
- ASTM E1527-00 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" - EDR, 1999, 2001, 2004, and 2006
- Regulations 101: An Environmental Safety and Health Course – MDEQ, 2001, 2002, and 2006
- CRA Phase I ESA Training, 1999 and 2000
- CRA Building Decommissioning Seminar, 1999

EMPLOYMENT

2002-Present	Project Manager/Coordinator/Engineer Conestoga-Rovers & Associates, Lansing, Michigan
2001-2002	Project Coordinator/Engineer Conestoga-Rovers & Associates, Plymouth, Michigan
1998-2001	Project Coordinator/Engineer Conestoga-Rovers & Associates, Romulus, Michigan
1995	Summer Intern, Dell Engineering, Inc., Holland, Michigan

AFFILIATIONS

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

Member, Environmental Quality Committee, Michigan Manufacturers Association

Member, West Michigan Sustainable Business Forum

Member, Grand Rapids Young Professionals

PROFILE OF PROFESSIONAL ACTIVITIES

Phase I/II Environmental Site Assessments and Compliance Analysis

- Preparation of Phase I/II Environmental Site Assessments in support of acquisition/divestiture for various properties in Michigan, Indiana, Ohio, Wisconsin, Illinois, Virginia, New York, Hawaii, Oregon, Missouri, Maryland and California, including the following: various residential properties,

various vacant/undeveloped properties, hospital, furniture distribution center, light manufacturing facility, alcohol blending and bottling facility, warehouses, former and current automotive dealerships, railroad tracks, petroleum distribution center, induction heating system manufacturing facility, inactive fertilizer plant, silk screening facility, hybrid corn seed laboratory, metal scrap processing facilities, office/commercial facilities, cardboard manufacturing facility, metal forging facilities, school administrative building and bus maintenance garage, various automotive manufacturing facilities, flour mill, and commercial bakeries and warehouses

- Project manager for Phase I through IV projects for various automotive dealerships and vacant commercial and industrial properties across the United States, including review and application of federal, state, and local level regulations. Phase III projects included delineation of impacted soil and/or groundwater at various locations. Phase IV projects included: mold assessment, abatement, and facility restoration, asbestos assessment, abatement, and facility restoration, lead paint assessment, abatement, and facility restoration, in-ground lift removal and draining and decommissioning, and oil/water separator inspection and/or removal and replacement.
- Preparation of a Self Conducted Environmental Compliance Survey for a manufacturing facility located in Saginaw, Michigan, including the research of relevant site-specific local, state, and federal regulations and the preparation of site-specific, regulated area specific questionnaires for survey report
- Preparation of Michigan Environmental Legislation Training for three manufacturing facilities located in Port Huron, Sterling Heights, and Warren, Michigan, including the research of relevant site-specific local, state, and federal regulations and preparation of presentation illustrating an overview of applicable regulations and the requirements therefrom

CERCLA and Michigan Act 451, Part 201

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

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

- Project Engineer responsible for the preparation and submittal of Site Assessment Reports to the MDEQ for USTs containing gasoline and hydraulic oil at a scrap metal recycling facility in Pontiac, Michigan
- Project Engineer responsible for the preparation of LUST Closure Reports to the MDEQ for LUSTs containing gasoline and waste oil at a scrap metal recycling facility in Pontiac, Michigan
- Project Engineer responsible for the preparation of Work Plans and proposals for the removal and/or upgrade of various UST systems located in Michigan
- Project Manager for O & M activities and remedial alternatives review for a LUST in Greenbrook, New Jersey
- Project Engineer responsible for the preparation of Initial Site Characterization Report and Corrective Action Plan for submittal to the IDEM for a LUST containing gasoline at an industrial manufacturing facility located in Anderson, Indiana

Industrial/Commercial Facilities

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

JEANNE PIERCEY, M.A.SC., PE

EDUCATION

M.A.Sc.	Memorial University of Newfoundland, Environmental Engineering, 1997
B.Sc.	Memorial University of Newfoundland, Chemistry (major) and Math (minor), 1996
Other Courses:	Infant First Aid and CPR Training, February 2005
	8-Hour OSHA Refresher Training, February 2005
	RCRA Training, April 2004
	DOT Training, April 2004
	Mobile Equipment Safety, April 2004
	CRA Project Management Training, February 2004
	Driving Safety, January 2004
	Ergonomics for Computer Users, January 2004
	8-Hour OSHA Refresher Training, January 2004
	WHMIS/Hazard Communication, February 2003
	8-Hour OSHA Refresher Training, February 2003
	ASTM Risk Based Corrective Action Training for Petroleum Release Sites, October 2002
	Evaluating Subsurface Vapor Intrusion Intro Buildings, October 2002
	New Rules for the Michigan Remedial Action Program, October 2002
	Environmental Chemistry Symposium, May 2002
	8-Hour OSHA Refresher Training, January 2002
	Phase I ESA Training, March 2001
	8-Hour OSHA Refresher Training, January 2001
	Snow Management and Deicing, October 2000
	Phase I ESA Training, March 2000
	8-Hour OSHA Refresher Training, January 2000
	Safety Oriented First Aid, April 1999
	Risk Based Corrective Action Training, December 1998
	Bioremediation in Cold Climates Training, October 1998
	Canadian Petroleum Institute First Response Training, September 1998
	8-Hour OSHA Refresher Training, May 1998
	40-Hour OSHA Training, May 1997

EMPLOYMENT

1999-Present	Project Manager/Coordinator/Engineer Conestoga-Rovers & Associates
1999	Ecologist, Newfoundland and Labrador Hydro
1997-99	Environment Officer, Government of Newfoundland and Labrador

1997 Engineering Assistant, Varcon Inc.

AFFILIATIONS

Board of Professional Engineers Michigan (License #6201050376)

PROFILE OF PROFESSIONAL ACTIVITIES

Environmental Due Diligence

- Completed/managed environmental due diligence (Phase I, II ESAs/ECAs) activities at various facilities in Canada and United States
- Prepared Baseline Environmental Assessments (BEAs)
- Co-ordinated Geophysical Surveys, which were completed to support UST location determination
- Co-ordinated ACM surveys
- Co-ordinated Wetland Surveys

Environmental Site Investigation/Monitoring

- Prepare Sampling and Analysis Plans
- Prepare Health and Safety Plans
- Supervise drilling and monitoring activities
- Evaluate fill material from an industrial site deposited at a residential home
- Evaluate spills from Leaking Underground Storage Tanks (LUSTs) and perform remediations in accordance with regulations
- Perform sodium azide screening and sampling
- Determine if materials containing elevated radiation levels are Naturally Occurring Radioactive Material (NORM)
- Evaluate elevated Radon readings
- Evaluate residential water wells and septic systems
- Compare chemical monitoring data to regulatory criteria, and perform statistical analysis of data, if necessary
- Develop and interpret groundwater contour maps for chemical concentrations or potentiometric surfaces
- Develop 3-D visualization of stratigraphic surfaces to support contaminant fate and transport
- Draft quarterly and annual monitoring reports for submission to agencies
- Summarize leachate collection activities and submit reports to government agencies

Environmental Emergency Response Planning

- Prepare Integrated Contingency Plans including SPCC, RCRA, PIP, and SARA
- Prepare Due Care Plans

- Prepare Environmental Contingency Plans
- Prepare Site Security Plans
- Assess secondary containment requirements for material storage and handling facilities
- Participate in corporate team who tracks regulatory revisions to SPCC, RCRA, PIP, and SARA

Environmental Litigation Support

- Provided technical environmental litigation support for various projects:
  - Historic auto manufacturing Plant in Oakland, California
  - Historic auto manufacturing plant in Southgate, California
  - Oil Reclamation Plant in Charlotte, North Carolina
  - Pelletizing/Metal Recycling Plant in Marquette County, Michigan
  - Oil Reclamation Plant in Detroit, Michigan
  - Chemical Manufacturing Plant in Niagara Falls, New York
  - Metal Fabrication Plant in Kalamazoo, Michigan
  - Residential Neighborhood (impacted by petroleum release), in Milford, Michigan
  - Residential Neighborhood (elevated levels of sodium and chloride) in Milford, Michigan

Environmental Waste Management

- Complete waste characterization sampling and analysis plans
- Prepare Removal Action Plans
- Inventory and sample waste (including compatibility and disposal characterization analyses)
- Interpret waste characterization analytical data for appropriate disposal
- Critique methods and costs for waste characterization, removal and disposal
- Design staging areas and implement decontamination procedures
- Co-ordinate off-Site transportation
- Compile aerial photograph repository to assist with the creation of historical timeline for waste disposal practices
- Co-ordinate the characterization of paint sludge to determine timeframe for waste disposal based on paint chemical composition

Salt Management/Reduction

- Prepare Salt Management Plans
- Evaluate state of the art salt reduction methods:
  - snow removal procedures (anti-icing, pre-wetting, sweepers, rubber blades, salt spreader controls, configurations and application rates)
  - non-chloride alternatives
  - weather monitoring
  - road surface condition monitoring
  - salt usage tracking/documentation

- road prioritization
- education and training
- salt containment
- environmental impact monitoring

Drinking Water Treatment

- Evaluate potable water supply alternatives
- Perform Total Dissolved Solids (TDS) balance

Brownfield Redevelopment

- Prepare environmental brochure to document corporate expertise and strategic approaches
- Prepare Brownfield Work Plans in support applying for State funding
- Manage environmental activities in accordance with Federal and State Law while supporting redevelopment

Enforcement

- Responded to environmental emergencies and regulated remediation
- Examined water treatment plant effluent to ensure compliance
- Modeled air quality data to ensure compliance
- Enforced provincial environment legislation
- Inspected petroleum and PCB storage sites, waste disposal sites, farms, sawmills, fish plants, asphalt plants, and salvage yards for compliance with regulatory requirements

Laboratory Analysis

- Analyzed water and petroleum products
- Supervised QA/QC programs

Other Environmental Activities

- Prepare Statements of Qualifications
- Conducted caribou surveys and developed mitigation programs
- Monitored and assessed fish migratory patterns and mercury content

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

EDUCATION

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

EMPLOYMENT

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

PROFILE OF PROFESSIONAL ACTIVITIES

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

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

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

Environmental Assessments/Audits

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

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

Remedial Designs or Remedial Construction Supervision

- Served as Project Manager for the design and/or construction of the following remedial actions:
  - Groundwater collection tile, extraction, and VOC treatment system - (NPL site) New Brighton, Minnesota
  - Extraction well and VOC treatment system - (NPL site) New Brighton, Minnesota
  - 2,900 GPM groundwater extraction, VOC treatment and recharge system - (NPL site) New Brighton, Minnesota
  - Excavation and on-site contained storage of 12,000 tons of PCB contaminated soil - (NPL site) New Brighton, Minnesota
  - Groundwater Extraction and Discharge System - New Brighton, Minnesota
  - Excavation and off-site disposal of metals contaminated soils - New Brighton, Minnesota
  - Decontamination and off-site disposal of PCB equipment and oils - New Brighton, Minnesota
  - Decontamination of PCB contaminated plant areas - Lafayette, Indiana
  - Excavation and off-site disposal of over 100,000 tons of organics contaminated soil (NPL site) - New Jersey
  - Industrial sewer cleaning and sludge handling project involving VOCs, PCBs and metals - (NPL site) New Brighton, Minnesota
  - Excavation and off-site disposal of lead contaminated soils - Minneapolis, Minnesota
  - PCB soil contamination site - Iowa
  - Soil vapor extraction system for VOC removal - Wisconsin
  - Air sparging system for VOC removal - Minnesota
  - VOC air stripping water treatment system - New Jersey
  - Excavation, on-site separation and off-site disposal of contaminated soils - Fridley, Minnesota
  - Soil vapor extraction system for VOC removal - Germany
  - Wastewater lagoon closure - Michigan

Environmental Compliance at Industrial Facilities

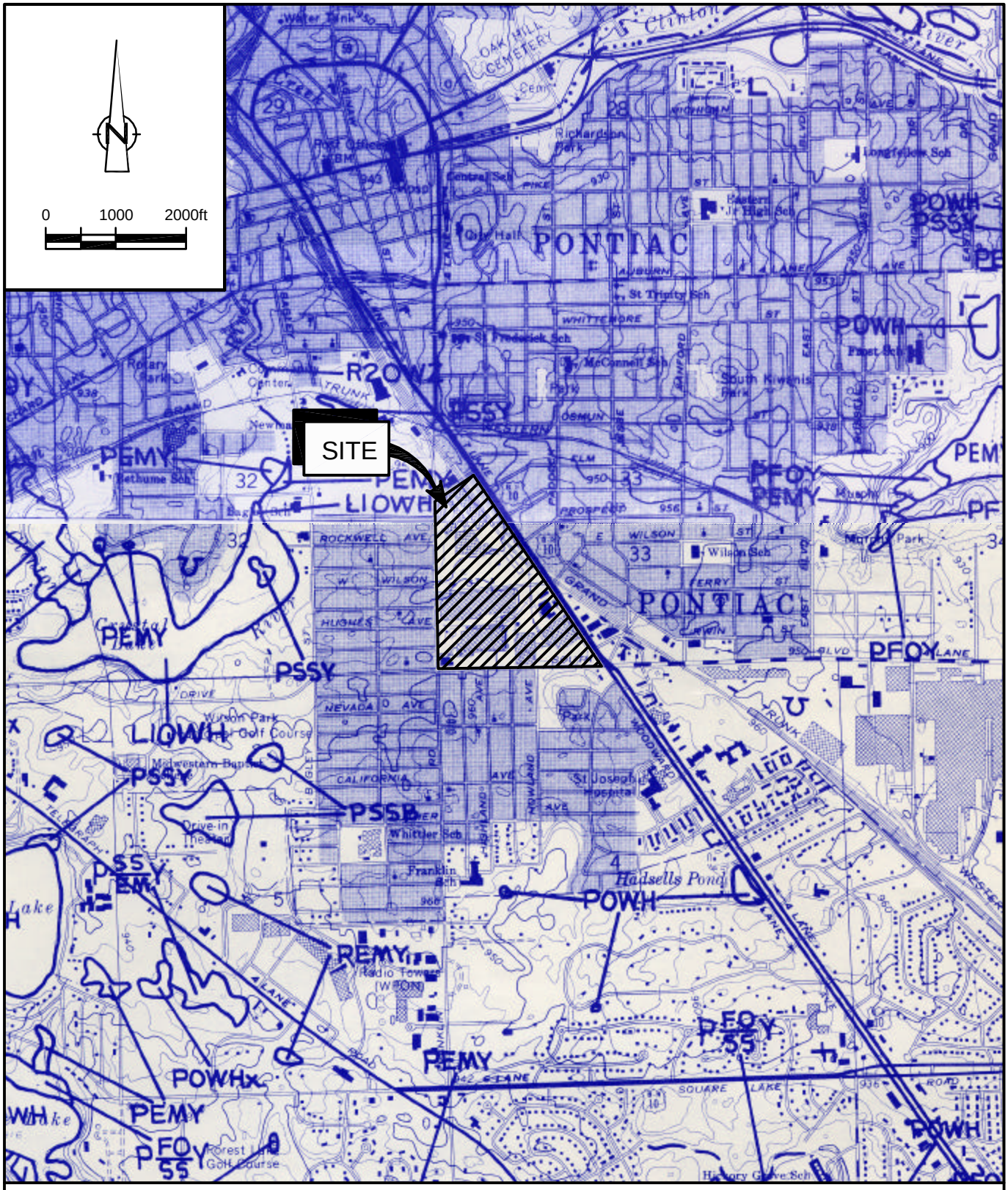
- Responsible for environmental compliance at multi-facility division of Honeywell, Inc. including:
  - Prepared permit applications for hazardous waste treatment and storage facilities
  - Developed in-plant hazardous waste management procedures for division
  - Developed RCRA training programs for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

Technical Support for Litigation and Administrative Orders

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

APPENDIX B

NATIONAL WETLANDS INVENTORY MAP



SOURCE: NATIONAL WETLANDS INVENTORY MAP
PONTIAC NORTH & SOUTH, MICHIGAN



NATIONAL WETLANDS INVENTORY MAP
PONTIAC CENTERPOINT CAMPUS
-VALIDATION CENTER
Pontiac, Michigan

17322-00(001)GN-DE002 OCT 18/2006

APPENDIX C

LOCAL ZONING PLANS

Zoning Map
City of Pontiac, MI

Legend

Zoning

- C-O Office Business
- C-1 Local Business
- C-2 Central Business
- C-3 Fringe C.B.D and Thoroughfare Frontage Business
- Town Center
- C-C Civic Center
- GOT Government Office Technical District
- IP-1 Industrial Park
- M-1 Light Manufacturing
- M-2 Heavy Manufacturing
- MUD Mixed Use District
- P-1 Parking
- R-O Recreation Open Space
- R1A Medium Lot One Family Dwelling
- R1B Large Lot One Family Dwelling
- R-1 One Family Dwelling
- R-2 Two Family and Terrace Family Dwelling
- R-3 Multiple Family Dwelling
- R-4 Multiple Family Dwelling Elevator Apartment
- R-5 Trailer Coach Park
- Lakes

2

0 0.15 0.3 0.6 Miles

Ordinance No. 944-72 as amended.
Adopted: December 20, 1938
Amended: August 26, 2005

APPENDIX D

DATABASE SEARCH RESULTS

EDR DataMap® Area Study

17322-Pontiac, MI
Pontiac, MI 48341

July 07, 2006

Inquiry number 01706609.1r

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

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

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).

TARGET PROPERTY INFORMATION

ADDRESS

PONTIAC, MI 48341
PONTIAC, MI 48341

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL RECOVERY	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS	Contaminated Sites
SWF/LF	Solid Waste Facilities Database
PEAS	Pollution Emergency Alerting System
AUL	Engineering and Institutional Controls

EXECUTIVE SUMMARY

DRYCLEANERS ..... Drycleaning Establishments
BROWNFIELDS ..... Brownfields and USTfield Site Database

TRIBAL RECORDS

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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 RECORDS

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

A review of the CERC-NFRAP list, as provided by EDR, and dated 02/01/2006 has revealed that there is 1 CERC-NFRAP site within the searched area.

Site	Address	Map ID	Page
PONTIAC MEDICAL ASSOCIATES MER	44696 WOODWARD	21	52

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

A review of the CORRACTS list, as provided by EDR, and dated 03/15/2006 has revealed that there is 1 CORRACTS site within the searched area.

Site	Address	Map ID	Page
GENERAL MOTORS CORPORATION	***200 SOUTH BOULEVARD***	***16***	***38***

EXECUTIVE SUMMARY

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-TSDF list, as provided by EDR, and dated 03/09/2006 has revealed that there is 1 RCRA-TSDF site within the searched area.

Site	Address	Map ID	Page
GENERAL MOTORS CORPORATION	***200 SOUTH BOULEVARD***	***16***	***38***

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-LQG list, as provided by EDR, and dated 03/09/2006 has revealed that there are 4 RCRA-LQG sites within the searched area.

Site	Address	Map ID	Page
AKZO NOBEL COATINGS INC	***30 BRUSH ST***	***3***	***16***
AKZO NOBEL COATINGS INC	***27 BRUSH ST***	***3***	***18***
AKZO NOBEL COATINGS INC	***25 BRUSH ST***	***5***	***19***
GENERAL MOTORS CORPORATION	***200 SOUTH BOULEVARD***	***16***	***38***

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 03/09/2006 has revealed that there are

16 RCRA-SQG sites within the searched area.

Site	Address	Map ID	Page
EPOXI TECH	***8 BRUSH ST***	***3***	***17***
INDUSTRIAL VEHICLE SALES	***45896 WOODWARD***	***4***	***19***
WOODWARD MOTOR MALL INC	45751 WOODWARD AVE	7	23
CONSUMERS ENERGY - FRANKLIN SU	***68 W WILSON ST***	***10***	***25***
GMC TRUCK & COACH DIV PONTIAC	***275 FRANKLIN ST***	***11***	***26***
JEROME ARNOLD CADILLAC	***675 S SAGINAW***	***13***	***27***
CRESTVIEW CADILLAC - SUBARU	***675 S SAGINAW***	***13***	***27***
DETROIT EDISON CO	***761 S WOODWARD***	***16***	***37***
DETROIT EDISON CO	761 S WOODWARD	16	37
MINIT LUBE 1274	***714 WOODWARD***	***16***	***38***
MULT A FRAME CORP	***366 S BLVD E***	***19***	***51***
ARNOLD JEROME CADILLAC SUBARU	***815 WOODWARD AVE***	***20***	***51***
INTERNATIONAL TRANSMISSION COM	44800 WOODWARD AVE	20	51
MEDICAL ASSOCIATES INC	44656 WOODWARD AVE	21	52
AUTO CLINIC	44732 WOODWARD AVE	21	52
ST JOSEPH MERCY HOSPITAL / OAK	***44405 WOODWARD AVE***	***22***	***53***

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 12/31/2005 has revealed that there are 5 ERNS sites within the searched area.

Site	Address	Map ID	Page
600 SOUTH SAGINAW	600 SOUTH SAGINAW	10	25
600 SOUTH SAGINAW	600 SOUTH SAGINAW	10	25
600 SOUTH SAGINAW	600 SOUTH SAGINAW	10	25
600 SOUTH SAGINAW	600 SOUTH SAGINAW	10	26
600 SOUTH SAGINAW	600 SOUTH SAGINAW	10	26

TRIS: The Toxic Chemical Release Inventory System identifies facilities that release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III, Section 313. The source of this database is the U.S. EPA.

A review of the TRIS list, as provided by EDR, and dated 12/31/2003 has revealed that there are 2 TRIS sites within the searched area.

Site	Address	Map ID	Page
AKZO NOBEL COATINGS INC	***30 BRUSH ST***	***3***	***16***
AKZO NOBEL COATINGS INC	***27 BRUSH ST***	***3***	***18***

EXECUTIVE SUMMARY

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 04/27/2006 has revealed that there are 15 FINDS sites within the searched area.

Site	Address	Map ID	Page
AKZO NOBEL COATINGS INC	***30 BRUSH ST***	***3***	***16***
EPOXI TECH	***8 BRUSH ST***	***3***	***17***
INDUSTRIAL VEHICLE SALES	***45896 WOODWARD***	***4***	***19***
AKZO NOBEL COATINGS INC	***25 BRUSH ST***	***5***	***19***
WOODWARD MOTOR MALL INC	45751 WOODWARD AVE	7	23
CONSUMERS ENERGY - FRANKLIN SU	***68 W WILSON ST***	***10***	***25***
GMC TRUCK & COACH DIV PONTIAC	***275 FRANKLIN ST***	***11***	***26***
JEROME ARNOLD CADILLAC	***675 S SAGINAW***	***13***	***27***
CRESTVIEW CADILLAC - SUBARU	***675 S SAGINAW***	***13***	***27***
DETROIT EDISON CO	***761 S WOODWARD***	***16***	***37***
MINIT LUBE 1274	***714 WOODWARD***	***16***	***38***
GENERAL MOTORS CORPORATION	***200 SOUTH BOULEVARD***	***16***	***38***
MULT A FRAME CORP	***366 S BLVD E***	***19***	***51***
ARNOLD JEROME CADILLAC SUBARU	***815 WOODWARD AVE***	***20***	***51***
ST JOSEPH MERCY HOSPITAL / OAK	***44405 WOODWARD AVE***	***22***	***53***

STATE AND LOCAL RECORDS

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 05/30/2006 has revealed that there is 1 DEL SHWS site within the searched area.

Site	Address	Map ID	Page
HOWLAND & LUTHER STREETS	HOWLAND / LUTHER	24	60

HIST LF: The database contains historical information and is no longer updated..

A review of the HIST LF list, as provided by EDR, and dated 03/01/1997 has revealed that there is 1 HIST LF site within the searched area.

Site	Address	Map ID	Page
ANKERSON RESOURCE SYSTEMS INC	400 SOUTH BLVD E	15	36

EXECUTIVE SUMMARY

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 03/13/2006 has revealed that there are 8 LUST sites within the searched area.

Site	Address	Map ID	Page
GM TRUCK & BUS EAST Facility Status: Closed	31 E JUDSON ST	1	3
DEPARTMENT OF PUBLIC WORKS Facility Status: Open Facility Status: Open	***55 WESSON ST***	***2***	***3***
ANDERSON COMPANIES WAREDHOUSE Facility Status: Open	***37 TURK ST***	***6***	***21***
PONTIAC FUEL INC Facility Status: Open	***45054 WOODWARD RD***	***14***	***27***
GAUKLER STORAGE CO Facility Status: Closed	***400 SOUTH BLVD E***	***15***	***34***
PONTIAC STATION #2 PONTIAC FIR Facility Status: Open	***348 SOUTH BLVD W***	***18***	***50***
ST JOSEPH MERCY HOSPITAL / OAK Facility Status: Closed Facility Status: Closed	***44405 WOODWARD AVE***	***22***	***53***
TRUCK CENTER Facility Status: Open	***554 FRANKLIN RD***	***23***	***58***

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 03/13/2006 has revealed that there are 9 UST sites within the searched area.

Site	Address	Map ID	Page
DEPARTMENT OF PUBLIC WORKS	***55 WESSON ST***	***2***	***3***
ANDERSON COMPANIES WAREDHOUSE	***37 TURK ST***	***6***	***21***
LOWRY TIRE CO	370 SOUTH SAGINAW	6	22
PONTIAC FUEL INC	***45054 WOODWARD RD***	***14***	***27***
GAUKLER STORAGE CO	***400 SOUTH BLVD E***	***15***	***34***
MINIT-LUBE	714 WOODWARD	16	37
PONTIAC STATION #2 PONTIAC FIR	***348 SOUTH BLVD W***	***18***	***50***
ST JOSEPH MERCY HOSPITAL / OAK	***44405 WOODWARD AVE***	***22***	***53***
TRUCK CENTER	***554 FRANKLIN RD***	***23***	***58***

EXECUTIVE SUMMARY

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Natural Resources' Michigan AST database.

A review of the AST list, as provided by EDR, and dated 03/23/2006 has revealed that there are 3 AST sites within the searched area.

Site	Address	Map ID	Page
PONTIAC NORTH BRUSH	30 BRUSH ST	3	9
EASTERN OIL	590 S PADDOCK ST	9	24
GM - PONTIAC CENTERPOINTE CAMP	200 SOUTH BLVD WEST	17	44

AIRS: Permit and emissions inventory data.

A review of the AIRS list, as provided by EDR, and dated 05/01/2006 has revealed that there is 1 AIRS site within the searched area.

Site	Address	Map ID	Page
GMC PONTIAC CENTERPOINT CAMPUS	200 SOUTH BOULEVARD WES	17	45

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 03/16/2006 has revealed that there are 5 BEA sites within the searched area.

Site	Address	Map ID	Page
R. A. MILLER HOLDING, LLC	37 TURK	6	22
PARTS PACKAGING	391 E. WILSON AVENUE	8	23
A & M PROPERTIES	303 HARRISON	12	26
HEAT TREAT SERVICES, INC.	245 SOUTH BOULEVARD	16	44
LIGHT INDUSTRIAL BUILDING	554 FRANKLIN ROAD	23	60

EDR PROPRIETARY RECORDS

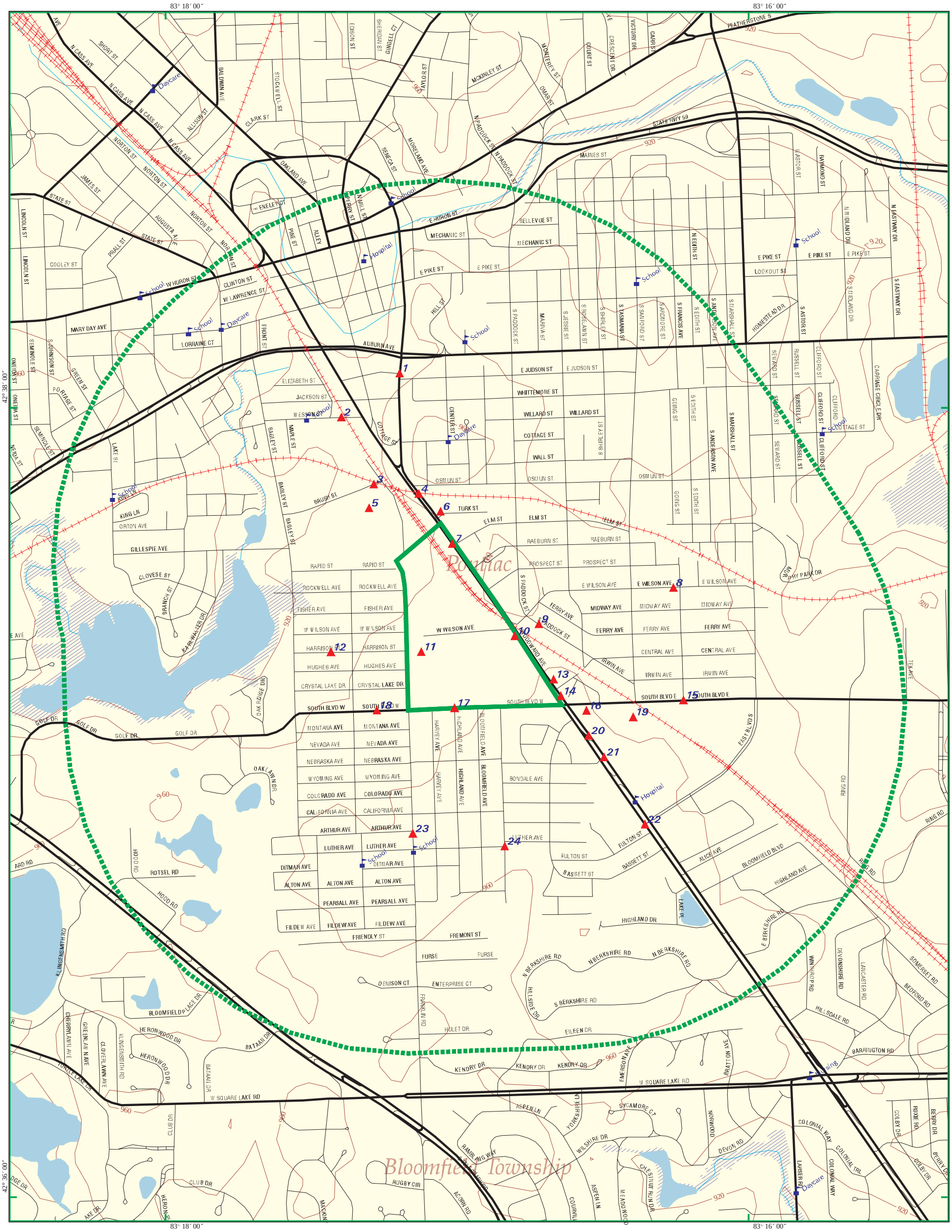
EDR Manufactured Gas Plants: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and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

A review of the Manufactured Gas Plants list, as provided by EDR, has revealed that there is 1 Manufactured Gas Plants site within the searched area.

Site	Address	Map ID	Page
CITY GAS WORKS	55 WESSEN STREET	2	3

EXECUTIVE SUMMARY

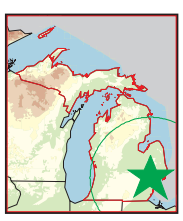
Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.



EDR DataMap® – Area Study

17322-Pontiac, MI

EDR® Environmental Data Resources Inc



Pontiac, MI

- Listed Sites
- Earthquake Epicenters (Richter 5 or greater)
- Search Boundary
- Roads
- Major Roads
- Waterways
- Railroads
- Contour Lines
- Pipelines
- Powerlines
- Fault Lines
- Water
- Superfund Sites
- Federal DOD Sites
- Indian Reservations BIA
- 100-Yr Flood Zones

N

0 1/8 1/4

Scale in Miles

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01706609.1r - 07 Jul 06

MAP FINDINGS SUMMARY

Database	Total Plotted
FEDERAL RECORDS	
NPL	0
Proposed NPL	0
Delisted NPL	0
NPL RECOVERY	0
CERCLIS	0
CERC-NFRAP	1
CORRACTS	1
RCRA TSD	1
RCRA Lg. Quan. Gen.	4
RCRA Sm. Quan. Gen.	16
ERNS	5
HMIRS	0
US ENG CONTROLS	0
US INST CONTROL	0
DOD	0
FUDS	0
US BROWNFIELDS	0
CONSENT	0
ROD	0
UMTRA	0
ODI	0
TRIS	2
TSCA	0
FTTS	0
SSTS	0
ICIS	0
PADS	0
MLTS	0
MINES	0
FINDS	15
RAATS	0
STATE AND LOCAL RECORDS	
State Haz. Waste	0
DEL SHWS	1
State Landfill	0
HIST LF	1
LUST	8
UST	9
AST	3
PEAS	0
AUL	0
DRYCLEANERS	0
BROWNFIELDS	0
AIRS	1
BEA	5
TRIBAL RECORDS	
INDIAN RESERV	0

MAP FINDINGS SUMMARY

Database	Total Plotted
INDIAN UST	0
EDR PROPRIETARY RECORDS	
Manufactured Gas Plants	1

NOTES:

Sites may be listed in more than one database

1 **GM TRUCK & BUS EAST** **LUST** **S102726265**
31 E JUDSON ST **N/A**
PONTIAC, MI 48342

LUST:

Facility ID:	50001534
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
Leak Number:	C-0677-85
Site Name :	GM Truck & Bus - East
Substance Released	Not reported

---

2 **CITY GAS WORKS** **Manufactured Gas Plants** **1008408145**
55 WESSEN STREET **N/A**
PONTIAC, MI 48341

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

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2 **DEPARTMENT OF PUBLIC WORKS** **LUST** **U000262872**
55 WESSON ST **UST** **N/A**
PONTIAC, MI 48341

LUST:

Facility ID:	00009573
Release Date:	Mar 2 1992
Facility Status:	**Open**
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
Leak Number:	C-0330-92
Site Name :	Department Of Public Works
Substance Released	Diesel

Facility ID:	00009573
Release Date:	Jul 2 1999
Facility Status:	**Open**
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

DEPARTMENT OF PUBLIC WORKS (Continued) **U000262872**

Country : USA
Owner Phone : (248) 857-7746
Leak Number: C-0659-99
Site Name : Department Of Public Works
Substance Released Unknown

UST:
Facility ID: 00009573
Facility Status: ACTIVE
Tank ID: 5
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: Used Oil
Capacity: 15000
Tank Status: Removed from Ground
Remove Date: Jan 1 1987
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: AL Bradley
Contact Phone: (248) 857-7725
Impressed Device: No
Install Date: Apr 17 1961
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00009573
Facility Status: ACTIVE
Tank ID: 13
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: COAL-TAR
Capacity: 160000
Tank Status: Removed from Ground
Remove Date: May 23 1991
Constr Material: Concrete
Piping Material: Unknown
Piping Type: Not reported
Contact: AL Bradley
Contact Phone: (248) 857-7725
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00009573
Facility Status: ACTIVE
Tank ID: 9

DEPARTMENT OF PUBLIC WORKS (Continued) **U000262872**

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: Diesel
Capacity: 15000
Tank Status: Removed from Ground
Remove Date: Mar 1 1992
Constr Material: Cathodically Protected Steel
Piping Material: Cathodically Protected
Piping Type: Not reported
Contact: AL Bradley
Contact Phone: (248) 857-7725
Impressed Device: No
Install Date: Apr 17 1976
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00009573
Facility Status: ACTIVE
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: Used Oil
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Jan 1 1987
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: AL Bradley
Contact Phone: (248) 857-7725
Impressed Device: No
Install Date: Apr 17 1968
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00009573
Facility Status: ACTIVE
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: OIL
Capacity: 1000
Tank Status: Removed from Ground

DEPARTMENT OF PUBLIC WORKS (Continued) **U000262872**

Remove Date: Jan 1 1981
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: AL Bradley
Contact Phone: (248) 857-7725
Impressed Device: No
Install Date: Apr 17 1968
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00009573
Facility Status: ACTIVE
Tank ID: 7
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: Removed from Ground
Remove Date: May 1 1987
Constr Material: Asphalt Coated or Bare Steel,Lined Interier
Piping Material: Unknown
Piping Type: Not reported
Contact: AL Bradley
Contact Phone: (248) 857-7725
Impressed Device: No
Install Date: Apr 17 1968
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00009573
Facility Status: ACTIVE
Tank ID: 3
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: OIL
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Jan 1 1981
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: AL Bradley
Contact Phone: (248) 857-7725
Impressed Device: No
Install Date: Apr 17 1968
Release Detection:

DEPARTMENT OF PUBLIC WORKS (Continued) **U000262872**

Tank: Not reported
Pipe: Not reported

Facility ID: 00009573
Facility Status: ACTIVE
Tank ID: 11
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: 12000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Cathodically Protected Steel
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: AL Bradley
Contact Phone: (248) 857-7725
Impressed Device: No
Install Date: Apr 17 1986
Release Detection:
Tank: Automatic Tank Gauging
Pipe: Automatic Line Leak Detectors

Facility ID: 00009573
Facility Status: ACTIVE
Tank ID: 8
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: 6000
Tank Status: Removed from Ground
Remove Date: May 1 1987
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: AL Bradley
Contact Phone: (248) 857-7725
Impressed Device: No
Install Date: Apr 17 1968
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00009573
Facility Status: ACTIVE
Tank ID: 12
Owner: City of Pontiac
Owner Country: USA
Owner Contact: Not reported

DEPARTMENT OF PUBLIC WORKS (Continued) **U000262872**

Owner Address: 55 Wesson St
Pontiac, MI 48341
Owner Phone: (248) 857-7746
Product: Gasoline
Capacity: 12000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Cathodically Protected Steel
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: AL Bradley
Contact Phone: (248) 857-7725
Impressed Device: No
Install Date: Apr 17 1986
Release Detection:
Tank: Automatic Tank Gauging
Pipe: Automatic Line Leak Detectors

Facility ID: 00009573
Facility Status: ACTIVE
Tank ID: 4
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: Used Oil
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Jan 1 1983
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: AL Bradley
Contact Phone: (248) 857-7725
Impressed Device: No
Install Date: Apr 17 1961
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00009573
Facility Status: ACTIVE
Tank ID: 6
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: 20000
Tank Status: Removed from Ground
Remove Date: May 1 1987
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown

DEPARTMENT OF PUBLIC WORKS (Continued) **U000262872**

Piping Type: Not reported
Contact: AL Bradley
Contact Phone: (248) 857-7725
Impressed Device: No
Install Date: Apr 17 1968
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00009573
Facility Status: ACTIVE
Tank ID: 10
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: Used Oil
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Apr 26 1999
Constr Material: BUFFALO STI-P3,Cathodically Protected Steel
Piping Material: Cathodically Protected
Piping Type: Not reported
Contact: AL Bradley
Contact Phone: (248) 857-7725
Impressed Device: No
Install Date: Apr 17 1986
Release Detection:
Tank: Not reported
Pipe: Not reported

---

3 **PONTIAC NORTH BRUSH** **AST** **A100249637**
30 BRUSH ST **N/A**
PONTIAC, MI 48341

AST:
Facility ID: 91063136
Tank ID: 73
Type: ACTIVE
Tank Status: Currently In Use
Content: Hazardous Substance
Capacity: 6700
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Not reported
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 74
Type: ACTIVE
Tank Status: Currently In Use

PONTIAC NORTH BRUSH (Continued) **A100249637**

Content: 26-9079/RESIN
Capacity: 6700
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Not reported
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 76
Type: ACTIVE
Tank Status: Currently In Use
Content: FL-EPONOL L5525
Capacity: 6700
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Not reported
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 77
Type: ACTIVE
Tank Status: Currently In Use
Content: FL-21-1902 (HAPS FRE
Capacity: 6700
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Not reported
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 100
Type: ACTIVE
Tank Status: Removed from Premises
Content: FL-DIESEL FUEL #2
Capacity: 5000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported

PONTIAC NORTH BRUSH (Continued) **A100249637**

Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Dec 23 2004
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 101
Type: ACTIVE
Tank Status: Removed from Premises
Content: Hazardous Substance
Capacity: 20000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Dec 23 2004
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 102
Type: ACTIVE
Tank Status: Removed from Premises
Content: Hazardous Substance
Capacity: 20000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Dec 23 2004
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 103
Type: ACTIVE
Tank Status: Removed from Premises
Content: Hazardous Substance
Capacity: 20000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Dec 23 2004
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

PONTIAC NORTH BRUSH (Continued) **A100249637**

Facility ID: 91063136
Tank ID: 104
Type: ACTIVE
Tank Status: Removed from Premises
Content: Hazardous Substance
Capacity: 20000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Dec 23 2004
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 105
Type: ACTIVE
Tank Status: Removed from Premises
Content: Hazardous Substance
Capacity: 20000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Dec 23 2004
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 106
Type: ACTIVE
Tank Status: Removed from Premises
Content: Hazardous Substance
Capacity: 20000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Dec 23 2004
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 107
Type: ACTIVE
Tank Status: Removed from Premises
Content: Hazardous Substance

PONTIAC NORTH BRUSH (Continued) **A100249637**

Capacity: 20000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Dec 23 2004
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 108
Type: ACTIVE
Tank Status: Removed from Premises
Content: RECLAIMED/SOLVENT
Capacity: 20000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Oct 1 1996
Close Date: Dec 23 2004
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 109
Type: ACTIVE
Tank Status: Removed from Premises
Content: RECLAIMED/SOLVENT
Capacity: 20000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Dec 23 2004
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 110
Type: ACTIVE
Tank Status: Removed from Premises
Content: Hazardous Substance
Capacity: 20000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA

PONTIAC NORTH BRUSH (Continued) **A100249637**

District: SE Michigan District Office
Install Date: Not reported
Close Date: Dec 23 2004
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 111
Type: ACTIVE
Tank Status: Removed from Premises
Content: AROMATIC/150
Capacity: 20000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Dec 23 2004
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 112
Type: ACTIVE
Tank Status: Removed from Premises
Content: Hazardous Substance
Capacity: 8000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Dec 23 2004
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: 113
Type: ACTIVE
Tank Status: Removed from Premises
Content: FL-EXXSOL D80
Capacity: 8000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Dec 23 2004
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

PONTIAC NORTH BRUSH (Continued) **A100249637**

Facility ID:	91063136
Tank ID:	114
Type:	ACTIVE
Tank Status:	Removed from Premises
Content:	Hazardous Substance
Capacity:	6400
Owner:	Akzo Nobel Coatings Inc
Owner Address:	PO Box 669
	Bloomfield Hills, MI 48303
Owner Contact:	Not reported
Owner Country:	USA
District:	SE Michigan District Office
Install Date:	Not reported
Close Date:	Dec 23 2004
Facility Phone:	(248) 253-2481
Contact:	PETER ONYSKIN

Facility ID:	91063136
Tank ID:	115
Type:	ACTIVE
Tank Status:	Change in Service
Content:	ACRYLIC LATEX EMULSION
Capacity:	8000
Owner:	Akzo Nobel Coatings Inc
Owner Address:	PO Box 669
	Bloomfield Hills, MI 48303
Owner Contact:	Not reported
Owner Country:	USA
District:	SE Michigan District Office
Install Date:	Oct 1 1996
Close Date:	Jan 1 1985
Facility Phone:	(248) 253-2481
Contact:	PETER ONYSKIN

Facility ID:	91063136
Tank ID:	NRT-75
Type:	ACTIVE
Tank Status:	Currently In Use
Content:	CYMEL/303
Capacity:	6700
Owner:	Akzo Nobel Coatings Inc
Owner Address:	PO Box 669
	Bloomfield Hills, MI 48303
Owner Contact:	Not reported
Owner Country:	USA
District:	SE Michigan District Office
Install Date:	Not reported
Close Date:	Not reported
Facility Phone:	(248) 253-2481
Contact:	PETER ONYSKIN

Facility ID:	91063136
Tank ID:	NRT-116
Type:	ACTIVE
Tank Status:	Non-Registered Tank
Content:	LATEX EMULSION

PONTIAC NORTH BRUSH (Continued) **A100249637**

Capacity: 8000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Not reported
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

Facility ID: 91063136
Tank ID: NRT-117
Type: ACTIVE
Tank Status: Non-Registered Tank
Content: LATEX EMULSION
Capacity: 8000
Owner: Akzo Nobel Coatings Inc
Owner Address: PO Box 669
Bloomfield Hills, MI 48303
Owner Contact: Not reported
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Not reported
Facility Phone: (248) 253-2481
Contact: PETER ONYSKIN

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3 **AKZO NOBEL COATINGS INC** **FINDS** **1000310961**
30 BRUSH ST **RCRA-LQG** **48053KZCTN30**
PONTIAC, MI 48341 **TRIS**

RCRAInfo:
Owner: AKZO NOBEL COATINGS INC
EPA ID: MID000265207

Contact: PETER ONYSKIW
(248) 451-6175

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2003

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	203628.02	D007	5796.50
F003	18348.62	F005	653234.23

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/25/1985
Actual Date Achieved Compliance: 02/14/1986

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/25/1985
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance

AKZO NOBEL COATINGS INC (Continued) **1000310961**

Non-Financial Record Review GENERATOR-ALL REQUIREMENTS (OVERSIGHT) 19860214

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

RACT/BACT/LAER Clearinghouse (RBLC) data base contains case-specific information on the 'Best Available' air pollution technologies that have been required to reduce the emission of air pollutants from stationary sources (e.g., power plants, steel mills, chemical plants, etc.). This information has been provided by State and local permitting agencies. The Clearinghouse also contains a regulation data base that summarizes EPA emission limits required in New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP), and Maximum Achievable Control Technology (MACT) standards.

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

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

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3 **EPOXI TECH** **RCRA-SQG 1001817557**
8 BRUSH ST **FINDS MIR000042697**
PONTIAC, MI 48341

RCRAInfo:
Contact: SIMON PALUSHI
(248) 585-7500

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

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

3 **AKZO NOBEL COATINGS INC** **RCRA-LQG** **1000324805**
27 BRUSH ST **TRIS** **48341KZCTN25**
PONTIAC, MI 48341

RCRAInfo:
Owner: AKZO NOBEL COATINGS INC
EPA ID: MID985579895

Contact: RICHARD CALLEWAERT
(245) 451-6235

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2003

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	49682.57	D002	2293.58
F003	1287942.20	F005	1834.86

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-CONTAINER
Date Violation Determined: 08/17/2001
Actual Date Achieved Compliance: 09/07/2001

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/17/2001
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-OTHER REQUIREMENTS
Date Violation Determined: 09/27/1994
Actual Date Achieved Compliance: 02/01/1996

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/27/1994
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined: 09/27/1994
Actual Date Achieved Compliance: 02/01/1996

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/27/1994
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 09/27/1994
Actual Date Achieved Compliance: 02/01/1996

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/27/1994
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-OTHER REQUIREMENTS
Date Violation Determined: 09/21/1994
Actual Date Achieved Compliance: 01/31/2005

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/27/1994
Penalty Type: Not reported

AKZO NOBEL COATINGS INC (Continued) **1000324805**

There are 5 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-CONTAINER	20010907
Compliance Evaluation Inspection	GENERATOR-OTHER REQUIREMENTS	19960201
	GENERATOR-MANIFEST REQUIREMENTS	19960201
	GENERATOR-LAND BAN REQUIREMENTS	19960201
Compliance Evaluation Inspection	GENERATOR-OTHER REQUIREMENTS	20050131

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4 **INDUSTRIAL VEHICLE SALES** **RCRA-SQG 1000428262**
45896 WOODWARD **FINDS MID121517890**
PONTIAC, MI 48341

RCRAInfo:
Owner: ANDERSON ANDREW
EPA ID: MID121517890

Contact: GAIL HOGG
(248) 338-1590

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

Violation Status: No violations found

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

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5 **AKZO NOBEL COATINGS INC** **FINDS 1000310962**
25 BRUSH ST **RCRA-LQG MID000647024**
PONTIAC, MI 48341

RCRAInfo:
Owner: AKZO NOBEL COATINGS INC
EPA ID: MID000647024

Contact: JOHN LENORE
(248) 451-4574

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2003

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	140075.06	F003	42535.45
F005	16200.00		

AKZO NOBEL COATINGS INC (Continued) **1000310962**

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 08/13/2002
Actual Date Achieved Compliance: 01/21/2003

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/28/2002
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/30/1994
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-CONTAINER
Date Violation Determined: 08/14/2001
Actual Date Achieved Compliance: 09/12/2001

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/17/2001
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined: 09/30/1994
Actual Date Achieved Compliance: 02/01/1996

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/30/1994
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 09/30/1994
Actual Date Achieved Compliance: 02/01/1996

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/28/2002
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/30/1994
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-OTHER REQUIREMENTS
Date Violation Determined: 09/30/1994
Actual Date Achieved Compliance: 02/01/1996

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/30/1994
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-OTHER REQUIREMENTS
Date Violation Determined: 09/23/1994
Actual Date Achieved Compliance: 01/31/2005

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/30/1994
Penalty Type: Not reported

AKZO NOBEL COATINGS INC (Continued) **1000310962**

There are 6 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-RECORDKEEPING REQUIREMENTS	20030121
Compliance Evaluation Inspection	GENERATOR-CONTAINER	20010912
Compliance Evaluation Inspection	GENERATOR-MANIFEST REQUIREMENTS	19960201
	GENERATOR-LAND BAN REQUIREMENTS	19960201
	GENERATOR-OTHER REQUIREMENTS	19960201
Compliance Evaluation Inspection	GENERATOR-OTHER REQUIREMENTS	20050131

FINDS:

Other Pertinent Environmental Activity Identified at Site:

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RACT/BACT/LAER Clearinghouse (RBLC) data base contains case-specific information on the 'Best Available' air pollution technologies that have been required to reduce the emission of air pollutants from stationary sources (e.g., power plants, steel mills, chemical plants, etc.). This information has been provided by State and local permitting agencies. The Clearinghouse also contains a regulation data base that summarizes EPA emission limits required in New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP), and Maximum Achievable Control Technology (MACT) standards.

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

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

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6 **ANDERSON COMPANIES WAREDHOUSE** **LUST U002302754**
37 TURK ST **UST N/A**
PONTIAC, MI 48341

LUST:

Facility ID:	00038195
Release Date:	Sep 23 1994
Facility Status:	**Open**
District:	SE Michigan District Office
Closed Date:	Not reported
Owner Contact :	Not reported
Owner Name :	Andy Anderson
Owner Address :	1819 S Telegraph Rd Bloomfield Hills, MI 48302
Country :	USA
Owner Phone :	(248) 333-3200
Leak Number:	C-1007-94
Site Name :	Anderson Sales And Service
Substance Released :	Gasoline,Unknown

UST:

Facility ID:	00038195
Facility Status:	CLOSED
Tank ID:	1
Owner:	Andy Anderson
Owner Country:	USA
Owner Contact:	Not reported
Owner Address:	1819 S Telegraph Rd

ANDERSON COMPANIES WAREDHOUSE (Continued) **U002302754**

Bloomfield Hills, MI 48302
Owner Phone: (248) 333-3200
Product: Gasoline
Capacity: 4000
Tank Status: Removed from Ground
Remove Date: Sep 12 1994
Constr Material: Unknown
Piping Material: Unknown
Piping Type: Not reported
Contact: MARK HOVIS
Contact Phone: (248) 333-3200
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

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6 **R. A. MILLER HOLDING, LLC** **BEA** **S104912303**
37 TURK **N/A**
PONTIAC, MI 48341

BEA:
Petition Disclosure: 1
BEA Number: 922
District: Southeast MI
Date Received: 1999-06-11 00:00:00
Submitter Name: R.A. MILLER HOLDING, LLC
Petition Determination: Denied
Category: Same Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: thorntop
Division Assigned: Storage Tank Division
Secondary Address: Not reported

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6 **LOWRY TIRE CO** **UST** **U003321315**
370 SOUTH SAGINAW **N/A**
PONTIAC, MI 48053

UST:
Facility ID: 00008475
Facility Status: CLOSED
Tank ID: 1
Owner: Lowry Tire Co
Owner Country: USA
Owner Contact: Not reported
Owner Address: 370 S SAGINAW
PONTIAC, MI 48053
Owner Phone: (313) 335-6136
Product: Gasoline
Capacity: 2000
Tank Status: Removed from Ground
Remove Date: Feb 6 1991
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: JOHN LOWRY
Contact Phone: (313) 335-6136
Impressed Device: No

LOWRY TIRE CO (Continued) **U003321315**

Install Date: Apr 2 1978
Release Detection:
Tank: Not reported
Pipe: Not reported

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7 **WOODWARD MOTOR MALL INC** **RCRA-SQG** **1007880249**
45751 WOODWARD AVE **MIK544634124**
PONTIAC, MI 48341

RCRAInfo:
Owner: STARLAND CO
EPA ID: MIK544634124

Contact: WILLIAM DINGWALL
(248) 332-9700

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

Violation Status: No violations found

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7 **WOODWARD MOTOR MALL INC** **FINDS** **1007739128**
45751 WOODWARD AVE **110020477018**
PONTIAC, MI 48341

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

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8 **PARTS PACKAGING** **BEA** **S104910825**
391 E. WILSON AVENUE **N/A**
PONTIAC, MI 48341

BEA:
Petition Disclosure: 1
BEA Number: 286
District: Southeast MI
Date Received: 1997-03-11 00:00:00
Submitter Name: KALE HOLDINGS, L.L.C.
Petition Determination: Affirmed
Category: No Hazardous Substance(s)
Determination 20107A: Denied
Reviewer: berakr
Division Assigned: Environmental Response Division
Secondary Address: Not reported

9 **EASTERN OIL** **AST** **1001156259**
590 S PADDOCK ST **N/A**
PONTIAC, MI 48341

AST:

Facility ID:	91063068
Tank ID:	9
Type:	ACTIVE
Tank Status:	Currently In Use
Content:	Hazardous Substance
Capacity:	18000
Owner:	Eastern Oil
Owner Address:	590 S Paddock St Pontiac, MI 48341
Owner Contact:	Not reported
Owner Country:	USA
District:	SE Michigan District Office
Install Date:	Not reported
Close Date:	Not reported
Facility Phone:	(248) 333-1333
Contact:	MARV FERGUSON

Facility ID:	91063068
Tank ID:	10
Type:	ACTIVE
Tank Status:	Currently In Use
Content:	FL- DEISEL
Capacity:	18000
Owner:	Eastern Oil
Owner Address:	590 S Paddock St Pontiac, MI 48341
Owner Contact:	Not reported
Owner Country:	USA
District:	SE Michigan District Office
Install Date:	Not reported
Close Date:	Not reported
Facility Phone:	(248) 333-1333
Contact:	MARV FERGUSON

Facility ID:	91063068
Tank ID:	11
Type:	ACTIVE
Tank Status:	Currently In Use
Content:	FL- KEROSINE
Capacity:	18000
Owner:	Eastern Oil
Owner Address:	590 S Paddock St Pontiac, MI 48341
Owner Contact:	Not reported
Owner Country:	USA
District:	SE Michigan District Office
Install Date:	Aug 11 1992
Close Date:	Not reported
Facility Phone:	(248) 333-1333
Contact:	MARV FERGUSON

10 **CONSUMERS ENERGY - FRANKLIN SUBSTATION** **RCRA-SQG** **1000375564**
68 W WILSON ST **FINDS** **MID981954225**
PONTIAC, MI 48340

RCRAInfo:
Owner: NAME NOT REPORTED
EPA ID: MID981954225

Contact: WARD WILSON
(517) 788-1969

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

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

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10 **600 SOUTH SAGINAW** **ERNS** **91216136**
600 SOUTH SAGINAW **N/A**
PONTIAC, MI

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

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10 **600 SOUTH SAGINAW** **ERNS** **89100835**
600 SOUTH SAGINAW **N/A**
PONTIAC, MI

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

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10 **600 SOUTH SAGINAW** **ERNS** **92294480**
600 SOUTH SAGINAW **N/A**
PONTIAC, MI 48341

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

10 **600 SOUTH SAGINAW** **ERNS** **90175679**
600 SOUTH SAGINAW **N/A**
PONTIAC, MI

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

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10 **600 SOUTH SAGINAW** **ERNS** **93303974**
600 SOUTH SAGINAW **N/A**
PONTIAC, MI 48341

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

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11 **GMC TRUCK & COACH DIV PONTIAC WEST** **RCRA-SQG** **1000134881**
275 FRANKLIN ST **FINDS** **MIT270010127**
PONTIAC, MI 48341

RCRAInfo:
Contact: ENVIRONMENTAL COORDINATOR
(312) 555-1212

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

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

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12 **A & M PROPERTIES** **BEA** **S104911422**
303 HARRISON **N/A**
ROYAL OAK, MI

BEA:
Petition Disclosure: 0
BEA Number: 460
District: Southeast MI
Date Received: 1997-10-23 00:00:00
Submitter Name: A & M PROPERTIES
Petition Determination: No Request
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: temppm
Division Assigned: Storage Tank Division
Secondary Address: Not reported

13 **JEROME ARNOLD CADILLAC** **RCRA-SQG** **1000334597**
675 S SAGINAW **FINDS** **MID042429530**
PONTIAC, MI 48053

RCRAInfo:
Contact: MARSHALL PFAHLER
(313) 333-7021

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

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

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13 **CRESTVIEW CADILLAC - SUBARU** **RCRA-SQG** **1000390143**
675 S SAGINAW **FINDS** **MID981797483**
PONTIAC, MI 48341

RCRAInfo:
Contact: MICHAEL GOTHAM
(313) 333-7021

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

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

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14 **PONTIAC FUEL INC** **LUST** **U003322334**
45054 WOODWARD RD **UST** **N/A**
PONTIAC, MI 48341

LUST:
Facility ID: 00011837
Release Date: May 8 2003
Facility Status: **Open**
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Pontiac Fuel Inc
Owner Address : 45054 Woodward Rd
Pontiac, MI 48341
Country : USA
Owner Phone : 248-332-3549
Leak Number: C-0193-03
Site Name : Pontiac Fuel Stop Inc
Substance Released Gasoline,Gasoline,Gasoline,Gasoline,Diesel,Kerosene

PONTIAC FUEL INC (Continued) **U003322334**

UST:
Facility ID: 00011837
Facility Status: ACTIVE
Tank ID: 5
Owner: Pontiac Fuel Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45054 Woodward Rd
Pontiac, MI 48341
Owner Phone: 248-332-3549
Product: Gasoline,UNLEADED,8
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: May 1 1988
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: Mike Ajami
Contact Phone: (734) 332-3549
Impressed Device: No
Install Date: May 3 1967
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00011837
Facility Status: ACTIVE
Tank ID: B
Owner: Pontiac Fuel Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45054 Woodward Rd
Pontiac, MI 48341
Owner Phone: 248-332-3549
Product: Gasoline
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: May 6 2003
Constr Material: Lined Interior
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: Mike Ajami
Contact Phone: (734) 332-3549
Impressed Device: No
Install Date: Jun 14 1991
Release Detection:
Tank: Automatic Tank Gauging, Inventory Control
Pipe: Automatic Line Leak Detectors

Facility ID: 00011837
Facility Status: ACTIVE
Tank ID: 6
Owner: Pontiac Fuel Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45054 Woodward Rd
Pontiac, MI 48341

PONTIAC FUEL INC (Continued) **U003322334**

Owner Phone: 248-332-3549
Product: Kerosene,8
Capacity: 4000
Tank Status: Removed from Ground
Remove Date: May 1 1988
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: Mike Ajami
Contact Phone: (734) 332-3549
Impressed Device: No
Install Date: May 2 1961
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00011837
Facility Status: ACTIVE
Tank ID: 7
Owner: Pontiac Fuel Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45054 Woodward Rd
Pontiac, MI 48341
Owner Phone: 248-332-3549
Product: Gasoline
Capacity: 20000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Double Walled, Fiberglass Reinforced plastic
Piping Material: Double Walled, Flexible Piping
Piping Type: Pressure
Contact: Mike Ajami
Contact Phone: (734) 332-3549
Impressed Device: No
Install Date: May 9 2003
Release Detection:
Tank: Automatic Tank Gauging, Inter Monitoring Double Walled Tank, Inventory Control, Manual Tank Gauging
Pipe: Automatic Line Leak Detectors

Facility ID: 00011837
Facility Status: ACTIVE
Tank ID: A
Owner: Pontiac Fuel Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45054 Woodward Rd
Pontiac, MI 48341
Owner Phone: 248-332-3549
Product: Gasoline
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: May 6 2003
Constr Material: Lined Interior
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure

PONTIAC FUEL INC (Continued) **U003322334**

Contact: Mike Ajami
Contact Phone: (734) 332-3549
Impressed Device: No
Install Date: Jun 14 1991
Release Detection:
Tank: Automatic Tank Gauging, Inventory Control
Pipe: Automatic Line Leak Detectors

Facility ID: 00011837
Facility Status: ACTIVE
Tank ID: 4
Owner: Pontiac Fuel Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45054 Woodward Rd
Pontiac, MI 48341
Owner Phone: 248-332-3549
Product: Gasoline,REGULAR,8
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: May 1 1988
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: Mike Ajami
Contact Phone: (734) 332-3549
Impressed Device: No
Install Date: May 3 1967
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00011837
Facility Status: ACTIVE
Tank ID: D
Owner: Pontiac Fuel Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45054 Woodward Rd
Pontiac, MI 48341
Owner Phone: 248-332-3549
Product: Gasoline
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: May 6 2003
Constr Material: Lined Interior
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: Mike Ajami
Contact Phone: (734) 332-3549
Impressed Device: No
Install Date: Jun 14 1991
Release Detection:
Tank: Automatic Tank Gauging, Inventory Control
Pipe: Automatic Line Leak Detectors

Facility ID: 00011837

PONTIAC FUEL INC (Continued) **U003322334**

Facility Status: ACTIVE
Tank ID: 2
Owner: Pontiac Fuel Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45054 Woodward Rd
Pontiac, MI 48341
Owner Phone: 248-332-3549
Product: Gasoline,REGULAR,8
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: May 1 1988
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: Mike Ajami
Contact Phone: (734) 332-3549
Impressed Device: No
Install Date: May 3 1967
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00011837
Facility Status: ACTIVE
Tank ID: 3
Owner: Pontiac Fuel Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45054 Woodward Rd
Pontiac, MI 48341
Owner Phone: 248-332-3549
Product: Gasoline,REGULAR,8
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: May 1 1988
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: Mike Ajami
Contact Phone: (734) 332-3549
Impressed Device: No
Install Date: May 3 1967
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00011837
Facility Status: ACTIVE
Tank ID: E
Owner: Pontiac Fuel Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45054 Woodward Rd
Pontiac, MI 48341
Owner Phone: 248-332-3549
Product: Diesel

PONTIAC FUEL INC (Continued) **U003322334**

Capacity: 6000
Tank Status: Removed from Ground
Remove Date: May 6 2003
Constr Material: Lined Interior
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: Mike Ajami
Contact Phone: (734) 332-3549
Impressed Device: No
Install Date: Jun 14 1991
Release Detection:
Tank: Automatic Tank Gauging, Inventory Control
Pipe: Automatic Line Leak Detectors

Facility ID: 00011837
Facility Status: ACTIVE
Tank ID: 1
Owner: Pontiac Fuel Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45054 Woodward Rd
Pontiac, MI 48341
Owner Phone: 248-332-3549
Product: Gasoline,PREMIUM,8
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: May 17 1988
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: Mike Ajami
Contact Phone: (734) 332-3549
Impressed Device: No
Install Date: May 3 1967
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00011837
Facility Status: ACTIVE
Tank ID: F
Owner: Pontiac Fuel Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45054 Woodward Rd
Pontiac, MI 48341
Owner Phone: 248-332-3549
Product: Kerosene
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: May 6 2003
Constr Material: Lined Interior
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: Mike Ajami
Contact Phone: (734) 332-3549
Impressed Device: No

PONTIAC FUEL INC (Continued) **U003322334**

Install Date: Jun 14 1991
Release Detection:
Tank: Automatic Tank Gauging, Inventory Control
Pipe: Automatic Line Leak Detectors

Facility ID: 00011837
Facility Status: ACTIVE
Tank ID: C
Owner: Pontiac Fuel Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45054 Woodward Rd
Pontiac, MI 48341
Owner Phone: 248-332-3549
Product: Gasoline
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: May 6 2003
Constr Material: Lined Interior
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: Mike Ajami
Contact Phone: (734) 332-3549
Impressed Device: No
Install Date: Jun 14 1991
Release Detection:
Tank: Automatic Tank Gauging, Inventory Control
Pipe: Automatic Line Leak Detectors

Facility ID: 00011837
Facility Status: ACTIVE
Tank ID: 9
Owner: Pontiac Fuel Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45054 Woodward Rd
Pontiac, MI 48341
Owner Phone: 248-332-3549
Product: Diesel, Gasoline
Capacity: 10000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Double Walled, Fiberglass Reinforced plastic
Piping Material: Double Walled, Flexible Piping
Piping Type: Pressure
Contact: Mike Ajami
Contact Phone: (734) 332-3549
Impressed Device: No
Install Date: May 9 2003
Release Detection:
Tank: Automatic Tank Gauging, Inter Monitoring Double Walled Tank, Inventory Control, Manual Tank Gauging
Pipe: Automatic Line Leak Detectors

Facility ID: 00011837
Facility Status: ACTIVE
Tank ID: 8

PONTIAC FUEL INC (Continued) **U003322334**

Owner: Pontiac Fuel Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45054 Woodward Rd
Pontiac, MI 48341
Owner Phone: 248-332-3549
Product: Gasoline
Capacity: 15000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Double Walled, Fiberglass Reinforced plastic
Piping Material: Double Walled, Flexible Piping
Piping Type: Pressure
Contact: Mike Ajami
Contact Phone: (734) 332-3549
Impressed Device: No
Install Date: May 9 2003
Release Detection:
Tank: Automatic Tank Gauging, Inter Monitoring Double Walled Tank, Inventory Control, Manual Tank Gauging
Pipe: Automatic Line Leak Detectors

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15 **GAUKLER STORAGE CO** **LUST U003323147**
400 SOUTH BLVD E **UST N/A**
PONTIAC, MI 48341

LUST:
Facility ID: 00014737
Release Date: Jun 9 1999
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Sep 27 1999
Owner Contact : Not reported
Owner Name : Gaukler Storage Co
Owner Address : 400 South Blvd E
Pontiac, MI 48341
Country : USA
Owner Phone : (248) 858-8000
Leak Number: C-0545-99
Site Name : Gaukler Storage Co
Substance Released : Unknown

UST:
Facility ID: 00014737
Facility Status: CLOSED
Tank ID: 1
Owner: Gaukler Storage Co
Owner Country: USA
Owner Contact: Not reported
Owner Address: 400 South Blvd E
Pontiac, MI 48341
Owner Phone: (248) 858-8000
Product: Diesel
Capacity: 10000
Tank Status: Removed from Ground
Remove Date: Apr 9 1999
Constr Material: Asphalt Coated or Bare Steel,Lined Interier
Piping Material: Galvanized Steel
Piping Type: Not reported

GAUKLER STORAGE CO (Continued) **U003323147**

Contact: GENE STANLEY
Contact Phone: (248) 858-8000
Impressed Device: No
Install Date: Mar 6 1980
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00014737
Facility Status: CLOSED
Tank ID: 2
Owner: Gaukler Storage Co
Owner Country: USA
Owner Contact: Not reported
Owner Address: 400 South Blvd E
Pontiac, MI 48341
Owner Phone: (248) 858-8000
Product: Gasoline
Capacity: 5000
Tank Status: Removed from Ground
Remove Date: Jun 9 1999
Constr Material: Asphalt Coated or Bare Steel,Lined Interier
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: GENE STANLEY
Contact Phone: (248) 858-8000
Impressed Device: No
Install Date: Mar 6 1980
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00014737
Facility Status: CLOSED
Tank ID: 3
Owner: Gaukler Storage Co
Owner Country: USA
Owner Contact: Not reported
Owner Address: 400 South Blvd E
Pontiac, MI 48341
Owner Phone: (248) 858-8000
Product: Gasoline
Capacity: 5000
Tank Status: Removed from Ground
Remove Date: Jun 9 1999
Constr Material: Asphalt Coated or Bare Steel,Lined Interier
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: GENE STANLEY
Contact Phone: (248) 858-8000
Impressed Device: No
Install Date: Mar 6 1980
Release Detection:
Tank: Not reported
Pipe: Not reported

15 ANKERSON RESOURCE SYSTEMS INC **HIST LF** **S102519183**
400 SOUTH BLVD E **N/A**
PONTIAC, MI 48054

HIST LF:

Facility ID:	63000002	Contact:	B RICHARD
District:	S.E. Michigan	Active:	No
Facility Number:	000002	Towship Section:	04
Application Type:	Private	Facility Type:	Other
District:	Not reported	Business Type:	Not reported
Amount:	0.00	Fund Type:	Not reported
Issued Date:	Not reported	Facility Phone:	Not reported
Expires:	Not reported	License No:	Not reported
Expiry:	Not reported	Licensed:	Not reported
Facility Email:	Not reported	Permit Applicant:	ANKERSON RESOURCE SYSTEMS INC
Permit Contact:	B RICHARD ANKERSON 400 SOUTH BLVD EAST PONTIAC, MI 48054		
Applicant Phone:	Not reported		
Owner:	ANKERSON RESOURCE SYSTEMS INC.		
Owner Contact:	B RICHARD ANKERSON 400 SOUTH BLVD EAST PONTIAC, MI 00000		
Owner Phone:	Not reported		
Owner Fax:	Not reported	Owner Email:	Not reported
Owner Cont:	Not reported		

Liner Information:	Not reported
Section Number:	Not reported
Facility Township:	Not reported
Township Section:	Not reported
Nature of Wastes Allowed:	Not reported
Date of Expiry of Current License:	Not reported
Acreage Currently Licensed:	0.000
Acres Certified Closed:	0.000
Issue of 1st Construction Permit Date:	Not reported
Acres Given in 1st Construction Permit:	0.000
Acres Given in 2nd Construction Permit:	0.000
Issue of 3rd Construction Permit Date:	Not reported
Acres Given in 3rd Construction Permit:	0.000
Restrictive Deed Covenant Filed:	Not reported
Perpetual Care Fund Signed:	Not reported
Perpetual Care Fund Agreement Signed:	Not reported
Perpetual Care Fund Type:	Not reported
Groundwater Monitoring System Exists:	Not reported
Date landill Certified Closed:	Not reported
Liner Type:	Not reported
Reported Date:	Not reported
Received Waste on or After Oct. 9, 1991:	Not reported
Site Monitorable Under Definition of New Rules:	Not reported
County Code:	63
County Description:	Not reported
County 2 Description:	Not reported
Financial Instrument:	Not reported

Facility Fax:	Not reported	Facility Contact:	Not reported
Facility Type 2:	Not reported	Facility Type 3:	Not reported
Facility Type 4:	Not reported	Facility Type:	Not reported
Staff:	Not reported	Permit Date:	Not reported
Permit Number:	Not reported	License Date:	/ /
Facility Town:	BLOOMFIELD		

ANKERSON RESOURCE SYSTEMS INC (Continued) **S102519183**

No Waste: Not reported
Operator: Not reported
Operator Contact: Not reported
Not reported
Not reported
Operator Phone: Not reported
Operator Email: Not reported
Operator Fax: Not reported
Enforcement: Not reported
Exp Letters: Not reported
Comments: Not reported

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16 **DETROIT EDISON CO** **RCRA-SQG 1000366959**
761 S WOODWARD **FINDS MID000718833**
PONTIAC, MI 48341

RCRAInfo:
Owner: DETROIT EDISON CO
EPA ID: MID000718833

Contact: ELIZABETH KRUMBACH
(313) 235-7553

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

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

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16 **DETROIT EDISON CO** **RCRA-SQG 1000366988**
761 S WOODWARD **MID000722546**
PONTIAC, MI 48341

RCRAInfo:
Contact: ELIZABETH KRUMBACH
(313) 235-7553

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

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16 **MINIT-LUBE** **UST U003319221**
714 WOODWARD **N/A**
PONTIAC, MI 84119

UST:
Facility ID: 00000203
Facility Status: CLOSED
Tank ID: 1
Owner: Quaker State Minit-Lube Inc
Owner Country: USA

MINIT-LUBE (Continued) **U003319221**

Owner Contact: Not reported
Owner Address: 1385 W 2200 S
SALT LAKE CITY, UT 84119
Owner Phone: (801) 975-4617
Product: NEW OIL
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: Apr 14 1992
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel,Composite(Steel w/Fiberglass),F.G. REINFORCED COAT
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Contact: CAROL M BELLON
Contact Phone: (801) 975-4728
Impressed Device: No
Install Date: Aug 13 1987
Release Detection:
Tank: Not reported
Pipe: Not reported

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16 **MINIT LUBE 1274** **RCRA-SQG** **1000465162**
714 WOODWARD **FINDS** **MID985597913**
PONTIAC, MI 48341

RCRAInfo:
Contact: KEN HARPSTER
(313) 333-0880

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

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

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16 **GENERAL MOTORS CORPORATION** **FINDS** **1000213200**
200 SOUTH BOULEVARD **RCRA-LQG** **MID980568836**
PONTIAC, MI 48341 **RCRA-TSDF**
CORRACTS
NY MANIFEST

CORRACTS Data:

EPA Id: MID980568836
Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 03/30/1990
Corrective Action: CA050 - RFA Completed
2002 NAICS Title: Light Truck and Utility Vehicle Manufacturing

EPA Id: MID980568836
Region: 05
Area Name: ENTIRE FACILITY

GENERAL MOTORS CORPORATION (Continued) **1000213200**

Actual Date: 03/31/1994
Corrective Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
2002 NAICS Title: Light Truck and Utility Vehicle Manufacturing

EPA Id: MID980568836
Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 05/18/1990
Corrective Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
2002 NAICS Title: Light Truck and Utility Vehicle Manufacturing

EPA Id: MID980568836
Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 09/27/1991
Corrective Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
2002 NAICS Title: Light Truck and Utility Vehicle Manufacturing

RCRAInfo Corrective Action Summary:

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.
Event Date: 03/31/1994

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.
Event Date: 09/27/1991

Event: RFA Determination Of Need For An RFI, RFI is Necessary;
Event Date: 05/18/1990

Event: RFA Completed
Event Date: 03/30/1990

RCRAInfo:

Owner: GENERAL MOTORS CORPORTATION
EPA ID: MID980568836

Contact: MARY MORGAN
(248) 753-6379

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

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2003

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	35950.00	D002	1200.00
D006	6500.00	D018	1200.00
F005	400.00		

GENERAL MOTORS CORPORATION (Continued) **1000213200**

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined: 09/13/2004
Actual Date Achieved Compliance: 10/18/2004

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/17/2004
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 09/13/2004
Actual Date Achieved Compliance: 10/18/2004

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/17/2004
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 09/13/2004
Actual Date Achieved Compliance: 10/18/2004

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/17/2004
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-CONTAINER
Date Violation Determined: 03/31/1997
Actual Date Achieved Compliance: 05/12/1997

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/31/1997
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 03/31/1997
Actual Date Achieved Compliance: 05/12/1997

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/31/1997
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 04/24/1995
Actual Date Achieved Compliance: 11/16/1995

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/24/1995
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-OTHER REQUIREMENTS
Date Violation Determined: 04/24/1995
Actual Date Achieved Compliance: 11/16/1995

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/24/1995
Penalty Type: Not reported

GENERAL MOTORS CORPORATION (Continued) **1000213200**

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS
Date Violation Determined: 06/08/1993
Actual Date Achieved Compliance: 10/07/1993

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 06/08/1993
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined: 09/29/1992
Actual Date Achieved Compliance: 10/19/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/29/1992
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 06/12/1991
Actual Date Achieved Compliance: 07/19/1991

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 06/12/1991
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 08/27/1990
Actual Date Achieved Compliance: 06/12/1991

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/17/1990
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 08/22/1989
Actual Date Achieved Compliance: 11/08/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/23/1989
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined: 03/31/1989
Actual Date Achieved Compliance: 05/10/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/05/1989
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 06/07/1988
Actual Date Achieved Compliance: 11/15/1988

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 06/24/1988
Penalty Type: Not reported

Regulation Violated: Not reported

GENERAL MOTORS CORPORATION (Continued) **1000213200**

Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 06/07/1988
Actual Date Achieved Compliance: 11/15/1988

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 06/24/1988
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-LAND BAN REQUIREMENTS
Date Violation Determined: 06/07/1988
Actual Date Achieved Compliance: 11/15/1988

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 06/24/1988
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined: 06/07/1988
Actual Date Achieved Compliance: 11/17/1988

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/14/1988
Penalty Type: Not reported

There are 17 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-MANIFEST REQUIREMENTS	20041018
	GENERATOR-LAND BAN REQUIREMENTS	20041018
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20041018
Compliance Evaluation Inspection	GENERATOR-CONTAINER	19970512
	GENERATOR-LAND BAN REQUIREMENTS	19970512
Compliance Evaluation Inspection	GENERATOR-LAND BAN REQUIREMENTS	19951116
	GENERATOR-OTHER REQUIREMENTS	19951116
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS	19931007
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19921019
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19910719
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19910612
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19891108
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19890510
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19881115
	GENERATOR-LAND BAN REQUIREMENTS	19881115
	TSD-LAND BAN REQUIREMENTS	19881115
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19881117

FINDS:

Other Pertinent Environmental Activity Identified at Site:

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

GENERAL MOTORS CORPORATION (Continued) **1000213200**

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

NY MANIFEST:

Document ID:	NYB9555993
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	06/05/2003
Trans1 Recv Date:	06/05/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/09/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980568836
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	0629746ME
Waste Code:	D006 - CADMIUM 1.0 MG/L TCLP
Quantity:	06500
Units:	P - Pounds
Number of Containers:	013
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	03
Facility Type:	Generator
EPA ID:	MID980568836
Facility Name:	PONTIAC WEST ASSEMBLY PLANT
Facility Address:	600 SOUTH SAGINAW STREET
Facility City:	PONTIAC
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	PONTIAC WEST ASSEMBLY PLANT
Mailing Contact:	Not reported
Mailing Address:	600 SOUTH SAGINAW STREET
Mailing City:	PONTIAC
Mailing State:	MI
Mailing Zip:	48053
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	313-456-3283

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

16 **HEAT TREAT SERVICES, INC.** **BEA** **S105542002**
245 SOUTH BOULEVARD **N/A**
PONTIAC, MI 48341

BEA:

Petition Disclosure:	0
BEA Number:	1761
District:	Southeast MI
Date Received:	2002-07-24 00:59:00
Submitter Name:	Heat Treat Services, Inc.
Petition Determination:	No Request
Category:	No Hazardous Substance(s)
Determination 20107A:	No Request
Reviewer:	mathewsb
Division Assigned:	Environmental Response Division
Secondary Address:	Not reported

---

17 **GM - PONTIAC CENTERPOINTE CAMPUS - WEST ENGINEERIN** **AST** **A100282612**
200 SOUTH BLVD WEST **N/A**
PONTIAC, MI 48341

AST:

Facility ID:	91063321
Tank ID:	T1
Type:	ACTIVE
Tank Status:	Currently In Use
Content:	CL-GAS
Capacity:	1500
Owner:	GM - Pontiac Centerpoint Campus - West Engineering
Owner Address:	Mail Code 483-634-106 660 S Boulevard East Pontiac, MI 48341
Owner Contact:	Waldrop
Owner Country:	USA
District:	SE Michigan District Office
Install Date:	Sep 3 1996
Close Date:	Not reported
Facility Phone:	(248) 456-2107
Contact:	Susan Waldrop

Facility ID:	91063321
Tank ID:	T2
Type:	ACTIVE
Tank Status:	Currently In Use
Content:	FL-GAS
Capacity:	5000
Owner:	GM - Pontiac Centerpoint Campus - West Engineering
Owner Address:	Mail Code 483-634-106 660 S Boulevard East Pontiac, MI 48341
Owner Contact:	Waldrop
Owner Country:	USA
District:	SE Michigan District Office
Install Date:	Sep 3 1996
Close Date:	Not reported
Facility Phone:	(248) 456-2107
Contact:	Susan Waldrop

Facility ID:	91063321
Tank ID:	T3
Type:	ACTIVE
Tank Status:	Currently In Use
Content:	FL-GAS

GM - PONTIAC CENTERPOINTE CAMPUS - WEST ENGINEERIN (Continued) **A100282612**

Capacity: 5000
Owner: GM - Pontiac Centerpoint Campus - West Engineering
Owner Address: Mail Code 483-634-106 660 S Boulevard East
Pontiac, MI 48341
Owner Contact: Waldrop
Owner Country: USA
District: SE Michigan District Office
Install Date: Sep 3 1996
Close Date: Not reported
Facility Phone: (248) 456-2107
Contact: Susan Waldrop

Facility ID: 91063321
Tank ID: T4
Type: ACTIVE
Tank Status: Currently In Use
Content: FL-GAS
Capacity: 5000
Owner: GM - Pontiac Centerpoint Campus - West Engineering
Owner Address: Mail Code 483-634-106 660 S Boulevard East
Pontiac, MI 48341
Owner Contact: Waldrop
Owner Country: USA
District: SE Michigan District Office
Install Date: Sep 3 1996
Close Date: Not reported
Facility Phone: (248) 456-2107
Contact: Susan Waldrop

---

17 **GMC PONTIAC CENTERPOINT CAMPUS - VALIDATION** **AIRS** **S107697602**
200 SOUTH BOULEVARD WEST **N/A**
PONTIAC, MI 48341

AIRS:
Applicant Name: Not reported
State Registration Number: B4033
Sic Code: 3711
Naics Code: 336112
Stack Utm Zone: Not reported
Stack Utm Easting: Not reported
Stack Utm Northing: Not reported
Contact Name: SUE WALDROP
Contact Phone: 7536372
Contact Address: Not reported
Contact City,St,Zip: Not reported
Contact Area Code: 248
Contact Email: Not reported
Permit Number: Not reported
Application Reason: Not reported
Date Received: Not reported
Date Approved: Not reported
Allowed Pm10 Emissions Tons Per Yr: Not reported
Allowed So2 Emissions Tons Per Year: Not reported
Allowed Co Emissions Tons Per Year: Not reported
Allowed Nox Emissions Tons Per Year: Not reported
Allowed Voc Emissions Tons Per Year: Not reported
Pollutant 6: Not reported
Allowed Emissions Tons Per Year: Not reported
Pollutant 7: Not reported

GMC PONTIAC CENTERPOINT CAMPUS - VALIDATION (Continued) **S107697602**

Allowed Emissions Tons Per Year:	Not reported
Pollutant 8:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 9:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 10:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Emissions Inventory Year:	2003
State Registration Number:	B4033
Pollutant Code:	CO
Sum Of Emissions:	4
Emission Unit Numerator:	TON
Application Number:	Not reported
Initial(ini) / Renewal(ren):	Not reported
Date Rop Issued:	Not reported
Permit Reviewer:	Not reported
Reviewer Email:	Not reported

Applicant Name:	Not reported
State Registration Number:	B4033
Sic Code:	3711
Naics Code:	336112
Stack Utm Zone:	Not reported
Stack Utm Easting:	Not reported
Stack Utm Northing:	Not reported
Contact Name:	SUE WALDROP
Contact Phone:	7536372
Contact Address:	Not reported
Contact City,St,Zip:	Not reported
Contact Area Code:	248
Contact Email:	Not reported
Permit Number:	Not reported
Application Reason:	Not reported
Date Received:	Not reported
Date Approved:	Not reported
Allowed Pm10 Emissions Tons Per Yr:	Not reported
Allowed So2 Emissions Tons Per Year:	Not reported
Allowed Co Emissions Tons Per Year:	Not reported
Allowed Nox Emissions Tons Per Year:	Not reported
Allowed Voc Emissions Tons Per Year:	Not reported
Pollutant 6:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 7:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 8:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 9:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 10:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Emissions Inventory Year:	2003
State Registration Number:	B4033
Pollutant Code:	NH3
Sum Of Emissions:	0
Emission Unit Numerator:	TON
Application Number:	Not reported
Initial(ini) / Renewal(ren):	Not reported

GMC PONTIAC CENTERPOINT CAMPUS - VALIDATION (Continued) **S107697602**

Date Rop Issued:	Not reported
Permit Reviewer:	Not reported
Reviewer Email:	Not reported
Applicant Name:	Not reported
State Registration Number:	B4033
Sic Code:	3711
Naics Code:	336112
Stack Utm Zone:	Not reported
Stack Utm Easting:	Not reported
Stack Utm Northing:	Not reported
Contact Name:	SUE WALDROP
Contact Phone:	7536372
Contact Address:	Not reported
Contact City,St,Zip:	Not reported
Contact Area Code:	248
Contact Email:	Not reported
Permit Number:	Not reported
Application Reason:	Not reported
Date Received:	Not reported
Date Approved:	Not reported
Allowed Pm10 Emissions Tons Per Yr:	Not reported
Allowed So2 Emissions Tons Per Year:	Not reported
Allowed Co Emissions Tons Per Year:	Not reported
Allowed Nox Emissions Tons Per Year:	Not reported
Allowed Voc Emissions Tons Per Year:	Not reported
Pollutant 6:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 7:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 8:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 9:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 10:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Emissions Inventory Year:	2003
State Registration Number:	B4033
Pollutant Code:	NOX
Sum Of Emissions:	10
Emission Unit Numerator:	TON
Application Number:	Not reported
Initial(ini) / Renewal(ren):	Not reported
Date Rop Issued:	Not reported
Permit Reviewer:	Not reported
Reviewer Email:	Not reported
Applicant Name:	Not reported
State Registration Number:	B4033
Sic Code:	3711
Naics Code:	336112
Stack Utm Zone:	Not reported
Stack Utm Easting:	Not reported
Stack Utm Northing:	Not reported
Contact Name:	SUE WALDROP
Contact Phone:	7536372
Contact Address:	Not reported

GMC PONTIAC CENTERPOINT CAMPUS - VALIDATION (Continued) **S107697602**

Contact City,St,Zip:	Not reported
Contact Area Code:	248
Contact Email:	Not reported
Permit Number:	Not reported
Application Reason:	Not reported
Date Received:	Not reported
Date Approved:	Not reported
Allowed Pm10 Emissions Tons Per Yr:	Not reported
Allowed So2 Emissions Tons Per Year:	Not reported
Allowed Co Emissions Tons Per Year:	Not reported
Allowed Nox Emissions Tons Per Year:	Not reported
Allowed Voc Emissions Tons Per Year:	Not reported
Pollutant 6:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 7:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 8:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 9:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 10:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Emissions Inventory Year:	2003
State Registration Number:	B4033
Pollutant Code:	PM10-PRI
Sum Of Emissions:	0
Emission Unit Numerator:	TON
Application Number:	Not reported
Initial(ini) / Renewal(ren):	Not reported
Date Rop Issued:	Not reported
Permit Reviewer:	Not reported
Reviewer Email:	Not reported
Applicant Name:	Not reported
State Registration Number:	B4033
Sic Code:	3711
Naics Code:	336112
Stack Utm Zone:	Not reported
Stack Utm Easting:	Not reported
Stack Utm Northing:	Not reported
Contact Name:	SUE WALDROP
Contact Phone:	7536372
Contact Address:	Not reported
Contact City,St,Zip:	Not reported
Contact Area Code:	248
Contact Email:	Not reported
Permit Number:	Not reported
Application Reason:	Not reported
Date Received:	Not reported
Date Approved:	Not reported
Allowed Pm10 Emissions Tons Per Yr:	Not reported
Allowed So2 Emissions Tons Per Year:	Not reported
Allowed Co Emissions Tons Per Year:	Not reported
Allowed Nox Emissions Tons Per Year:	Not reported
Allowed Voc Emissions Tons Per Year:	Not reported
Pollutant 6:	Not reported
Allowed Emissions Tons Per Year:	Not reported

GMC PONTIAC CENTERPOINT CAMPUS - VALIDATION (Continued) **S107697602**

Pollutant 7:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 8:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 9:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 10:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Emissions Inventory Year:	2003
State Registration Number:	B4033
Pollutant Code:	SO2
Sum Of Emissions:	0
Emission Unit Numerator:	TON
Application Number:	Not reported
Initial(ini) / Renewal(ren):	Not reported
Date Rop Issued:	Not reported
Permit Reviewer:	Not reported
Reviewer Email:	Not reported

Applicant Name:	Not reported
State Registration Number:	B4033
Sic Code:	3711
Naics Code:	336112
Stack Utm Zone:	Not reported
Stack Utm Easting:	Not reported
Stack Utm Northing:	Not reported
Contact Name:	SUE WALDROP
Contact Phone:	7536372
Contact Address:	Not reported
Contact City,St,Zip:	Not reported
Contact Area Code:	248
Contact Email:	Not reported
Permit Number:	Not reported
Application Reason:	Not reported
Date Received:	Not reported
Date Approved:	Not reported
Allowed Pm10 Emissions Tons Per Yr:	Not reported
Allowed So2 Emissions Tons Per Year:	Not reported
Allowed Co Emissions Tons Per Year:	Not reported
Allowed Nox Emissions Tons Per Year:	Not reported
Allowed Voc Emissions Tons Per Year:	Not reported
Pollutant 6:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 7:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 8:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 9:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Pollutant 10:	Not reported
Allowed Emissions Tons Per Year:	Not reported
Emissions Inventory Year:	2003
State Registration Number:	B4033
Pollutant Code:	VOC
Sum Of Emissions:	11
Emission Unit Numerator:	TON
Application Number:	Not reported

GMC PONTIAC CENTERPOINT CAMPUS - VALIDATION (Continued) **S107697602**

Initial(ini) / Renewal(ren): Not reported
Date Rop Issued: Not reported
Permit Reviewer: Not reported
Reviewer Email: Not reported

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18 **PONTIAC STATION #2 PONTIAC FIRE** **LUST U003321099**
348 SOUTH BLVD W **UST N/A**
PONTIAC, MI 48341

LUST:
Facility ID: 00007475
Release Date: Feb 26 1999
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : City of Pontiac
Owner Address : 47450 Woodward Ave
Pontiac, MI 48342
Country : USA
Owner Phone : (248) 857-7611
Leak Number: C-0198-99
Site Name : Pontiac Station #2 Pontiac Fire
Substance Released Diesel

UST:
Facility ID: 00007475
Facility Status: CLOSED
Tank ID: 1
Owner: City of Pontiac
Owner Country: USA
Owner Contact: Not reported
Owner Address: 47450 Woodward Ave
Pontiac, MI 48342
Owner Phone: (248) 857-7611
Product: Diesel
Capacity: 550
Tank Status: Removed from Ground
Remove Date: Mar 1 1999
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: RONALD RAYNER
Contact Phone: (248) 857-7665
Impressed Device: No
Install Date: Mar 17 1970
Release Detection:
Tank: Not reported
Pipe: Not reported

19 **MULT A FRAME CORP** **RCRA-SQG** **1000390848**
366 S BLVD E **FINDS** **MID005348123**
PONTIAC, MI 48341

RCRAInfo:
Owner: NAME NOT REPORTED
EPA ID: MID005348123

Contact: ROBERT TURLEY
(313) 338-9271

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

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

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20 **ARNOLD JEROME CADILLAC SUBARU INC** **RCRA-SQG** **1000334598**
815 WOODWARD AVE **FINDS** **MID981534704**
PONTIAC, MI 48341

RCRAInfo:
Owner: NAME NOT REPORTED
EPA ID: MID981534704

Contact: JOSEPH SALVADOR
(313) 334-0461

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

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

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20 **INTERNATIONAL TRANSMISSION COMPANY LLC** **RCRA-SQG** **1007119066**
44800 WOODWARD AVE **MIK677264236**
PONTIAC, MI 48341

INTERNATIONAL TRANSMISSION COMPANY LLC (Continued) **1007119066**

RCRAInfo:
Owner: INTERNATIONAL TRANSMISSION CO LLC
EPA ID: MIK677264236

Contact: STEVEN SCZYTKO
(248) 374-7100

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

Violation Status: No violations found

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21 **MEDICAL ASSOCIATES INC** **RCRA-SQG** **1007097086**
44656 WOODWARD AVE **MIK296174477**
PONTIAC, MI 48341

RCRAInfo:
Owner: EUGENE AND JEANETTE CAMPBELL ROGERS
EPA ID: MIK296174477

Contact: EUGENE ROGERS
(248) 335-5911

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

Violation Status: No violations found

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21 **PONTIAC MEDICAL ASSOCIATES MERCURY SPILL** **CERC-NFRAP** **1005440719**
44696 WOODWARD **MIN000508263**
PONTIAC, MI 48341

CERCLIS-NFRAP Classification Data:
Federal Facility: Not a Federal Facility
Non NPL Code: Removal Only Site (No Site Assessment Work Needed)
NPL Status: Not on the NPL
Site Description: Mercury spill form broken sphymomanometer in a doctor's office. An employee initially cleaned up the spill. After air monitoring was conducted by U.S. EPA, the facility agreed to hire a contractor to clean up the spill.

CERCLIS-NFRAP Assessment History:
Assessment: PRP EMERGENCY REMOVAL Completed: 10/31/2001
Assessment: ARCHIVE SITE Completed: 07/20/2005

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21 **AUTO CLINIC** **RCRA-SQG** **1007264615**
44732 WOODWARD AVE **MIK754376697**
PONTIAC, MI 48341

AUTO CLINIC (Continued) **1007264615**

RCRAInfo:
Owner: JEFF MORAN
EPA ID: MIK754376697

Contact: JEFF MORAN
(248) 333-0800

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

Violation Status: No violations found

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22 **ST JOSEPH MERCY HOSPITAL / OAKLAND** **RCRA-SQG** **1000265678**
44405 WOODWARD AVE **FINDS** **MID067359240**
PONTIAC, MI 48341 **LUST**
UST

RCRAInfo:
Owner: TRINITY HEALTH
EPA ID: MID067359240

Contact: RON PLASDKY
(248) 858-3073

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 11/14/1995
Actual Date Achieved Compliance: 03/13/1997

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/14/1995
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 11/14/1995
Actual Date Achieved Compliance: 03/13/1997

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/14/1995
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 11/14/1995
Actual Date Achieved Compliance: 03/13/1997

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/14/1995
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 11/14/1995
Actual Date Achieved Compliance: 03/13/1997

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/14/1995
Penalty Type: Not reported

ST JOSEPH MERCY HOSPITAL / OAKLAND (Continued) **1000265678**

Regulation Violated: Not reported
Area of Violation: GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined: 11/14/1995
Actual Date Achieved Compliance: 03/13/1997

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/14/1995
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 11/14/1995
Actual Date Achieved Compliance: 03/13/1997

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/14/1995
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-CONTAINER
Date Violation Determined: 11/14/1995
Actual Date Achieved Compliance: 03/13/1997

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/14/1995
Penalty Type: Not reported

There are 7 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19970313
	GENERATOR-RECORDKEEPING REQUIREMENTS	19970313
	GENERATOR-LAND BAN REQUIREMENTS	19970313
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970313
	GENERATOR-MANIFEST REQUIREMENTS	19970313
	GENERATOR-RECORDKEEPING REQUIREMENTS	19970313
	GENERATOR-CONTAINER	19970313

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

LUST:
Facility ID: 00016299
Release Date: Jul 9 1997
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Oct 7 1997
Owner Contact : Not reported
Owner Name : St Joseph Mercy-Oakland
Owner Address : 44405 Woodward Ave
Pontiac, MI 48341
Country : USA
Owner Phone : (248) 858-3000
Leak Number: C-0526-97
Site Name : St Joseph Mercy-oakland
Substance Released Diesel

ST JOSEPH MERCY HOSPITAL / OAKLAND (Continued) **1000265678**

Facility ID: 00016299
Release Date: Sep 24 2002
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Dec 30 2002
Owner Contact : Not reported
Owner Name : St Joseph Mercy-Oakland
Owner Address : 44405 Woodward Ave
Pontiac, MI 48341
Country : USA
Owner Phone : (248) 858-3000
Leak Number: C-0555-02
Site Name : St Joseph Mercy-oakland
Substance Released Diesel

Facility ID: 00016299
Release Date: Jan 10 2003
Facility Status: Closed
District: SE Michigan District Office
Closed Date: May 6 2003
Owner Contact : Not reported
Owner Name : St Joseph Mercy-Oakland
Owner Address : 44405 Woodward Ave
Pontiac, MI 48341
Country : USA
Owner Phone : (248) 858-3000
Leak Number: C-0016-03
Site Name : St Joseph Mercy-oakland
Substance Released Diesel

Facility ID: 00016299
Release Date: Sep 10 2002
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Feb 10 2003
Owner Contact : Not reported
Owner Name : St Joseph Mercy-Oakland
Owner Address : 44405 Woodward Ave
Pontiac, MI 48341
Country : USA
Owner Phone : (248) 858-3000
Leak Number: C-0516-02
Site Name : St Joseph Mercy-oakland
Substance Released Diesel

UST:
Facility ID: 00016299
Facility Status: ACTIVE
Tank ID: C
Owner: St Joseph Mercy-Oakland
Owner Country: USA
Owner Contact: Not reported
Owner Address: 44405 Woodward Ave
Pontiac, MI 48341
Owner Phone: (248) 858-3000
Product: Diesel
Capacity: 6000

ST JOSEPH MERCY HOSPITAL / OAKLAND (Continued) **1000265678**

Tank Status: Removed from Ground
Remove Date: Jul 10 1997
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Suction: No Valve At Tank
Contact: GERALD R TILSON
Contact Phone: (248) 858-3075
Impressed Device: No
Install Date: Apr 24 1980
Release Detection:
Tank: Groundwater Monitoring,Inventory Control,Manual Tank Gauging,Tank Tightness Testing
Pipe: Not reported

Facility ID: 00016299
Facility Status: ACTIVE
Tank ID: E
Owner: St Joseph Mercy-Oakland
Owner Country: USA
Owner Contact: Not reported
Owner Address: 44405 Woodward Ave
Pontiac, MI 48341
Owner Phone: (248) 858-3000
Product: Diesel
Capacity: 3000
Tank Status: Removed from Ground
Remove Date: Aug 15 2002
Constr Material: Double Walled,Fiberglass Reinforced plastic
Piping Material: Double Walled,Flexible Piping
Piping Type: Suction: No Valve At Tank
Contact: GERALD R TILSON
Contact Phone: (248) 858-3075
Impressed Device: No
Install Date: Jul 1 1997
Release Detection:
Tank: Automatic Tank Gauging,Inter Monitoring Double Walled Tank
Pipe: Interstitial Monitoring Double Walled Piping

Facility ID: 00016299
Facility Status: ACTIVE
Tank ID: D
Owner: St Joseph Mercy-Oakland
Owner Country: USA
Owner Contact: Not reported
Owner Address: 44405 Woodward Ave
Pontiac, MI 48341
Owner Phone: (248) 858-3000
Product: Diesel
Capacity: 10000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Double Walled
Piping Type: Suction: Valve at Tank
Contact: GERALD R TILSON
Contact Phone: (248) 858-3075
Impressed Device: No

ST JOSEPH MERCY HOSPITAL / OAKLAND (Continued) **1000265678**

Install Date: Sep 16 1992
Release Detection:
Tank: Automatic Tank Gauging,Inter Monitoring Double Walled Tank,Inter Monitoring/Second Containment,Tank Tightness Testing,Vapor Monitoring
Pipe: Line Tightness Testing

Facility ID: 00016299
Facility Status: ACTIVE
Tank ID: A
Owner: St Joseph Mercy-Oakland
Owner Country: USA
Owner Contact: Not reported
Owner Address: 44405 Woodward Ave
Pontiac, MI 48341
Owner Phone: (248) 858-3000
Product: HEATING OIL
Capacity: 20000
Tank Status: Removed from Ground
Remove Date: Dec 1 1992
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Suction: No Valve At Tank
Contact: GERALD R TILSON
Contact Phone: (248) 858-3075
Impressed Device: No
Install Date: Apr 25 1967
Release Detection:
Tank: Automatic Tank Gauging,Groundwater Monitoring,Inter Monitoring Double Walled Tank,Inter Monitoring/Second Containment,Inventory Control,Manual Tank Gauging,Tank Tightness Testing,Vapor Monitoring
Pipe: Not reported

Facility ID: 00016299
Facility Status: ACTIVE
Tank ID: B
Owner: St Joseph Mercy-Oakland
Owner Country: USA
Owner Contact: Not reported
Owner Address: 44405 Woodward Ave
Pontiac, MI 48341
Owner Phone: (248) 858-3000
Product: Diesel
Capacity: 2000
Tank Status: Removed from Ground
Remove Date: Dec 1 1992
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Contact: GERALD R TILSON
Contact Phone: (248) 858-3075
Impressed Device: No
Install Date: Apr 25 1967
Release Detection:
Tank: Groundwater Monitoring,Inventory Control,Manual Tank Gauging,Tank Tightness Testing
Pipe: Not reported

23 **TRUCK CENTER** **LUST** **U000262877**
554 FRANKLIN RD **UST** **N/A**
PONTIAC, MI 48341

LUST:
Facility ID: 00021822
Release Date: Jun 19 1997
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Northtown Bldg & Developer Inc
Owner Address : PO Box 489
Livonia, LA 70755
Country : USA
Owner Phone : (504) 627-4533
Leak Number: C-0473-97
Site Name : Truck Center
Substance Released Unknown

UST:
Facility ID: 00021822
Facility Status: CLOSED
Tank ID: 1
Owner: Northtown Bldg & Developer Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: PO Box 489
Livonia, LA 70755
Owner Phone: (504) 627-4533
Product: Diesel
Capacity: 10000
Tank Status: Removed from Ground
Remove Date: Jun 19 1997
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: AL BROWN
Contact Phone: (248) 557-1609
Impressed Device: No
Install Date: Jun 25 1976
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00021822
Facility Status: CLOSED
Tank ID: 2
Owner: Northtown Bldg & Developer Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: PO Box 489
Livonia, LA 70755
Owner Phone: (504) 627-4533
Product: Diesel
Capacity: 3000
Tank Status: Removed from Ground
Remove Date: Jun 19 1997
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel

TRUCK CENTER (Continued) **U000262877**

Piping Type: Not reported
Contact: AL BROWN
Contact Phone: (248) 557-1609
Impressed Device: No
Install Date: Jun 25 1956
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00021822
Facility Status: CLOSED
Tank ID: 3
Owner: Northtown Bldg & Developer Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: PO Box 489
Livonia, LA 70755
Owner Phone: (504) 627-4533
Product: Used Oil
Capacity: 3000
Tank Status: Removed from Ground
Remove Date: Jun 19 1997
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: AL BROWN
Contact Phone: (248) 557-1609
Impressed Device: No
Install Date: Jun 25 1956
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00021822
Facility Status: CLOSED
Tank ID: 4
Owner: Northtown Bldg & Developer Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: PO Box 489
Livonia, LA 70755
Owner Phone: (504) 627-4533
Product: Used Oil
Capacity: 2000
Tank Status: Removed from Ground
Remove Date: Jun 19 1997
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: AL BROWN
Contact Phone: (248) 557-1609
Impressed Device: No
Install Date: Jun 25 1976
Release Detection:
Tank: Not reported
Pipe: Not reported

23 **LIGHT INDUSTRIAL BUILDING** **BEA** **S106802536**
554 FRANKLIN ROAD **N/A**
PONTIAC, MI 48341

BEA:
Petition Disclosure: 0
BEA Number: 2721
District: Southeast MI
Date Received: 2005-02-17 00:59:00
Submitter Name: 554, LLC
Petition Determination: No Request
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mathewsb
Division Assigned: Environmental Response Division
Secondary Address: Not reported

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24 **HOWLAND & LUTHER STREETS** **DEL SHWS** **S105966048**
HOWLAND / LUTHER **N/A**
PONTIAC, MI 48341

DELETED HWS:
Facility ID : 63001014
Status : Delisted - no longer meets criteria specified in rules

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BLOOMFIELD HILLS	S105966539	UAG MICHIGAN H1, LLC	1819 AND 1825 SOUTH TELEGRAPH ROAD	48302	BEA
BLOOMFIELD HILLS	S107543612	BLOOMFIELD DODGE INC	2125 TELEGRAPH RD	48302	AUL
BLOOMFIELD HILLS	S103594527	SHELL DRY WELL 1 TELEGRAPH	1415 TELEGRAPH @ GOLF	48302	SHWS
BLOOMFIELD HILLS	U003319717	SHELL SERVICE STATION	1415 TELEGRAPH / GOLF	48302	LUST, UST
BLOOMFIELD HILLS	U003867278	WABEEK COUNTRY CLUB MAINTENANCE BLDG	4400 WABEEK LAKE DR	48302	UST
BLOOMFIELD HILLS	S105551002	WABEEK COUNTRY CLUB MAINTENANCE BLDG	4400 WABEEK LAKE DR	48302	LUST
BLOOMFIELD HILLS	1007100714	BLOOMFIELD OFFICE CENTER	38505 NORTH WOODWARD	48302	RCRA-SQG
BLOOMFIELD TWP	S107596874	DRYCLEAN DEPOT LLC	2527 TELEGRAPH ROAD	48302	DRYCLEANERS
PONTIAC	S104912001	RITE AID OF MICHIGAN	390,370-380,358-360 / 352-354 MARTIN		BEA
PONTIAC	S106676457	MANVILLE MANUFACTURING COMPANY	341 AND 342 ROCKWELL AVENUE	48341	BEA
PONTIAC	1000465321	MI DEPT/TRANSPORTATION BRIDGE S01-63052	US-10 AT ORCHARD LAKE RD	48341	RCRA-SQG, FINDS
PONTIAC	1003834459	GM TRUCK AND BUS PONTIAC CENTRAL	660 S. BLVD. E	48341	SHWS
PONTIAC	U003758789	FORMER WINTER PROPERTY	560 S BOULEVARD EAST	48341	LUST, UST
PONTIAC	S107135828	BRANCH & GILLESPIE STREETS	BRANCH / GILESPIE ROADS		BROWNFIELDS
PONTIAC	1007102343	CITY OF PONTIAC	CORNER SANFORD & CENTRAL	48342	RCRA-SQG
PONTIAC	S104912294	MICHIGAN CAT RENTAL SERVICES	SW CORNER OF WIDE TRACK DRIVE		BEA
PONTIAC	U000263107	PEPSI-COLA PONTIAC WAREHOUSE	960 FEATHERSTONE ST	48342	LUST, PEAS, UST
PONTIAC	1007101454	AKZO NOBEL COATINGS INC	120 FRANKLIN	48341	RCRA-LQG
PONTIAC	1007140527	AKZO NOBEL COATINGS INC	120 FRANKLIN	48341	FINDS, AST
PONTIAC	1000331099	SUNOCO SERVICE STATION	7660 HIGHLAND RD	48341	RCRA-SQG, FINDS
PONTIAC	1000465135	MINIT LUBE 1036	7585 HIGHLAND RD	48341	RCRA-SQG, FINDS
PONTIAC	S107135829	HOWLAND AND LUTHER STREETS, VACANT LOT	HOWLAND AND LUTHER STREETS		BROWNFIELDS
PONTIAC	S107543752	EQUILON ENTERPRISES, LLC	510 WEST HURON	48341	AUL
PONTIAC	S105542001	DETROIT NEWSPAPERS	70 EAST INDUSTRIAL DRIVE	48342	BEA
PONTIAC	1007266554	1824 W. LAWRENCE	1824 W. LAWRENCE		US BROWNFIELDS
PONTIAC	S106439641	DIAL DRY CLEANERS	640 MARTIN LUTHER KING BLVD.	48342	DRYCLEANERS
PONTIAC	S104911457	RALLY'S RESTAURANT (FORMER)	684 NORTH MARTIN LUTHER KING BLVD.		BEA
PONTIAC	S104911714	RALLY'S RESTAURANT(FORMER)	684 NORTH MARTIN LUTHER KING BLVD.		BEA
PONTIAC	S104912087	HARRIS LAKE PARK DEVELOPMENT	MONTCALM STREET WEST OF SAGINAW		BEA
PONTIAC	S107543673	CITY OF PONTIAC - WATER AND SEWER MAINTENANCE DIVI	522 SOUTH OPDYKE ROAD	48341	AUL
PONTIAC	S103285248	ORCHARD LAKE ROAD	494 ORCHARD LK RD	48341	LUST
PONTIAC	S107544026	SCHROEDER SUNOCO	440 N. PADDOCK STREET	48342	AUL
PONTIAC	1007096917	ALL SAINTS EPISCOPAL CHURCH	171 W PIKE	48341	RCRA-SQG
PONTIAC	S107135866	SUN VALLEY PROPERTIES	675 S. SAGINAW	48341	BROWNFIELDS
PONTIAC	S102851904	EXPANSION FUNDS INC	447 S SAGINAW	48341	LUST
PONTIAC	U000262918	PONTIAC WEST ASSEMBLY	600 S SAGINAW ST	48341	LUST, UST
PONTIAC	U001148635	SUN VALLEY PROPERTIES INC	675 S SAGINAW ST	48341	LUST, UST
PONTIAC	1001220201	FREIBORNE INDUSTRIES INC	15 W SILVERDOME INDUSTRIAL PAR	48342	FINDS, RCRA-LQG
PONTIAC	S104912580	SILVERDOME INDUSTRIAL COURT EAST	55 SILVERDOME INDUSTRIAL COURT EAST	48342	BEA
PONTIAC	S105966557	TKG ENTERPRISES, LLC	30 WEST SILVERDOME INDUSTRIAL PARK	48342	BEA
PONTIAC	U003758880	GORDON & FRIEDA HARTUNIAN	1 SILVERDOME INDUSTRIAL PARK	48342	UST
PONTIAC	U003867212	SEARS, ROEBUCK & CO	435 N TELEGRAPH RD	48341	UST

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PONTIAC	S105965682	GRAND TRUNK RR HAWTHORNE PARK	N TELEGRAPH		DEL SHWS
PONTIAC	S107135831	WIDETRACK AT WESSON STREET, VACANT LOT	WIDE TRACK AT WESSON STREET		BROWNFIELDS
PONTIAC	S105144543	ASPHALT SPECIALIST INC	1908 WIDE TRACK DRIVE	48342	SHWS, DEL SHWS
PONTIAC	U003160717	ASANTES PROPERTIES LLC	590 WIDE TRACK DRIVE EAST	48342	LUST, UST
PONTIAC	S107135830	WIDETRACK DRIVE AND N. SAGINAW, NE CORNER VACANT L	WIDETRACK DRIVE AND N. SAGINAW		BROWNFIELDS
PONTIAC	U001147877	WOODWARD OFFICE PLAZA	800 WOODWARD AVE	48341	LUST, UST
PONTIAC	U001147975	SPEEDY MUFFLER KING	810 WOODWARD AVE	48341	LUST, UST
WARREN	U003867537	SPEED STOP #113	3990 EAST 12 MILE & RYAN	48302	UST
WARREN	S105551138	SPEEDWAY STATION NO. 2261	3990 EAST 12 MILE / RYAN	48302	LUST, AUL

Site	Database(s)	EDR ID Number EPA ID Number

UAG MICHIGAN H1, LLC — **BEA** — **S105966539**
1819 AND 1825 SOUTH TELEGRAPH ROAD — **N/A**
BLOOMFIELD HILLS, MI 48302

BEA:
- Petition Disclosure: 0
- BEA Number: 1997
- District: Southeast MI
- Date Received: 2003-04-23 00:59:00
- Submitter Name: UAG Michigan H1, LLC
- Petition Determination: No Request
- Category: Same Hazardous Substance(s)
- Determination 20107A: No Request
- Reviewer: mathewsb
- Division Assigned: Environmental Response Division
- Secondary Address: Not reported

BLOOMFIELD DODGE INC — **AUL** — **S107543612**
2125 TELEGRAPH RD — **N/A**
BLOOMFIELD HILLS, MI 48302

MI INST CONTROL:
- Facility ID : 00021402
- MDEQ Reference # : RC-RRD-213-05-197
- Record Date : 05/05/05

SHELL DRY WELL 1 TELEGRAPH — **SHWS** — **S103594527**
1415 TELEGRAPH @ GOLF — **N/A**
BLOOMFIELD HILLS, MI 48302

SHWS:
- Facility ID: 63000862
- Source: Gasoline Service Station
- **Facility Status: Inactive - no actions taken to address contamination**
- Pollutants : Benzene; Phenol
- SAM Score: 38 out of 48
- SAM Score Date: 02/04/2004
- Township: 02N
- Range: 10E
- Section: 06
- Quarter: NW
- Quarter/Quarter: NE

SHELL SERVICE STATION — **LUST** — **U003319717**
1415 TELEGRAPH / GOLF — **UST** — **N/A**
BLOOMFIELD HILLS, MI 48302

LUST:
- Facility ID: 00002265
- Release Date: Apr 23 1998
- **Facility Status: Open**
- District: SE Michigan District Office
- Closed Date: Not reported
- Owner Contact : Not reported
- Owner Name : Gedoa's Inc
- Owner Address : 1415 Telegraph Rd
Bloomfield Hills, MI 48302
- Country : USA
- Owner Phone : 248-421-7510

Site	Database(s)	EDR ID Number EPA ID Number

SHELL SERVICE STATION (Continued) U003319717

Leak Number: C-0235-98
Site Name : Shell Service Station
Substance Released : Gasoline,Unknown

UST:

Facility ID: 00002265
Facility Status: CLOSED
Tank ID: 1
Owner: Gedoa's Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1415 Telegraph Rd
Bloomfield Hills, MI 48302
Owner Phone: 248-421-7510
Product: Gasoline
Capacity: 3000
Tank Status: Removed from Ground
Remove Date: Apr 6 1998
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Pressure
Contact: JEROME P CAVALUZZI
Contact Phone: (734) 953-4341
Impressed Device: No
Install Date: Apr 15 1968
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00002265
Facility Status: CLOSED
Tank ID: 2
Owner: Gedoa's Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1415 Telegraph Rd
Bloomfield Hills, MI 48302
Owner Phone: 248-421-7510
Product: Gasoline
Capacity: 3000
Tank Status: Removed from Ground
Remove Date: Apr 6 1998
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Pressure
Contact: JEROME P CAVALUZZI
Contact Phone: (734) 953-4341
Impressed Device: No
Install Date: Apr 15 1968
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00002265
Facility Status: CLOSED
Tank ID: 3
Owner: Gedoa's Inc

Site	Database(s)	EDR ID Number EPA ID Number

SHELL SERVICE STATION (Continued) U003319717

Owner Country: USA
Owner Contact: Not reported
Owner Address: 1415 Telegraph Rd
Bloomfield Hills, MI 48302
Owner Phone: 248-421-7510
Product: Gasoline
Capacity: 4000
Tank Status: Removed from Ground
Remove Date: Apr 6 1998
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Pressure
Contact: JEROME P CAVALUZZI
Contact Phone: (734) 953-4341
Impressed Device: No
Install Date: Apr 15 1968
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00002265
Facility Status: CLOSED
Tank ID: 4
Owner: Gedoa's Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1415 Telegraph Rd
Bloomfield Hills, MI 48302
Owner Phone: 248-421-7510
Product: Gasoline
Capacity: 4000
Tank Status: Removed from Ground
Remove Date: Apr 6 1998
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Pressure
Contact: JEROME P CAVALUZZI
Contact Phone: (734) 953-4341
Impressed Device: No
Install Date: Apr 15 1968
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00002265
Facility Status: CLOSED
Tank ID: 5
Owner: Gedoa's Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1415 Telegraph Rd
Bloomfield Hills, MI 48302
Owner Phone: 248-421-7510
Product: Gasoline
Capacity: 10000
Tank Status: Removed from Ground
Remove Date: Apr 6 1998

Site	Database(s)	EDR ID Number EPA ID Number

SHELL SERVICE STATION (Continued) U003319717

Constr Material: Fiberglass Reinforced plastic
Piping Material: Galvanized Steel
Piping Type: Pressure
Contact: JEROME P CAVALUZZI
Contact Phone: (734) 953-4341
Impressed Device: No
Install Date: Apr 15 1969
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00002265
Facility Status: CLOSED
Tank ID: 6
Owner: Gedoa's Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1415 Telegraph Rd
Bloomfield Hills, MI 48302
Owner Phone: 248-421-7510
Product: Used Oil
Capacity: 550
Tank Status: Removed from Ground
Remove Date: Apr 6 1998
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Pressure
Contact: JEROME P CAVALUZZI
Contact Phone: (734) 953-4341
Impressed Device: No
Install Date: Apr 15 1952
Release Detection:
Tank: Groundwater Monitoring,Manual Tank Gauging,Tank Tightness Testing
Pipe: Automatic Line Leak Detectors,GroundWater Monitoring,Interstitial Monitoring/Second Containment,Line Tightness Testing

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WABEEK COUNTRY CLUB MAINTENANCE BLDG **UST** **U003867278**
4400 WABEEK LAKE DR **N/A**
BLOOMFIELD HILLS, MI 48302

UST:
Facility ID: 00014587
Facility Status: ACTIVE
Tank ID: 2
Owner: Wabeek Country Club
Owner Country: USA
Owner Contact: Not reported
Owner Address: 4000 Clubgate Dr
Bloomfield Hills, MI 48302
Owner Phone: 248-855-0700
Product: Used Oil
Capacity: 250
Tank Status: Removed from Ground
Remove Date: Oct 21 1992
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Suction: No Valve At Tank
Contact: Ken Debusscher

Site	Database(s)	EDR ID Number EPA ID Number
WABEEK COUNTRY CLUB MAINTENANCE BLDG (Continued)		U003867278

Contact Phone: 248-855-0716
Impressed Device: No
Install Date: May 4 1976
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00014587
Facility Status: ACTIVE
Tank ID: 4
Owner: Wabeek Country Club
Owner Country: USA
Owner Contact: Not reported
Owner Address: 4000 Clubgate Dr
Bloomfield Hills, MI 48302
Owner Phone: 248-855-0700
Product: Diesel
Capacity: 1000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Double Walled,Fiberglass Reinforced plastic,Perma Tank
Piping Material: Double Walled,Fiberglass reinforced plastic
Piping Type: Suction: No Valve At Tank
Contact: Ken Debusscher
Contact Phone: 248-855-0716
Impressed Device: No
Install Date: Jan 6 1992
Release Detection:
Tank: Tank Tightness Testing
Pipe: European

Facility ID: 00014587
Facility Status: ACTIVE
Tank ID: 3
Owner: Wabeek Country Club
Owner Country: USA
Owner Contact: Not reported
Owner Address: 4000 Clubgate Dr
Bloomfield Hills, MI 48302
Owner Phone: 248-855-0700
Product: Gasoline
Capacity: 300
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Double Walled,Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Suction: No Valve At Tank
Contact: Ken Debusscher
Contact Phone: 248-855-0716
Impressed Device: No
Install Date: Jan 6 1992
Release Detection:
Tank: Tank Tightness Testing
Pipe: European

Facility ID: 00014587
Facility Status: ACTIVE

Site	Database(s)	EDR ID Number EPA ID Number

WABEEK COUNTRY CLUB MAINTENANCE BLDG (Continued) U003867278

Tank ID: 1
Owner: Wabeek Country Club
Owner Country: USA
Owner Contact: Not reported
Owner Address: 4000 Clubgate Dr
Bloomfield Hills, MI 48302
Owner Phone: 248-855-0700
Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Oct 2 1992
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Suction: No Valve At Tank
Contact: Ken Debusscher
Contact Phone: 248-855-0716
Impressed Device: No
Install Date: May 4 1980
Release Detection:
Tank: Not reported
Pipe: Not reported

WABEEK COUNTRY CLUB MAINTENANCE BLDG **LUST** **S105551002**
4400 WABEEK LAKE DR **N/A**
BLOOMFIELD HILLS, MI 48302

LUST:
Facility ID: 00014587
Release Date: Nov 2 1992
Facility Status: **Closed**
District: SE Michigan District Office
Closed Date: Jan 13 1998
Owner Contact : Not reported
Owner Name : Wabeek Country Club
Owner Address : 4000 Clubgate Dr
Bloomfield Hills, MI 48302
Country : USA
Owner Phone : 248-855-0700
Leak Number: C-2090-92
Site Name : Maintenance Facility
Substance Released : Gasoline

Facility ID: 00014587
Release Date: Nov 18 1992
Facility Status: **Closed**
District: SE Michigan District Office
Closed Date: Jan 13 1998
Owner Contact : Not reported
Owner Name : Wabeek Country Club
Owner Address : 4000 Clubgate Dr
Bloomfield Hills, MI 48302
Country : USA
Owner Phone : 248-855-0700
Leak Number: C-2045-92
Site Name : Wabeek Country Club, Maintenance
Substance Released : Used Oil

Site	Database(s)	EDR ID Number EPA ID Number
BLOOMFIELD OFFICE CENTER **38505 NORTH WOODWARD** **BLOOMFIELD HILLS, MI 48302**	**RCRA-SQG**	**1007100714** **MIK869591198**

RCRAInfo:
- Owner: HAYMAN CO
- EPA ID: MIK869591198
- Contact: DAVID BROWN
  (248) 879-7777
- Classification: Small Quantity Generator
- TSDF Activities: Not reported
- Violation Status: No violations found

DRYCLEAN DEPOT LLC **2527 TELEGRAPH ROAD** **BLOOMFIELD TWP, MI 48302**	**DRYCLEANERS**	**S107596874** **N/A**

Drycleaners:

Facility Id :	6300289
New Owner As Of :	Not reported
Owner/operator Name :	DRYCLEAN DEPOT LLC C/O RICHARD ATTO
Owner/operator Phone :	(248) 245-1555
Manager/contact Name :	Not reported
Last Mdeq Inspection :	February 08, 2006
Current Year Fee :	$688.47
Total Machines :	2
Actual Machines :	2
Pounds :	141
Dryers :	0
Type :	Commercial dry to dry
Status :	Not in compliance
Last License # Issued :	6677 for 2006

RITE AID OF MICHIGAN **390,370-380,358-360 / 352-354 MARTIN** **PONTIAC, MI**	**BEA**	**S104912001** **N/A**

BEA:

Petition Disclosure:	1
BEA Number:	749
District:	Southeast MI
Date Received:	1998-10-23 00:00:00
Submitter Name:	RITE AID OF MICHIGAN
Petition Determination:	Affirmed
Category:	Different Hazardous Substance(s)
Determination 20107A:	Pending
Reviewer:	temppm
Division Assigned:	Storage Tank Division
Secondary Address:	LUTHER KING BOULEVARD

Site	Database(s)	EDR ID Number EPA ID Number

MANVILLE MANUFACTURING COMPANY **BEA** **S106676457**
341 AND 342 ROCKWELL AVENUE **N/A**
PONTIAC, MI 48341

BEA:
Petition Disclosure: 0
BEA Number: 2615
District: Southeast MI
Date Received: 2004-12-08 00:59:00
Submitter Name: Rockwell Properties, LLC
Petition Determination: No Request
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mathewsb
Division Assigned: Environmental Response Division
Secondary Address: Not reported

MI DEPT/TRANSPORTATION BRIDGE S01-63052 **RCRA-SQG** **1000465321**
US-10 AT ORCHARD LAKE RD **FINDS** **MID985599539**
PONTIAC, MI 48341

RCRAInfo:
Owner: MICH DEPT OF TRANSPORTATION
EPA ID: MID985599539

Contact: RONALD BELSCHER
(313) 373-4900

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

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

GM TRUCK AND BUS PONTIAC CENTRAL **SHWS** **1003834459**
660 S. BLVD. E **N/A**
PONTIAC, MI 48341

SHWS:
Facility ID: 63000048
Source: null
Facility Status: Inactive - no actions taken to address contamination
Pollutants : CN
SAM Score: 24 out of 48
SAM Score Date: 07/08/1991
Township: 03N
Range: 10E
Section: 34
Quarter: SE
Quarter/Quarter: SW

Site	Database(s)	EDR ID Number EPA ID Number
FORMER WINTER PROPERTY **560 S BOULEVARD EAST** **PONTIAC, MI 48341**	**LUST** **UST**	**U003758789** **N/A**

LUST:

Facility ID:	00040304
Release Date:	Dec 8 1999
Facility Status:	**Open**
District:	SE Michigan District Office
Closed Date:	Not reported
Owner Contact :	Not reported
Owner Name :	General Motors Corp
Owner Address :	Argonaut A Building MC 482-310-004 485 W Milwaukee Detroit, MI 48202
Country :	USA
Owner Phone :	313-556-0915
Leak Number:	C-1285-99
Site Name :	Former Winter Property
Substance Released	Unknown

UST:

Facility ID:	00040304
Facility Status:	CLOSED
Tank ID:	1
Owner:	General Motors Corp
Owner Country:	USA
Owner Contact:	Not reported
Owner Address:	Argonaut A Building MC 482-310-004 485 W Milwaukee Detroit, MI 48202
Owner Phone:	313-556-0915
Product:	Gasoline
Capacity:	12000
Tank Status:	Removed from Ground
Remove Date:	Nov 5 1999
Constr Material:	Asphalt Coated or Bare Steel
Piping Material:	Bare Steel
Piping Type:	Suction: No Valve At Tank
Contact:	G KEITH WEST
Contact Phone:	(313) 556-0821
Impressed Device:	No
Install Date:	Not reported
Release Detection:	
Tank:	Not reported
Pipe:	Not reported

Facility ID:	00040304
Facility Status:	CLOSED
Tank ID:	2
Owner:	General Motors Corp
Owner Country:	USA
Owner Contact:	Not reported
Owner Address:	Argonaut A Building MC 482-310-004 485 W Milwaukee Detroit, MI 48202
Owner Phone:	313-556-0915
Product:	Diesel
Capacity:	12000
Tank Status:	Removed from Ground
Remove Date:	Nov 5 1999
Constr Material:	Asphalt Coated or Bare Steel

Site	Database(s)	EDR ID Number EPA ID Number

FORMER WINTER PROPERTY (Continued) U003758789

Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Contact: G KEITH WEST
Contact Phone: (313) 556-0821
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

BRANCH & GILLESPIE STREETS **BROWNFIELDS** **S107135828**
BRANCH / GILESPIE ROADS **N/A**
PONTIAC, MI

Brownfield:
Facility ID: 63001013
Status: Closed
Property Use: Not reported
Summary: Not reported
Market: Not reported
Comments: Not reported

CITY OF PONTIAC **RCRA-SQG** **1007102343**
CORNER SANFORD & CENTRAL **MIP200001705**
PONTIAC, MI 48342

RCRAInfo:
Contact: OFFICER CORKE
(248) 333-7001

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

MICHIGAN CAT RENTAL SERVICES **BEA** **S104912294**
SW CORNER OF WIDE TRACK DRIVE **N/A**
PONTIAC, MI

BEA:
Petition Disclosure: 1
BEA Number: 913
District: Southeast MI
Date Received: 1999-06-08 00:00:00
Submitter Name: MICHIGAN CAT RENTAL SERIVCES
Petition Determination: Denied
Category: Same Hazardous Substance(s)
Determination 20107A: Denied
Reviewer: temppm
Division Assigned: Environmental Response Division
Secondary Address: AND OAKLAND AVENUE

Site	Database(s)	EDR ID Number EPA ID Number
PEPSI-COLA PONTIAC WAREHOUSE **960 FEATHERSTONE ST** **PONTIAC, MI 48342**	**LUST** **PEAS** **UST**	**U000263107** **N/A**

LUST:

Facility ID:	00016323
Release Date:	Jun 18 1992
Facility Status:	**Closed**
District:	SE Michigan District Office
Closed Date:	Dec 18 1995
Owner Contact :	Not reported
Owner Name :	Pepsi Cola Bottling Group
Owner Address :	960 Featherstone St Pontiac, MI 48342
Country :	USA
Owner Phone :	(248) 334-3512
Leak Number:	C-0999-92
Site Name :	Pepsi-cola
Substance Released	Diesel

MI PEAS:

PEAS Number :	Not reported
Incident Date :	04/26/04
Date Of PEAS Call :	Not reported
Complainant / Company :	Bob Galvan, Project Manager, Pepsi Bottling Group
Complainant Location :	Not reported
Complainant Address :	Not reported
Complainant Phone :	Not reported
Company Involved :	Pepsi Bottling Group
Company Involved Address :	Not reported
Township Of Incident :	Not reported
Name/Volume Of Contaminant :	diesel fuel 40 gallons
Surface Water Involved ? :	Not reported
Dispatched To District Staff :	Annette
DEQ Division Involved :	DEQ Livonia, Ray Spaulding
Date Dispatch :	Not reported
Description :	Not reported
Incident Desc :	Attempt to steal pepsi truck led 2 trucks to sideswipe, rupturing the saddle tank on the stolen truck,releasing about 40 gallons of deisel fuel to Pepsi parking lot asphalt; Young's Environmental cleaned it up by 430a 4-26-04.

UST:

Facility ID:	00016323
Facility Status:	CLOSED
Tank ID:	1
Owner:	Pepsi Cola Bottling Group
Owner Country:	USA
Owner Contact:	Not reported
Owner Address:	960 Featherstone St Pontiac, MI 48342
Owner Phone:	(248) 334-3512
Product:	Not reported
Capacity:	10000
Tank Status:	Removed from Ground
Remove Date:	Jun 29 1992
Constr Material:	Unknown
Piping Material:	Unknown
Piping Type:	Not reported
Contact:	MR. HAROLD DEFOUW

Site	Database(s)	EDR ID Number EPA ID Number

PEPSI-COLA PONTIAC WAREHOUSE (Continued) U000263107

Contact Phone: (734) 334-3512
Impressed Device: No
Install Date: Apr 8 1981
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016323
Facility Status: CLOSED
Tank ID: 2
Owner: Pepsi Cola Bottling Group
Owner Country: USA
Owner Contact: Not reported
Owner Address: 960 Featherstone St
Pontiac, MI 48342
Owner Phone: (248) 334-3512
Product: Not reported
Capacity: 10000
Tank Status: Removed from Ground
Remove Date: Jun 30 1992
Constr Material: Fiberglass Reinforced plastic
Piping Material: Unknown
Piping Type: Not reported
Contact: MR. HAROLD DEFOUW
Contact Phone: (734) 334-3512
Impressed Device: No
Install Date: Apr 8 1981
Release Detection:
Tank: Not reported
Pipe: Not reported

AKZO NOBEL COATINGS INC **RCRA-LQG** **1007101454**
120 FRANKLIN **MIK978481398**
PONTIAC, MI 48341

RCRAInfo:
Owner: AKZO NOBEL COATINGS INC
EPA ID: MIK978481398

Contact: RICHARD CALLEWAERT
(248) 451-6235

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2003

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	40328.51	F003	184077.39
F005	7841.25		

Site	Database(s)	EDR ID Number EPA ID Number

AKZO NOBEL COATINGS INC (Continued) 1007101454

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	09/21/2004
Actual Date Achieved Compliance:	11/16/2004
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/29/2004
Penalty Type:	Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20041116

AKZO NOBEL COATINGS INC **FINDS 1007140527**
120 FRANKLIN **AST 110015888912**
PONTIAC, MI 48341

FINDS:

Other Pertinent Environmental Activity Identified at Site:

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AST:

Facility ID:	91084535
Tank ID:	TS-101
Type:	ACTIVE
Tank Status:	Currently In Use
Content:	Wash Solvent
Capacity:	12000
Owner:	Akzo-Noble
Owner Address:	45 Spaulding Dr Norcross, GA 30092
Owner Contact:	Tim Evans
Owner Country:	USA
District:	SE Michigan District Office
Install Date:	Not reported
Close Date:	Not reported
Facility Phone:	Not reported
Contact:	Not reported

Facility ID:	91084535
Tank ID:	TS-102
Type:	ACTIVE
Tank Status:	Currently In Use
Content:	PM Acetate
Capacity:	12000
Owner:	Akzo-Noble
Owner Address:	45 Spaulding Dr Norcross, GA 30092
Owner Contact:	Tim Evans
Owner Country:	USA
District:	SE Michigan District Office
Install Date:	Not reported
Close Date:	Not reported

Site	Database(s)	EDR ID Number EPA ID Number

AKZO NOBEL COATINGS INC (Continued) 1007140527

Facility Phone: Not reported
Contact: Not reported

Facility ID: 91084535
Tank ID: TS-103
Type: ACTIVE
Tank Status: Currently In Use
Content: Xylene
Capacity: 12000
Owner: Akzo-Noble
Owner Address: 45 Spaulding Dr
Norcross, GA 30092
Owner Contact: Tim Evans
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Not reported
Facility Phone: Not reported
Contact: Not reported

Facility ID: 91084535
Tank ID: TS-104
Type: ACTIVE
Tank Status: Currently In Use
Content: Mineral Spirits
Capacity: 12000
Owner: Akzo-Noble
Owner Address: 45 Spaulding Dr
Norcross, GA 30092
Owner Contact: Tim Evans
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Not reported
Facility Phone: Not reported
Contact: Not reported

Facility ID: 91084535
Tank ID: TS-105
Type: ACTIVE
Tank Status: Currently In Use
Content: EXXSOL D80
Capacity: 12000
Owner: Akzo-Noble
Owner Address: 45 Spaulding Dr
Norcross, GA 30092
Owner Contact: Tim Evans
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Not reported
Facility Phone: Not reported
Contact: Not reported

Facility ID: 91084535
Tank ID: TS-106
Type: ACTIVE

Site	Database(s)	EDR ID Number EPA ID Number

AKZO NOBEL COATINGS INC (Continued) 1007140527

Tank Status: Currently In Use
Content: Methyl Isobutyl Ketone
Capacity: 12000
Owner: Akzo-Noble
Owner Address: 45 Spaulding Dr
Norcross, GA 30092
Owner Contact: Tim Evans
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Not reported
Facility Phone: Not reported
Contact: Not reported

Facility ID: 91084535
Tank ID: TS-107
Type: ACTIVE
Tank Status: Currently In Use
Content: n-Butyl Acetate
Capacity: 12000
Owner: Akzo-Noble
Owner Address: 45 Spaulding Dr
Norcross, GA 30092
Owner Contact: Tim Evans
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Not reported
Facility Phone: Not reported
Contact: Not reported

Facility ID: 91084535
Tank ID: TS-108
Type: ACTIVE
Tank Status: Currently In Use
Content: n-Butyl Acetate
Capacity: 12000
Owner: Akzo-Noble
Owner Address: 45 Spaulding Dr
Norcross, GA 30092
Owner Contact: Tim Evans
Owner Country: USA
District: SE Michigan District Office
Install Date: Not reported
Close Date: Not reported
Facility Phone: Not reported
Contact: Not reported

SUNOCO SERVICE STATION **RCRA-SQG 1000331099**
7660 HIGHLAND RD **FINDS MID000678581**
PONTIAC, MI 48341

Site	Database(s)	EDR ID Number EPA ID Number

SUNOCO SERVICE STATION (Continued) 1000331099

RCRAInfo:
Owner: SUNOCO SERVICE STATION
EPA ID: MID000678581

Contact: GIL LOVELL
(313) 358-2540

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

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

MINIT LUBE 1036 **RCRA-SQG 1000465135**
7585 HIGHLAND RD **FINDS MID985597624**
PONTIAC, MI 48341

RCRAInfo:
Owner: QUAKER STATE MINIT LUBE INC
EPA ID: MID985597624

Contact: CHRIS CONTRERAS
(313) 666-9472

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

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

HOWLAND AND LUTHER STREETS, VACANT LOT **BROWNFIELDS S107135829**
HOWLAND AND LUTHER STREETS **N/A**
PONTIAC, MI

Brownfield:
Facility ID: 63001014
Status: Closed
Property Use: Not reported
Summary: Not reported
Market: Not reported
Comments: Not reported

Site	Database(s)	EDR ID Number EPA ID Number
EQUILON ENTERPRISES, LLC **510 WEST HURON** **PONTIAC, MI 48341**	**AUL**	**S107543752** **N/A**

MI INST CONTROL:
- Facility ID : 00010373
- MDEQ Reference # : RC-RRD-213-05-176
- Record Date : 04/04/01

Site	Database(s)	EDR ID Number EPA ID Number
DETROIT NEWSPAPERS **70 EAST INDUSTRIAL DRIVE** **PONTIAC, MI 48342**	**BEA**	**S105542001** **N/A**

BEA:
- Petition Disclosure: 1
- BEA Number: 1662
- District: Southeast MI
- Date Received: 2002-04-04 00:59:00
- Submitter Name: Detroit Newspapers
- Petition Determination: Affirmed
- Category: No Hazardous Substance(s)
- Determination 20107A: Pending
- Reviewer: mathewsb
- Division Assigned: Environmental Response Division
- Secondary Address: Not reported

Site	Database(s)	EDR ID Number EPA ID Number
1824 W. LAWRENCE **1824 W. LAWRENCE** **PONTIAC, MI**	**US BROWNFIELDS**	**1007266554** **N/A**

US BROWNFIELDS:
- Pilot Name: Oakland County, MI
- EPA ID: Not reported
- Latitude: Not reported
- Longitude: Not reported
- Assessment: 9/30/2002

Site	Database(s)	EDR ID Number EPA ID Number
DIAL DRY CLEANERS **640 MARTIN LUTHER KING BLVD.** **PONTIAC, MI 48342**	**DRYCLEANERS**	**S106439641** **N/A**

Drycleaners:
- Facility Id : 6300084
- New Owner As Of : Not reported
- Owner/operator Name : MEE SUG LEE
- Owner/operator Phone : (248) 334-6916
- Manager/contact Name : MR. YOUNG MOO LEE
- Last Mdeq Inspection : November 18, 2005
- Current Year Fee : $297.60
- Total Machines : 1
- Actual Machines : 1
- Pounds : 40
- Dryers : 0
- Type : Commercial dry to dry
- Status : Compliance
- Last License # Issued : 6139 for 2006

Site	Database(s)	EDR ID Number EPA ID Number

RALLY'S RESTAURANT (FORMER) **BEA** **S104911457**
684 NORTH MARTIN LUTHER KING BLVD. **N/A**
PONTIAC, MI

BEA:
Petition Disclosure: 1
BEA Number: 473
District: Southeast MI
Date Received: 1997-11-12 00:00:00
Submitter Name: AGREE REALTY CORPORATION
Petition Determination: Denied
Category: No Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: temppm
Division Assigned: Storage Tank Division
Secondary Address: Not reported

RALLY'S RESTAURANT(FORMER) **BEA** **S104911714**
684 NORTH MARTIN LUTHER KING BLVD. **N/A**
PONTIAC, MI

BEA:
Petition Disclosure: 1
BEA Number: 588
District: Southeast MI
Date Received: 1998-04-10 00:00:00
Submitter Name: AGREE REALTY CORPORATION
Petition Determination: Affirmed
Category: Different Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: temppm
Division Assigned: Storage Tank Division
Secondary Address: Not reported

HARRIS LAKE PARK DEVELOPMENT **BEA** **S104912087**
MONTCALM STREET WEST OF SAGINAW **N/A**
PONTIAC, MI

BEA:
Petition Disclosure: 1
BEA Number: 796
District: Southeast MI
Date Received: 1999-01-04 00:00:00
Submitter Name: YOUR HOME CO., INC.
Petition Determination: Affirmed
Category: No Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: temppm
Division Assigned: Environmental Response Division
Secondary Address: Not reported

CITY OF PONTIAC - WATER AND SEWER MAINTENANCE DIVI **AUL** **S107543673**
522 SOUTH OPDYKE ROAD **N/A**
PONTIAC, MI 48341

MI INST CONTROL:
Facility ID : 00014732
MDEQ Reference # : NCA-RRD-213-05-090
Record Date : 02/05/02

Site	Database(s)	EDR ID Number EPA ID Number

ORCHARD LAKE ROAD **LUST** **S103285248**
494 ORCHARD LK RD **N/A**
PONTIAC, MI 48341

LUST:
Facility ID: 50002248
Release Date: Jul 2 1998
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Aug 18 1998
Owner Contact : Not reported
Owner Name : City of Pontiac
Owner Address : 55 Wesson St
Pontiac, MI 48341
Country : USA
Owner Phone : (248) 857-7746
Leak Number: C-0574-98
Site Name : Orchard Lake Road
Substance Released : Gasoline

SCHROEDER SUNOCO **AUL** **S107544026**
440 N. PADDOCK STREET **N/A**
PONTIAC, MI 48342

MI INST CONTROL:
Facility ID : 00005405
MDEQ Reference # : RC-RRD-213-04-619
Record Date : 06/28/96

ALL SAINTS EPISCOPAL CHURCH **RCRA-SQG** **1007096917**
171 W PIKE **MIK271238222**
PONTIAC, MI 48341

RCRAInfo:
Contact: GARY BEEBE
(248) 334-4571

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

SUN VALLEY PROPERTIES **BROWNFIELDS** **S107135866**
675 S. SAGINAW **N/A**
PONTIAC, MI 48341

Brownfield:
Facility ID: 00037279
Status: In Progress
Property Use: Not reported
Summary: Not reported
Market: Not reported
Comments: Free product present under building

Site	Database(s)	EDR ID Number EPA ID Number

EXPANSION FUNDS INC **LUST** **S102851904**
447 S SAGINAW **N/A**
PONTIAC, MI 48341

LUST:

Facility ID:	50001711
Release Date:	Jan 1 1900
Facility Status:	**Open**
District:	SE Michigan District Office
Closed Date:	Not reported
Owner Contact :	Not reported
Owner Name :	Greenburg Realty Corp
Owner Address :	PO Box 27618
	Houston, TX 77227
Country :	USA
Owner Phone :	(713) 960-1084
Leak Number:	C-1367-85
Site Name :	Expansion Funds Inc
Substance Released	Not reported

Facility ID:	50001711
Release Date:	Aug 2 1995
Facility Status:	**Open**
District:	SE Michigan District Office
Closed Date:	Not reported
Owner Contact :	Not reported
Owner Name :	Greenburg Realty Corp
Owner Address :	PO Box 27618
	Houston, TX 77227
Country :	USA
Owner Phone :	(713) 960-1084
Leak Number:	C-0852-95
Site Name :	Expansion Funds Inc
Substance Released	Unknown,Unknown

PONTIAC WEST ASSEMBLY **LUST** **U000262918**
600 S SAGINAW ST **UST** **N/A**
PONTIAC, MI 48341

LUST:

Facility ID:	00016231
Release Date:	Jan 1 1900
Facility Status:	**Closed**
District:	SE Michigan District Office
Closed Date:	Dec 22 1995
Owner Contact :	Not reported
Owner Name :	Truck & Bus Group GM Corp
Owner Address :	31 E Judson St
	Pontiac, MI 48342
Country :	USA
Owner Phone :	(248) 456-4381
Leak Number:	C-0707-85
Site Name :	GM Truck & Bus - West
Substance Released	Not reported

Facility ID:	00016231
Release Date:	Aug 16 1995
Facility Status:	**Closed**
District:	SE Michigan District Office
Closed Date:	Dec 28 1995

Site	Database(s)	EDR ID Number EPA ID Number

PONTIAC WEST ASSEMBLY (Continued) U000262918

Owner Contact : Not reported
Owner Name : Truck & Bus Group GM Corp
Owner Address : 31 E Judson St
Pontiac, MI 48342
Country : USA
Owner Phone : (248) 456-4381
Leak Number: C-0942-95
Site Name : Pontiac West Assembly
Substance Released Gasoline

Facility ID: 00016231
Release Date: Aug 15 1995
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Dec 22 1995
Owner Contact : Not reported
Owner Name : Truck & Bus Group GM Corp
Owner Address : 31 E Judson St
Pontiac, MI 48342
Country : USA
Owner Phone : (248) 456-4381
Leak Number: C-0941-95
Site Name : Pontiac West Assembly
Substance Released Unknown

UST:
Facility ID: 00016231
Facility Status: CLOSED
Tank ID: 1
Owner: Truck & Bus Group GM Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 31 E Judson St
Pontiac, MI 48342
Owner Phone: (248) 456-4381
Product: Gasoline
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: Sep 1 1995
Constr Material: Fiberglass Reinforced plastic
Piping Material: Copper
Piping Type: Not reported
Contact: RANDY J ALDERSON
Contact Phone: (248) 456-4381
Impressed Device: No
Install Date: Apr 23 1972
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016231
Facility Status: CLOSED
Tank ID: 2
Owner: Truck & Bus Group GM Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 31 E Judson St

Site	Database(s)	EDR ID Number EPA ID Number
PONTIAC WEST ASSEMBLY (Continued)		U000262918

Pontiac, MI 48342
Owner Phone: (248) 456-4381
Product: Used Oil
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: Sep 1 1995
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Contact: RANDY J ALDERSON
Contact Phone: (248) 456-4381
Impressed Device: No
Install Date: Apr 23 1954
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016231
Facility Status: CLOSED
Tank ID: 3
Owner: Truck & Bus Group GM Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 31 E Judson St
Pontiac, MI 48342
Owner Phone: (248) 456-4381
Product: Used Oil
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: Sep 1 1995
Constr Material: Asphalt Coated or Bare Steel
Piping Material: NOT BURIED
Piping Type: Not reported
Contact: RANDY J ALDERSON
Contact Phone: (248) 456-4381
Impressed Device: No
Install Date: Apr 23 1954
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016231
Facility Status: CLOSED
Tank ID: 4
Owner: Truck & Bus Group GM Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 31 E Judson St
Pontiac, MI 48342
Owner Phone: (248) 456-4381
Product: Used Oil
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: Jan 1 1979
Constr Material: Asphalt Coated or Bare Steel
Piping Material: NOT BURIED
Piping Type: Not reported

Site	Database(s)	EDR ID Number EPA ID Number
PONTIAC WEST ASSEMBLY (Continued)		U000262918

Contact: RANDY J ALDERSON
Contact Phone: (248) 456-4381
Impressed Device: No
Install Date: Apr 23 1954
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016231
Facility Status: CLOSED
Tank ID: 5
Owner: Truck & Bus Group GM Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 31 E Judson St
Pontiac, MI 48342
Owner Phone: (248) 456-4381
Product: Used Oil
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: Sep 1 1995
Constr Material: Asphalt Coated or Bare Steel
Piping Material: NOT BURIED
Piping Type: Not reported
Contact: RANDY J ALDERSON
Contact Phone: (248) 456-4381
Impressed Device: No
Install Date: Apr 23 1954
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016231
Facility Status: CLOSED
Tank ID: 6
Owner: Truck & Bus Group GM Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 31 E Judson St
Pontiac, MI 48342
Owner Phone: (248) 456-4381
Product: PAINT/WATER,
Capacity: 1500
Tank Status: Removed from Ground
Remove Date: Jul 14 1995
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: RANDY J ALDERSON
Contact Phone: (248) 456-4381
Impressed Device: No
Install Date: Apr 23 1977
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016231

Site	Database(s)	EDR ID Number EPA ID Number
PONTIAC WEST ASSEMBLY (Continued)		U000262918

Facility Status: CLOSED
Tank ID: 7
Owner: Truck & Bus Group GM Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 31 E Judson St
Pontiac, MI 48342
Owner Phone: (248) 456-4381
Product: PAINT SOLVENT,Hazardous Substance
Capacity: 3500
Tank Status: Removed from Ground
Remove Date: Dec 1 1988
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: RANDY J ALDERSON
Contact Phone: (248) 456-4381
Impressed Device: No
Install Date: Apr 23 1966
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016231
Facility Status: CLOSED
Tank ID: 8
Owner: Truck & Bus Group GM Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 31 E Judson St
Pontiac, MI 48342
Owner Phone: (248) 456-4381
Product: PANIT/WATER,
Capacity: 9500
Tank Status: Removed from Ground
Remove Date: Jul 14 1995
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: RANDY J ALDERSON
Contact Phone: (248) 456-4381
Impressed Device: No
Install Date: Apr 23 1966
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016231
Facility Status: CLOSED
Tank ID: 9
Owner: Truck & Bus Group GM Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 31 E Judson St
Pontiac, MI 48342
Owner Phone: (248) 456-4381
Product: Hazardous Substance

Site	Database(s)	EDR ID Number EPA ID Number

PONTIAC WEST ASSEMBLY (Continued) U000262918

Capacity: 8000
Tank Status: Removed from Ground
Remove Date: Jan 1 1986
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: RANDY J ALDERSON
Contact Phone: (248) 456-4381
Impressed Device: No
Install Date: Apr 24 1967
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016231
Facility Status: CLOSED
Tank ID: 12
Owner: Truck & Bus Group GM Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 31 E Judson St
Pontiac, MI 48342
Owner Phone: (248) 456-4381
Product: WATER & OILS
Capacity: 480
Tank Status: Removed from Ground
Remove Date: Aug 1 1995
Constr Material: Concrete
Piping Material: NOT BURIED
Piping Type: Not reported
Contact: RANDY J ALDERSON
Contact Phone: (248) 456-4381
Impressed Device: No
Install Date: Apr 23 1981
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016231
Facility Status: CLOSED
Tank ID: 13
Owner: Truck & Bus Group GM Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 31 E Judson St
Pontiac, MI 48342
Owner Phone: (248) 456-4381
Product: WATER & OILS
Capacity: 750
Tank Status: Removed from Ground
Remove Date: Aug 1 1995
Constr Material: Concrete
Piping Material: NOT BURED
Piping Type: Not reported
Contact: RANDY J ALDERSON
Contact Phone: (248) 456-4381
Impressed Device: No

Site	Database(s)	EDR ID Number EPA ID Number

PONTIAC WEST ASSEMBLY (Continued) U000262918

Install Date: Apr 23 1977
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016231
Facility Status: CLOSED
Tank ID: 14
Owner: Truck & Bus Group GM Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 31 E Judson St
Pontiac, MI 48342
Owner Phone: (248) 456-4381
Product: WATER & OILS
Capacity: 3100
Tank Status: Removed from Ground
Remove Date: Aug 1 1995
Constr Material: Concrete
Piping Material: NOT BURIED
Piping Type: Not reported
Contact: RANDY J ALDERSON
Contact Phone: (248) 456-4381
Impressed Device: No
Install Date: Apr 23 1981
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016231
Facility Status: CLOSED
Tank ID: 15
Owner: Truck & Bus Group GM Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 31 E Judson St
Pontiac, MI 48342
Owner Phone: (248) 456-4381
Product: PAINT & WATER
Capacity: 8000
Tank Status: Removed from Ground
Remove Date: Aug 1 1995
Constr Material: Concrete
Piping Material: NOT BURIED
Piping Type: Gravity Fed?,Suction: No Valve At Tank
Contact: RANDY J ALDERSON
Contact Phone: (248) 456-4381
Impressed Device: No
Install Date: Jan 1 1981
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016231
Facility Status: CLOSED
Tank ID: NRT16
Owner: Truck & Bus Group GM Corp

Site	Database(s)	EDR ID Number EPA ID Number

PONTIAC WEST ASSEMBLY (Continued) U000262918

Owner Country: USA
Owner Contact: Not reported
Owner Address: 31 E Judson St
Pontiac, MI 48342
Owner Phone: (248) 456-4381
Product: Gasoline
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: Aug 15 1995
Constr Material: Not reported
Piping Material: Not reported
Piping Type: Not reported
Contact: RANDY J ALDERSON
Contact Phone: (248) 456-4381
Impressed Device: No
Install Date: Jan 1 1965
Release Detection:
Tank: Not reported
Pipe: Not reported

SUN VALLEY PROPERTIES INC **LUST U001148635**
675 S SAGINAW ST **UST N/A**
PONTIAC, MI 48341

LUST:

Facility ID: 00037279
Release Date: Mar 25 1993
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Sun Valley Prop Inc
Owner Address : 45108 Woodward Ave Suite 400
Pontiac, MI 48341
Country : USA
Owner Phone : (248) 332-8808
Leak Number: C-0377-93
Site Name : Sun Valley Properties
Substance Released : Gasoline

Facility ID: 00037279
Release Date: Mar 17 1993
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Sun Valley Prop Inc
Owner Address : 45108 Woodward Ave Suite 400
Pontiac, MI 48341
Country : USA
Owner Phone : (248) 332-8808
Leak Number: C-0350-93
Site Name : Sun Valley Properties
Substance Released : Used Oil

UST:

Facility ID: 00037279
Facility Status: CLOSED
Tank ID: 1

Site	Database(s)	EDR ID Number EPA ID Number

SUN VALLEY PROPERTIES INC (Continued) U001148635

Owner: Sun Valley Prop Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45108 Woodward Ave Suite 400
Pontiac, MI 48341
Owner Phone: (248) 332-8808
Product: Gasoline
Capacity: 4000
Tank Status: Removed from Ground
Remove Date: Mar 25 1993
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Contact: Richard Bouchard
Contact Phone: (248) 332-8808
Impressed Device: No
Install Date: Jan 1 1968
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00037279
Facility Status: CLOSED
Tank ID: 2
Owner: Sun Valley Prop Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 45108 Woodward Ave Suite 400
Pontiac, MI 48341
Owner Phone: (248) 332-8808
Product: Used Oil
Capacity: 500
Tank Status: Removed from Ground
Remove Date: Mar 25 1993
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Gravity Fed?
Contact: Richard Bouchard
Contact Phone: (248) 332-8808
Impressed Device: No
Install Date: Jan 1 1968
Release Detection:
Tank: Not reported
Pipe: Not reported

FREIBORNE INDUSTRIES INC **FINDS 1001220201**
15 W SILVERDOME INDUSTRIAL PAR **RCRA-LQG MIR000031906**
PONTIAC, MI 48342

Site	Database(s)	EDR ID Number EPA ID Number
FREIBORNE INDUSTRIES INC (Continued)		1001220201

RCRAInfo:
Owner: GILL A. COLM
EPA ID: MIR000031906

Contact: STEPHEN PELLOW II
(248) 333-2490

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2003

Waste	Quantity (Lbs)
D002	79933.28

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 01/13/2004
Actual Date Achieved Compliance: 04/23/2004

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/28/2004
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/22/2004
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined: 01/13/2004
Actual Date Achieved Compliance: 03/22/2004

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/28/2004
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 01/08/2004
Actual Date Achieved Compliance: 03/22/2004

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/28/2004
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: MI451
Date Violation Determined: 07/17/2001
Actual Date Achieved Compliance: 08/31/2001

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/17/2001
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: MI451
Date Violation Determined: 11/15/1996
Actual Date Achieved Compliance: 08/27/1997

Enforcement Action: WRITTEN INFORMAL

Site	Database(s)	EDR ID Number EPA ID Number

FREIBORNE INDUSTRIES INC (Continued) 1001220201

Enforcement Action Date: 11/19/1996
Penalty Type: Not reported

There are 5 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20040322
	GENERATOR-RECORDKEEPING REQUIREMENTS	20040423
	GENERATOR-MANIFEST REQUIREMENTS	20040322
Other Evaluation	MI451	20010831
Non-Financial Record Review	MI451	19970827

FINDS:

Other Pertinent Environmental Activity Identified at Site:

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

SILVERDOME INDUSTRIAL COURT EAST **BEA S104912580**
55 SILVERDOME INDUSTRIAL COURT EAST **N/A**
PONTIAC, MI 48342

BEA:

Petition Disclosure: 1
BEA Number: 1236
District: Southeast MI
Date Received: 2000-10-31 00:00:00
Submitter Name: HURON PORTFOLIO I, LLC
Petition Determination: Affirmed
Category: Same Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: kitlers
Division Assigned: Environmental Response Division
Secondary Address: Not reported

Site	Database(s)	EDR ID Number EPA ID Number

TKG ENTERPRISES, LLC **BEA** **S105966557**
30 WEST SILVERDOME INDUSTRIAL PARK **N/A**
PONTIAC, MI 48342

BEA:
Petition Disclosure: 1
BEA Number: 2016
District: Southeast MI
Date Received: 2003-05-20 00:59:00
Submitter Name: TKG Enterprises, LLC
Petition Determination: Affirmed
Category: Different Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: labrecqd
Division Assigned: Environmental Response Division
Secondary Address: Not reported

GORDON & FRIEDA HARTUNIAN **UST** **U003758880**
1 SILVERDOME INDUSTRIAL PARK **N/A**
PONTIAC, MI 48342

UST:
Facility ID: 00040427
Facility Status: CLOSED
Tank ID: 1
Owner: Gordon & Frieda Hartunian
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1 Silverdome Industrial Park
Pontiac, MI 48342
Owner Phone: (248) 335-4222
Product: Diesel
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: Aug 7 2001
Constr Material: Unknown
Piping Material: Unknown
Piping Type: Not reported
Contact: JIM MEINERSHAGAN
Contact Phone: (248) 335-4222
Impressed Device: No
Install Date: Jan 1 1986
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00040427
Facility Status: CLOSED
Tank ID: 2
Owner: Gordon & Frieda Hartunian
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1 Silverdome Industrial Park
Pontiac, MI 48342
Owner Phone: (248) 335-4222
Product: Diesel
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: Aug 7 2001
Constr Material: Not reported

Site	Database(s)	EDR ID Number EPA ID Number

GORDON & FRIEDA HARTUNIAN (Continued) U003758880

Piping Material: Not reported
Piping Type: Not reported
Contact: JIM MEINERSHAGAN
Contact Phone: (248) 335-4222
Impressed Device: No
Install Date: Jan 1 1986
Release Detection:
Tank: Not reported
Pipe: Not reported

SEARS, ROEBUCK & CO **UST** **U003867212**
435 N TELEGRAPH RD **N/A**
PONTIAC, MI 48341

UST:
Facility ID: 00013899
Facility Status: CLOSED
Tank ID: 1
Owner: Sears, Roebuck & Co
Owner Country: USA
Owner Contact: Not reported
Owner Address: 435 N TELEGRAPH RD
PONTIAC, MI 48053
Owner Phone: (313) 683-3600
Product: Used Oil
Capacity: 1100
Tank Status: Removed from Ground
Remove Date: Jun 13 1991
Constr Material: Asphalt Coated or Bare Steel,Fiberglass Reinforced plastic
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: Not reported
Contact Phone: ( ) -
Impressed Device: No
Install Date: Apr 28 1973
Release Detection:
Tank: Not reported
Pipe: Not reported

GRAND TRUNK RR HAWTHORNE PARK **DEL SHWS** **S105965682**
N TELEGRAPH **N/A**
PONTIAC, MI

DELETED HWS:
Facility ID : 63000115
Status : Deleted - available documentation does not support listing

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WIDETRACK AT WESSON STREET, VACANT LOT **BROWNFIELDS** **S107135831**
WIDE TRACK AT WESSON STREET **N/A**
PONTIAC, MI

Brownfield:
Facility ID: 63001016
Status: Closed
Property Use: Not reported
Summary: Not reported
Market: Not reported

Site	Database(s)	EDR ID Number EPA ID Number

WIDETRACK AT WESSON STREET, VACANT LOT (Continued) S107135831

Comments: Not reported

ASPHALT SPECIALIST INC **SHWS S105144543**
1908 WIDE TRACK DRIVE **DEL SHWS N/A**
PONTIAC, MI 48342

SHWS:
Facility ID: 63000153
Source: Asphalt Felts & Coatings
Facility Status: Delisted - no longer meets criteria specified in rules
Pollutants : Diesel fuel
SAM Score: 21 out of 48
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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ASANTES PROPERTIES LLC **LUST U003160717**
590 WIDE TRACK DRIVE EAST **UST N/A**
PONTIAC, MI 48342

LUST:
Facility ID: 00003199
Release Date: Oct 6 2004
Facility Status: Open
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) 334-0224
Leak Number: C-0438-04
Site Name : Mobil SS #03-C70
Substance Released Gasoline,Gasoline,Gasoline

Facility ID: 00003199
Release Date: Aug 17 2004
Facility Status: Open
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) 334-0224
Leak Number: C-0354-04
Site Name : Mobil SS #03-C70
Substance Released Gasoline

Site	Database(s)	EDR ID Number EPA ID Number
ASANTES PROPERTIES LLC (Continued)		U003160717

Facility ID: 00003199
Release Date: Jul 18 1997
Facility Status: Closed
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) 334-0224
Leak Number: C-1041-97
Site Name : Mobil SS #03-c70
Substance Released Unknown

Facility ID: 00003199
Release Date: Sep 19 1991
Facility Status: Closed
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) 334-0224
Leak Number: C-1932-91
Site Name : Mobil #03-c70
Substance Released Unknown

UST:
Facility ID: 00003199
Facility Status: ACTIVE
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) 334-0224
Product: HYD. OIL
Capacity: 50
Tank Status: Temporarily out of Use
Remove Date: Not reported
Constr Material: Fiberglass Reinforced plastic
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: Kofi Asante
Contact Phone: (248) 334-0224
Impressed Device: No
Install Date: Mar 20 1970
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00003199

Site	Database(s)	EDR ID Number EPA ID Number

ASANTES PROPERTIES LLC (Continued) U003160717

Facility Status: ACTIVE
Tank ID: 2
Owner: Asantes Properties LLC
Owner Country: USA
Owner Contact: Not reported
Owner Address: 47910 Woodward Ave
Pontiac, MI 48342
Owner Phone: (248) 334-0224
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: Kofi Asante
Contact Phone: (248) 334-0224
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: ACTIVE
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) 334-0224
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: Kofi Asante
Contact Phone: (248) 334-0224
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: ACTIVE
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) 334-0224
Product: Gasoline

Site	Database(s)	EDR ID Number EPA ID Number

ASANTES PROPERTIES LLC (Continued) U003160717

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: Kofi Asante
Contact Phone: (248) 334-0224
Impressed Device: No
Install Date: Nov 1 1989
Release Detection:
Tank: Automatic Tank Gauging
Pipe: Automatic Line Leak Detectors,Line Tightness Testing

WIDETRACK DRIVE AND N. SAGINAW, NE CORNER VACANT L **BROWNFIELDS** **S107135830**
WIDETRACK DRIVE AND N. SAGINAW **N/A**
PONTIAC, MI

Brownfield:
Facility ID: 63001015
Status: Closed
Property Use: Not reported
Summary: Not reported
Market: Not reported
Comments: Not reported

WOODWARD OFFICE PLAZA **LUST** **U001147877**
800 WOODWARD AVE **UST** **N/A**
PONTIAC, MI 48341

LUST:
Facility ID: 00036436
Release Date: May 14 1992
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Apr 5 1996
Owner Contact : Not reported
Owner Name : Huntington Bank
Owner Address : 801 W BIG BEAVER RD
TROY, MI 48007
Country : USA
Owner Phone : (248) 244-3518
Leak Number: C-0703-92
Site Name : Woodward Office Plaza
Substance Released : Gasoline,Unknown

UST:
Facility ID: 00036436
Facility Status: CLOSED
Tank ID: 1
Owner: Huntington Bank
Owner Country: USA
Owner Contact: Not reported
Owner Address: 801 W BIG BEAVER RD
TROY, MI 48007
Owner Phone: (248) 244-3518
Product: WATER
Capacity: 4000

Site	Database(s)	EDR ID Number EPA ID Number

WOODWARD OFFICE PLAZA (Continued) U001147877

Tank Status: Removed from Ground
Remove Date: Aug 23 1993
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: THOMAS BARRETT
Contact Phone: (734) 362-5000
Impressed Device: No
Install Date: Jan 1 1930
Release Detection:
Tank: Not reported
Pipe: Not reported

SPEEDY MUFFLER KING **LUST U001147975**
810 WOODWARD AVE **UST N/A**
PONTIAC, MI 48341

LUST:
Facility ID: 00036543
Release Date: Nov 15 1994
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Jul 29 1999
Owner Contact : Not reported
Owner Name : Arvin Finance Corp
Owner Address : PO Box 3000
Columbus, IN 47202
Country : USA
Owner Phone : (812) 279-3231
Leak Number: C-1402-94
Site Name : Speedy Muffler King
Substance Released : Gasoline

Facility ID: 00036543
Release Date: Jul 9 1992
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Jul 29 1999
Owner Contact : Not reported
Owner Name : Arvin Finance Corp
Owner Address : PO Box 3000
Columbus, IN 47202
Country : USA
Owner Phone : (812) 279-3231
Leak Number: C-1168-92
Site Name : Speedy Muffler King
Substance Released : Unknown

Facility ID: 00036543
Release Date: Jun 17 1992
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Jul 29 1999
Owner Contact : Not reported
Owner Name : Arvin Finance Corp
Owner Address : PO Box 3000
Columbus, IN 47202
Country : USA

Site	Database(s)	EDR ID Number EPA ID Number
SPEEDY MUFFLER KING (Continued)		U001147975

Owner Phone : (812) 279-3231
Leak Number: C-0985-92
Site Name : Speedy Muffler King
Substance Released Unknown

UST:
Facility ID: 00036543
Facility Status: CLOSED
Tank ID: 1
Owner: Arvin Finance Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: PO Box 3000
Columbus, IN 47202
Owner Phone: (812) 279-3231
Product: Gasoline
Capacity: 4000
Tank Status: Removed from Ground
Remove Date: Jun 17 1992
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: DAVID L LACEY
Contact Phone: (812) 379-3422
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00036543
Facility Status: CLOSED
Tank ID: 2
Owner: Arvin Finance Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: PO Box 3000
Columbus, IN 47202
Owner Phone: (812) 279-3231
Product: UNK
Capacity: 3000
Tank Status: Removed from Ground
Remove Date: Jun 17 1992
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: DAVID L LACEY
Contact Phone: (812) 379-3422
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00036543
Facility Status: CLOSED
Tank ID: 3

Site	Database(s)	EDR ID Number EPA ID Number

SPEEDY MUFFLER KING (Continued) U001147975

Owner: Arvin Finance Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: PO Box 3000
Columbus, IN 47202
Owner Phone: (812) 279-3231
Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Nov 17 1994
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Pressure
Contact: DAVID L LACEY
Contact Phone: (812) 379-3422
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

SPEED STOP #113 **UST** **U003867537**
3990 EAST 12 MILE & RYAN **N/A**
WARREN, MI 48302

UST:
Facility ID: 00017450
Facility Status: ACTIVE
Tank ID: D
Owner: Aztec LTD LLC
Owner Country: USA
Owner Contact: Randa Gebara
Owner Address: 43996 Woodward Ave Suite 200
Bloomfield Hills, MI 48302
Owner Phone: (248) 322-2444
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: Randa Gebara
Contact Phone: (248) 322-2444
Impressed Device: No
Install Date: Aug 1 1989
Release Detection:
Tank: Inventory Control
Pipe: Automatic Line Leak Detectors

Facility ID: 00017450
Facility Status: ACTIVE
Tank ID: B
Owner: Aztec LTD LLC
Owner Country: USA
Owner Contact: Randa Gebara
Owner Address: 43996 Woodward Ave Suite 200
Bloomfield Hills, MI 48302

Site	Database(s)	EDR ID Number EPA ID Number

SPEED STOP #113 (Continued) U003867537

Owner Phone: (248) 322-2444
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: Randa Gebara
Contact Phone: (248) 322-2444
Impressed Device: No
Install Date: Aug 1 1989
Release Detection:
Tank: Inventory Control
Pipe: Automatic Line Leak Detectors

Facility ID: 00017450
Facility Status: ACTIVE
Tank ID: C
Owner: Aztec LTD LLC
Owner Country: USA
Owner Contact: Randa Gebara
Owner Address: 43996 Woodward Ave Suite 200
Bloomfield Hills, MI 48302
Owner Phone: (248) 322-2444
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: Randa Gebara
Contact Phone: (248) 322-2444
Impressed Device: No
Install Date: Aug 1 1989
Release Detection:
Tank: Inventory Control
Pipe: Automatic Line Leak Detectors

Facility ID: 00017450
Facility Status: ACTIVE
Tank ID: A
Owner: Aztec LTD LLC
Owner Country: USA
Owner Contact: Randa Gebara
Owner Address: 43996 Woodward Ave Suite 200
Bloomfield Hills, MI 48302
Owner Phone: (248) 322-2444
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: Randa Gebara

Site	Database(s)	EDR ID Number EPA ID Number

SPEED STOP #113 (Continued) U003867537

Contact Phone: (248) 322-2444
Impressed Device: No
Install Date: Aug 1 1989
Release Detection:
Tank: Inventory Control
Pipe: Line Tightness Testing

SPEEDWAY STATION NO. 2261 **LUST S105551138**
3990 EAST 12 MILE / RYAN **AUL N/A**
WARREN, MI 48302

LUST:
Facility ID: 00017450
Release Date: Jan 1 1989
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Sep 3 2002
Owner Contact : Randa Gebara
Owner Name : Aztec LTD LLC
Owner Address : 43996 Woodward Ave Suite 200
Bloomfield Hills, MI 48302
Country : USA
Owner Phone : (248) 322-2444
Leak Number: C-0312-89
Site Name : Speedway - 12 Mile
Substance Released Not reported

Facility ID: 00017450
Release Date: Jun 15 1989
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Sep 3 2002
Owner Contact : Randa Gebara
Owner Name : Aztec LTD LLC
Owner Address : 43996 Woodward Ave Suite 200
Bloomfield Hills, MI 48302
Country : USA
Owner Phone : (248) 322-2444
Leak Number: C-0114-89
Site Name : Speedway - 12 Mile
Substance Released Not reported

MI INST CONTROL:
Facility ID : 00017450
MDEQ Reference # : NCA-RRD-213-04-104
Record Date : 09/25/01

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

FEDERAL RECORDS

NPL: National Priority List

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

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 02/01/2006
Date Data Arrived at EDR: 03/21/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 23

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 02/01/2006
Date Data Arrived at EDR: 03/21/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 23

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 06/23/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/21/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

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: 03/09/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 33

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 01/12/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 40

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 04/26/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/14/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Annually

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

Date of Government Version: 03/21/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

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

Date of Government Version: 03/21/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

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

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Semi-Annually

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

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 01/19/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 33

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 04/26/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 12/14/2004
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 04/25/2005
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/13/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 04/13/2006
Date Data Arrived at EDR: 04/28/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 32

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/06/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005
Date Data Arrived at EDR: 11/28/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 63

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 06/21/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Varies

ODI: Open Dump Inventory

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 07/13/2005
Date Made Active in Reports: 08/17/2005
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

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

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 04/12/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Every 4 Years

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

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

Date of Government Version: 03/29/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

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

Date of Government Version: 03/31/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 05/11/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 03/06/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 02/13/2006
Date Data Arrived at EDR: 04/21/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

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

Date of Government Version: 12/27/2005
Date Data Arrived at EDR: 02/08/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 19

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

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

Date of Government Version: 04/12/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

MINES: Mines Master Index File

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

Date of Government Version: 02/09/2006
Date Data Arrived at EDR: 03/29/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 62

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 04/27/2006
Date Data Arrived at EDR: 05/02/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 28

Source: EPA
Telephone: N/A
Last EDR Contact: 04/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/05/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/30/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Contaminated Sites

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

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/24/2006
Date Made Active in Reports: 06/08/2006
Number of Days to Update: 15

Source: Department of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 05/24/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Semi-Annually

DEL SHWS: Delisted List of Contaminated Sites

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

Date of Government Version: 05/30/2006
Date Data Arrived at EDR: 05/30/2006
Date Made Active in Reports: 06/08/2006
Number of Days to Update: 9

Source: Department of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Varies

SWF/LF: Solid Waste Facilities Database

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

Date of Government Version: 05/01/2006
Date Data Arrived at EDR: 05/15/2006
Date Made Active in Reports: 06/08/2006
Number of Days to Update: 24

Source: Department of Environmental Quality
Telephone: 517-335-4035
Last EDR Contact: 05/08/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Semi-Annually

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

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

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

LUST: Leaking Underground Storage Tank Sites

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

Date of Government Version: 03/13/2006
Date Data Arrived at EDR: 03/15/2006
Date Made Active in Reports: 04/18/2006
Number of Days to Update: 34

Source: Department of Environmental Quality
Telephone: 517-373-9837
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Underground Storage Tank Facility List

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

Date of Government Version: 03/13/2006
Date Data Arrived at EDR: 03/15/2006
Date Made Active in Reports: 04/12/2006
Number of Days to Update: 28

Source: Department of Environmental Quality
Telephone: 517-373-8168
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 03/23/2006
Date Data Arrived at EDR: 03/23/2006
Date Made Active in Reports: 04/24/2006
Number of Days to Update: 32

Source: Department of Environmental Quality
Telephone: 517-373-8168
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: No Update Planned

PEAS: Pollution Emergency Alerting System

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

Date of Government Version: 03/22/2006
Date Data Arrived at EDR: 03/28/2006
Date Made Active in Reports: 04/18/2006
Number of Days to Update: 21

Source: Department of Environmental Quality
Telephone: 517-373-8427
Last EDR Contact: 03/06/2006
Next Scheduled EDR Contact: 04/03/2006
Data Release Frequency: Quarterly

AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 02/01/2006
Date Data Arrived at EDR: 02/15/2006
Date Made Active in Reports: 03/17/2006
Number of Days to Update: 30

Source: Department of Environmental Quality
Telephone: 517-373-4828
Last EDR Contact: 06/26/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 02/16/2006
Date Data Arrived at EDR: 03/30/2006
Date Made Active in Reports: 04/18/2006
Number of Days to Update: 19

Source: Department of Environmental Quality
Telephone: 517-335-4586
Last EDR Contact: 05/15/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Varies

BROWNFIELDS: Brownfields and USTfield Site Database

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

Date of Government Version: 02/23/2006
Date Data Arrived at EDR: 02/27/2006
Date Made Active in Reports: 03/17/2006
Number of Days to Update: 18

Source: Department of Environmental Quality
Telephone: 517-373-4805
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

Date of Government Version: 05/01/2006
Date Data Arrived at EDR: 05/02/2006
Date Made Active in Reports: 06/08/2006
Number of Days to Update: 37

Source: Department of Environmental Quality
Telephone: 517-373-7074
Last EDR Contact: 04/06/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Varies

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

Date of Government Version: 03/16/2006
Date Data Arrived at EDR: 03/16/2006
Date Made Active in Reports: 04/18/2006
Number of Days to Update: 33

Source: DEPT. OF ENVIRONMENTAL QUALITY
Telephone: 517-373-9541
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Semi-Annually

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Semi-Annually

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004
Date Data Arrived at EDR: 12/29/2004
Date Made Active in Reports: 02/04/2005
Number of Days to Update: 37

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 04/24/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 8

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/05/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/02/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/31/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 09/30/2005
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/17/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Annually

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Natural Resources
Telephone: 517-241-2254

STREET AND ADDRESS INFORMATION

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APPENDIX E

SANBORN MAPS

"Linking Technology with Tradition"®

Sanborn® Map Report

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

Order Date: 6/29/2006 **Completion Date:** 6/29/2006
Inquiry #: 1706492.3s
P.O. #: 17322
Site Name: 17322 - Pontiac MI
Address: South Blvd. West & Howard St.
City/State: Pontiac, MI 48341
Cross Streets:

Customer Project: 17322
1103659ZIP 773-380-9933

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

1909 - 1 Map
1915 - 5 Maps
1919 - 8 Maps
1924 - 11 Maps
1950 - 11 Maps
1970 - 11 Maps

Limited Permission to Photocopy Total Maps: 47

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USER'S GUIDE

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

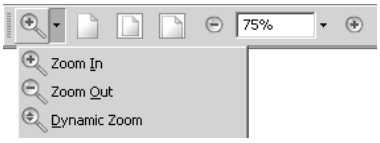
Reading Sanborn Maps

- 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

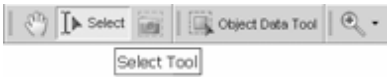


1. Open file on screen.
2. Identify TP (Target Property) on the most recent map.
3. Find TP on older printed images.
4. Using Acrobat® Reader®, zoom to 250% in order to view more clearly. (200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.)
   A. On the menu bar, click "View" and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

Printing a Sanborn Map From the Electonic File

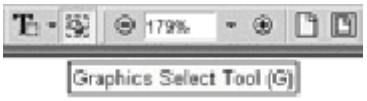
- EDR recommends printing images at 300 dpi (300 dpi prints faster than 600 dpi)
- To print only the TP area, cut and paste from Acrobat to your word processor application.

Acrobat Versions 6 and 7



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

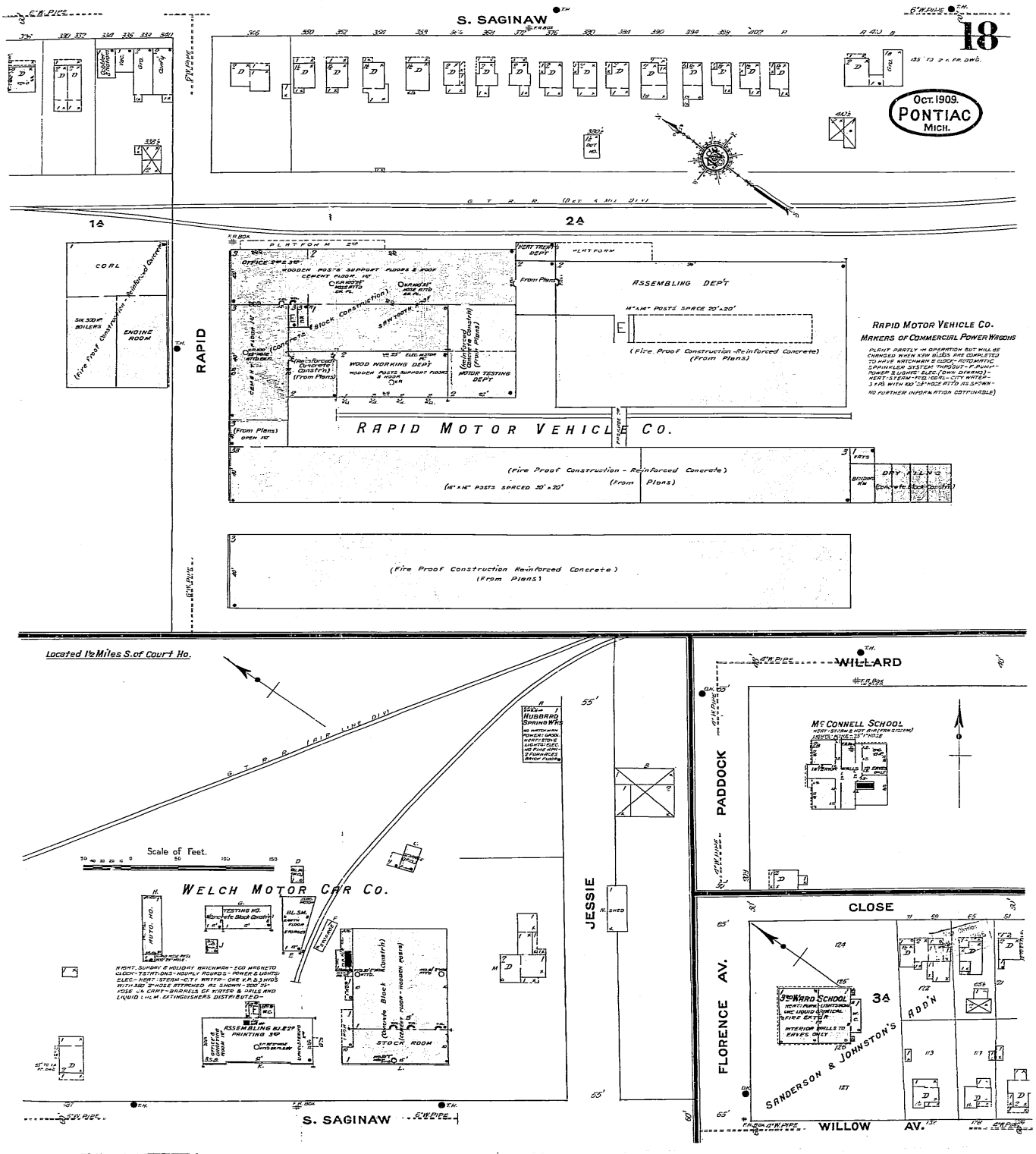
Acrobat Version 5



1. Go to the menu bar
2. Click the "Graphics Select Tool"
3. Draw a box around the area selected
4. Go to "Menu"
5. Highlight "Edit"
6. Highlight "Copy"
7. Go to Word Processor such as Microsoft Word, paste and print.

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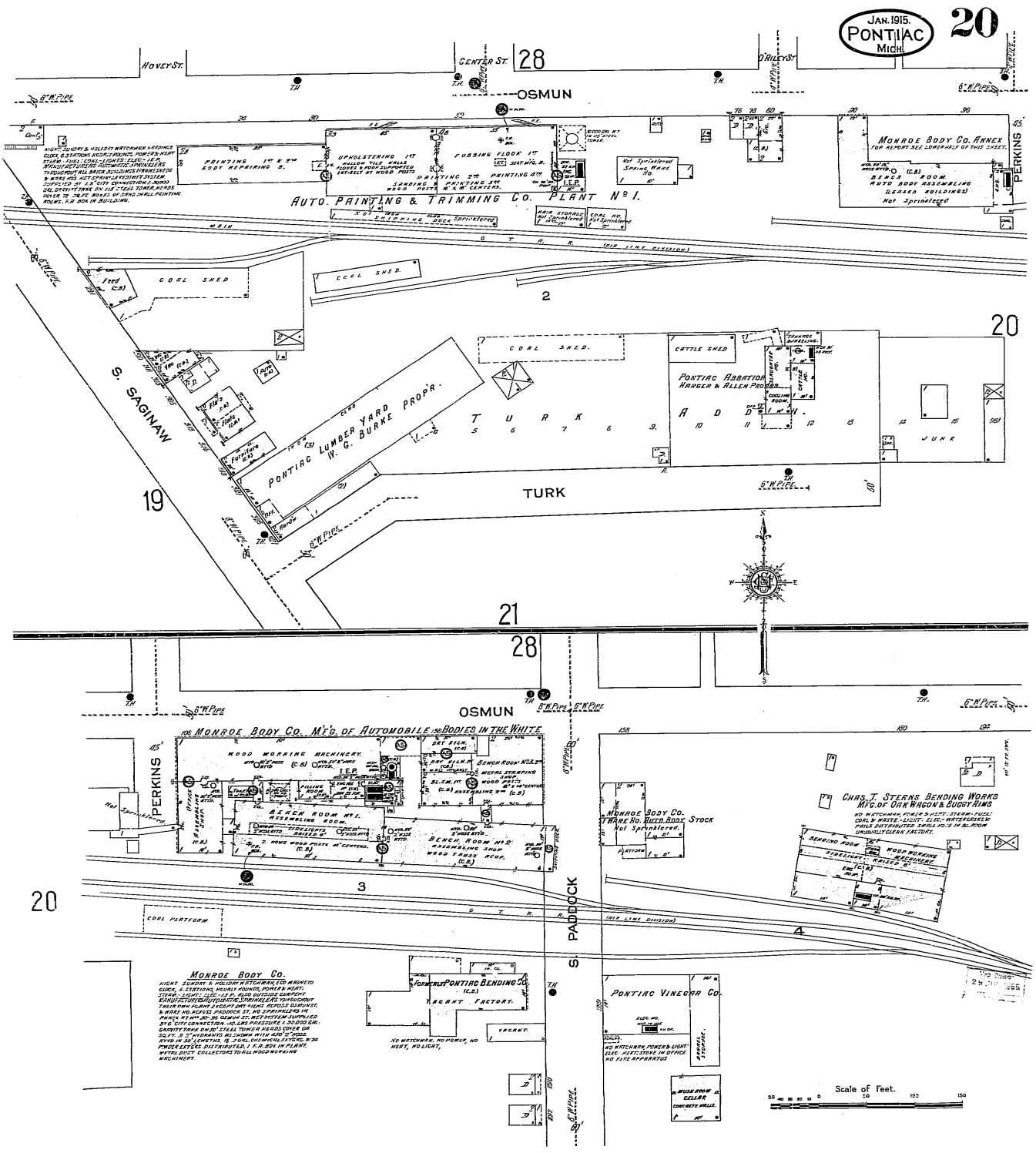
- Images are grouped intro one file, up to 2MB.
- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as "1 of 3", "2 of 3", etc. including all available map years.
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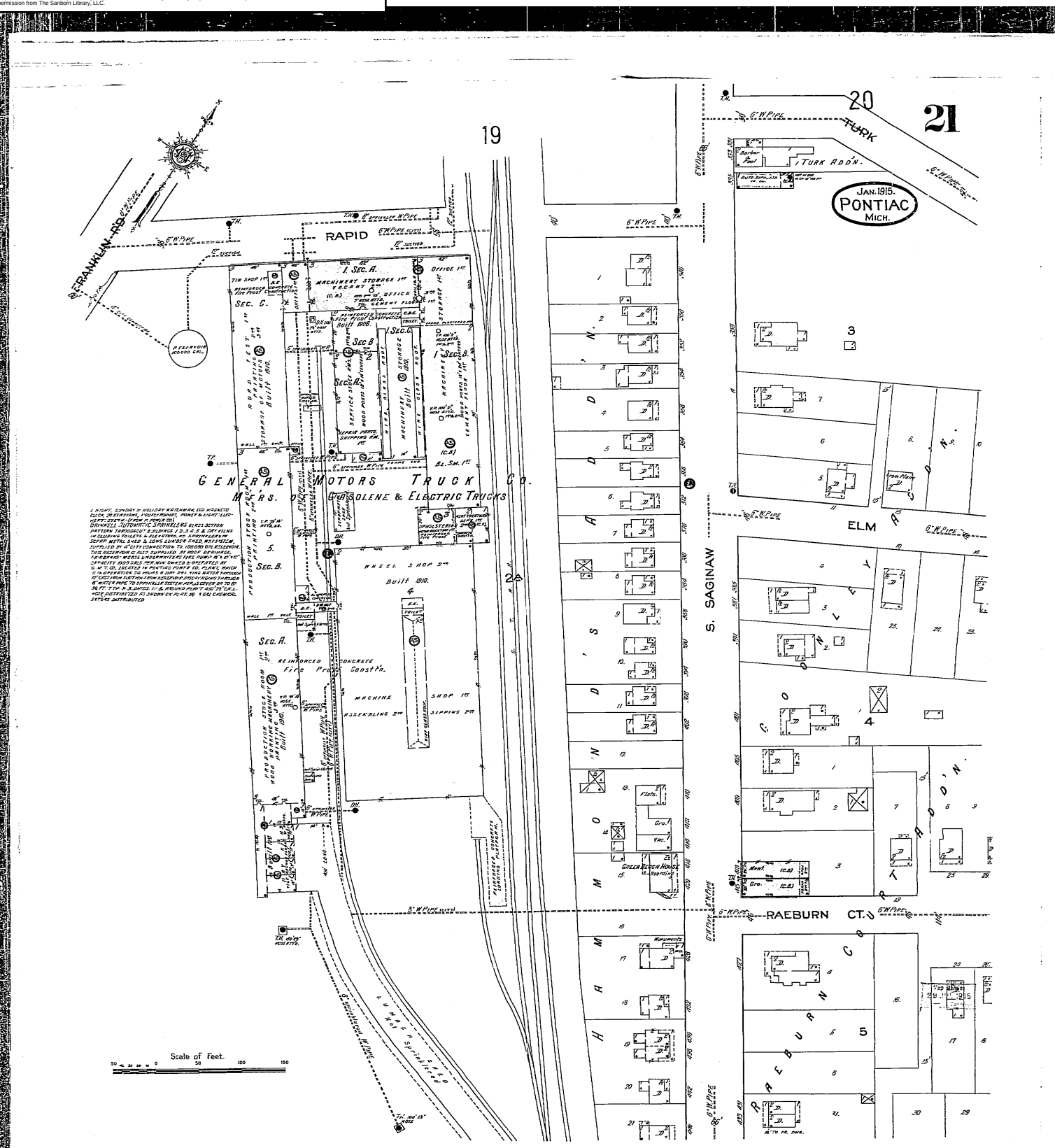
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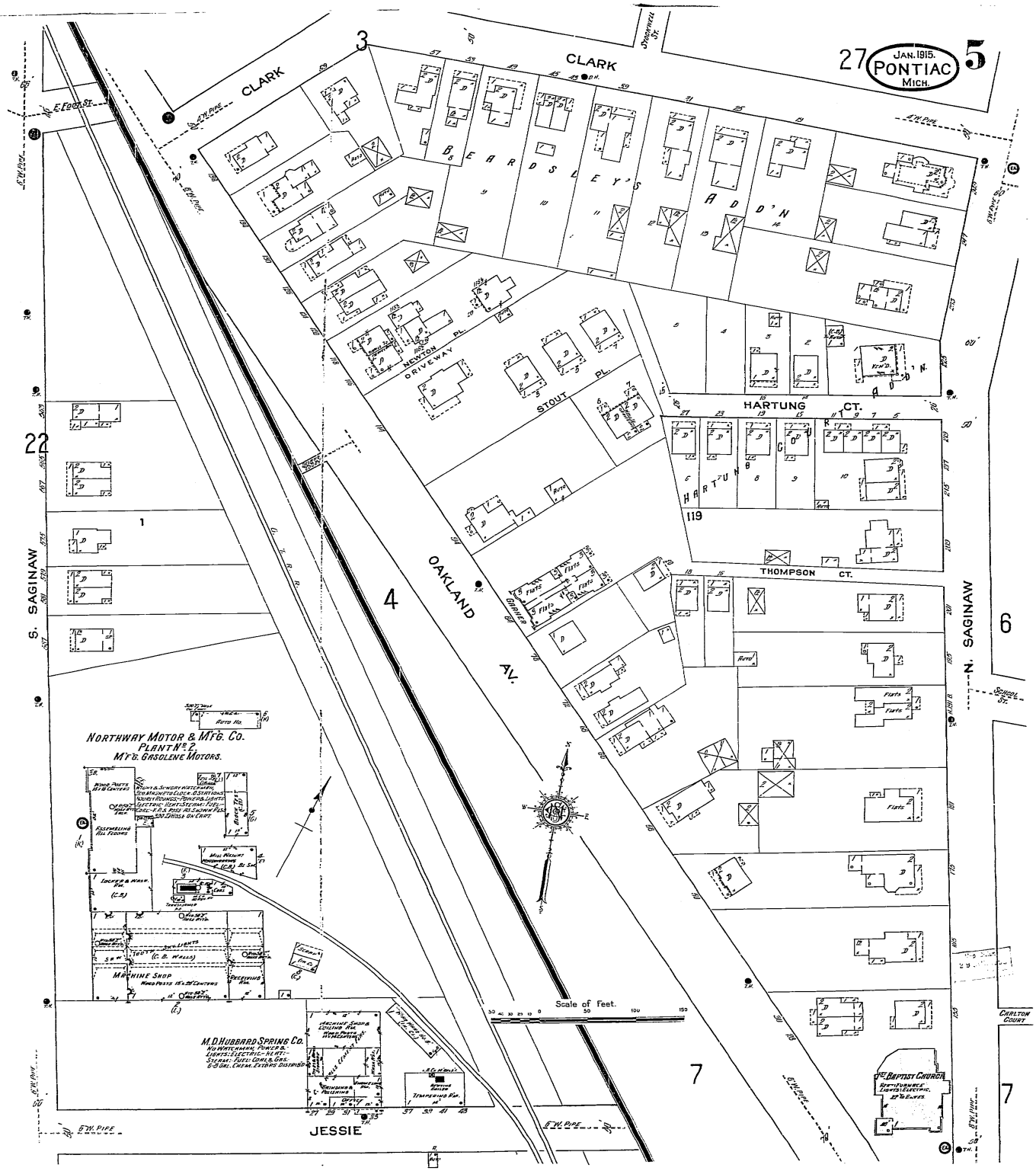
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Sec. UUUUUU.
Sec. VVVVVV.
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Sec. LLLLLLLL.
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Sec. OOOOOOOO.
Sec. PPPPPPPP.
Sec. QQQQQQQQ.
Sec. RRRRRRRR.
Sec. SSSSSSSS.
Sec. TTTTTTTT.
Sec. UUUUUUUU.
Sec. VVVVVVVV.
Sec. WWWWWWWW.
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Sec. UUUUUUUUU.
Sec. VVVVVVVVV.
Sec. WWWWWWWWW.
Sec. XXXXXXXXX.
Sec. YYYYYYYYY.
Sec. ZZZZZZZZZ.
Sec. AAAAAAAAAA.
Sec. BBBBBBBBBB.
Sec. CCCCCCCCCC.
Sec. DDDDDDDDDD.
Sec. EEEEEEEEEE.
Sec. FFFFFFFFFF.
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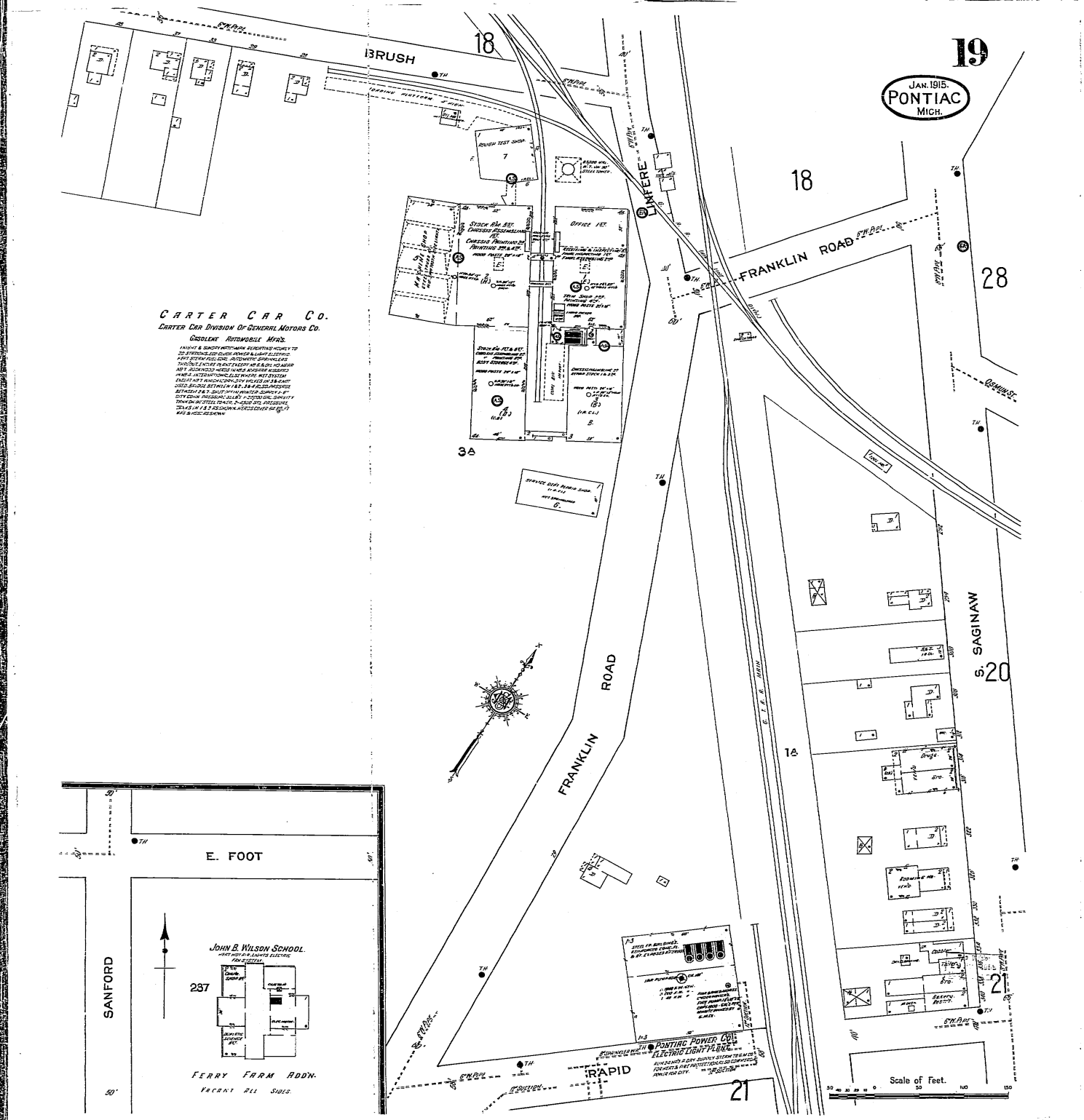
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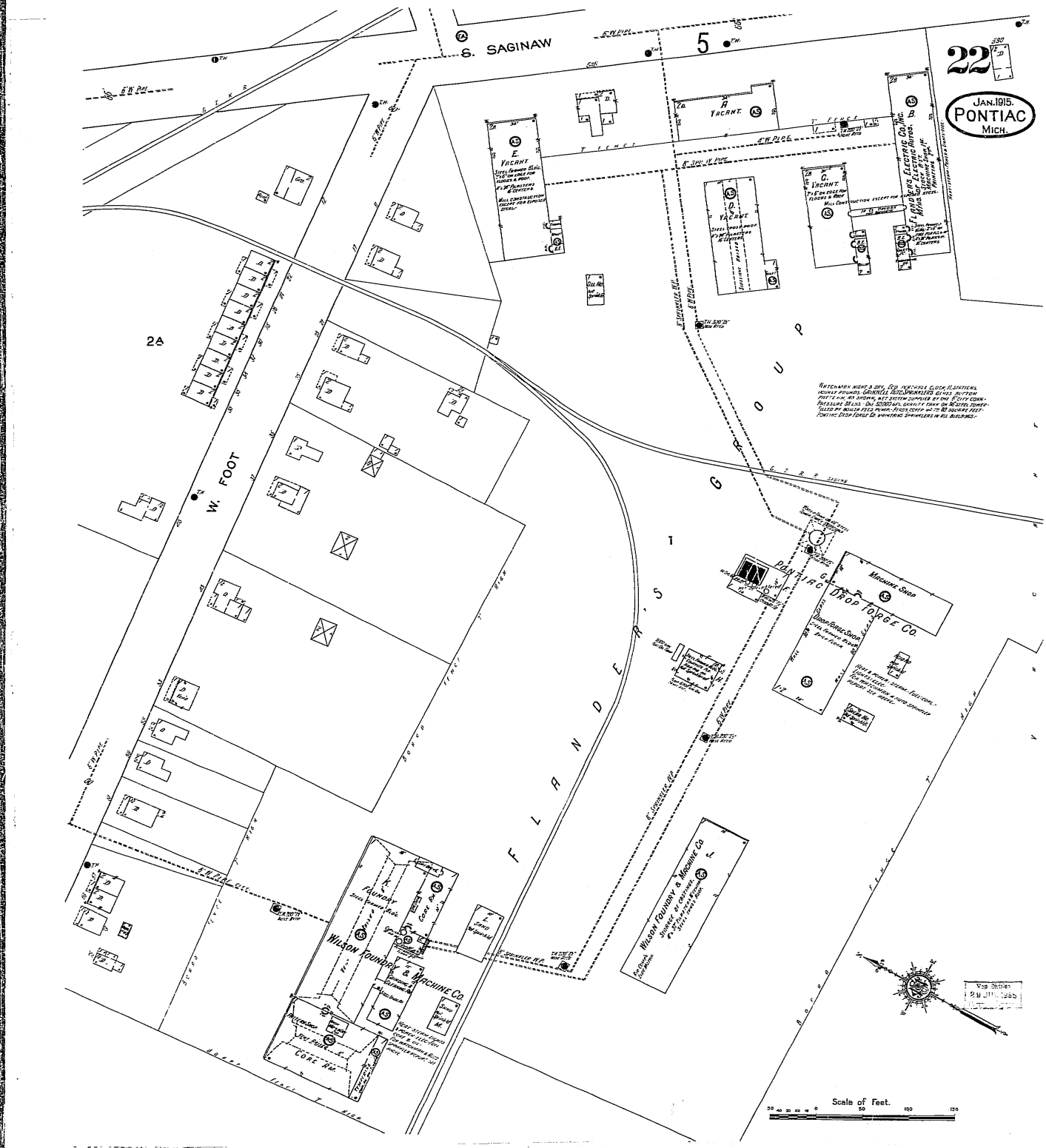
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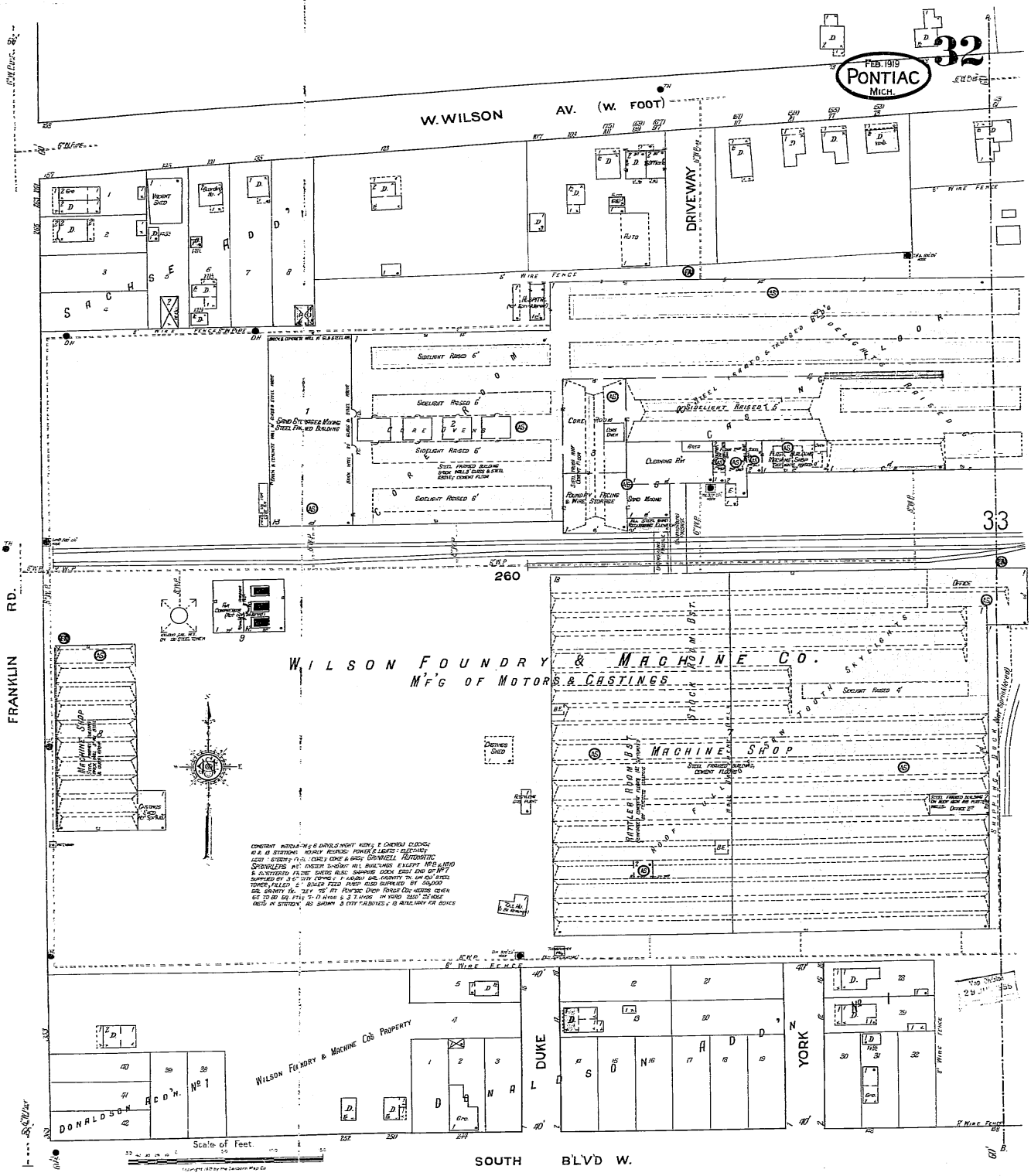
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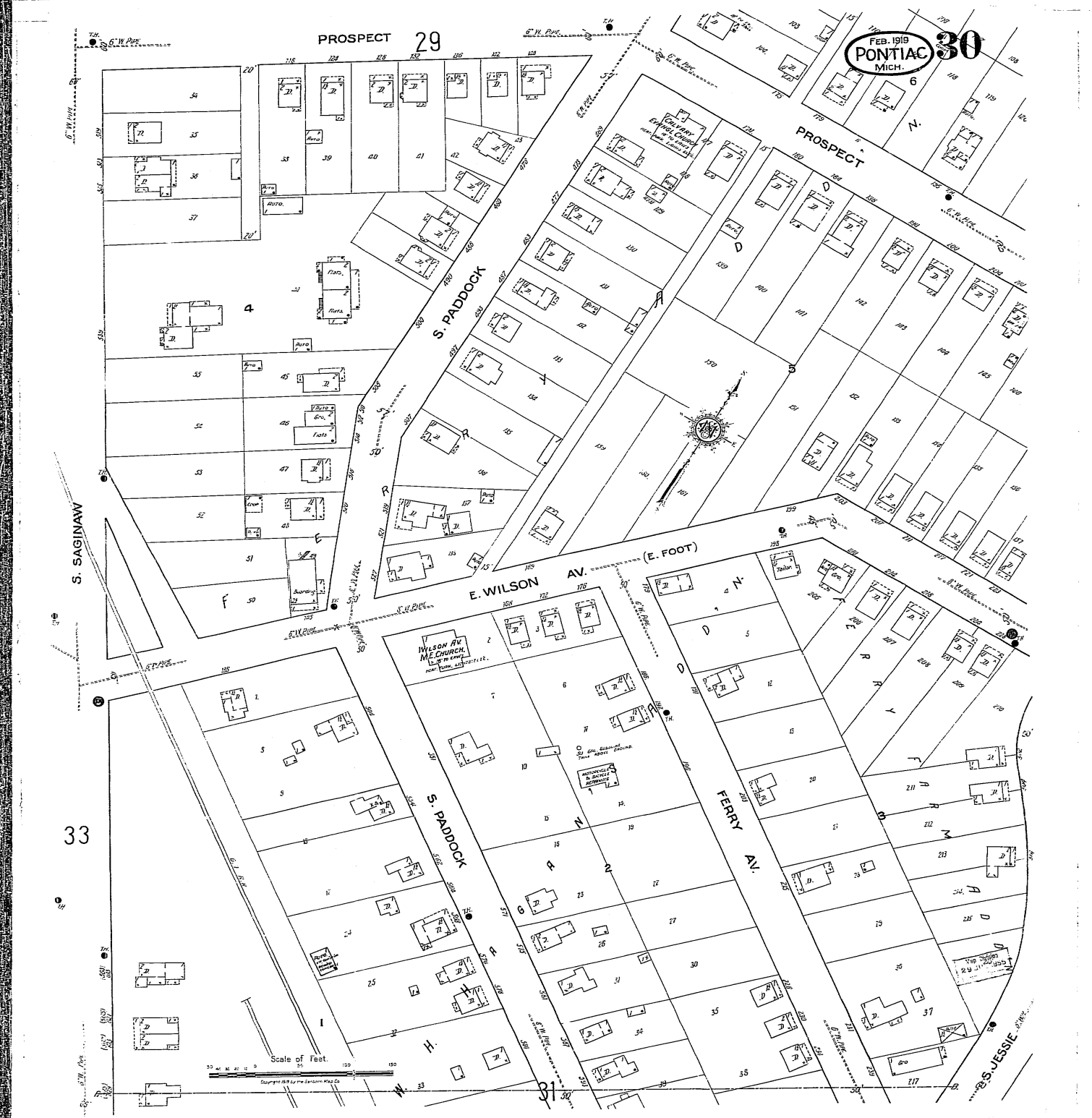
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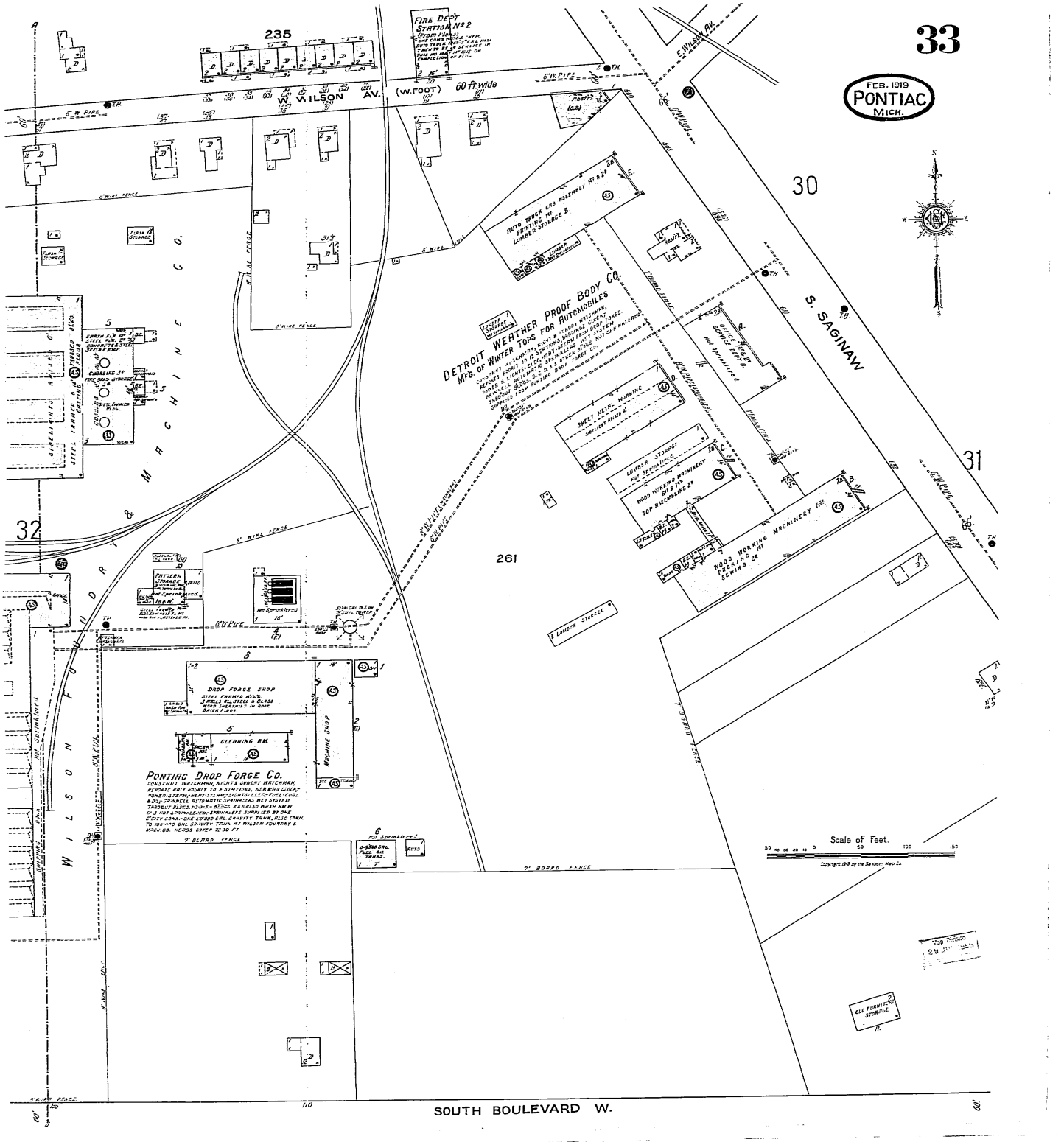


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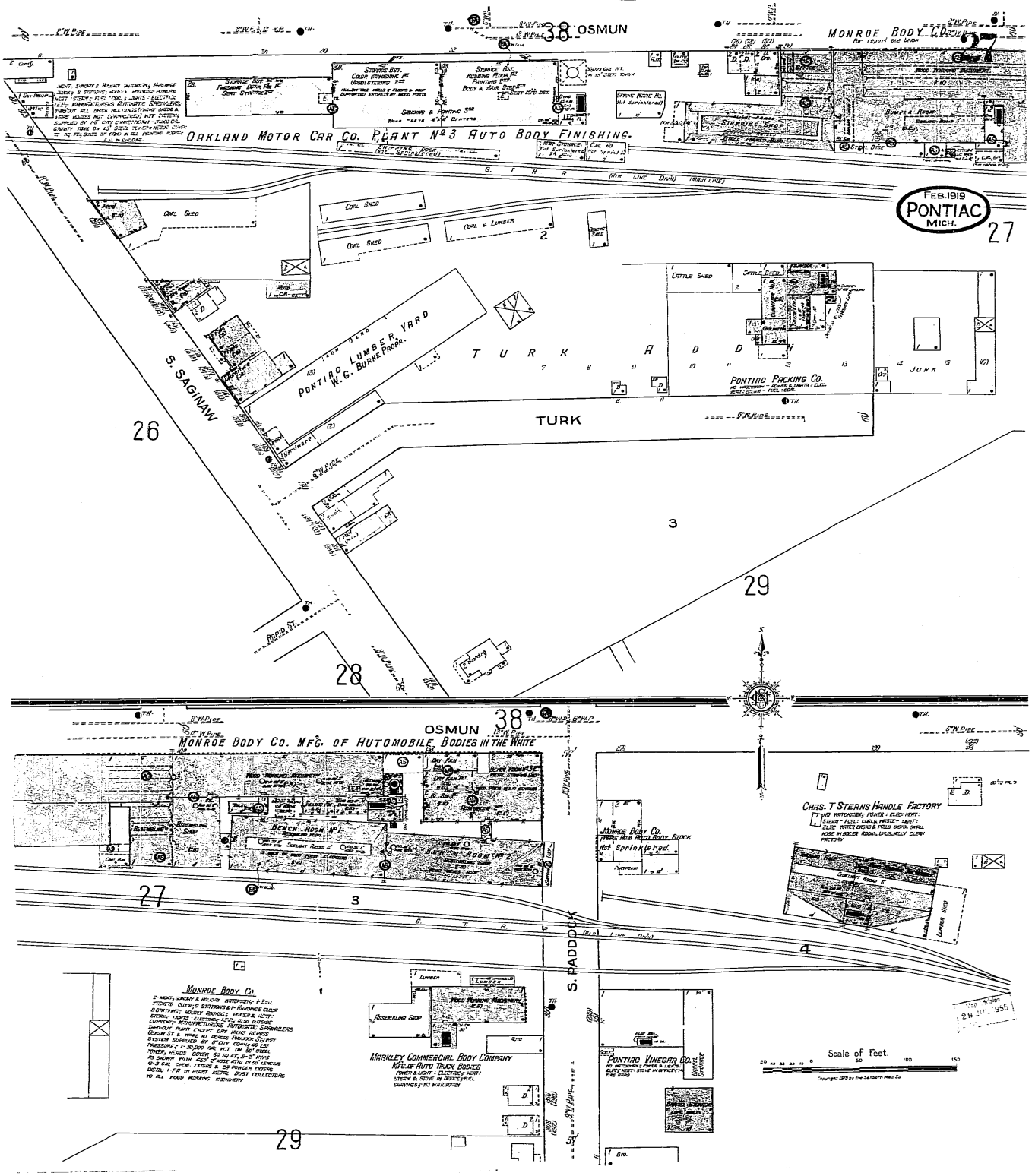




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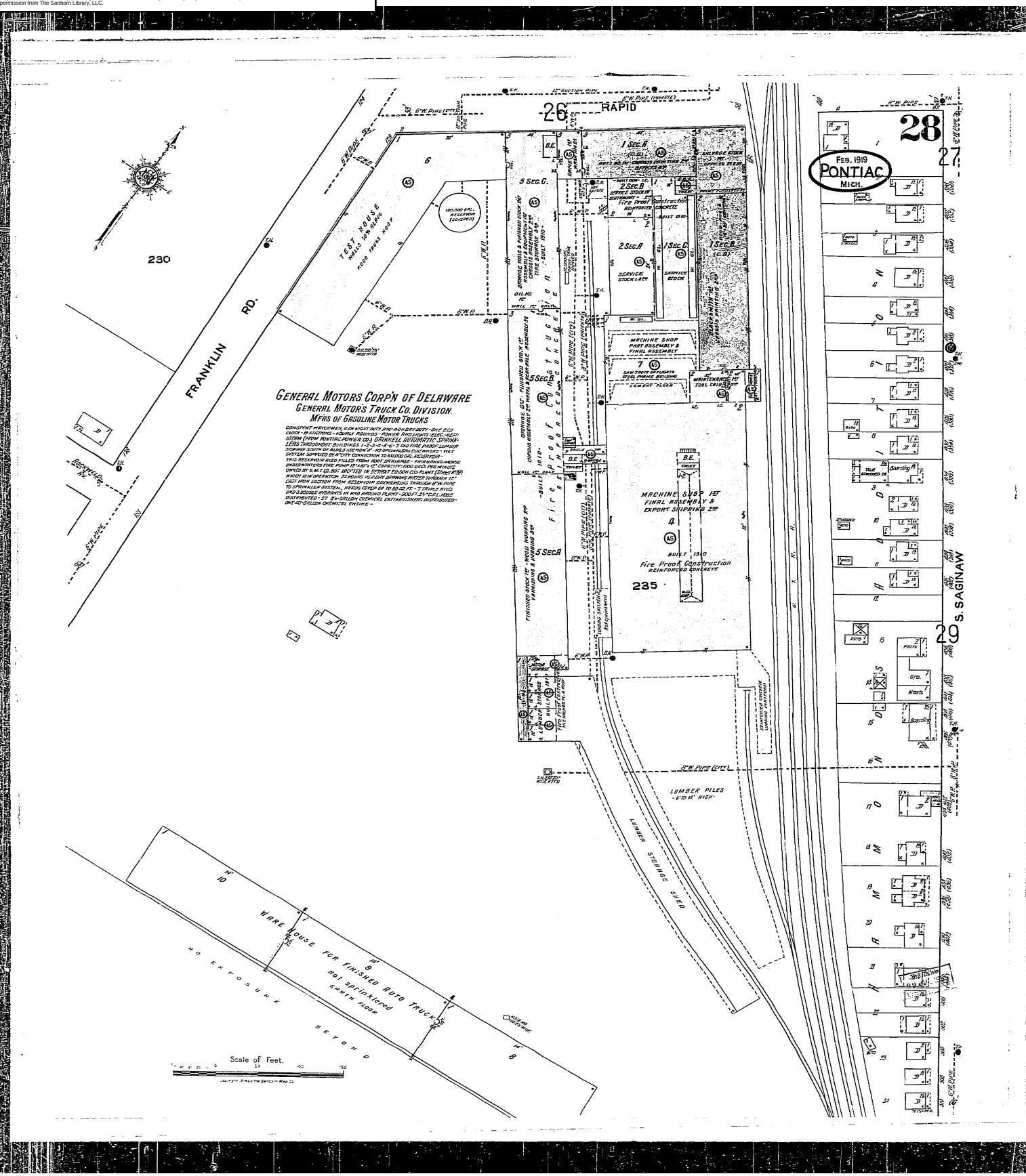
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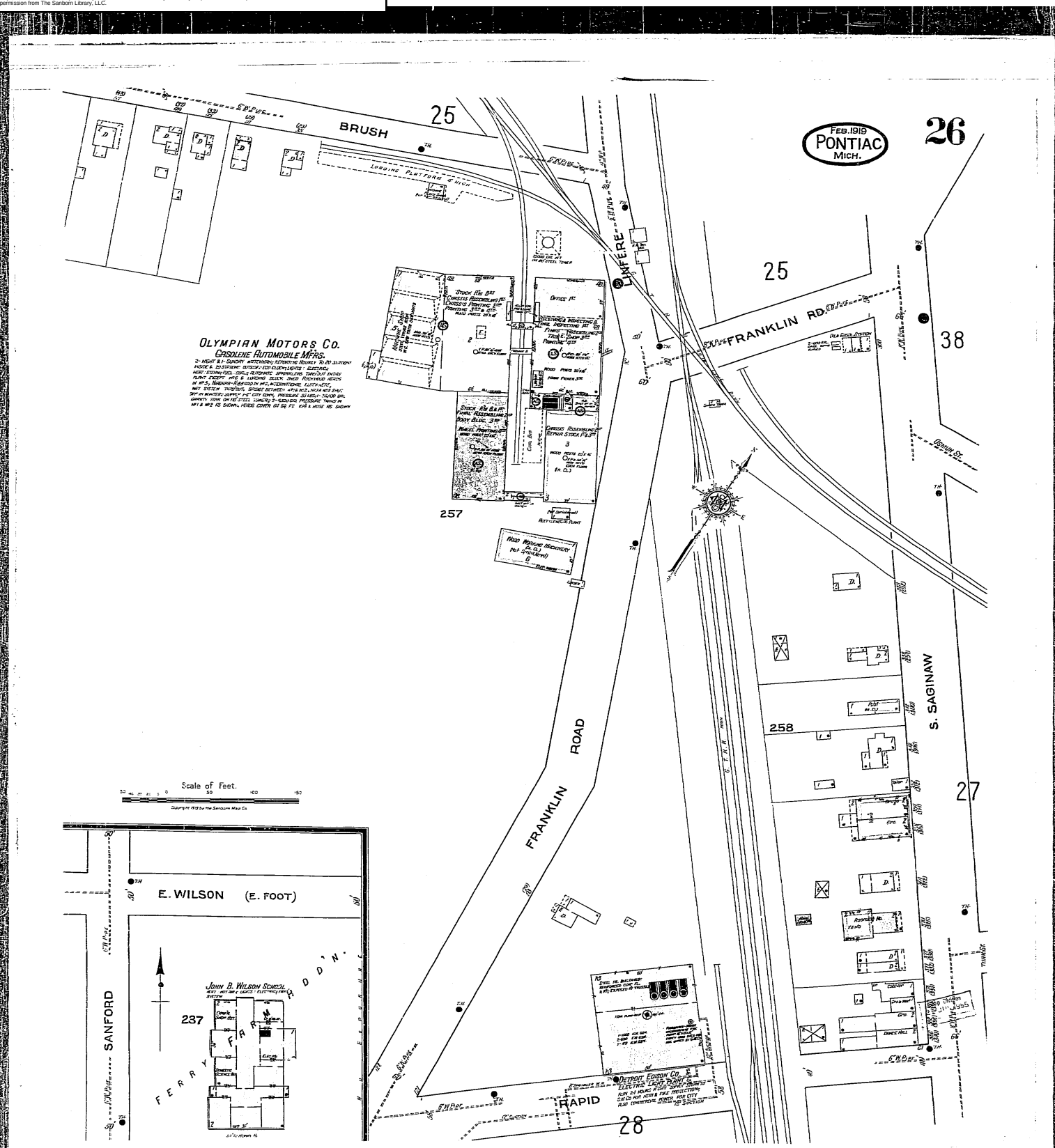
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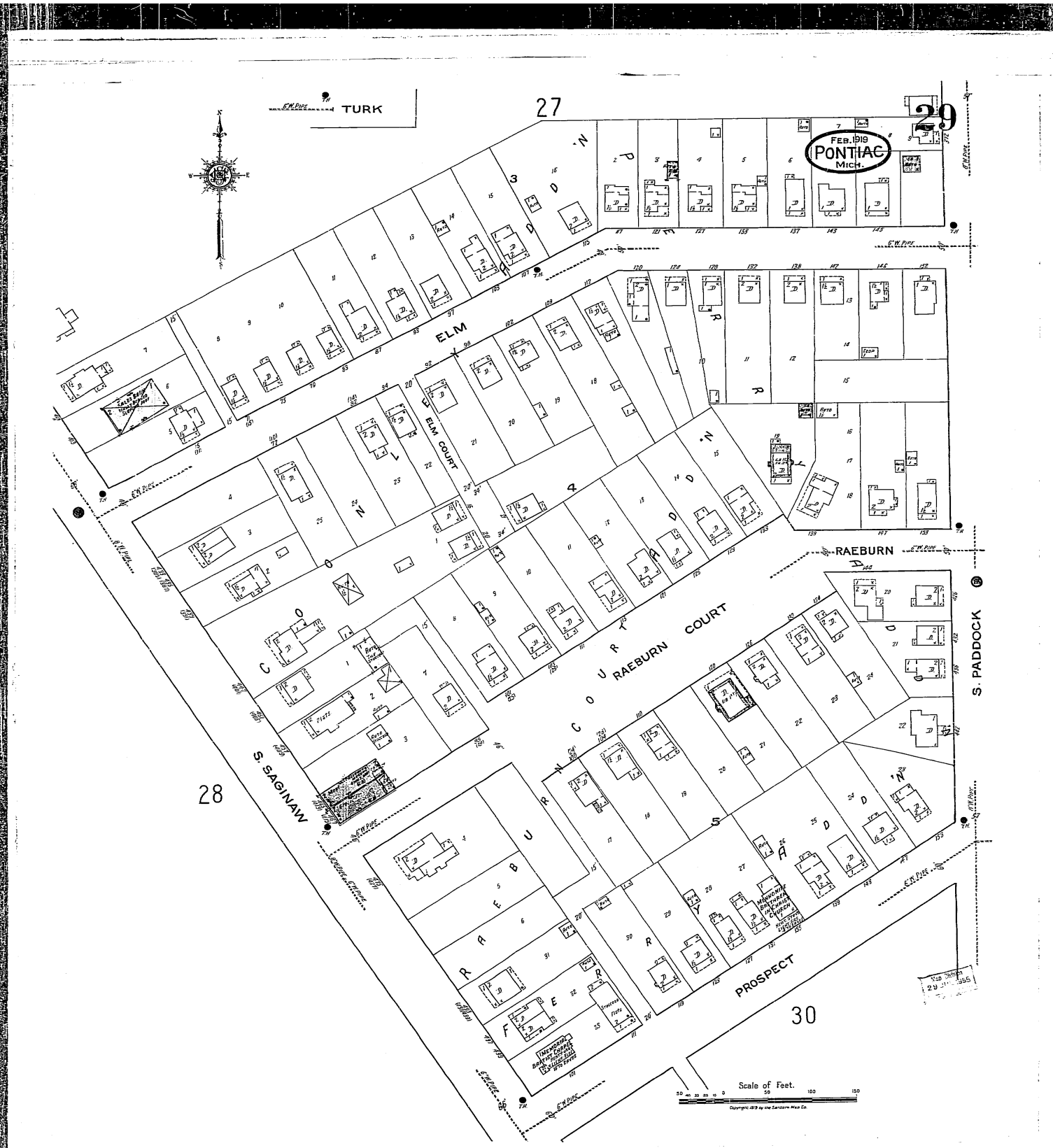


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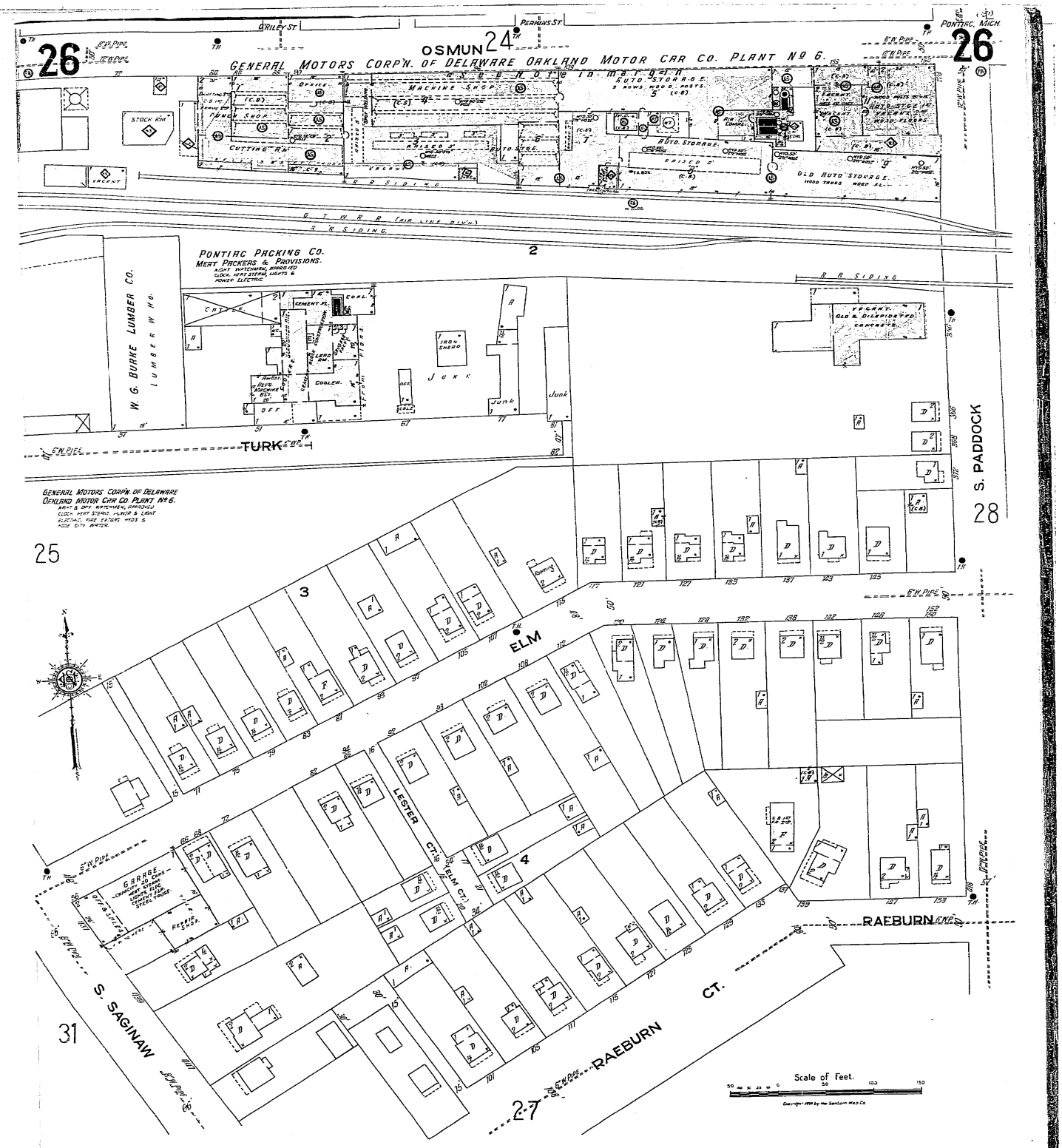
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(51)
PONTIAC, MICH

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SCALE 100FT. TO AN INCH

WILSON BALL PARK

ROCKWELL AV.

FISHER AV.

W. WILSON AV.

HARRISON AV.

HUGHES AV.

CRYSTAL LAKE DRIVE

SOUTH BLVD W.

BAGLEY

MOTOR

FRANKLIN R'D

W. WILSON PARK

MOTOR ST.

Bloom Field Township.

Scale 100 Ft. to One Inch.

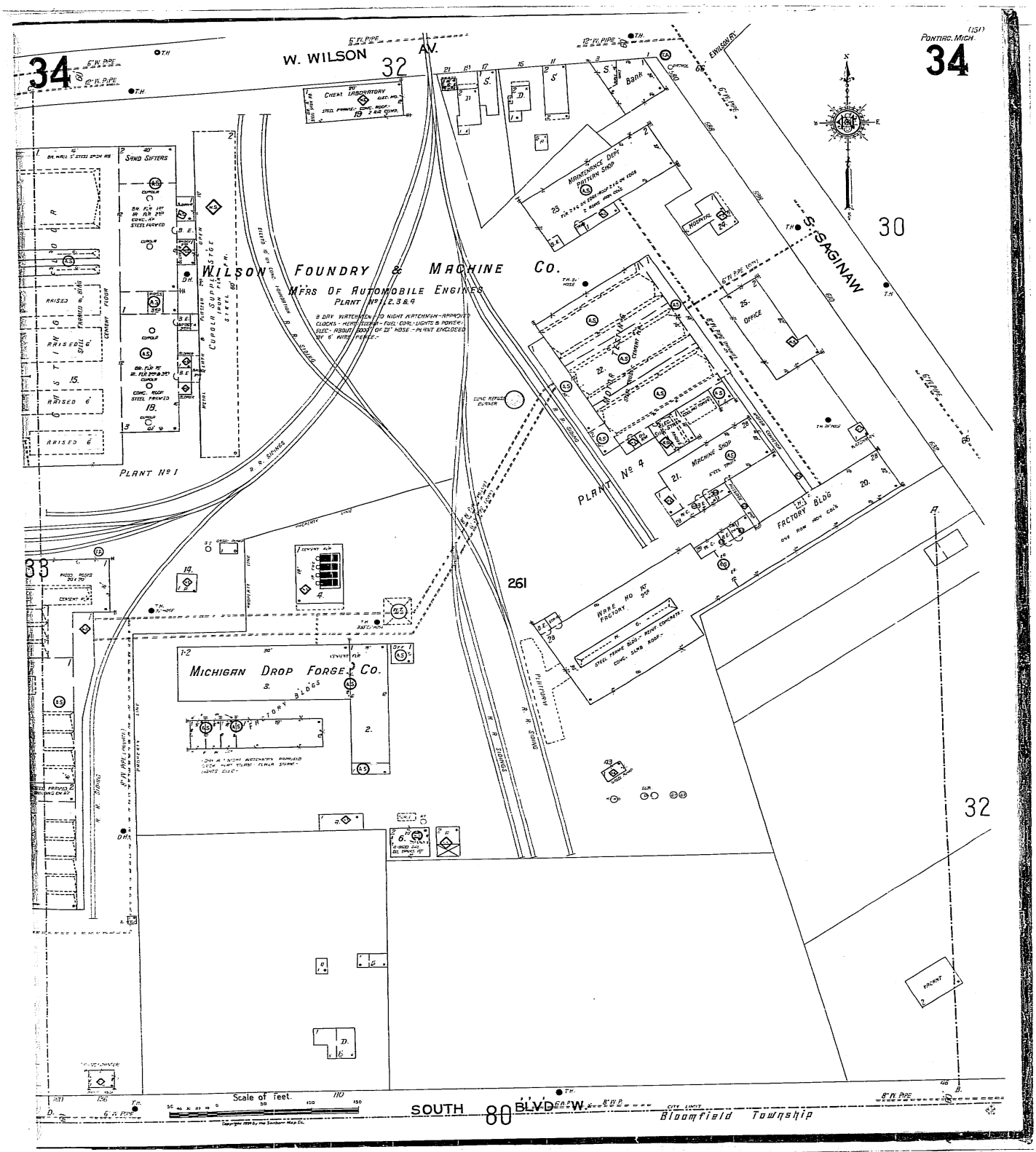
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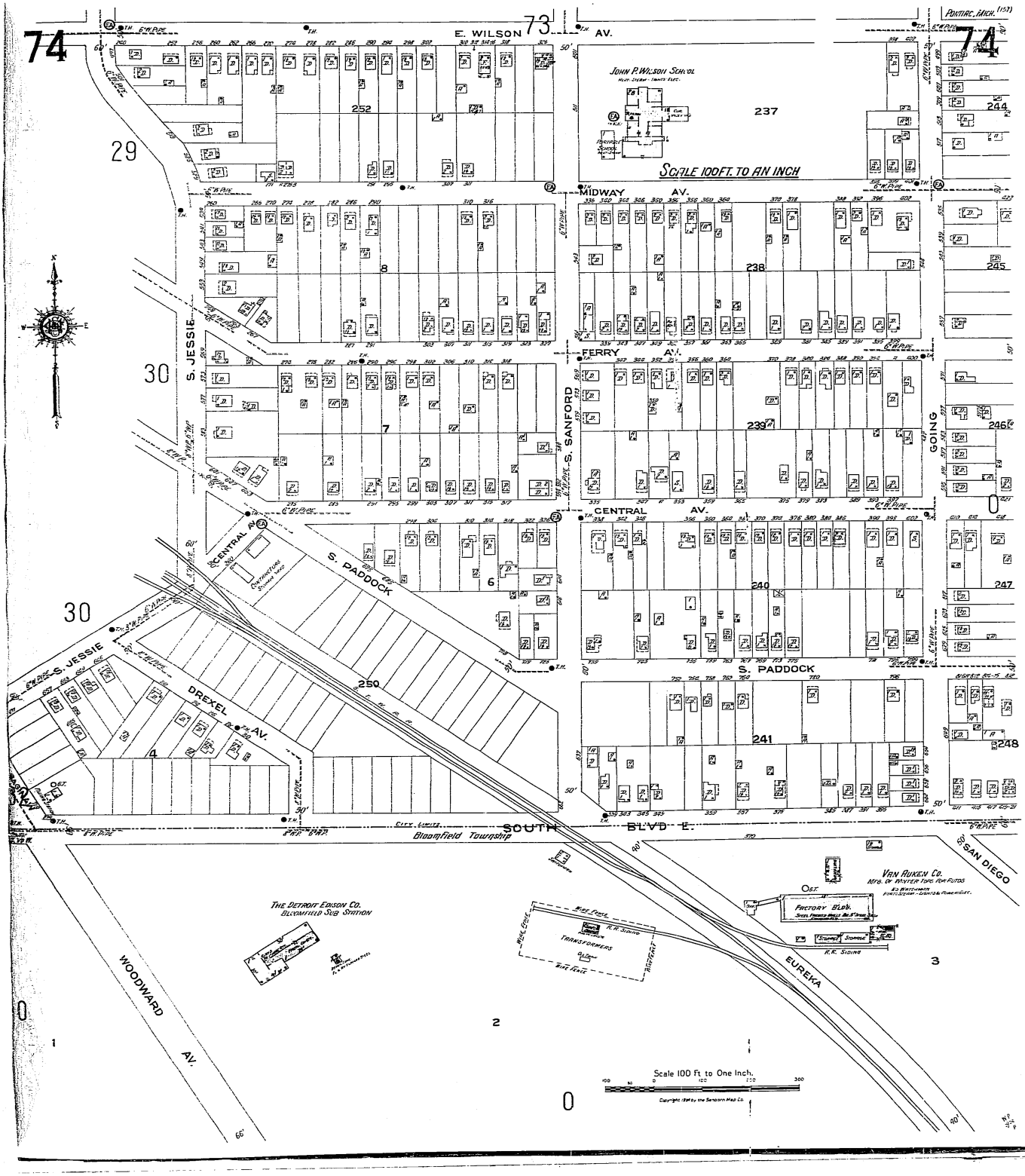
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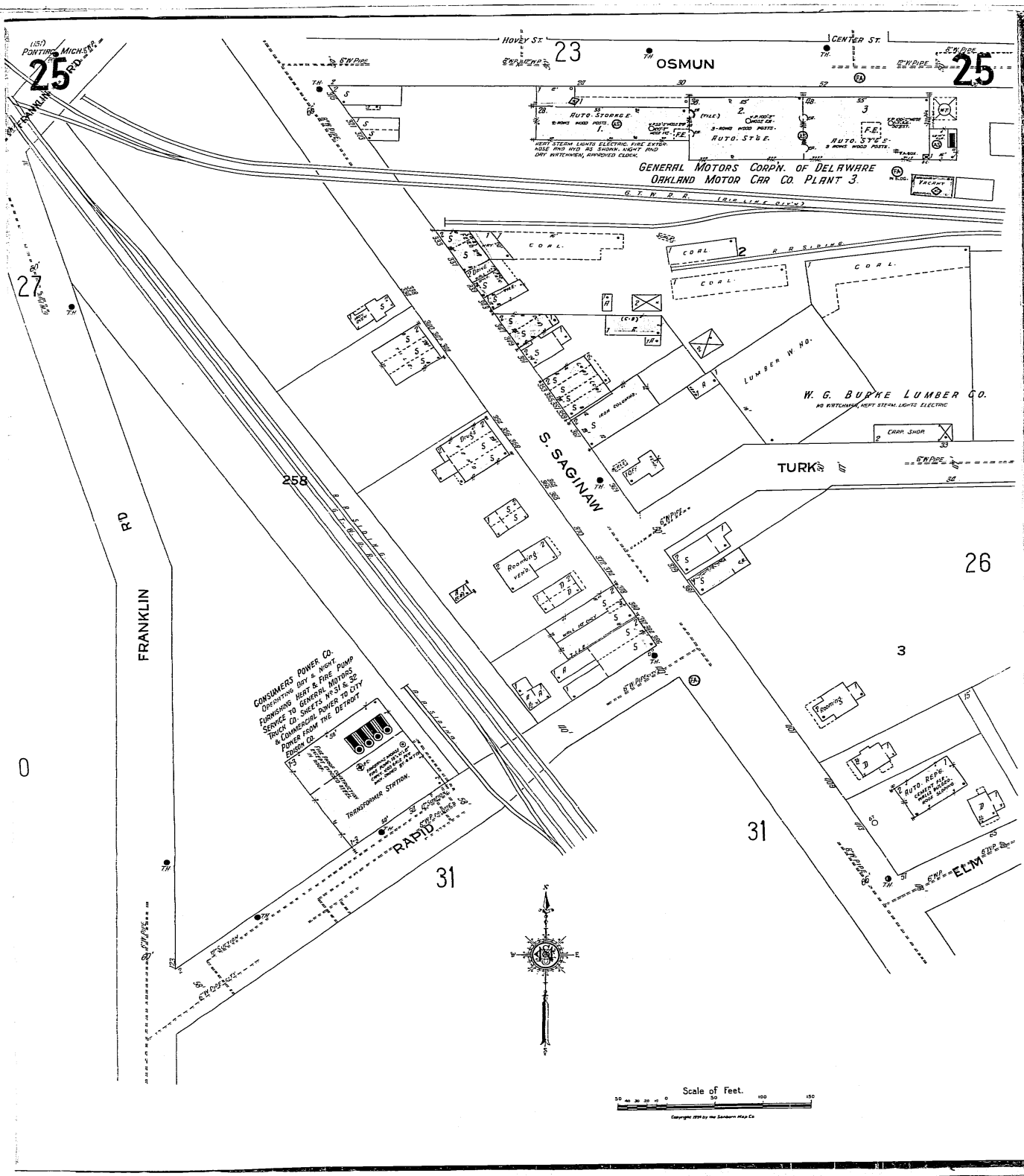
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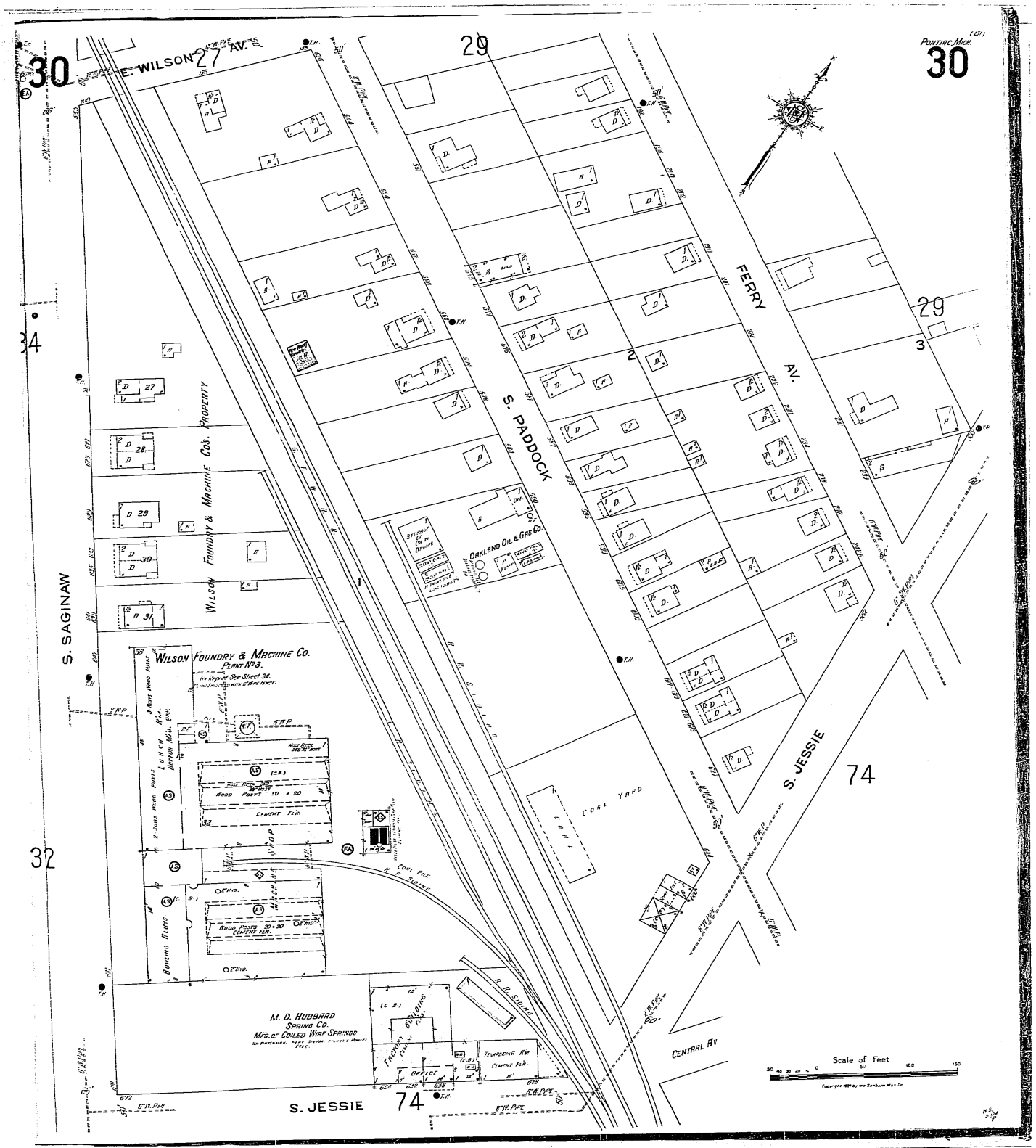
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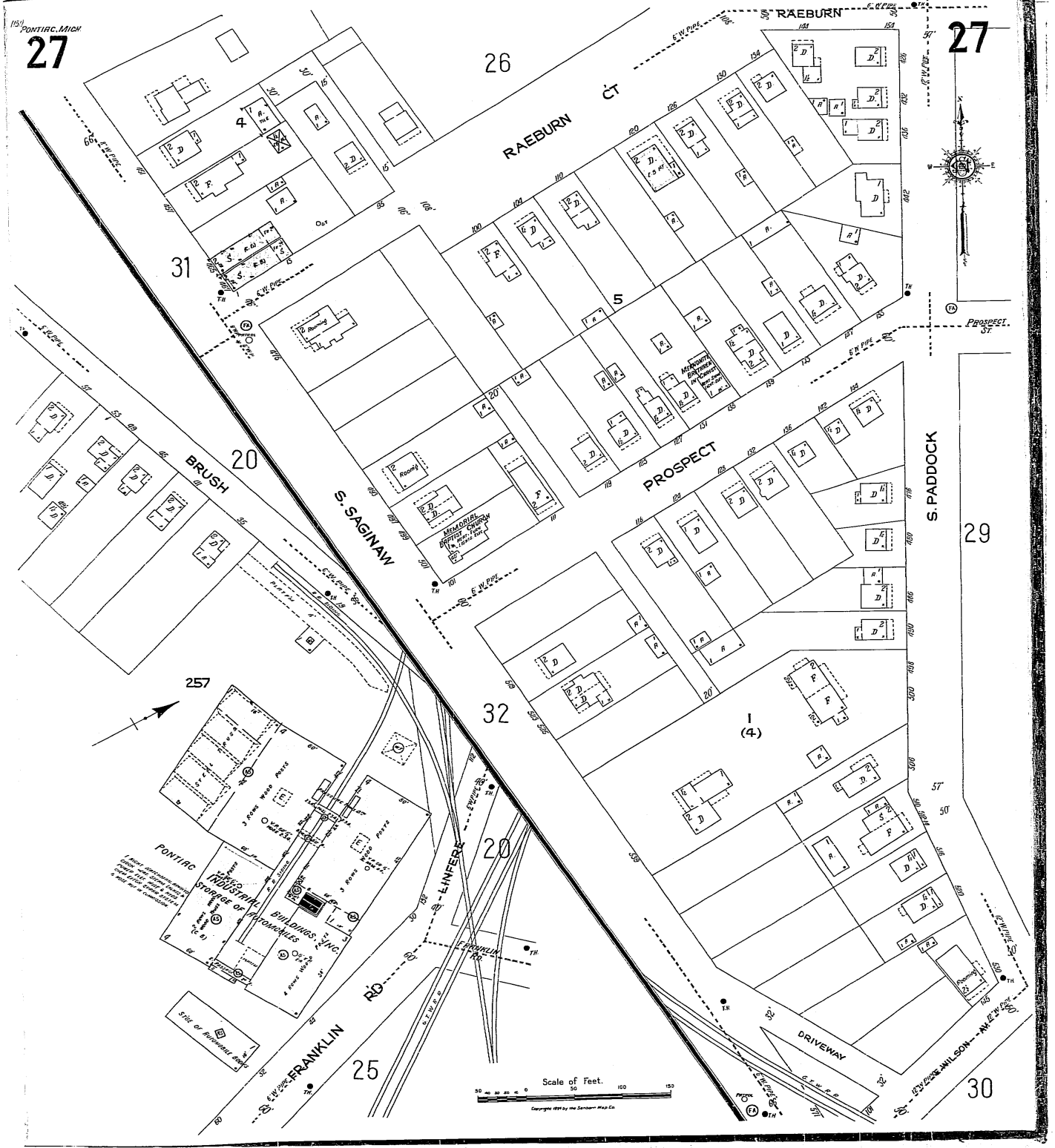
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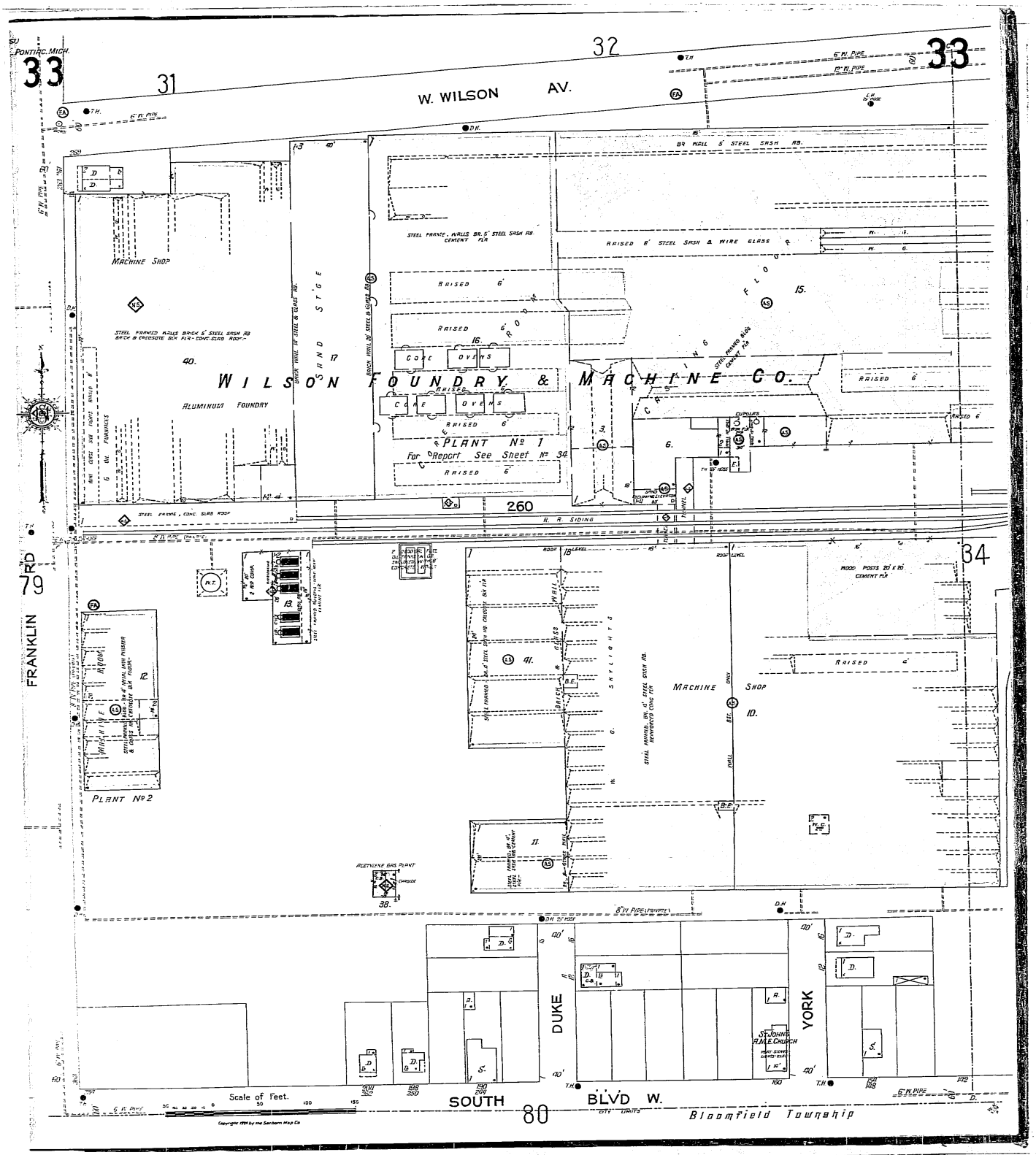
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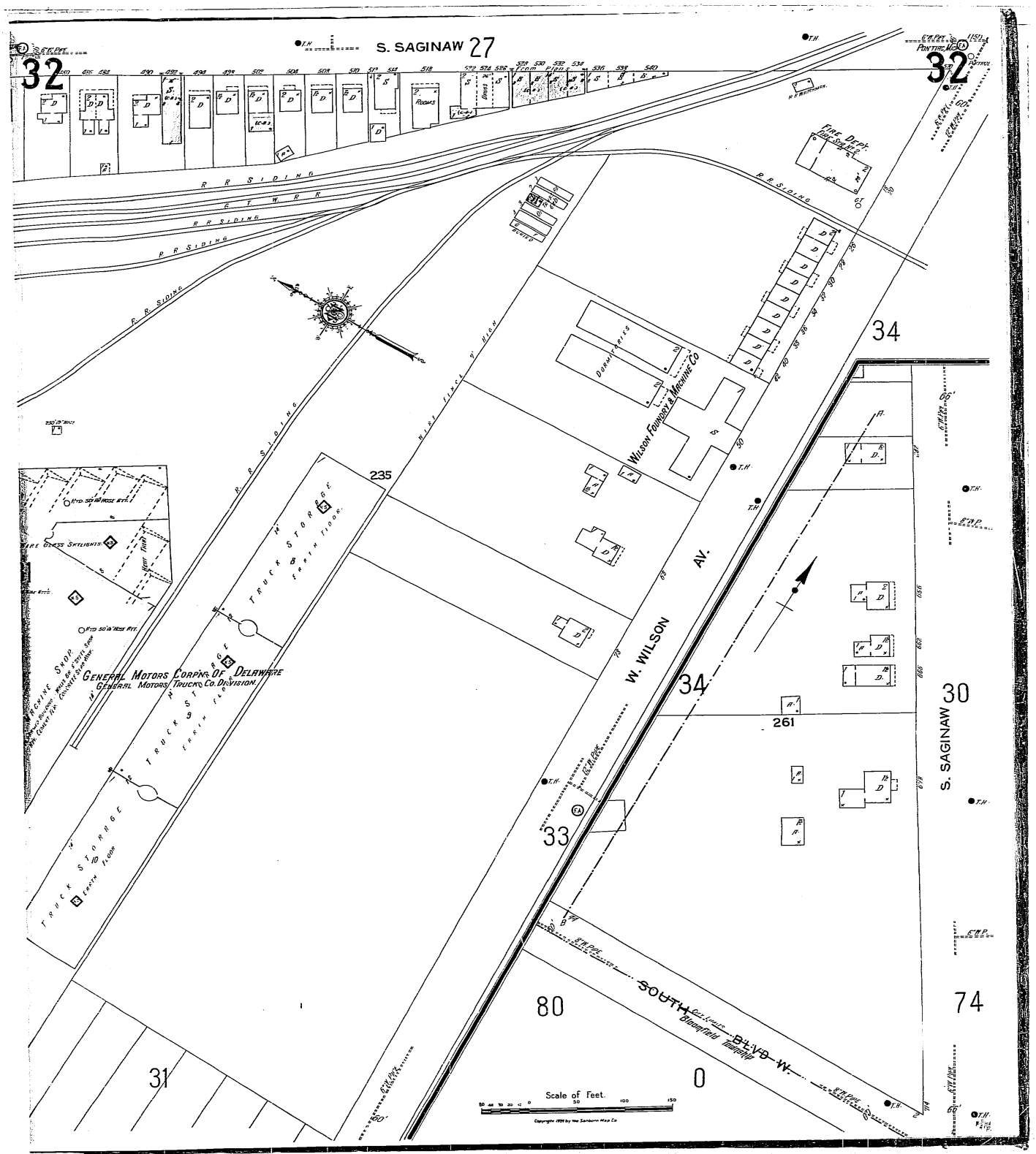
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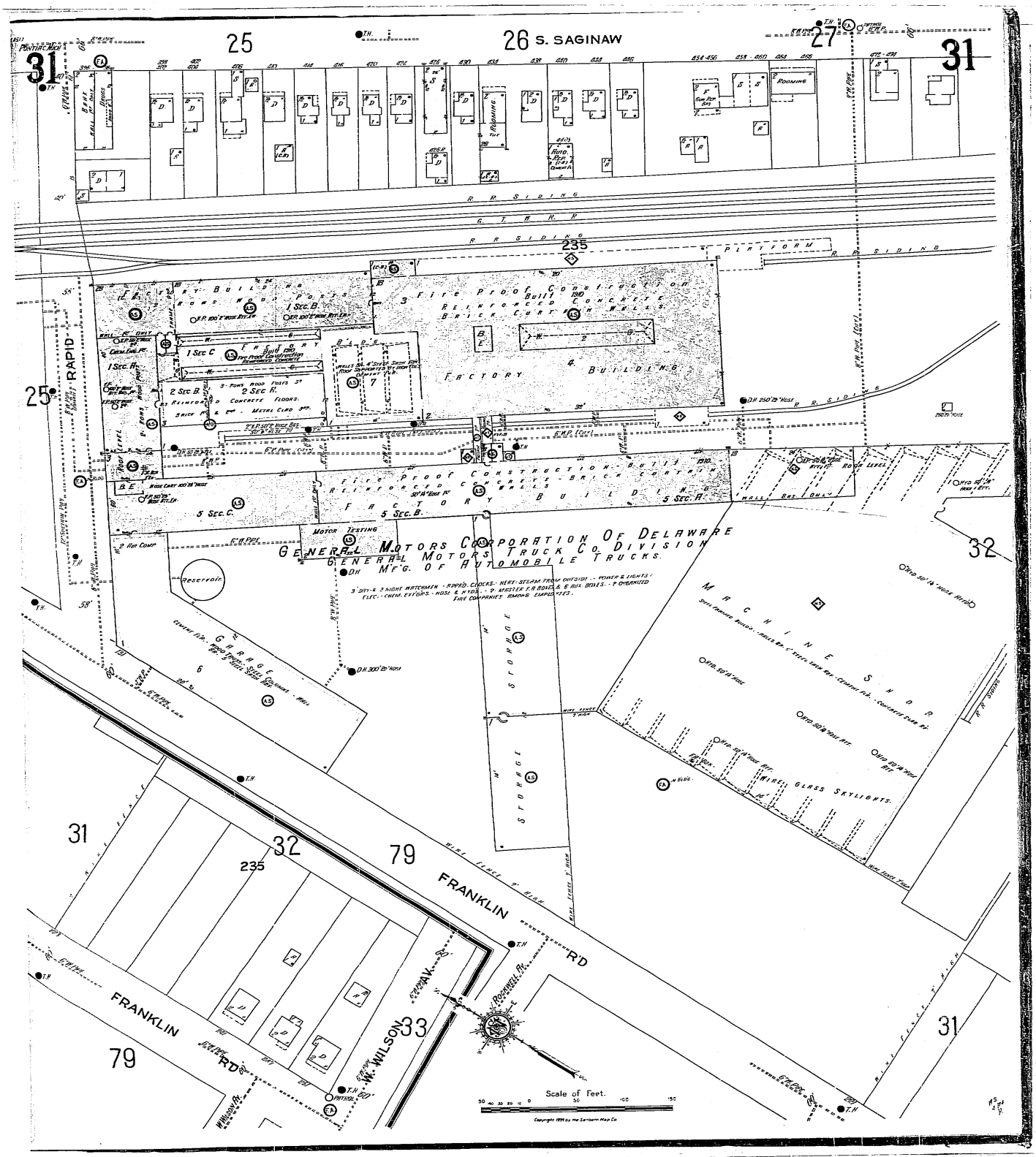


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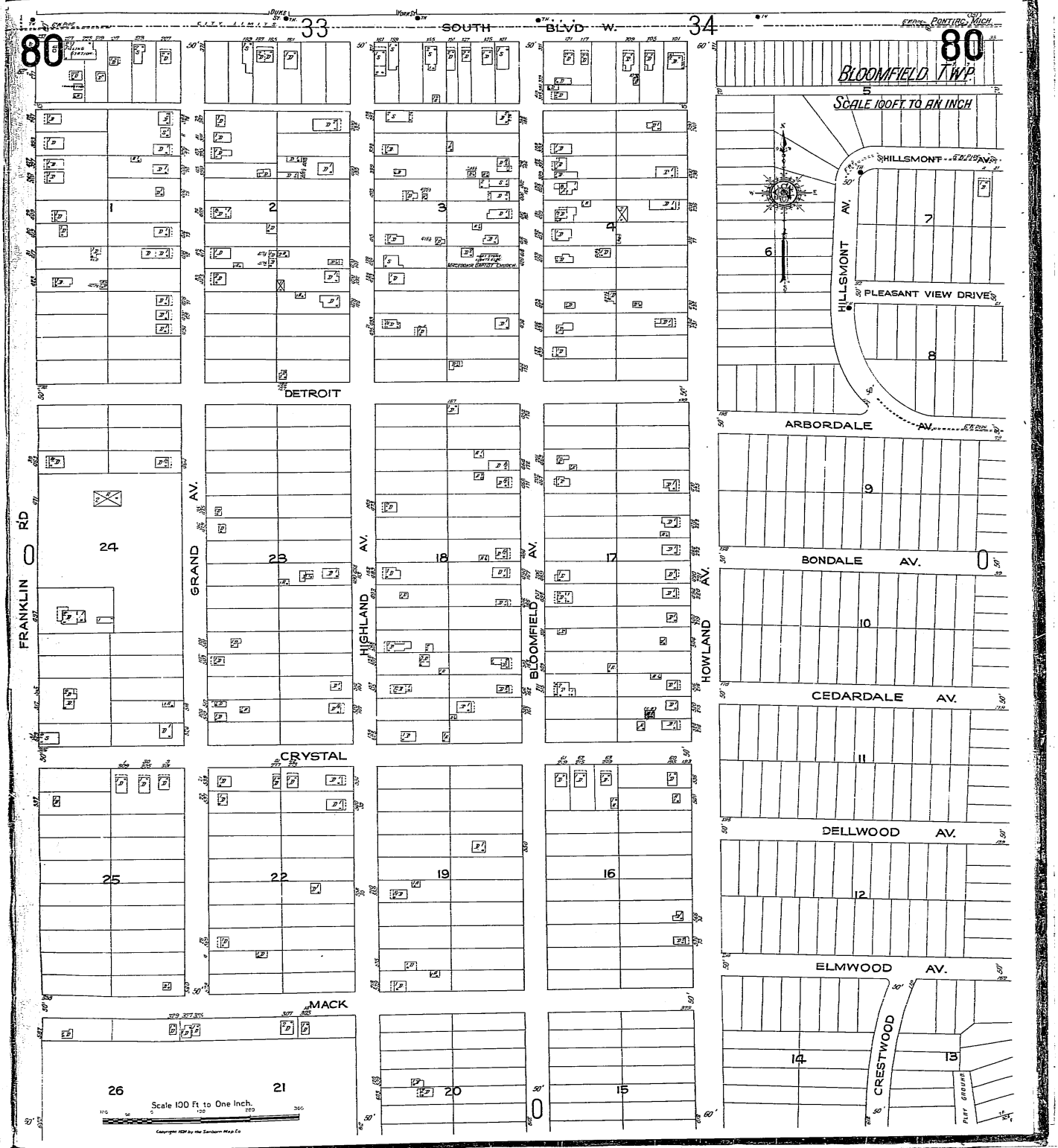




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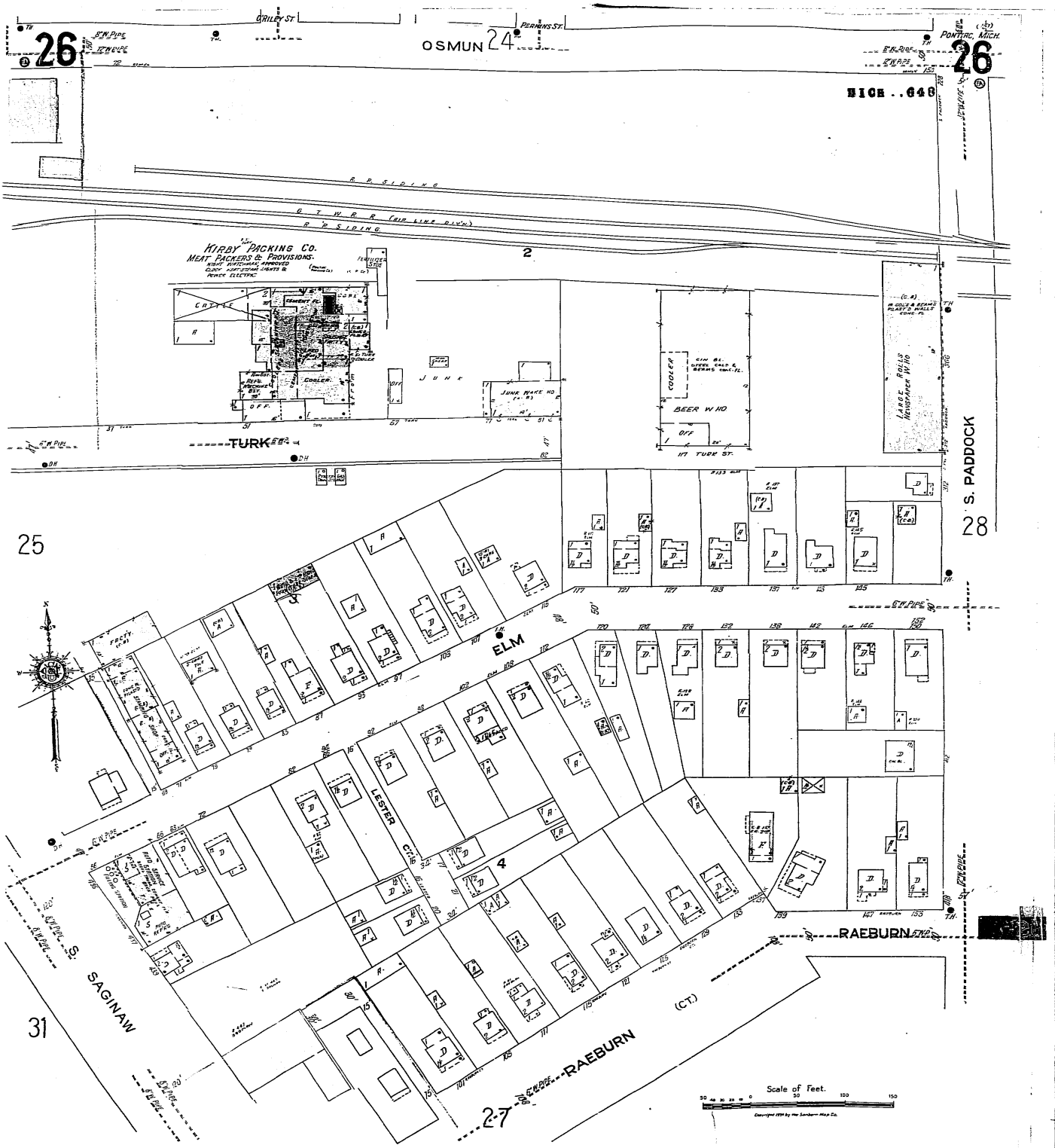
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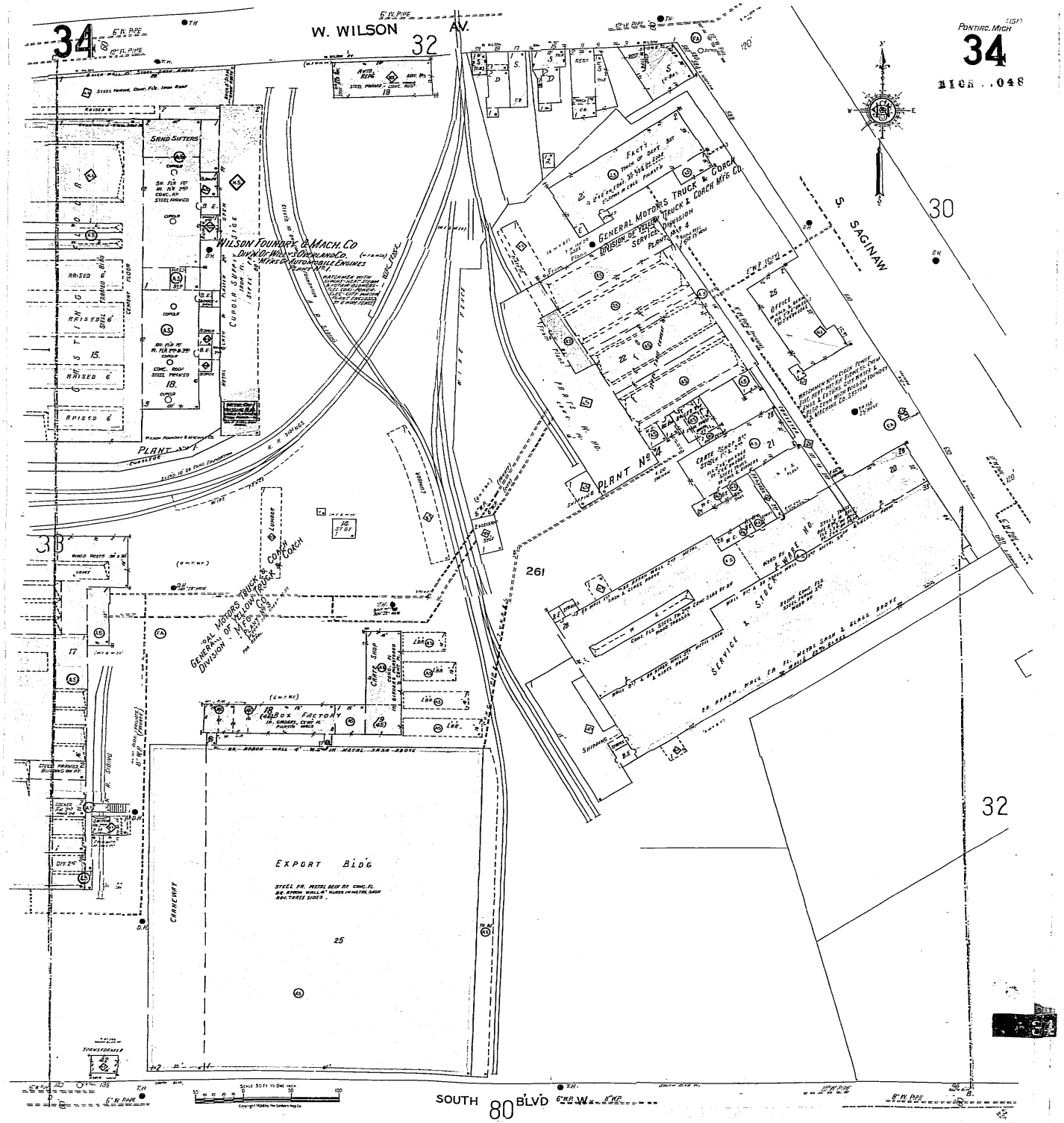
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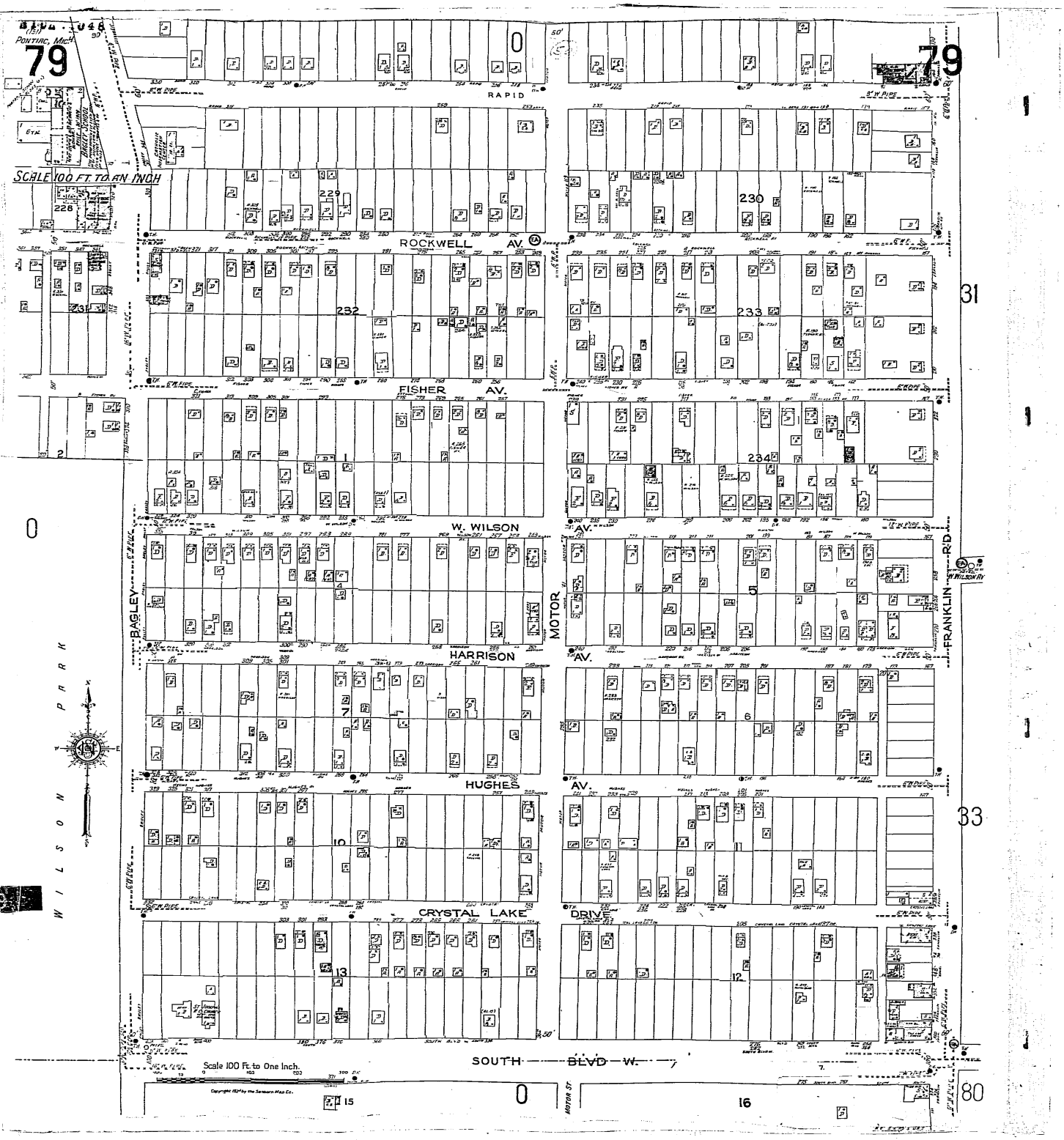


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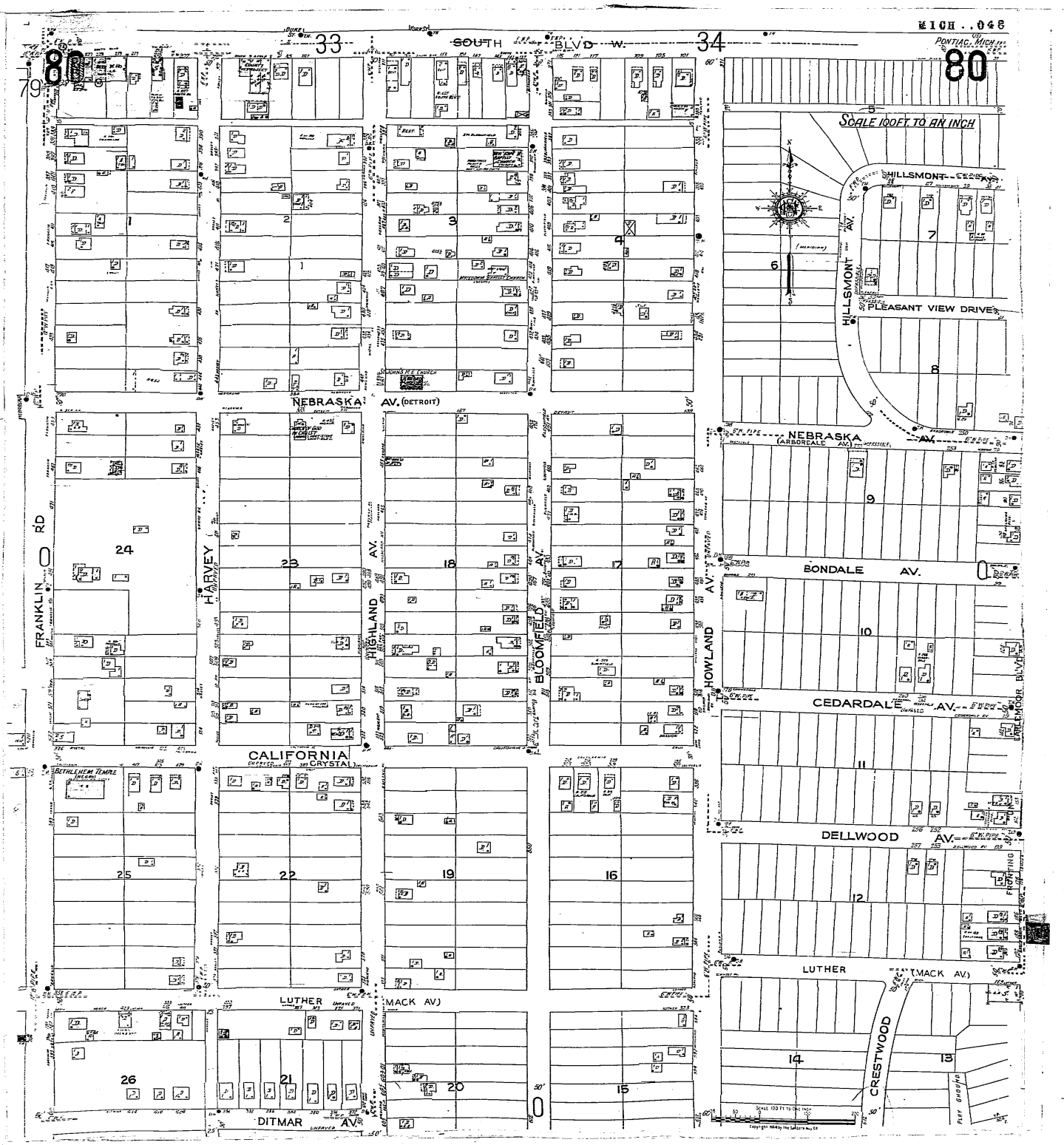


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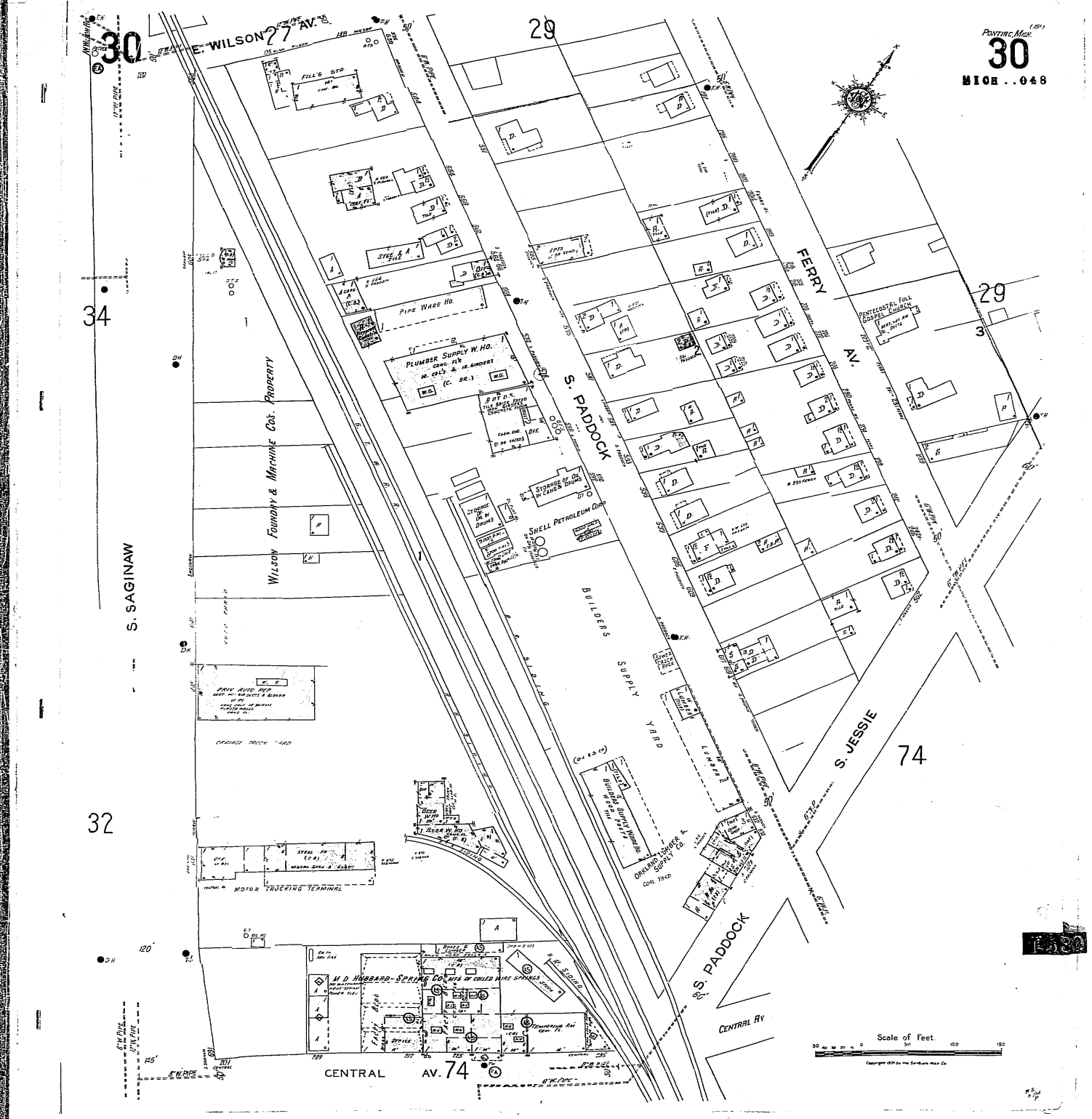
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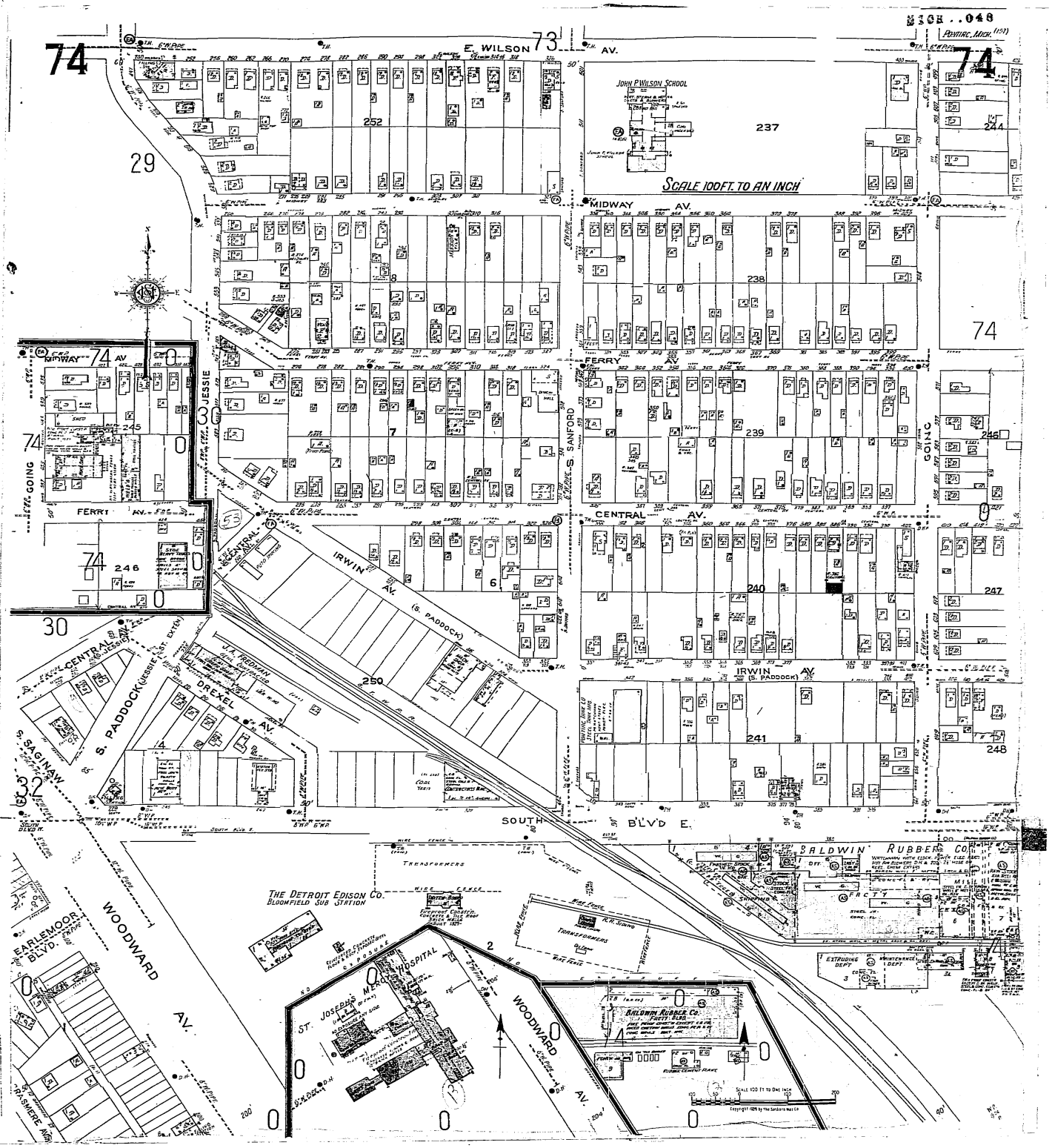
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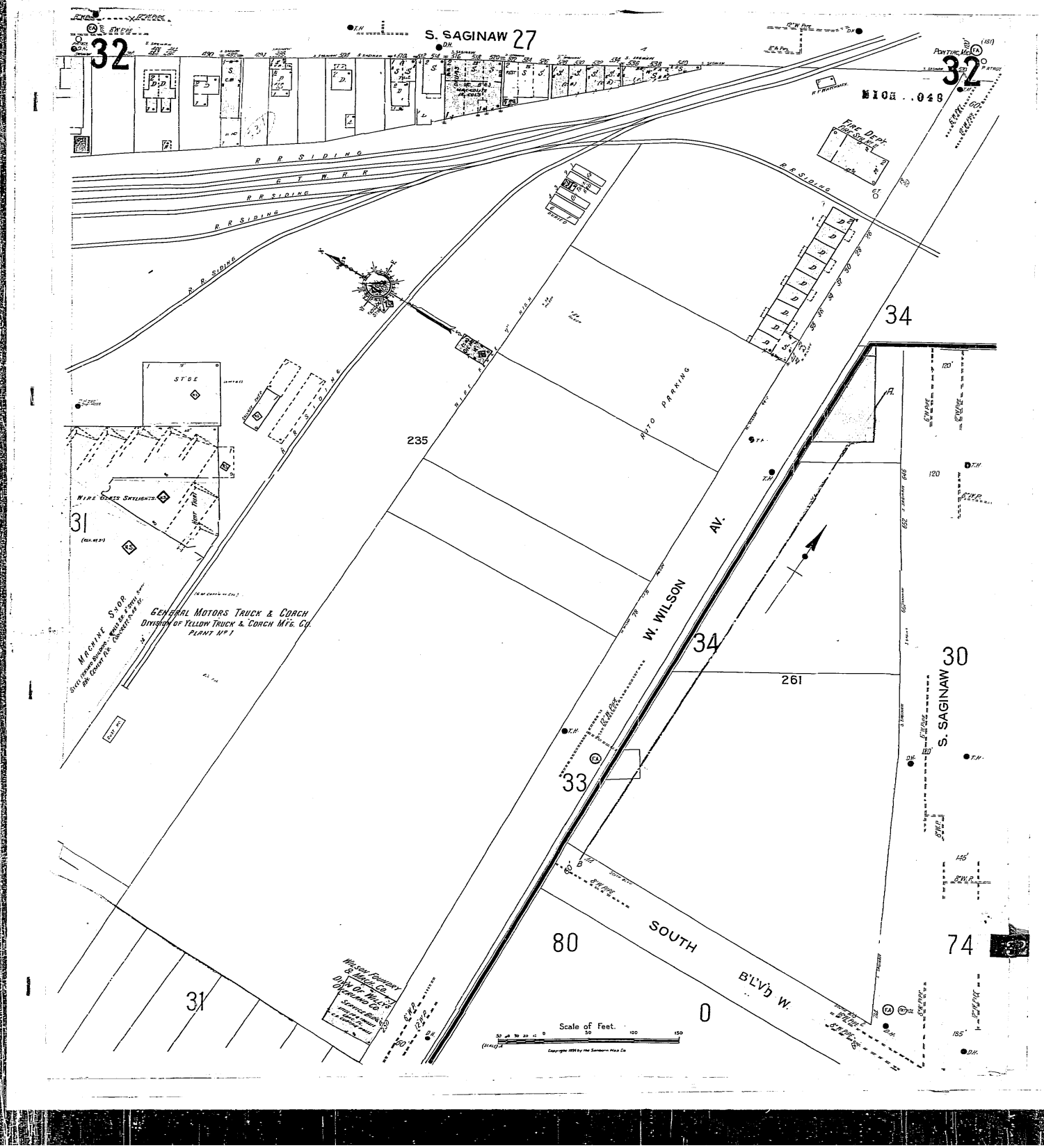
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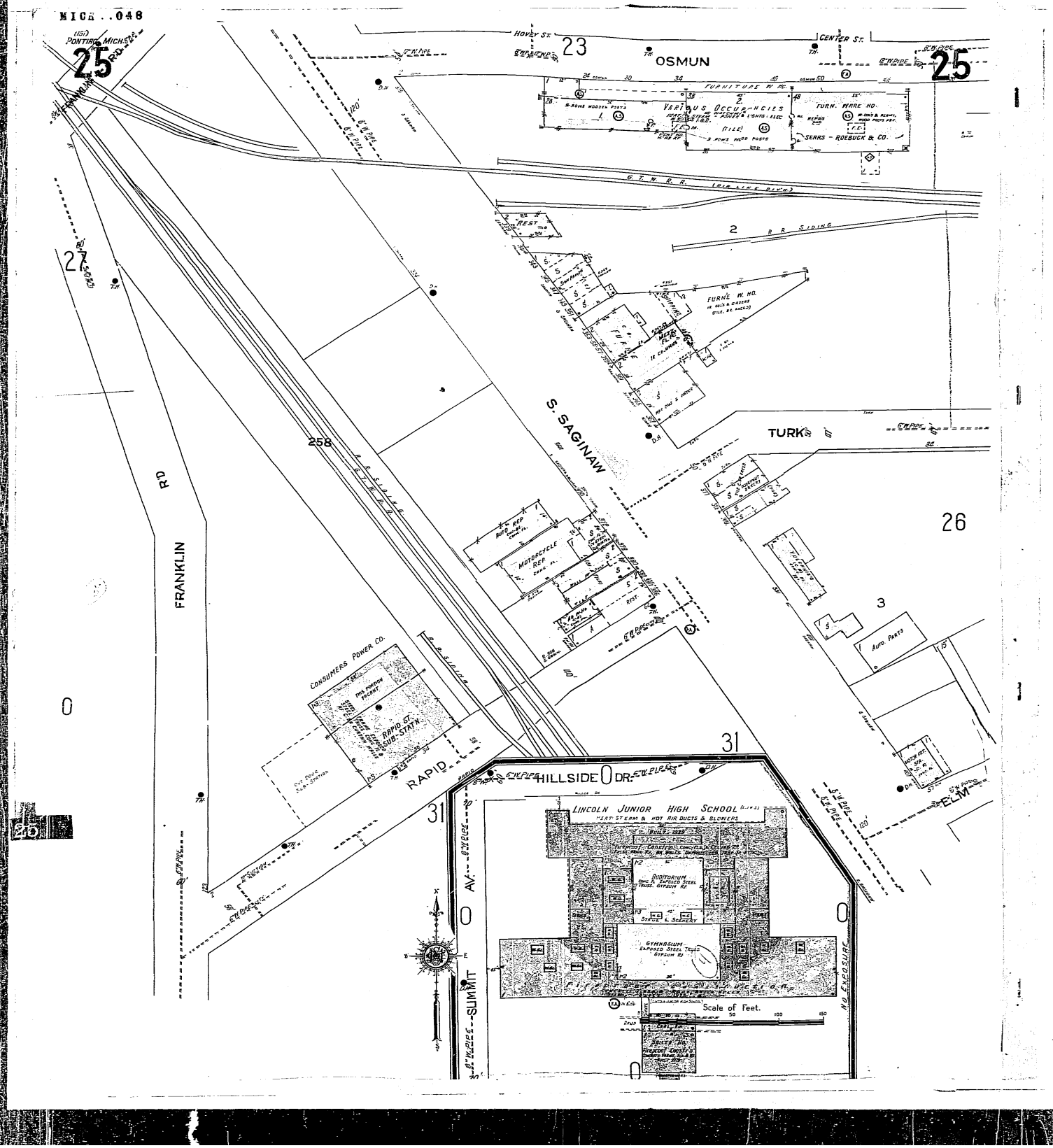
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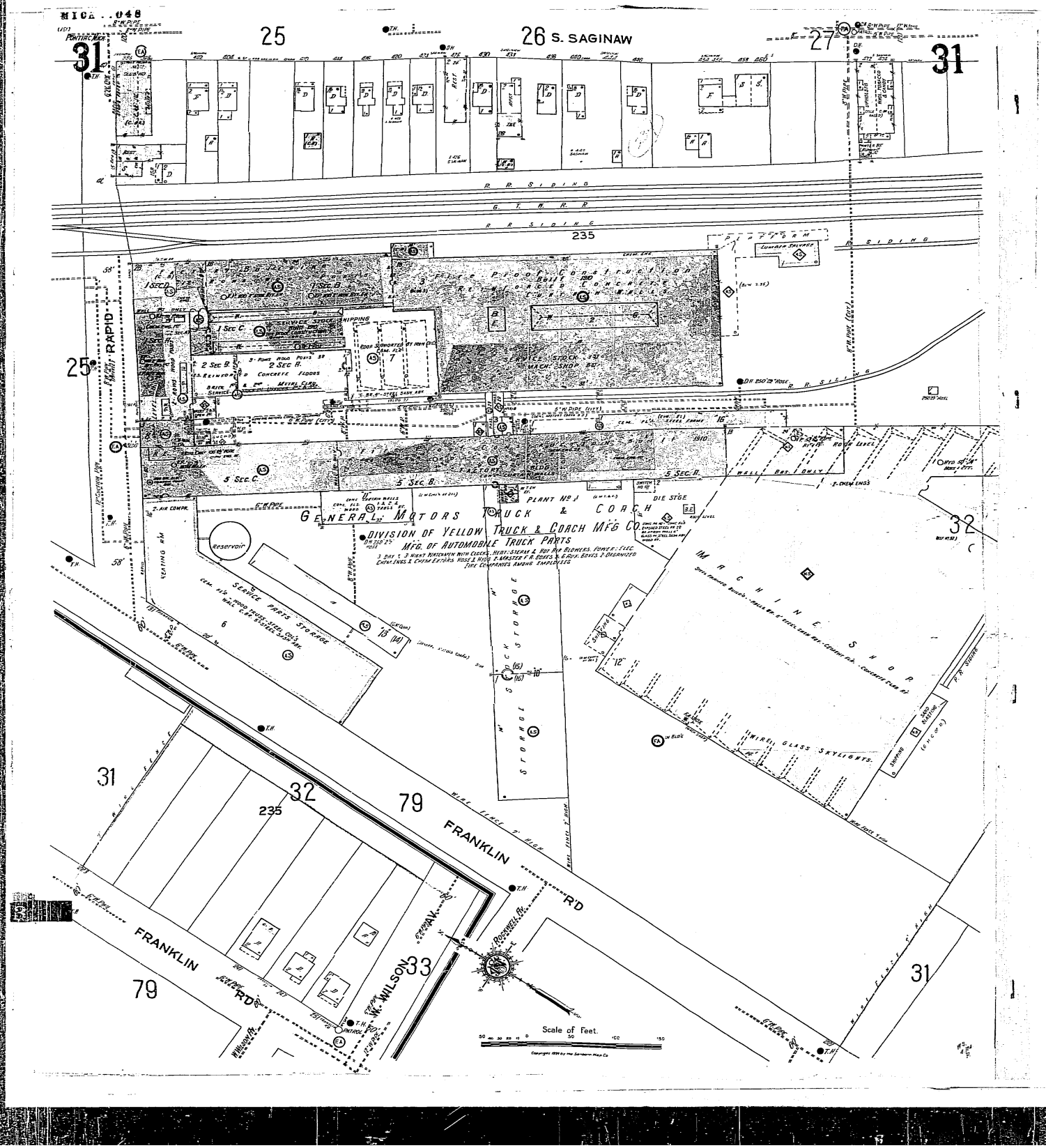
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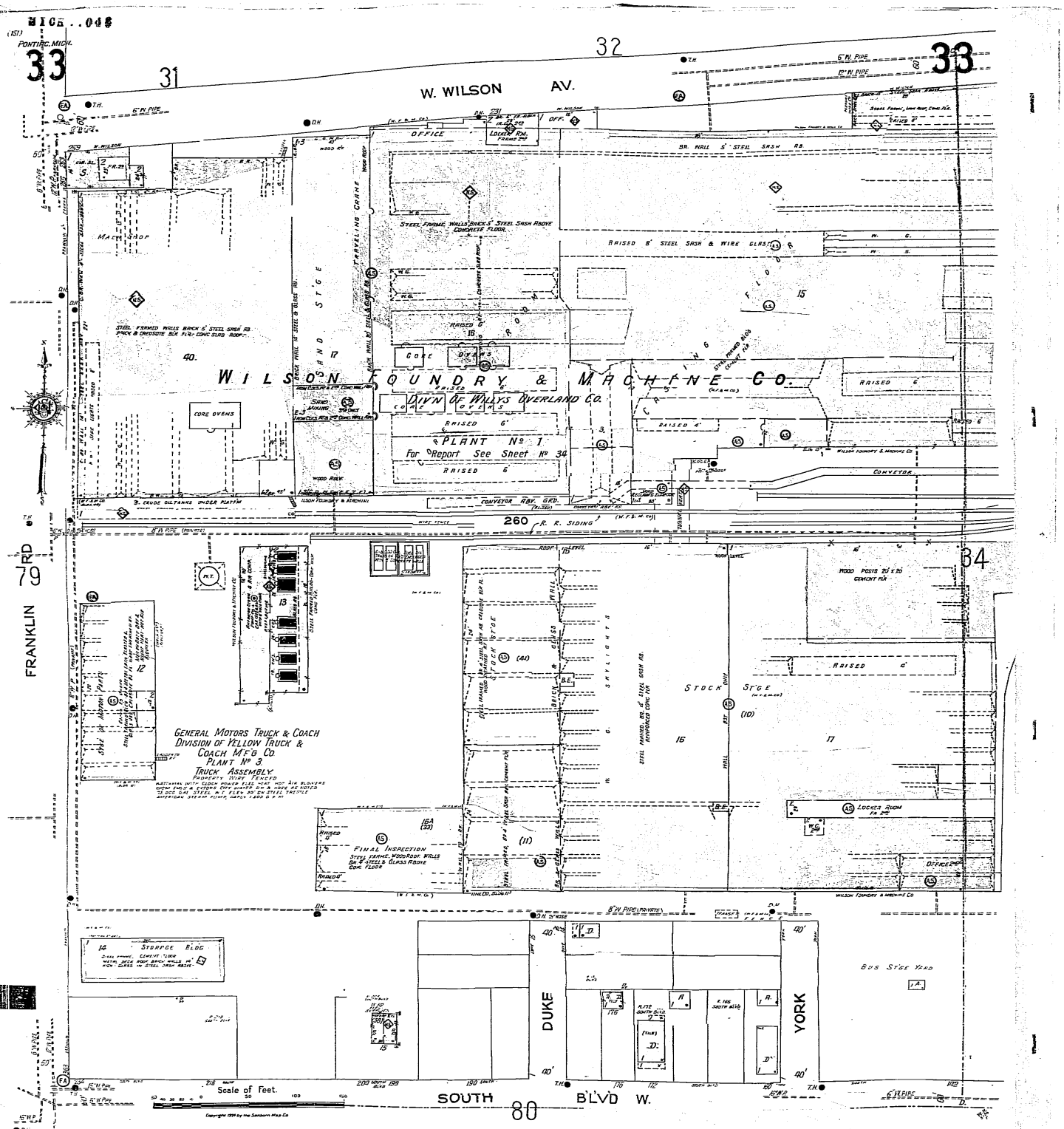


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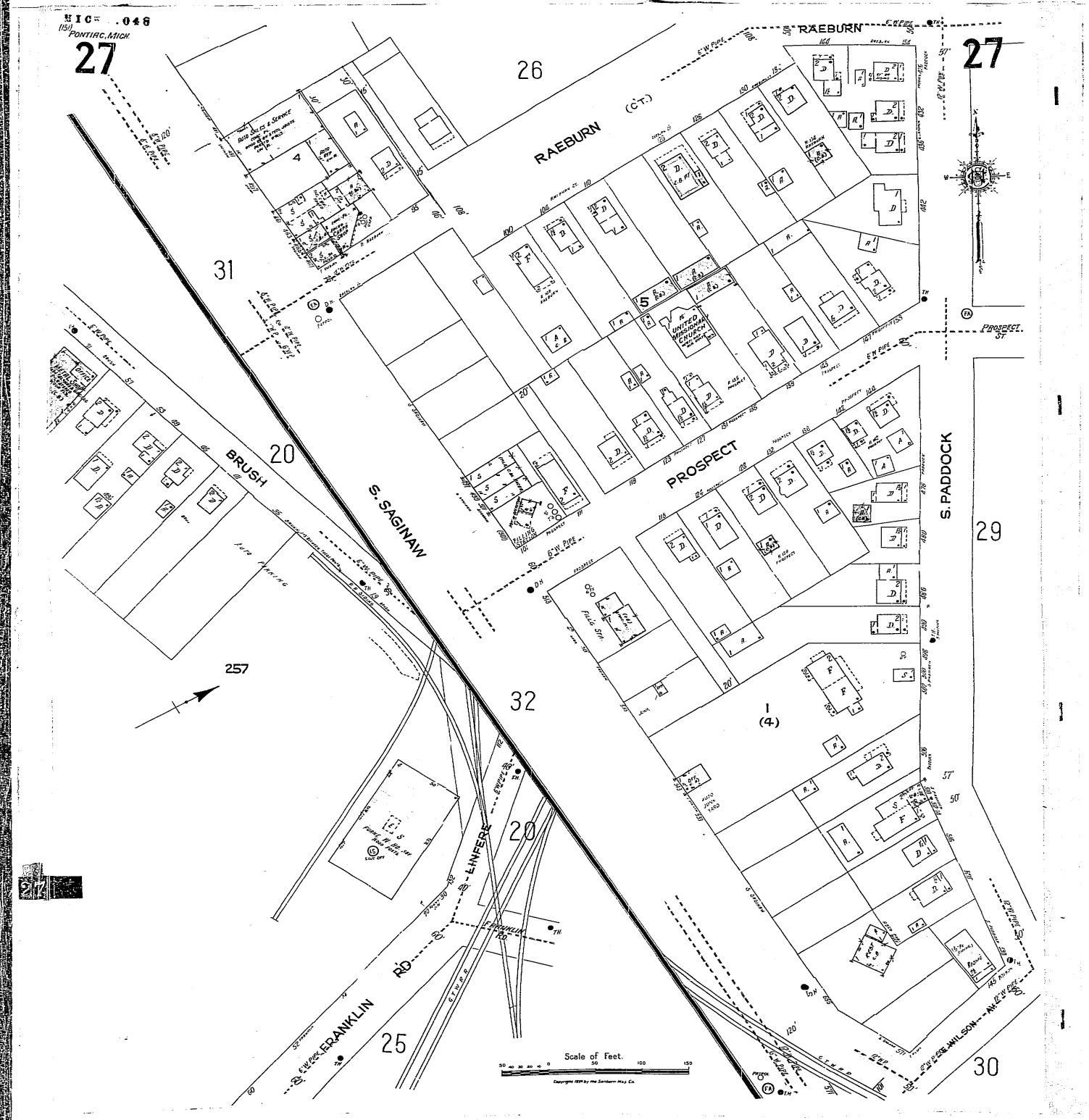
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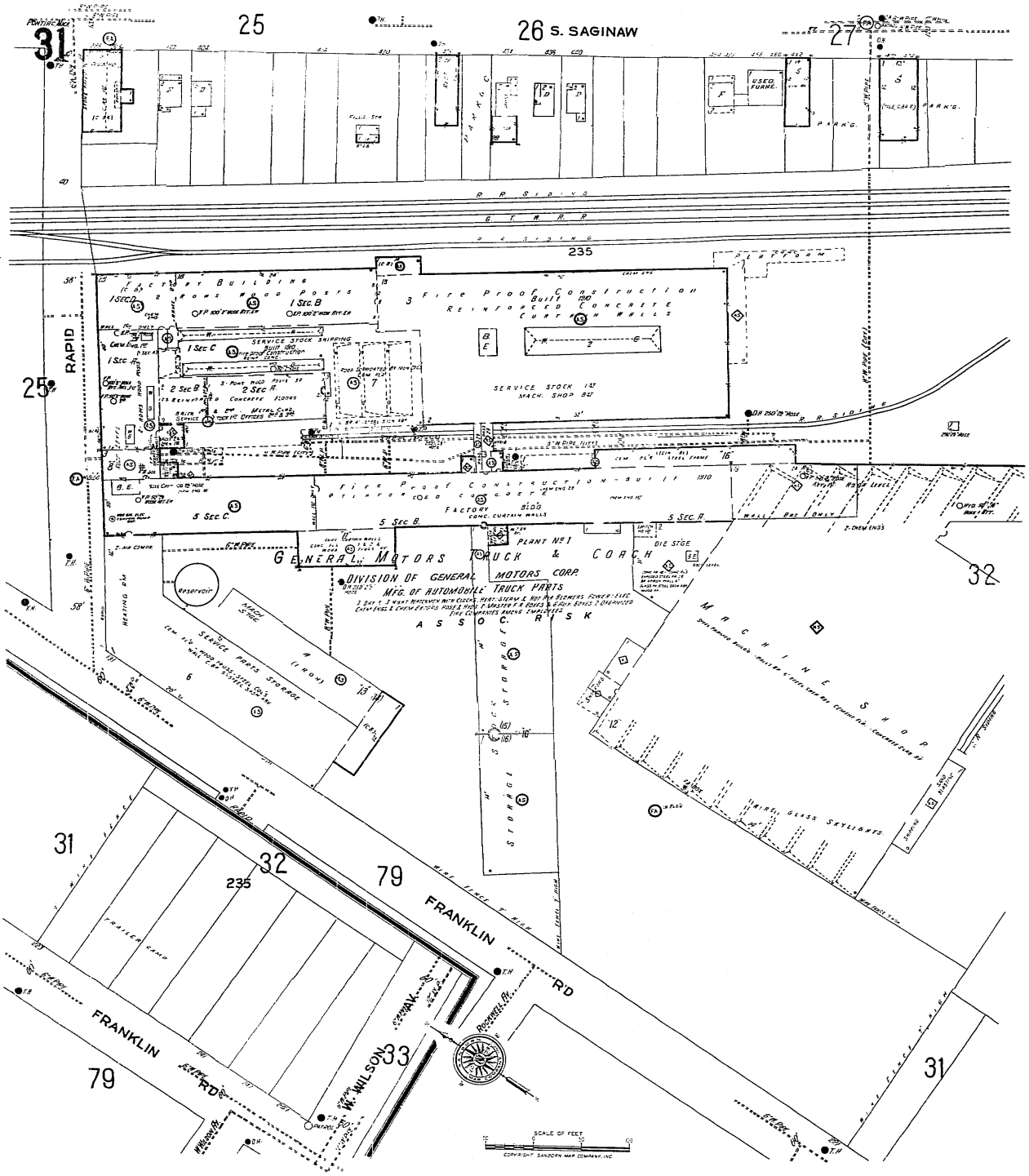
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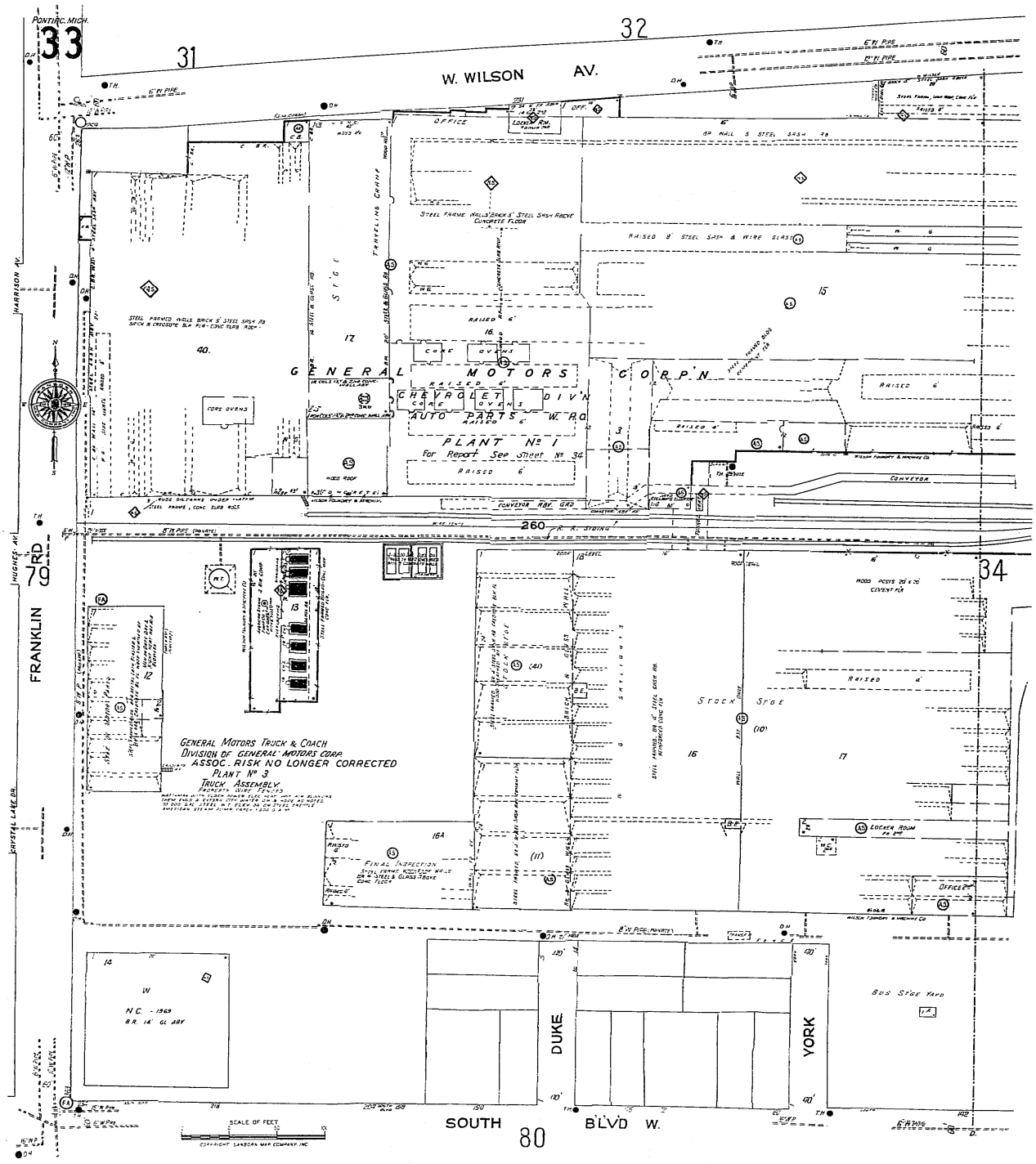




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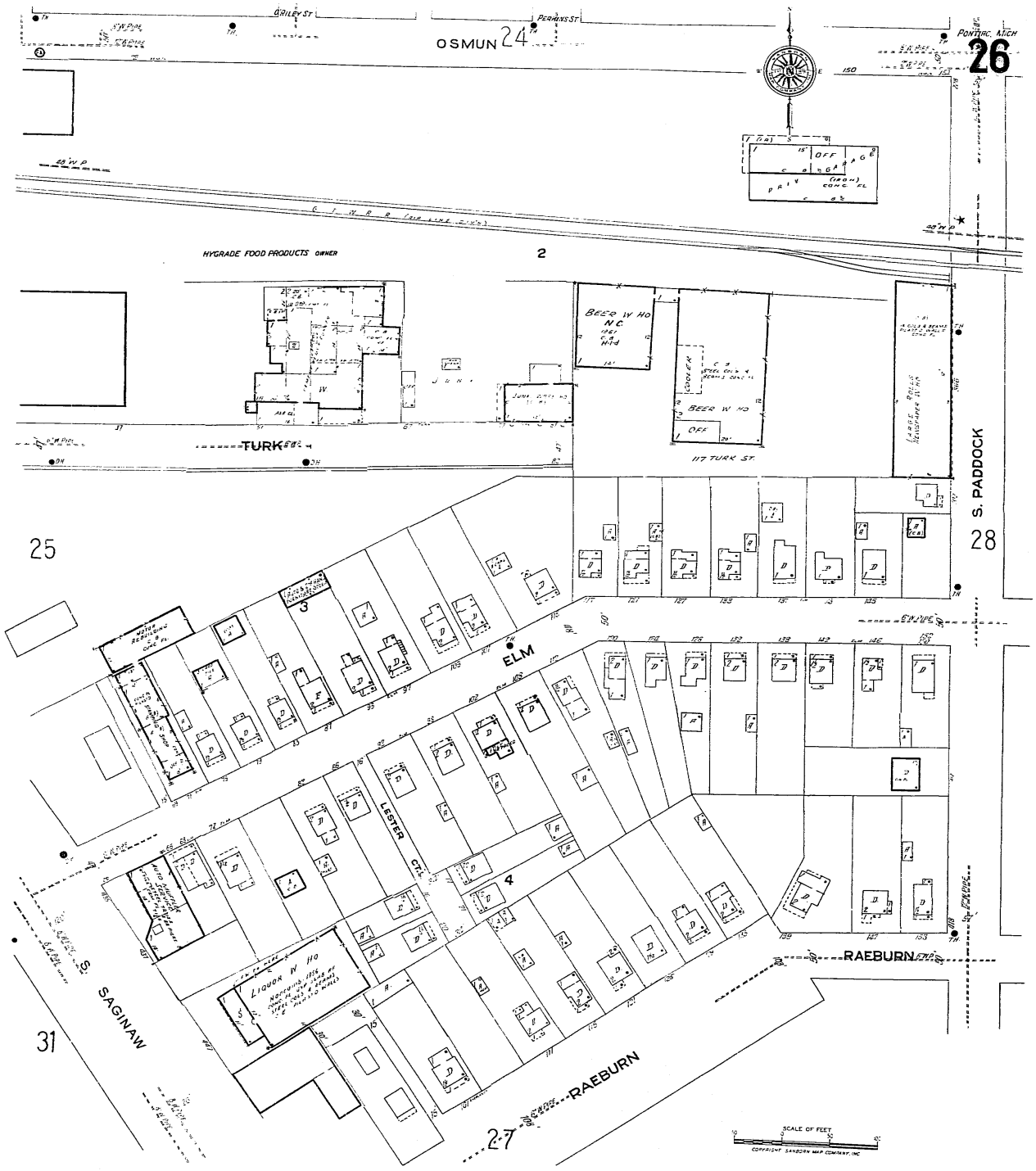
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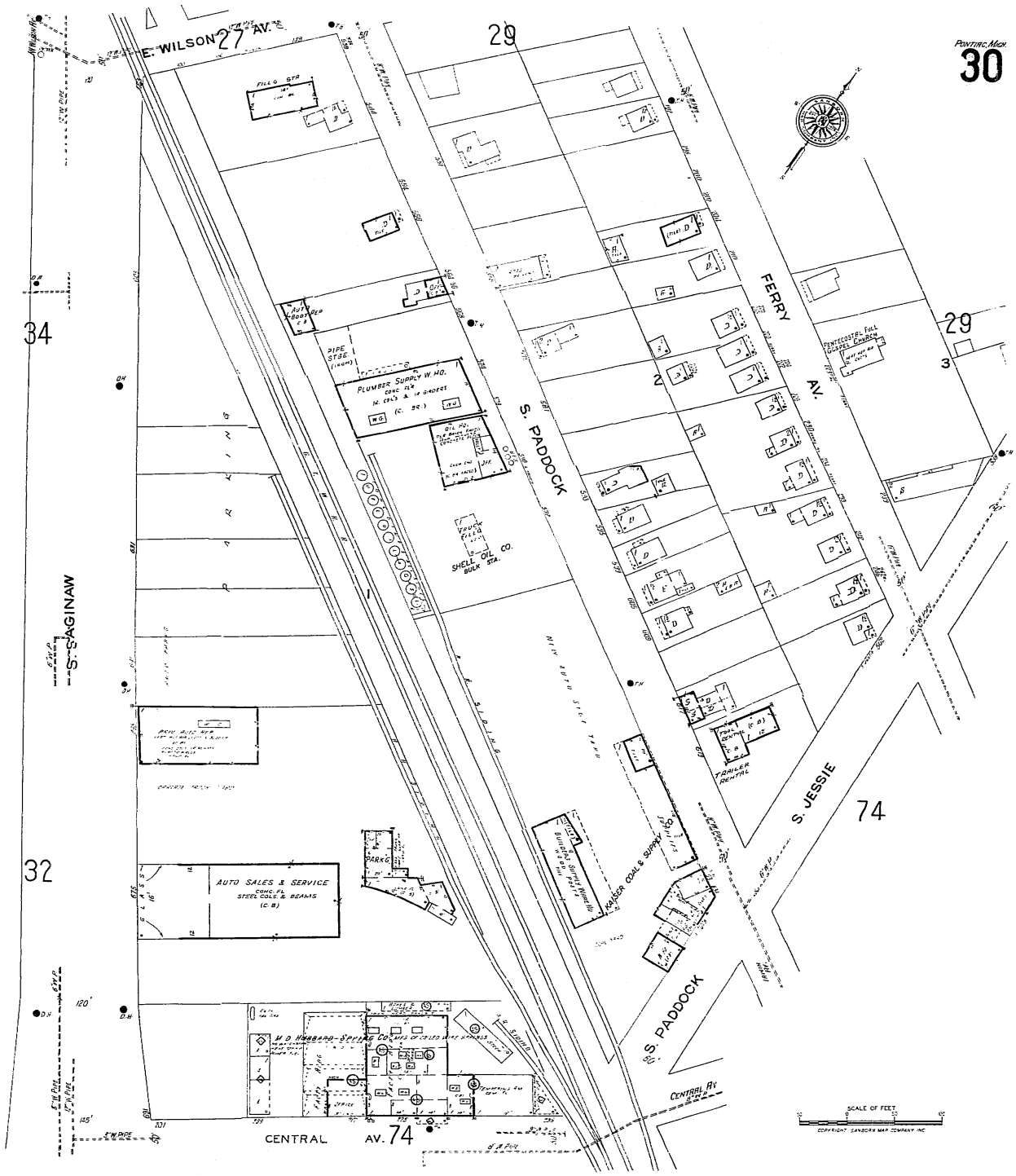
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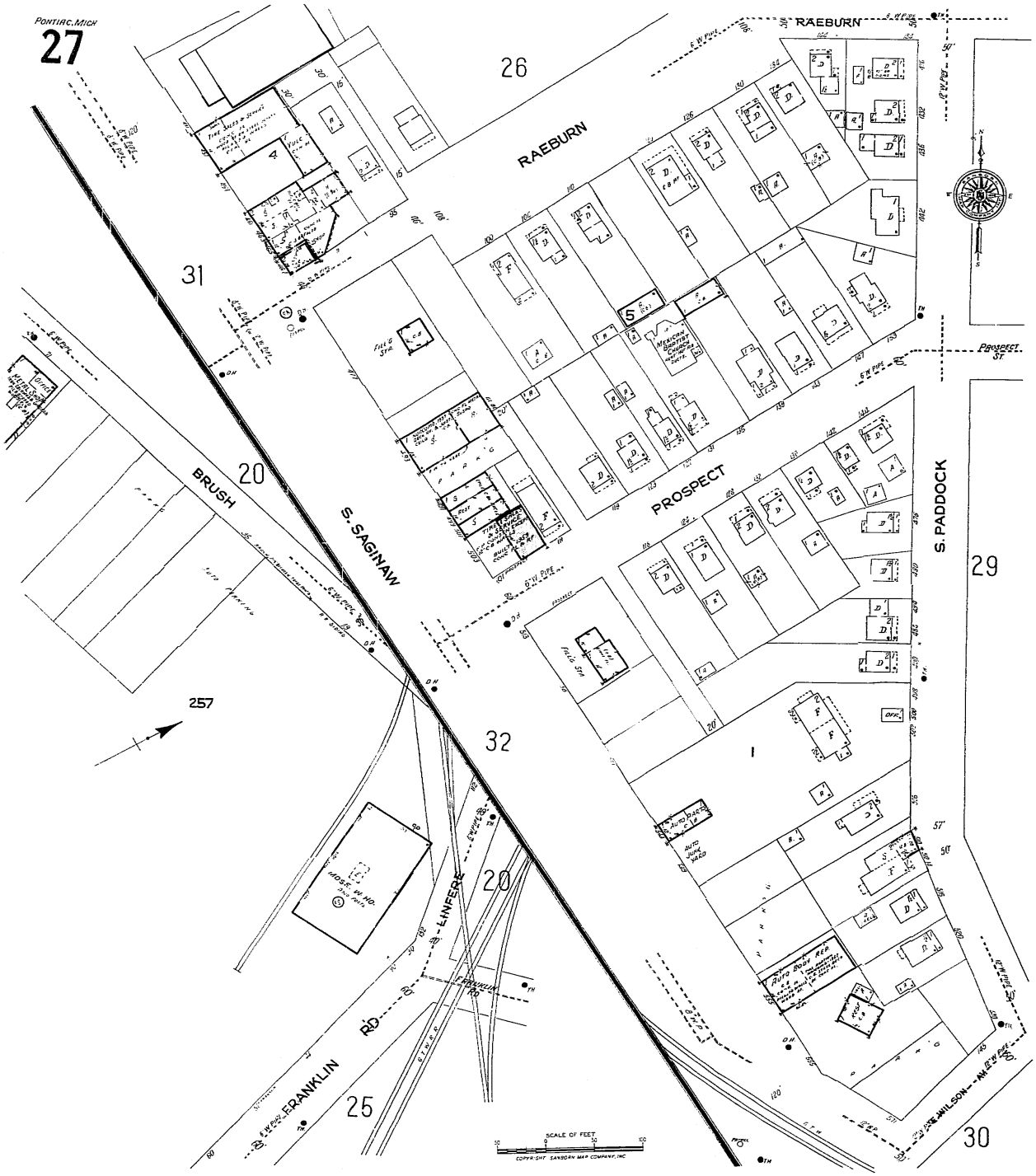
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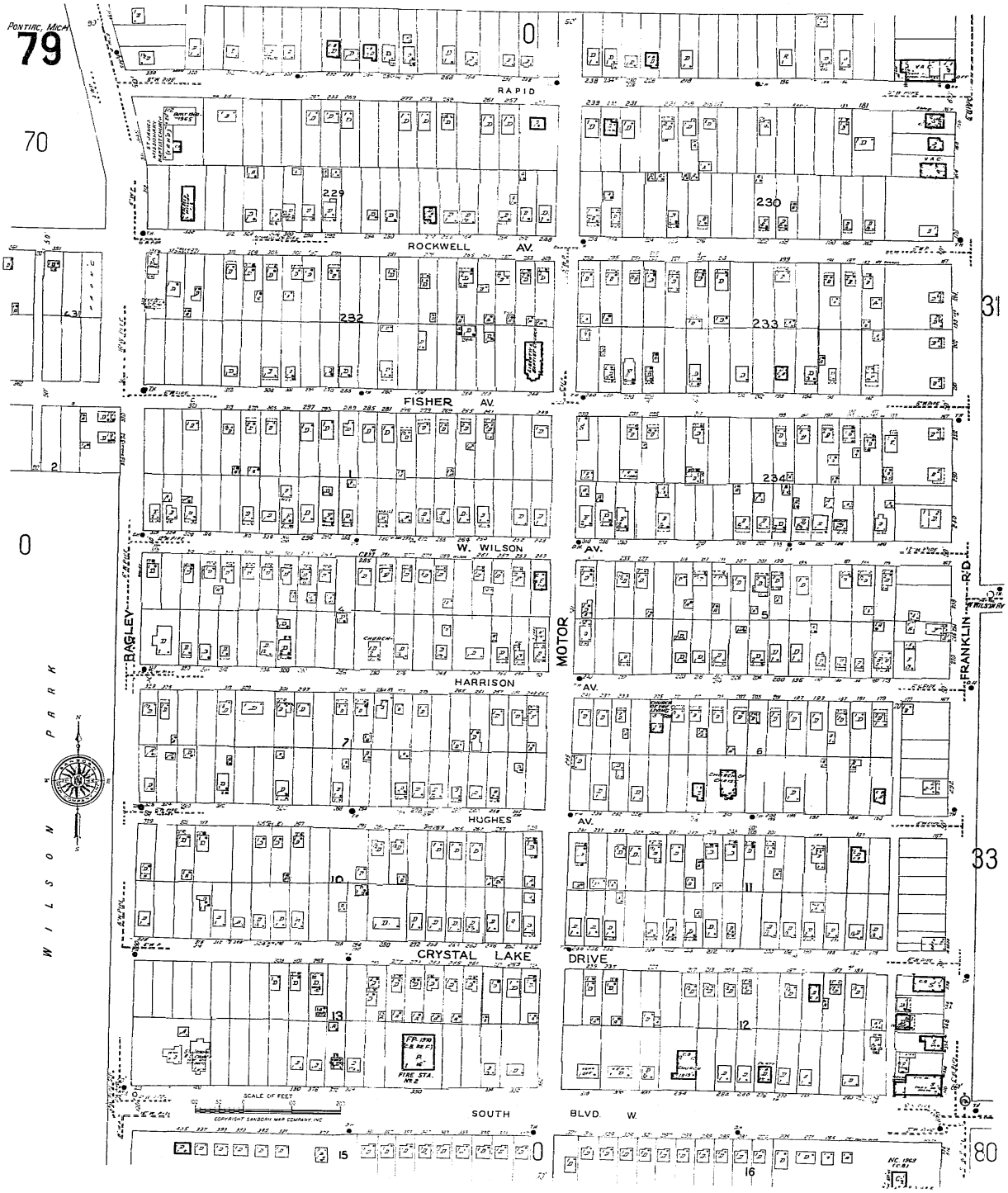
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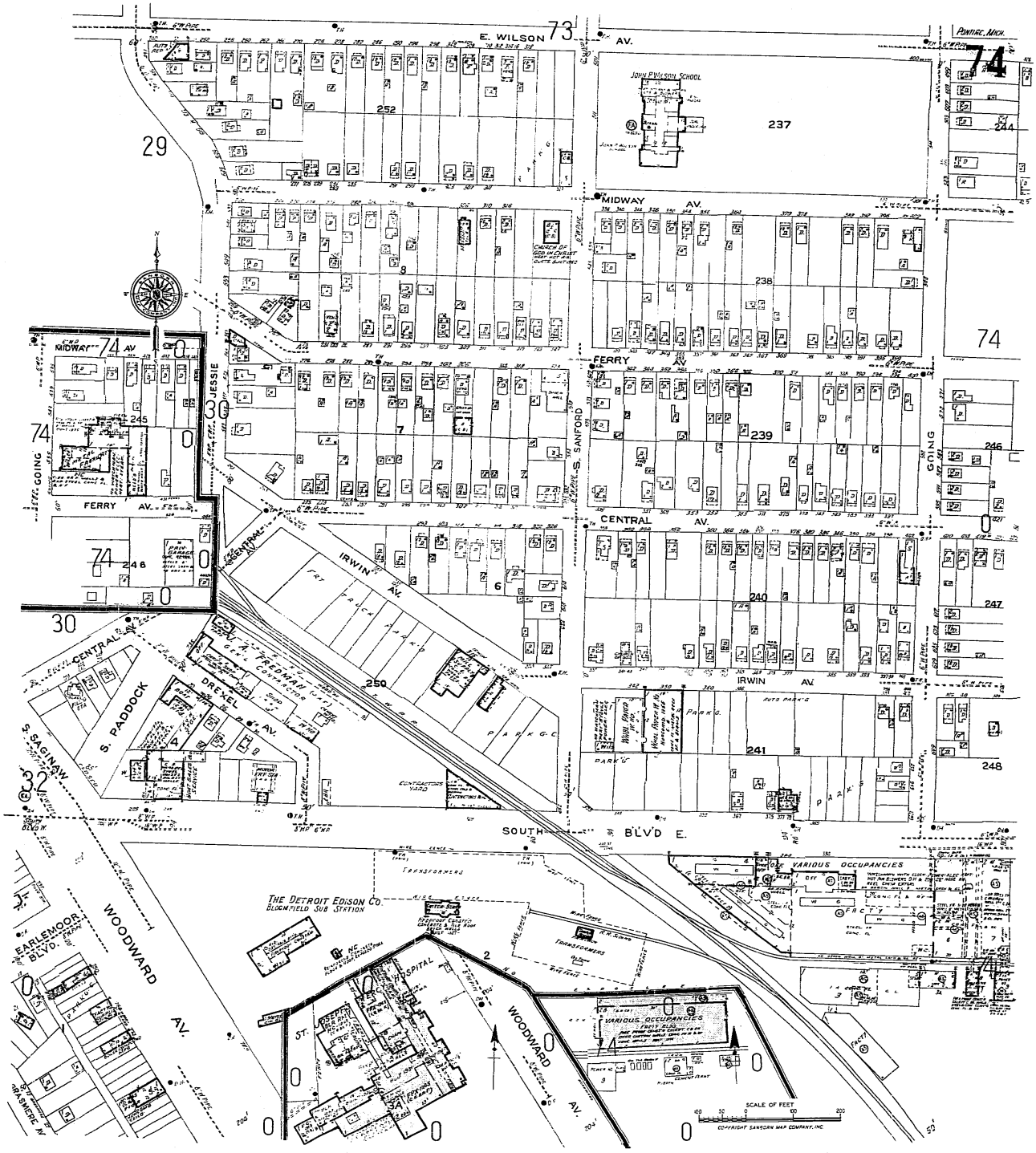
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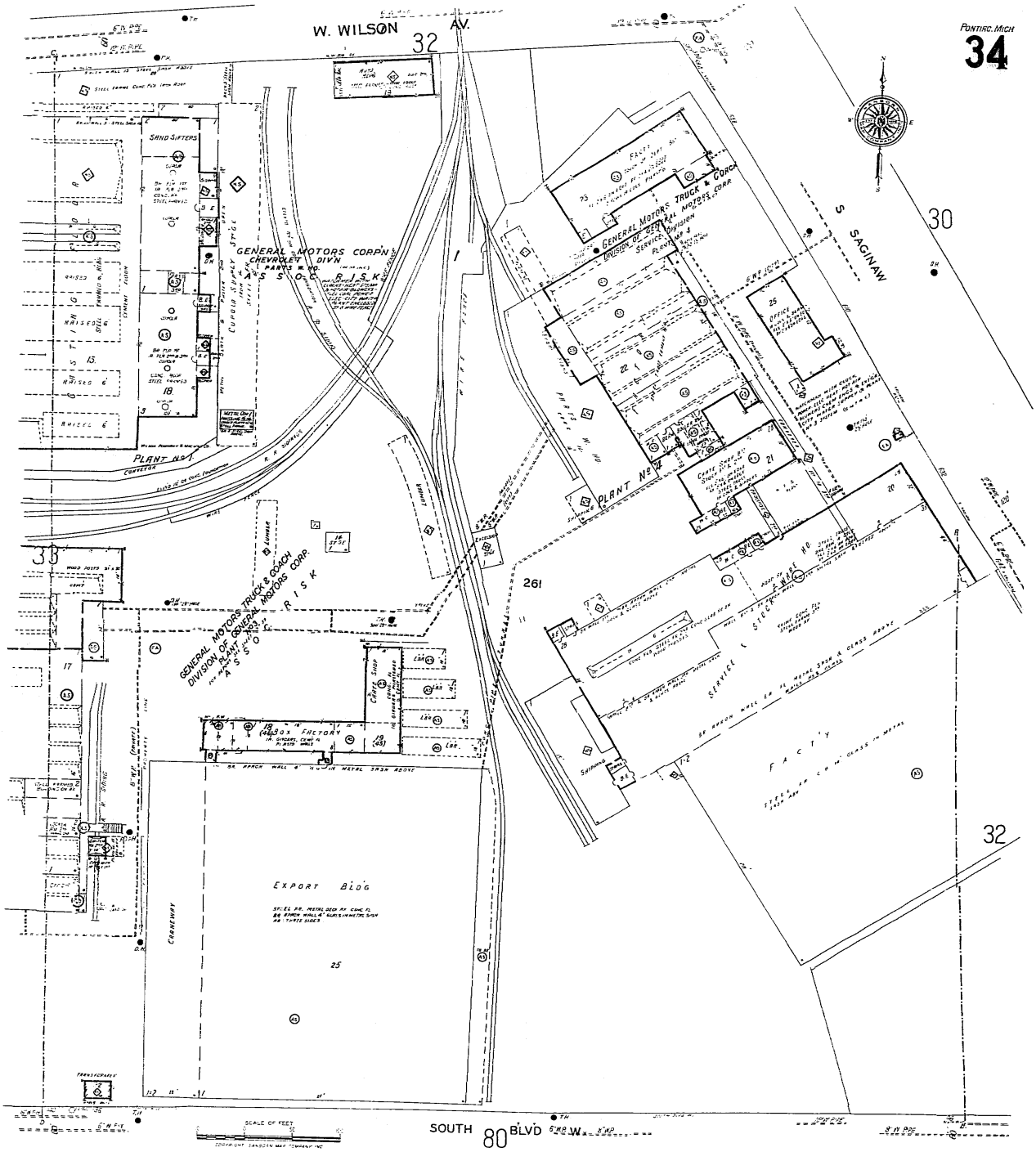


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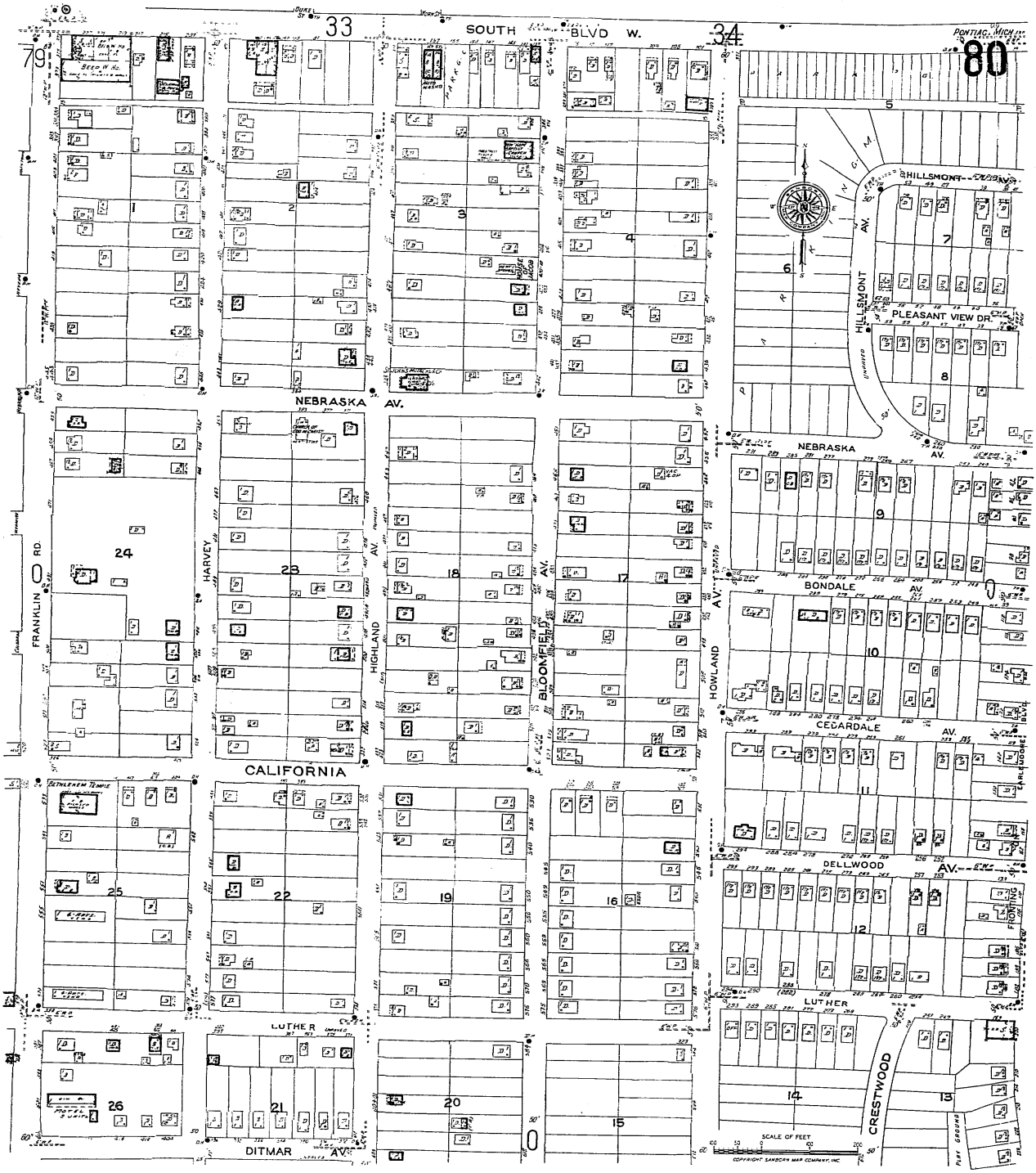




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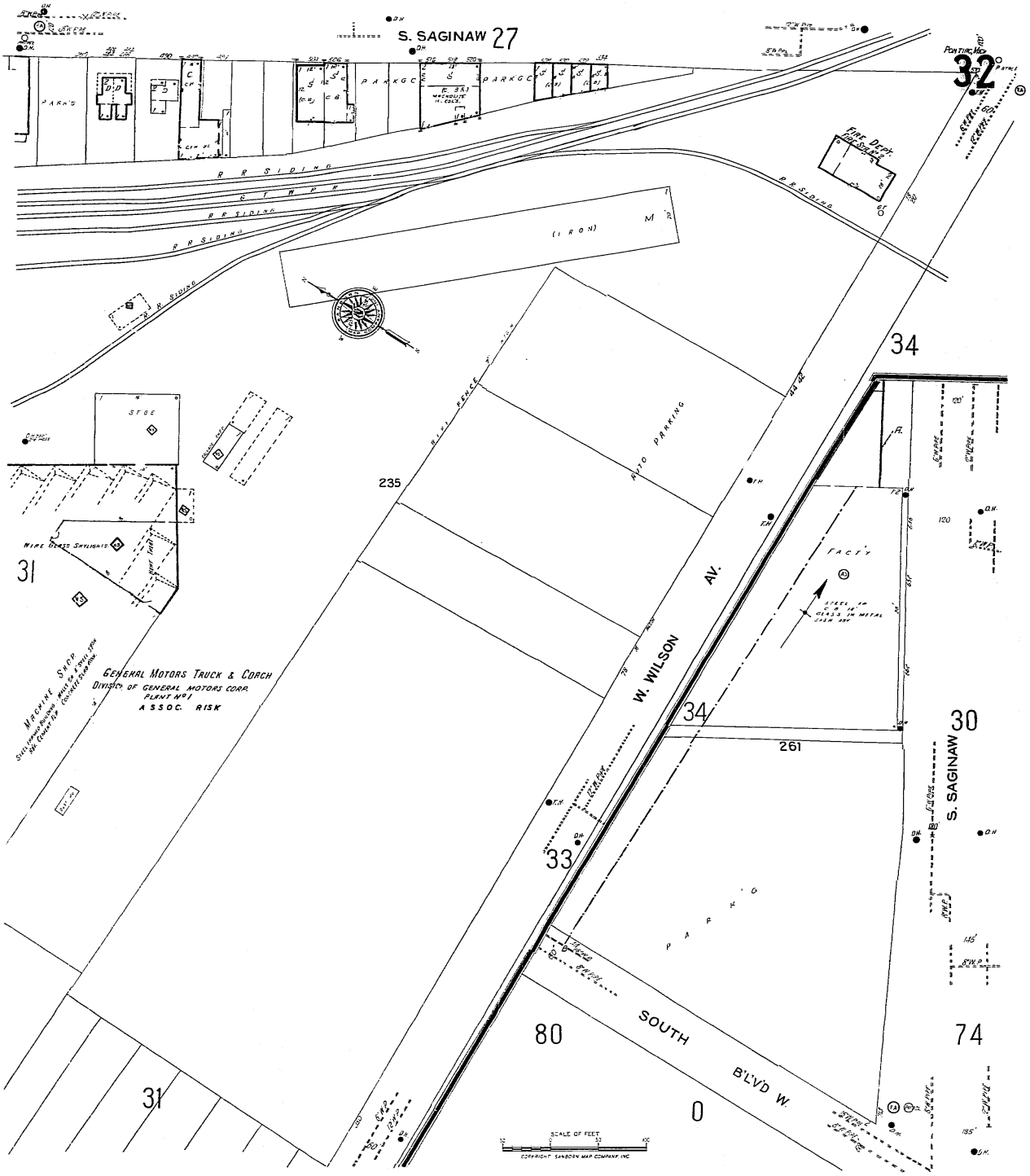
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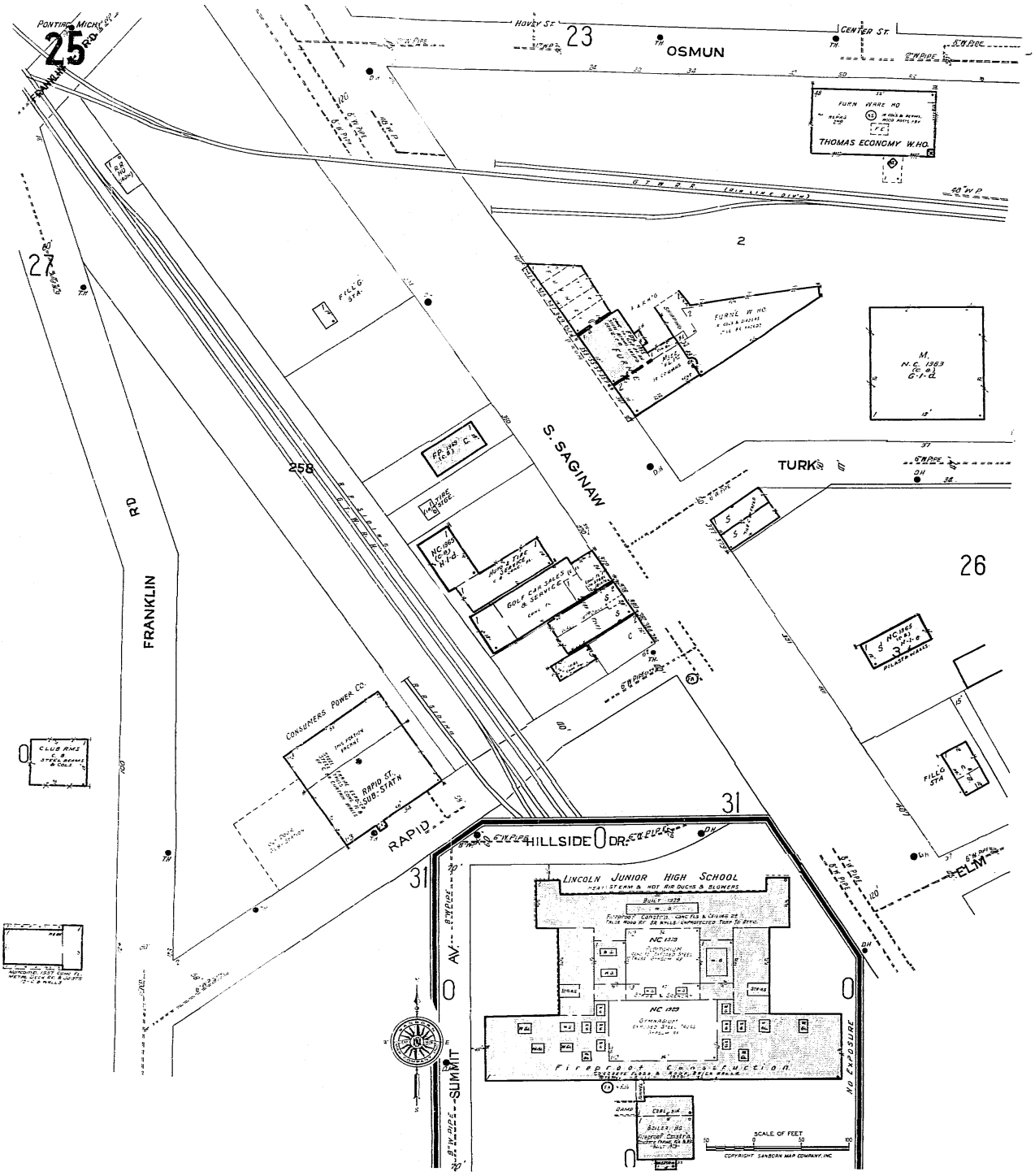
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APPENDIX F

AERIAL PHOTOGRAPHS



OakMap

Oakland County's Property Information Lookup System

Oakland County Michigan — ONE STOP SHOP

Disclaimer: The information provided herewith has been compiled from recorded deeds, plats, tax maps, surveys and other public records. It is not a legally recorded map or survey and is not intended to be used as one. Users should consult the information sources mentioned above when questions arise.

L. Brooks Patterson
Oakland County Executive

Legend

- Parcel Lines
- CVT Boundaries
- Contours
- Section Lines
- Survey Corners

FEMA Data:

- Base Flood Elevation
- Cross Section
- Floodway

Floodplain

- 100 yr approx.
- 100 yr detailed
- 500 yr

NORTH

1 inch equals 300 feet

2000 Aerials

Printed on Sep 19, 2006

Oakland County Planning and Economic Development Services 1200 North Telegraph Road Bldg. 34 East Pontiac, MI 48341 Phone: 248-858-0720 Web: http://www.oakgov.com/oss



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Oakland County Executive

Disclaimer: The information provided herewith has been compiled from recorded deeds, plats, tax maps, surveys and other public records. It is not a legally recorded map or survey and is not intended to be used as one. Users should consult the information sources mentioned above when questions arise.

Legend

- Parcel Lines
- CVT Boundaries
- Contours
- Section Lines
- Survey Corners

FEMA Data:

- Base Flood Elevation
- Cross Section
- Floodway

Floodplain

- 100 yr approx.
- 100 yr detailed
- 500 yr

NORTH

1 inch equals 300 feet

1997 Aerials

Printed on Sep 19, 2006

Oakland County Planning and Economic Development Services 1200 North Telegraph Road Bldg. 34 East Pontiac, MI 48341 Phone: 248-858-0720 Web: http://www.oakgov.com/oss



OakMap

Oakland County's Property Information Lookup System

Oakland County Michigan — ONE STOP SHOP

L. Brooks Patterson
Oakland County Executive

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- CVT Boundaries
- Contours
- Section Lines
- Survey Corners

FEMA Data:

- Base Flood Elevation
- Cross Section
- Floodway

Floodplain

- 100 yr approx.
- 100 yr detailed
- 500 yr

NORTH

1 inch equals 300 feet

1990 Aerials

Printed on Sep 19 2006

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Legend

- Parcel Lines
- CVT Boundaries
- Contours
- Section Lines
- Survey Corners

FEMA Data:

- Base Flood Elevation
- Cross Section
- Floodway

Floodplain

- 100 yr approx.
- 100 yr detailed
- 500 yr

NORTH

1 inch equals 300 feet

1980 Aerials

Printed on Sep 19, 2006

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Legend

- Parcel Lines
- CVT Boundaries
- Contours
- Section Lines
- Survey Corners

FEMA Data:

- Base Flood Elevation
- Cross Section
- Floodway

Floodplain

- 100 yr approx.
- 100 yr detailed
- 500 yr

NORTH

1 inch equals 300 feet

1974 Aerials

Printed on Sep 19, 2006

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Oakland County's Property Information Lookup System

Oakland County Michigan — ONE STOP SHOP

L. Brooks Patterson
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Legend

- Parcel Lines
- CVT Boundaries
- Contours
- Section Lines
- Survey Corners

FEMA Data:

- Base Flood Elevation
- Cross Section
- Floodway

Floodplain

- 100 yr approx.
- 100 yr detailed
- 500 yr

NORTH

1 inch equals 300 feet

1963 Aerials

Printed on Sep 19, 2006

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OakMap

Oakland County's Property Information Lookup System

Oakland County Michigan — ONE STOP SHOP

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L. Brooks Patterson
Oakland County Executive

Legend

- Parcel Lines
- CVT Boundaries
- Contours
- Section Lines
- Survey Corners

FEMA Data:

- Base Flood Elevation
- Cross Section
- Floodway

Floodplain

- 100 yr approx.
- 100 yr detailed
- 500 yr

NORTH

1 inch equals 300 feet

2002 Color

Printed on Sep 19, 2006

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OakMap

Oakland County's Property Information Lookup System

Oakland County Michigan — ONE STOP SHOP

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L. Brooks Patterson
Oakland County Executive

Legend

- Parcel Lines
- CVT Boundaries
- Contours
- Section Lines
- Survey Corners

FEMA Data:

- Base Flood Elevation
- Cross Section
- Floodway

Floodplain

- 100 yr approx.
- 100 yr detailed
- 500 yr

NORTH

1 inch equals 300 feet

2005 Color

Printed on Sep 19, 2006

Oakland County Planning and Economic Development Services 1200 North Telegraph Road Bldg. 34 East Pontiac, MI 48341 Phone: 248-858-0720 Web: http://www.oakgov.com/oss

The EDR Aerial Photo Decade Package

17322 - Pontiac, MI
South Blvd. West & Howard St.
Pontiac, MI 48341

Inquiry Number: 1706492.5

June 30, 2006

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

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

EDR Aerial Photo Decade Package

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with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography June 30, 2006

Target Property:

South Blvd. West & Howard St.

Pontiac, MI 48341

Year	***Scale***	***Details***	***Source***
1940	Aerial Photograph. Scale: 1"=500'	Flight Year: 1940	AAA
1949	Aerial Photograph. Scale: 1"=500'	Flight Year: 1949	D.E.
1957	Aerial Photograph. Scale: 1"=500'	Flight Year: 1957	CSS
1964	Aerial Photograph. Scale: 1"=500'	Flight Year: 1964	ASCS
1972	Aerial Photograph. Scale: 1"=600'	Flight Year: 1972	ASCS
1980	Aerial Photograph. Scale: 1"=500'	Flight Year: 1980	Semcog
1993	Aerial Photograph. Scale: 1"=600'	Flight Year: 1993	NAPP
2000	Aerial Photograph. Scale: 1"=500'	Flight Year: 2000	Semcog


INQUIRY #: 1706492.5
YEAR: 1940
= 500'
N


INQUIRY #: 1706492.5
YEAR: 1949
= 500'
N


INQUIRY #: 1706492.5
YEAR: 1957
= 500'
N
EDR Environmental Data Resources Inc


INQUIRY #: 1706492.5
YEAR: 1964
= 500'
N
EDR Environmental Data Resources Inc


INQUIRY #: 1706492.5
YEAR: 1972
= 600'
N
EDR Environmental Data Resources Inc


INQUIRY #: 1706492.5
YEAR: 1980
= 500'
N


INQUIRY #: 1706492.5
YEAR: 1993
= 600'
N


INQUIRY #: 1706492.5
YEAR: 2000
= 500'
N

APPENDIX G

HISTORICAL TOPOGRAPHIC MAPS

17322
Jim Quigley
Lansing

EDR® Environmental
Data Resources Inc

EDR Historical Topographic Map Report

17322 - Pontiac, MI
South Blvd. West & Howard St.
Pontiac, MI 48341

Inquiry Number: 1706492.4

June 29, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

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

Form-ZIP

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900's.

Thank you for your business.

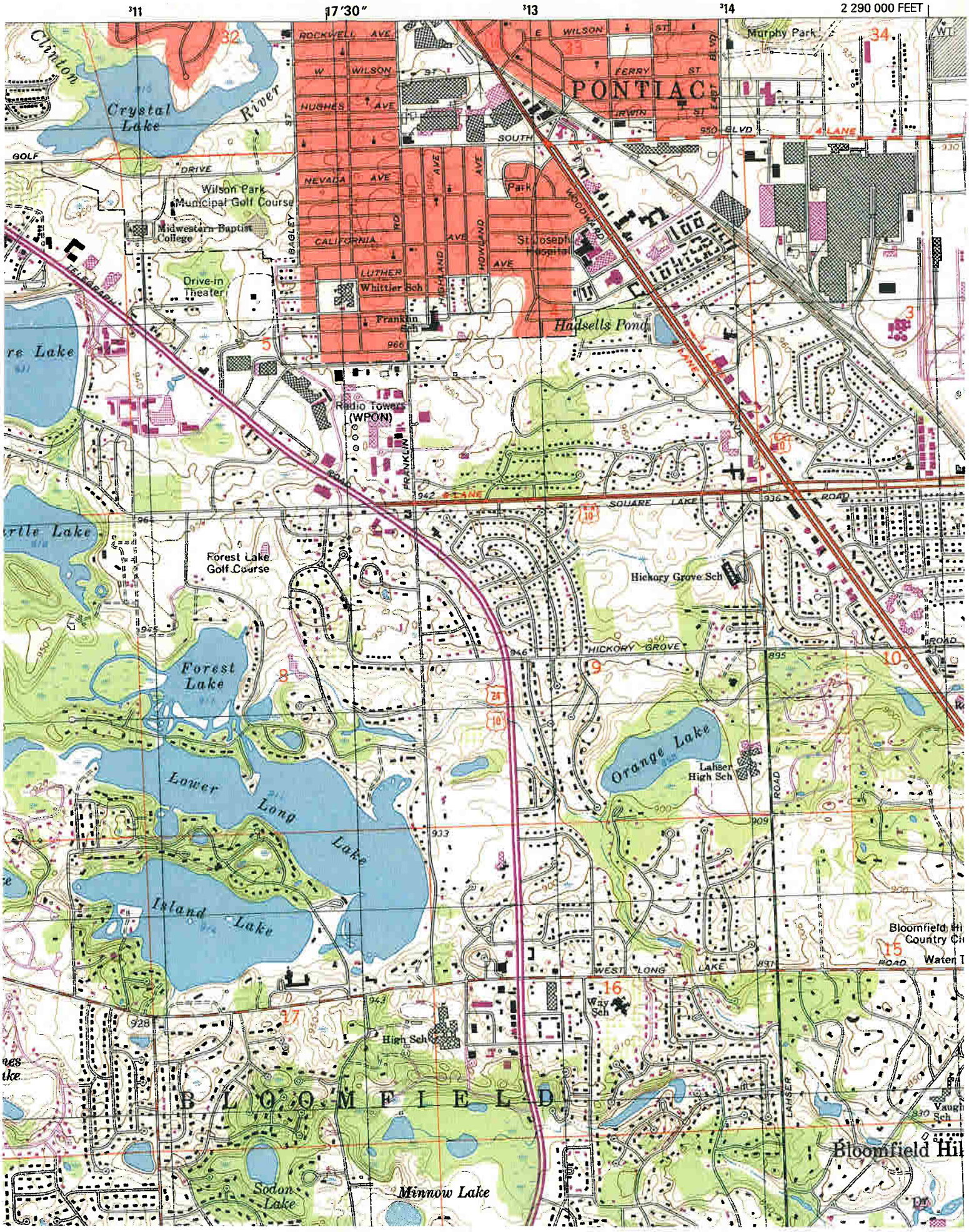
Please contact EDR at 1-800-352-0050
with any questions or comments.

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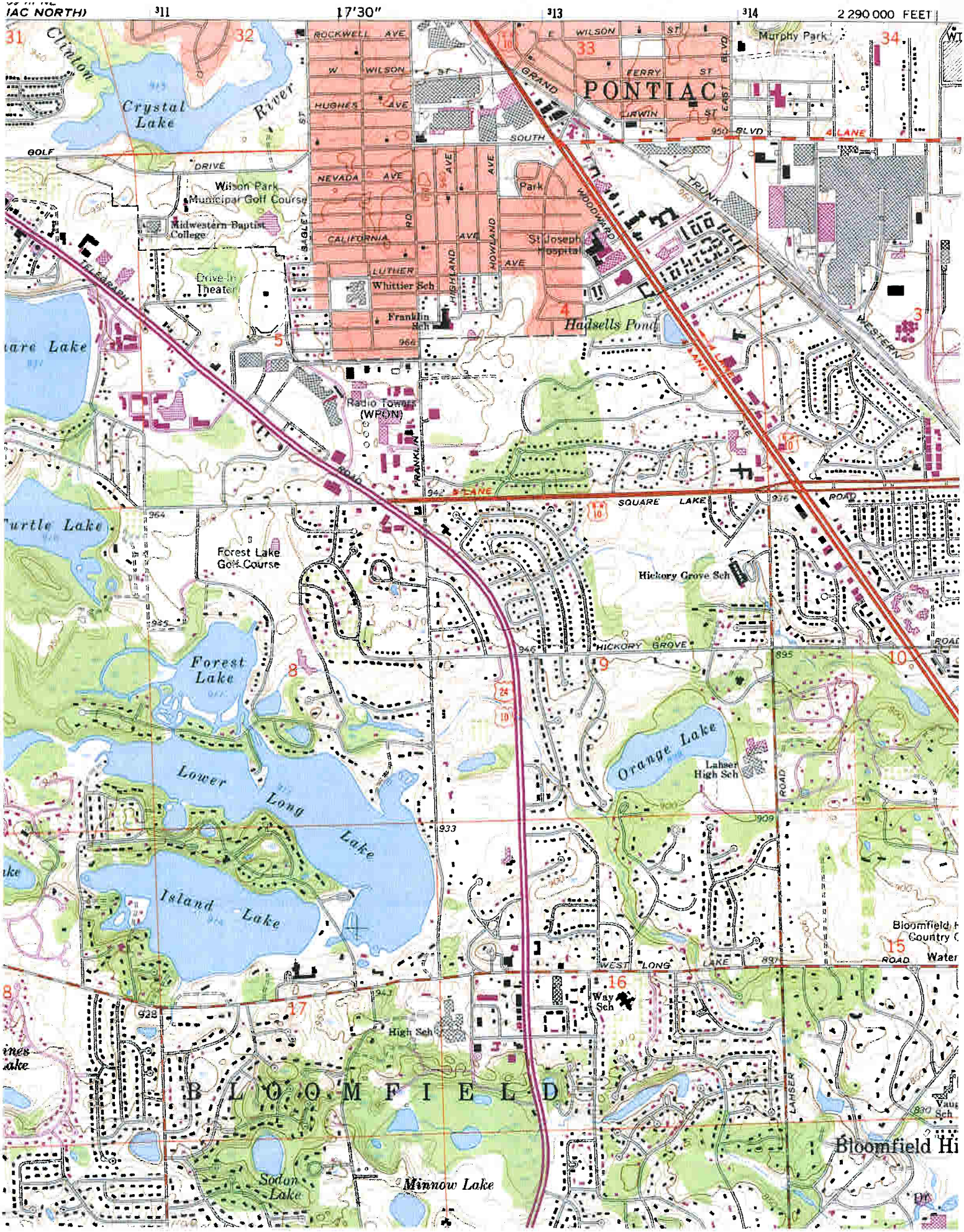
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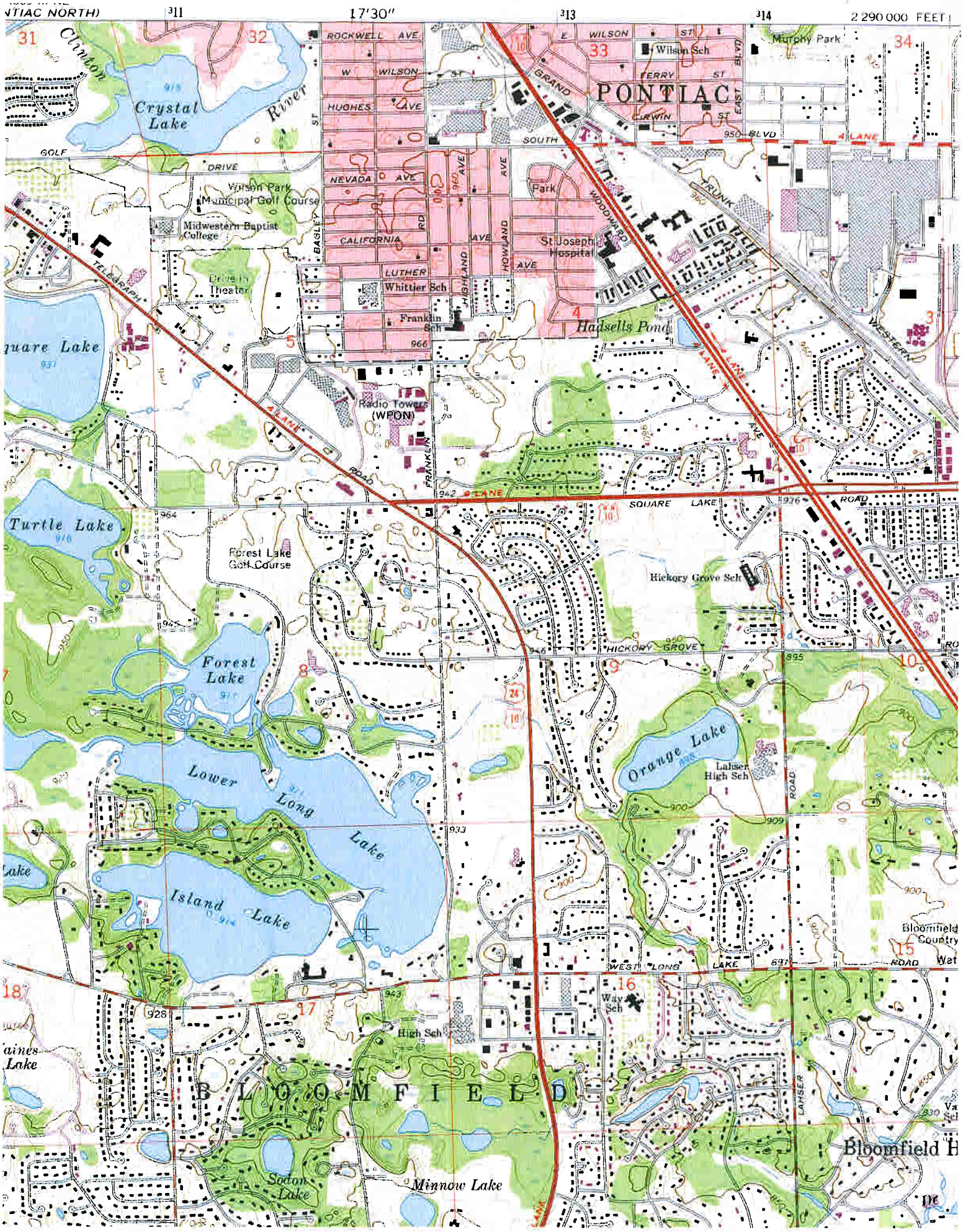
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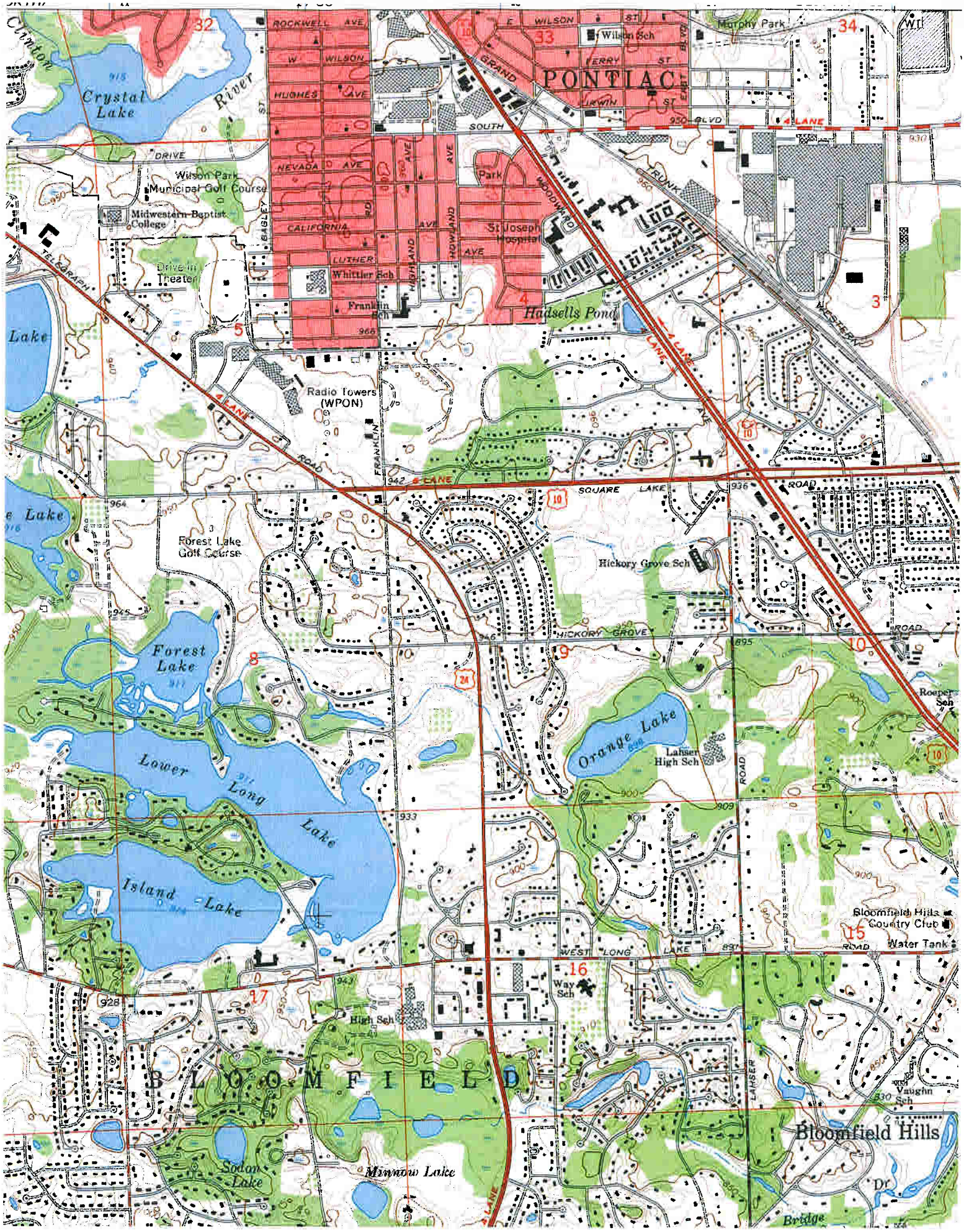
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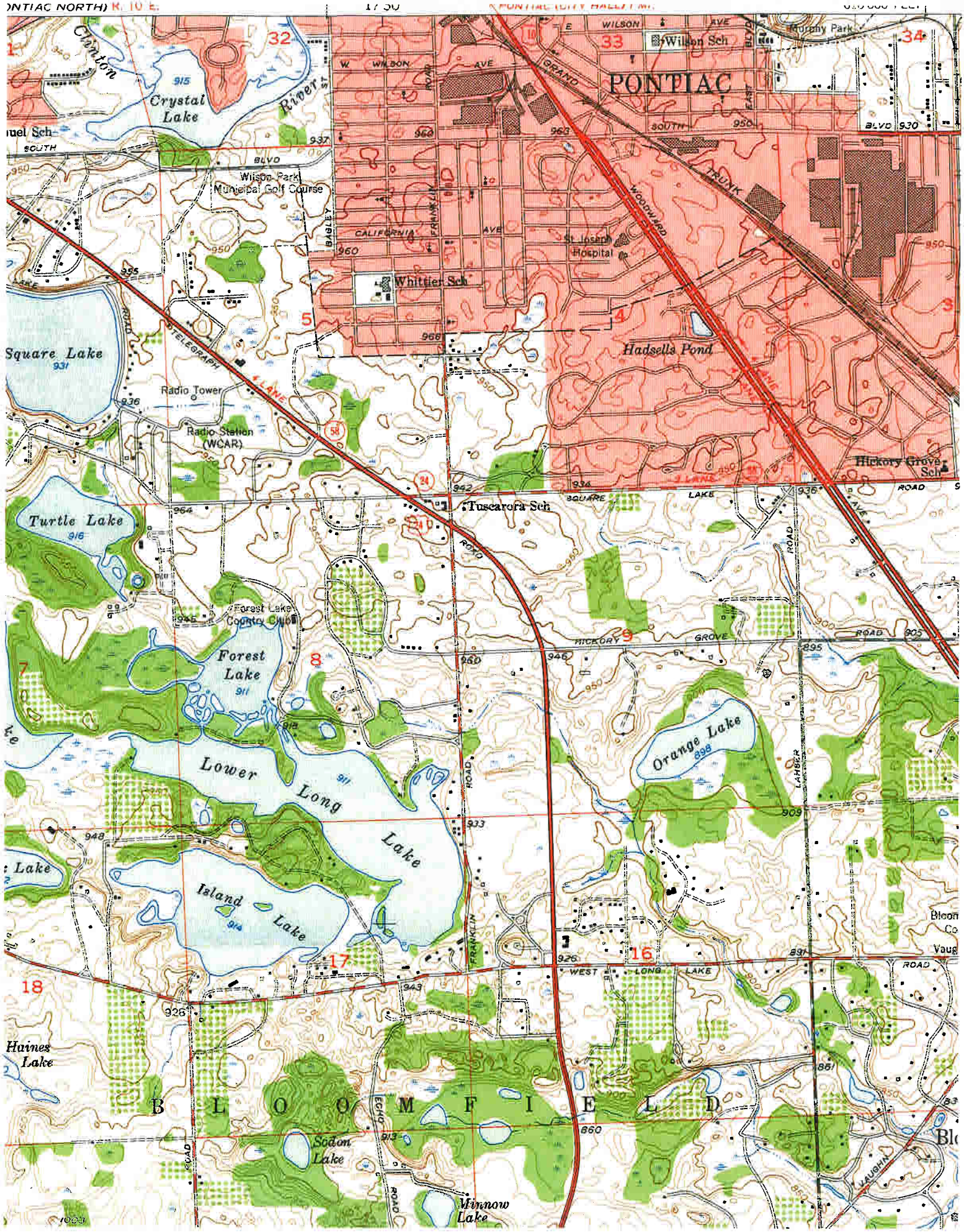
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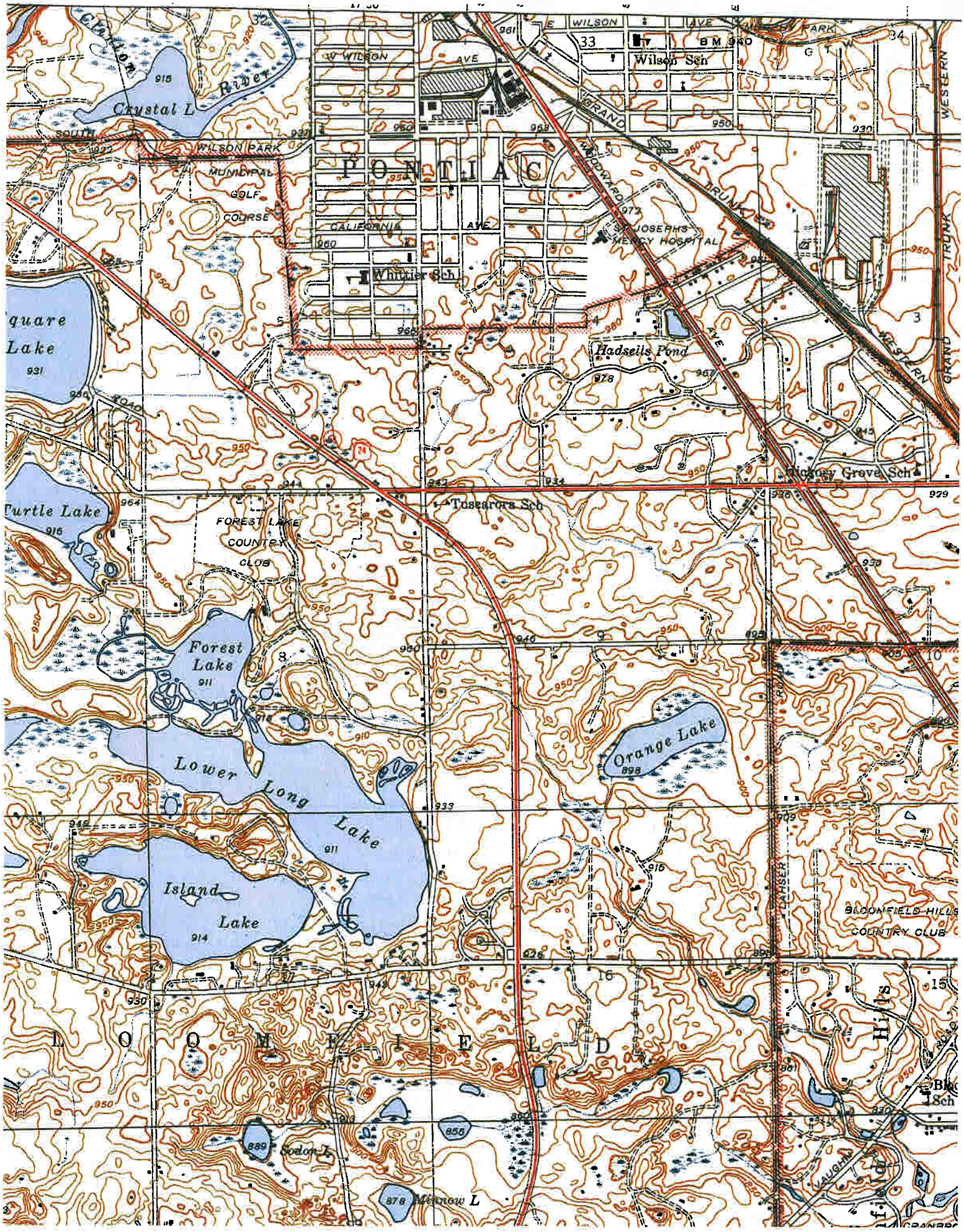
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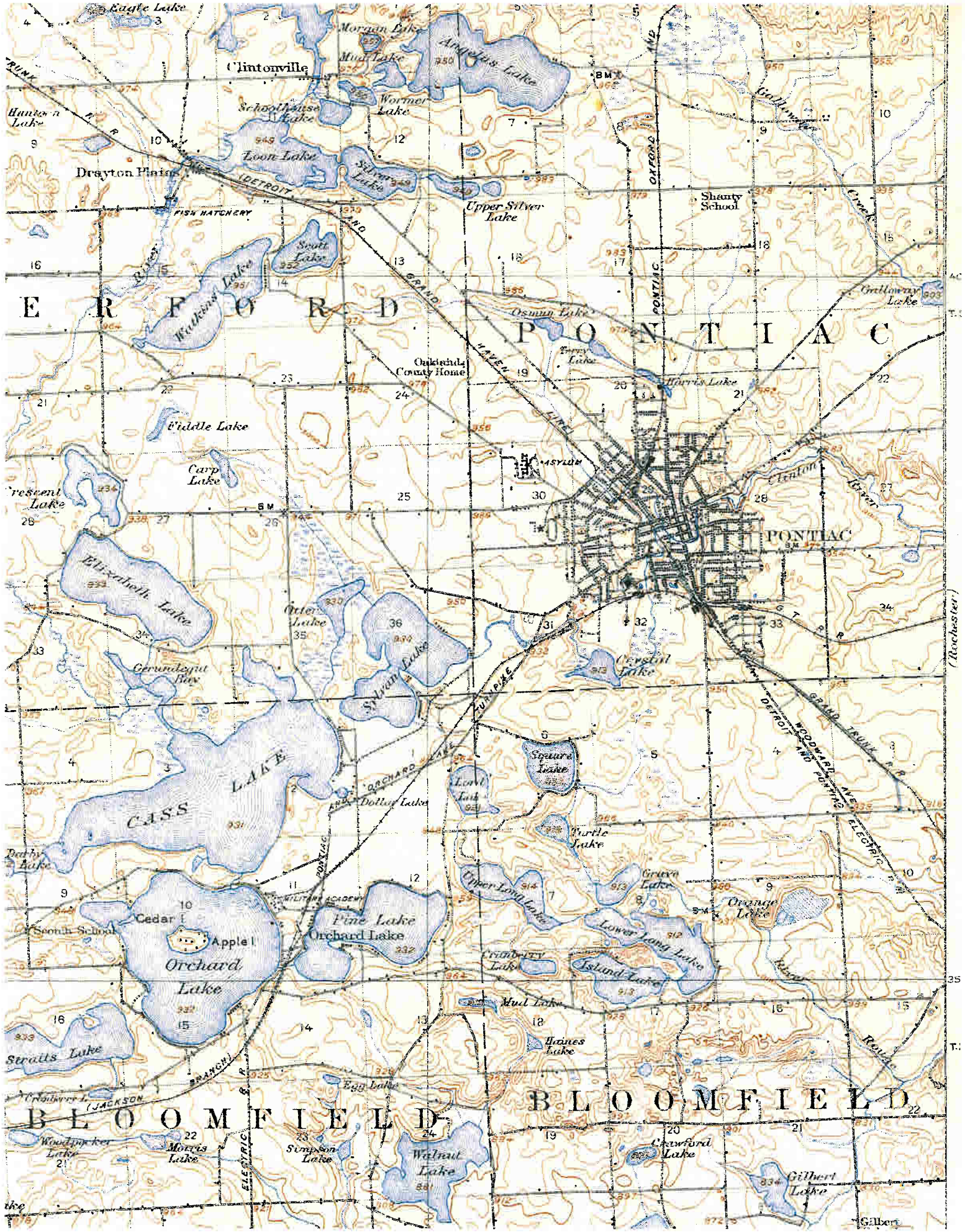
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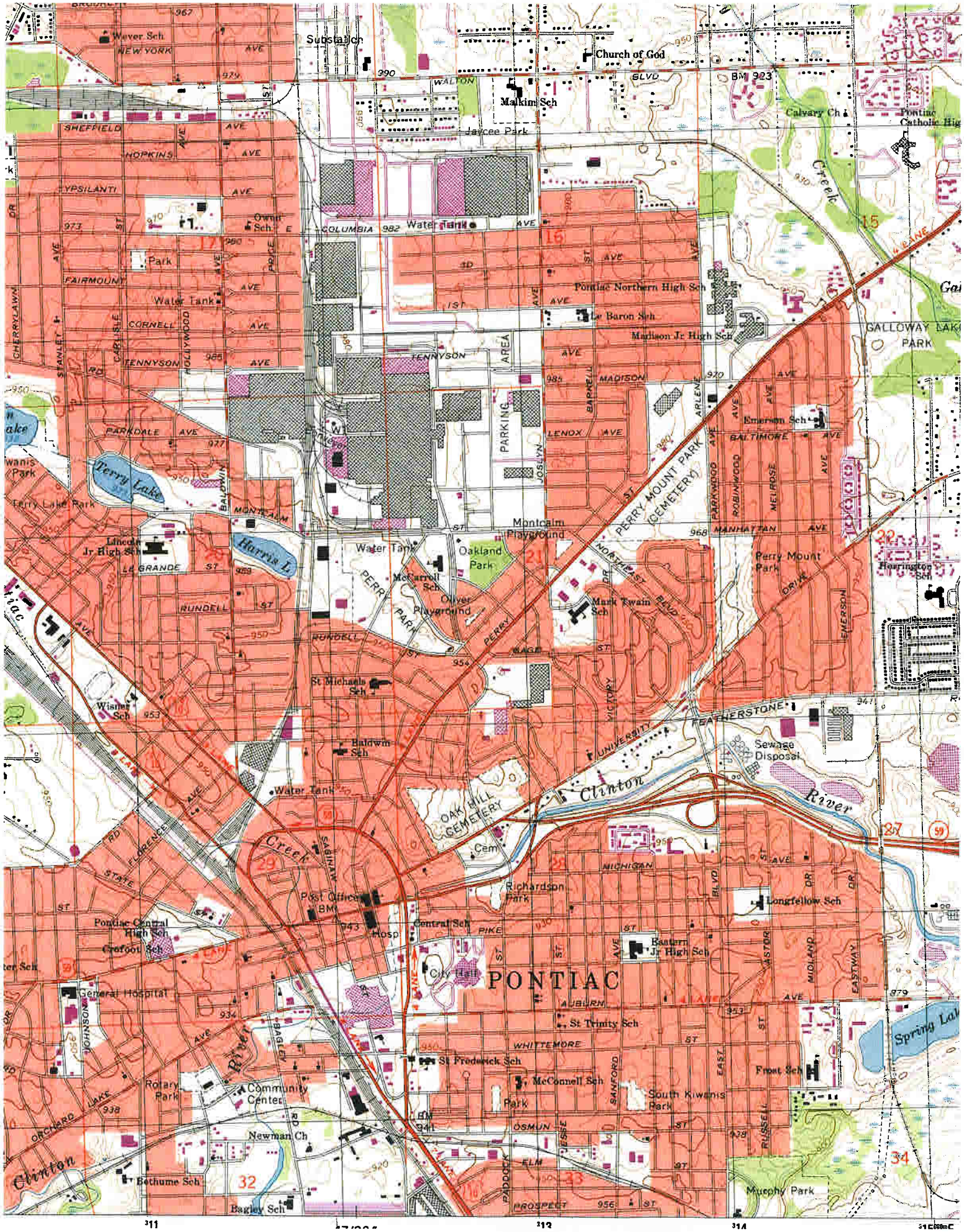
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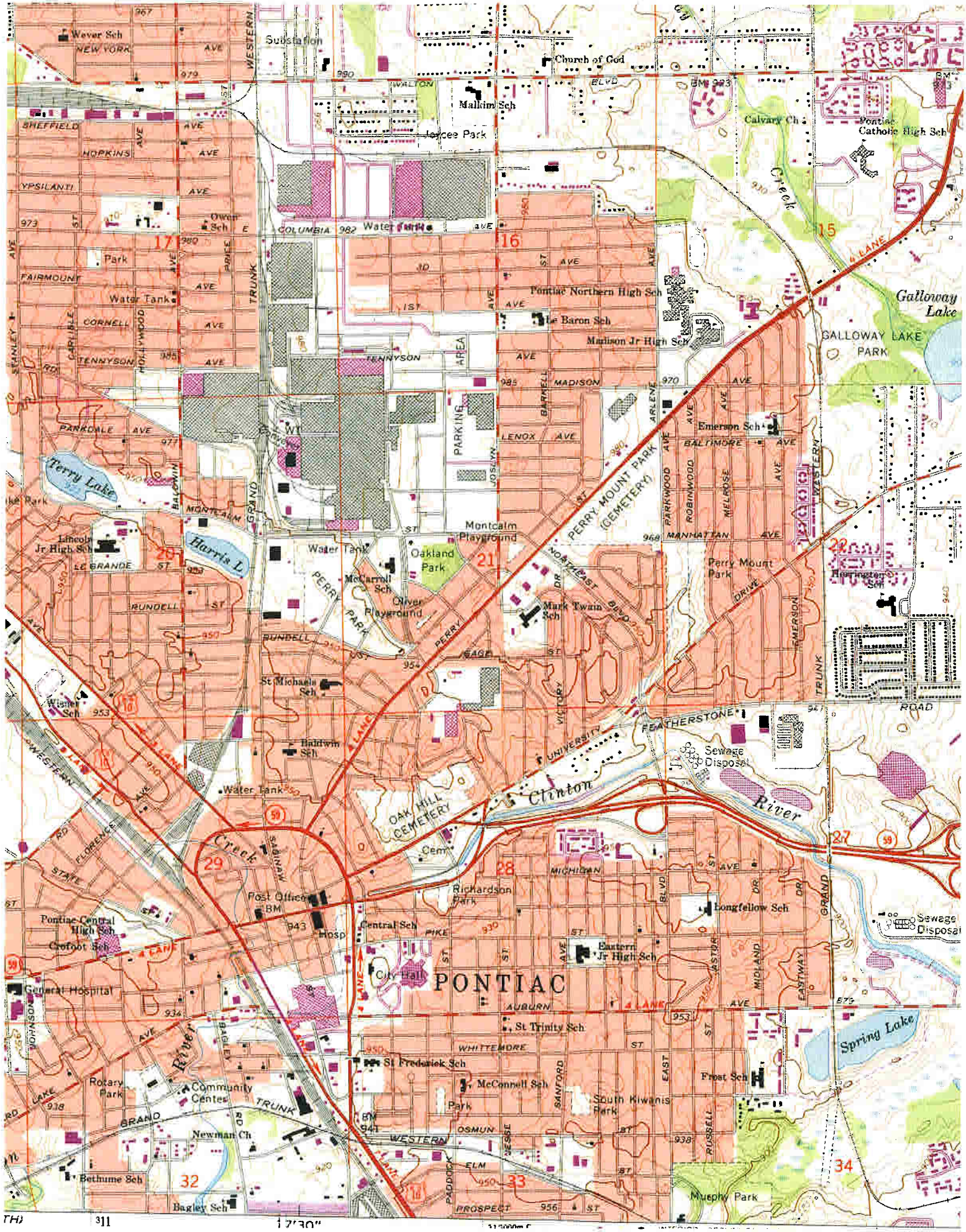
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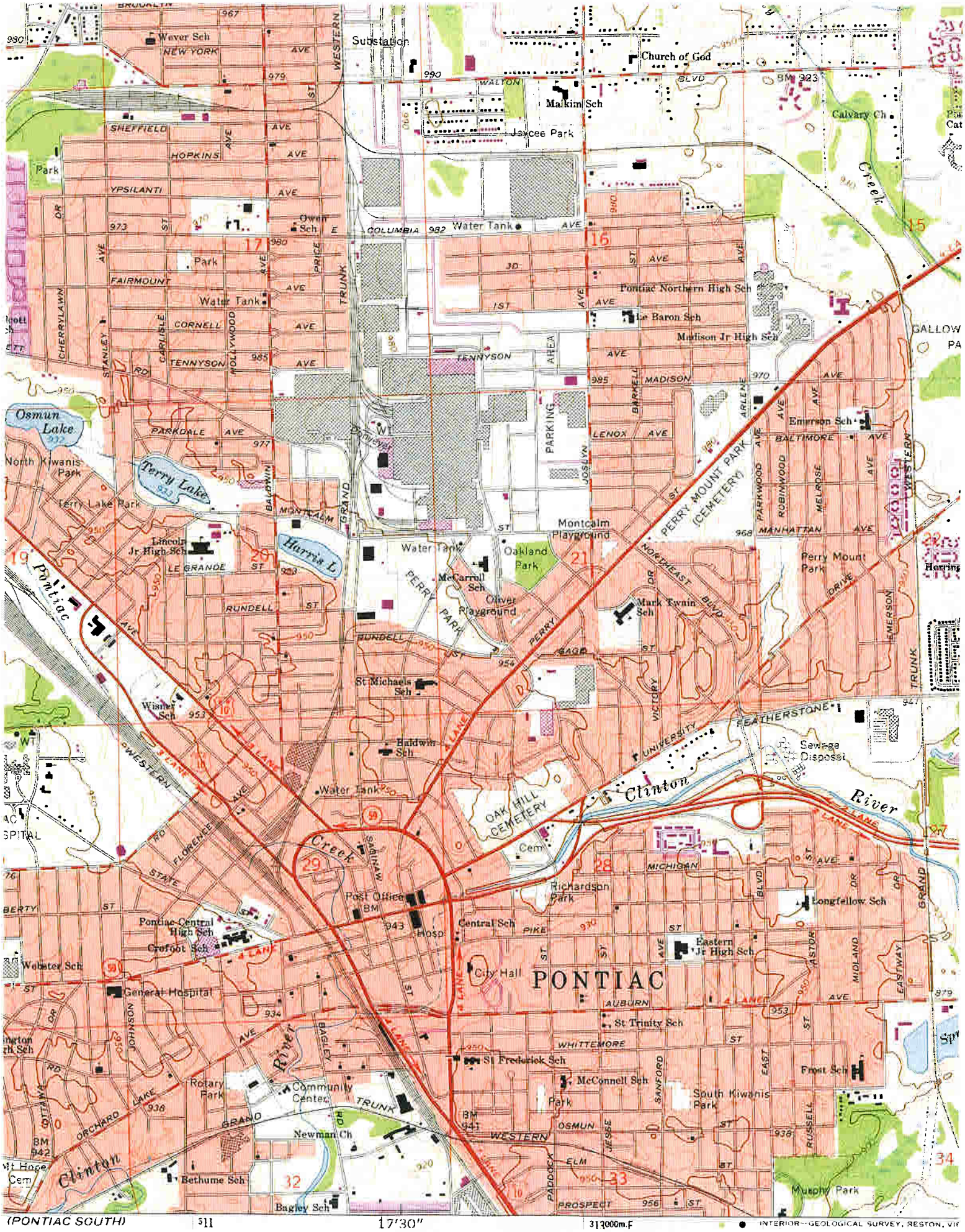
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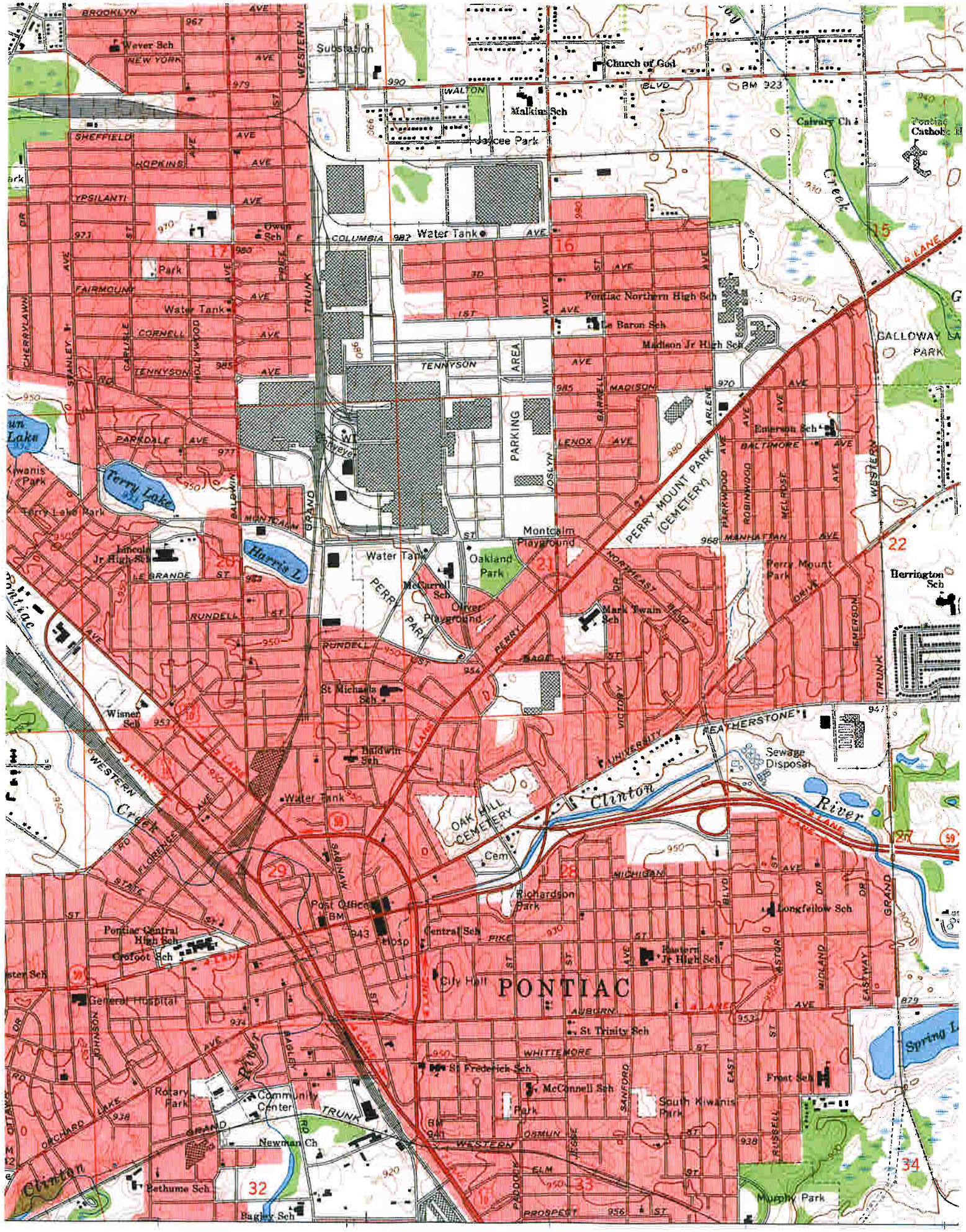
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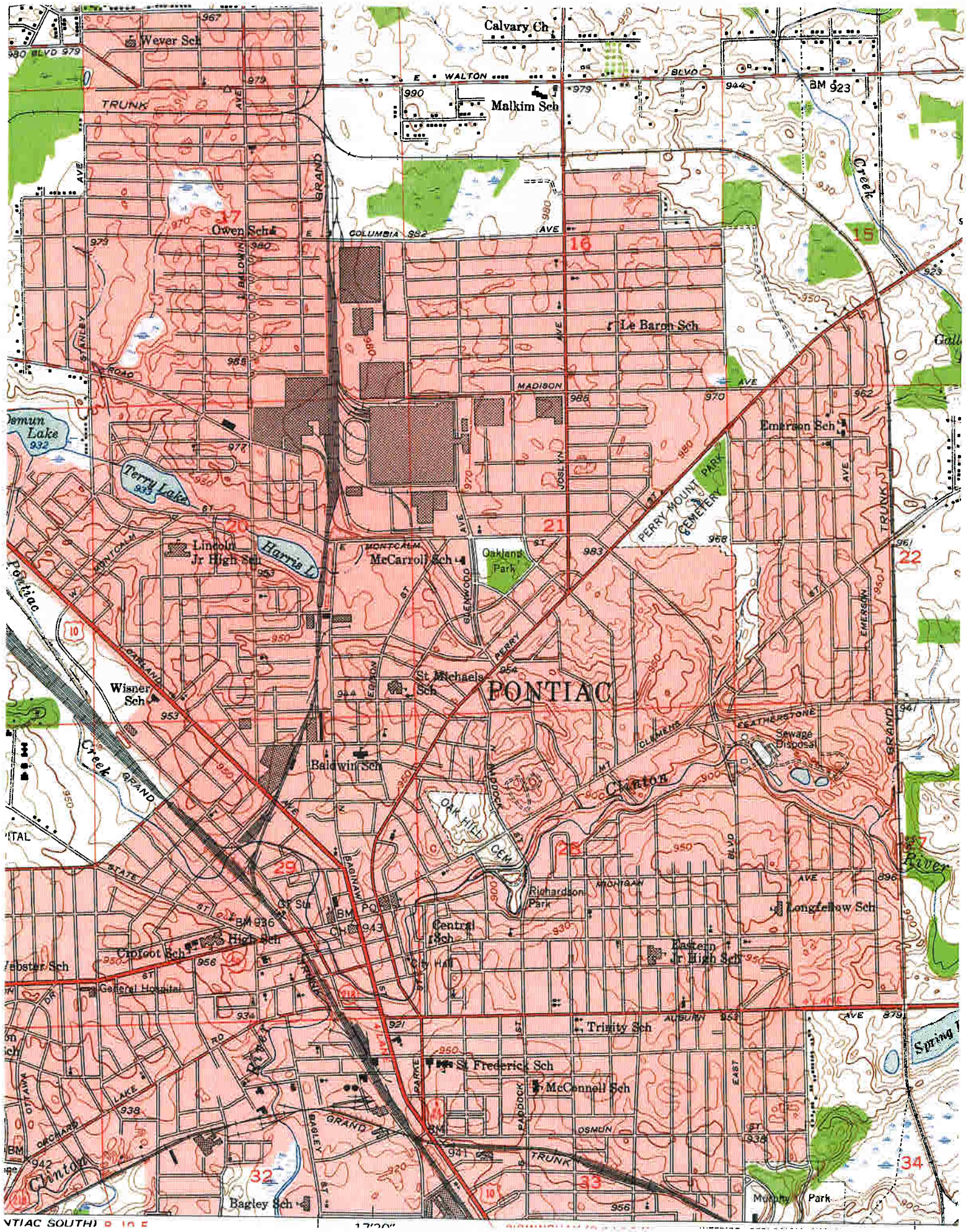
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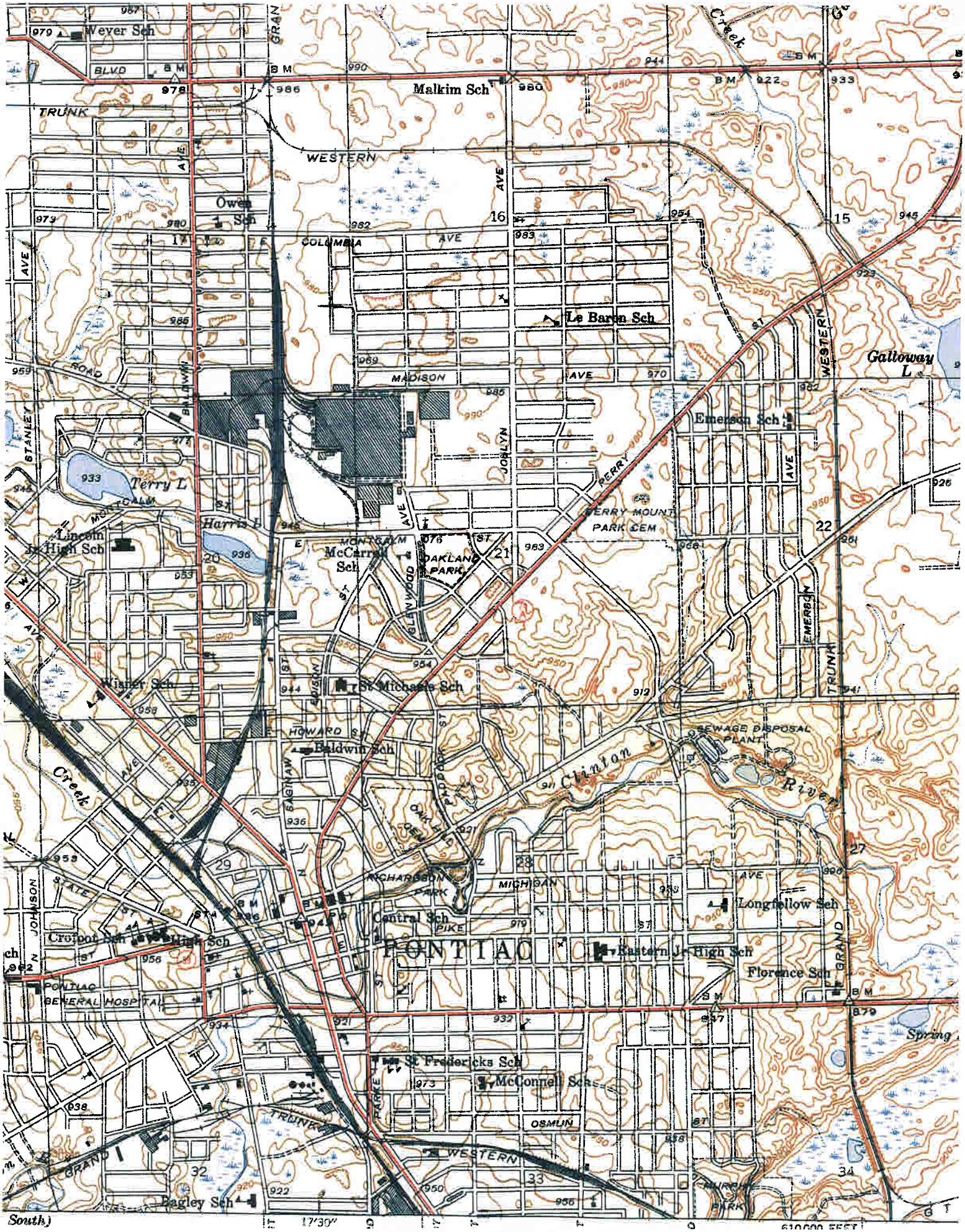
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N ^ EDR INQUIRY# 1706492.4 TARGET QUAD: PONTIACNORTH YEAR: 1968 Series: 7.5' Scale: 1:24,000



N ^ EDR INQUIRY# 1706492.4 TARGET QUAD: PONTIACNORTH YEAR: 1952 Series: 7.5' Scale: 1:24,000



N ^ EDR INQUIRY# 1706492.4 TARGET QUAD: PONTIACNORTH YEAR: 1943 Series: 7.5' Scale: 1:24,000

APPENDIX H

CITY DIRECTORY SEARCH



The EDR-City Directory
Abstract

17322 - Pontiac, MI
200 South Boulevard West
Pontiac, MI 48341

Inquiry Number: 1706492.6

Wednesday, July 05, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

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

EDR City Directory Abstract

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

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

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2006. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: July 5, 2006

Target Property:
200 South Boulevard West
Pontiac, MI 48341

Year	Uses	Source
1920	Address Not Listed in Research Source	Polk's City Directory
1927	Address Not Listed in Research Source	Polk's City Directory
1931	Address Not Listed in Research Source	Polk's City Directory
1939	Address Not Listed in Research Source	Polk's City Directory
1945	Address Not Listed in Research Source	Polk's City Directory
1952	Address Not Listed in Research Source	Polk's City Directory
1957	Address Not Listed in Research Source	Polk's City Directory
1962	Address Not Listed in Research Source	Polk's City Directory
1973	Address Not Listed in Research Source	Bresser's Criss-Cross Directory
1977	Address Not Listed in Research Source	Bresser's Criss-Cross Directory
1981	Address Not Listed in Research Source	Bresser's Criss-Cross Directory
1986	Address Not Listed in Research Source	Bresser's Criss-Cross Directory
1991	Address Not Listed in Research Source	Bresser's Criss-Cross Directory
1996	Address Not Listed in Research Source	Bresser's Criss-Cross Directory
2001	Address Not Listed in Research Source	Bresser's Criss-Cross Directory
2006	Address Not Listed in Research Source	Bresser's Criss-Cross Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
Pontiac, MI 48341

Year	Uses	Source

Year	***Uses***	***Source***
1920	****SOUTH BOULEVARD WEST****	Polk's City Directory
	Address not listed in research source (147)	Polk's City Directory
	Address not listed in research source (151)	Polk's City Directory
	Address not listed in research source (151 1/2)	Polk's City Directory
	Address not listed in research source (154)	Polk's City Directory
	Address not listed in research source (155)	Polk's City Directory
	Address not listed in research source (155 1/2)	Polk's City Directory
	Address not listed in research source (157)	Polk's City Directory
	Address not listed in research source (159)	Polk's City Directory
	Address not listed in research source (160)	Polk's City Directory
	Address not listed in research source (161)	Polk's City Directory
	Address not listed in research source (166)	Polk's City Directory
	Address not listed in research source (170)	Polk's City Directory
	Address not listed in research source (172)	Polk's City Directory
	Address not listed in research source (176)	Polk's City Directory
	Address not listed in research source (177)	Polk's City Directory
	Address not listed in research source (181)	Polk's City Directory
	Address not listed in research source (185)	Polk's City Directory
	Address not listed in research source (187)	Polk's City Directory
	Address not listed in research source (189)	Polk's City Directory
	Address not listed in research source (190)	Polk's City Directory
	Address not listed in research source (191)	Polk's City Directory

Year	Uses	Source
1920	Address not listed in research source (192)	Polk's City Directory
	Address not listed in research source (192 1/2)	Polk's City Directory
	Address not listed in research source (193)	Polk's City Directory
	Address not listed in research source (193 1/2)	Polk's City Directory
	Address not listed in research source (195)	Polk's City Directory
	Address not listed in research source (195 1/2)	Polk's City Directory
	Address not listed in research source (198)	Polk's City Directory
	Address not listed in research source (204)	Polk's City Directory
	Address not listed in research source (207)	Polk's City Directory
	Address not listed in research source (209)	Polk's City Directory
	Address not listed in research source (213)	Polk's City Directory
	Address not listed in research source (215)	Polk's City Directory
	Address not listed in research source (215 1/2)	Polk's City Directory
	Address not listed in research source (217)	Polk's City Directory
	Address not listed in research source (218)	Polk's City Directory
	Address not listed in research source (219)	Polk's City Directory
	Residence (241)	Polk's City Directory
	Address not listed in research source (243)	Polk's City Directory
	****HIGHLAND AVENUE****	Polk's City Directory
	Address not listed in research source (367)	Polk's City Directory
	Address not listed in research source (369)	Polk's City Directory
1927	****SOUTH BOULEVARD WEST****	Polk's City Directory

Year	Uses	Source
1927	Residence (147)	Polk's City Directory
	Residence (151)	Polk's City Directory
	Address not listed in research source (151 1/2)	Polk's City Directory
	Emma Watkins (hairdresser) (154)	Polk's City Directory
	Williams Gordon & Co. (grocery) (155)	Polk's City Directory
	Address not listed in research source (155 1/2)	Polk's City Directory
	Address not listed in research source (157)	Polk's City Directory
	Vacant (159)	Polk's City Directory
	Residence (160)	Polk's City Directory
	Charles Henderson (restaurant) (161)	Polk's City Directory
	Ross Woods (barber) (161)	Polk's City Directory
	Residence (166)	Polk's City Directory
	Address not listed in research source (170)	Polk's City Directory
	Residence (172)	Polk's City Directory
	Residence (176)	Polk's City Directory
	Address not listed in research source (177)	Polk's City Directory
	Residence (181)	Polk's City Directory
	Residence (185)	Polk's City Directory
	Address not listed in research source (187)	Polk's City Directory
	Vacant (189)	Polk's City Directory
	Roumanian Grocery (190)	Polk's City Directory
	Address not listed in research source (191)	Polk's City Directory

Year	***Uses***	***Source***
1927	Address not listed in research source (192)	Polk's City Directory
	Address not listed in research source (192 1/2)	Polk's City Directory
	Address not listed in research source (193)	Polk's City Directory
	Address not listed in research source (193 1/2)	Polk's City Directory
	Address not listed in research source (195)	Polk's City Directory
	Address not listed in research source (195 1/2)	Polk's City Directory
	Residence (198)	Polk's City Directory
	Residence (204)	Polk's City Directory
	Residence (207)	Polk's City Directory
	Address not listed in research source (209)	Polk's City Directory
	Vacant (213)	Polk's City Directory
	Address not listed in research source (215)	Polk's City Directory
	Address not listed in research source (215 1/2)	Polk's City Directory
	Vacant (217)	Polk's City Directory
	Vacant (218)	Polk's City Directory
	Residence (219)	Polk's City Directory
	Address not listed in research source (243)	Polk's City Directory
	****HIGHLAND AVENUE****	Polk's City Directory
	Address not listed in research source (367)	Polk's City Directory
	Address not listed in research source (369)	Polk's City Directory
1931	****SOUTH BOULEVARD WEST****	Polk's City Directory
	Vacant (147)	Polk's City Directory

Year	Uses	Source
1931	Residence (151)	Polk's City Directory
	Residence (151 1/2)	Polk's City Directory
	Residence (154)	Polk's City Directory
	Thomas Manning (billiards) (155)	Polk's City Directory
	Address not listed in research source (155 1/2)	Polk's City Directory
	Address not listed in research source (157)	Polk's City Directory
	Roumanian Baptist Church (159)	Polk's City Directory
	Residence (160)	Polk's City Directory
	Charles Henderson (restaurant) (161)	Polk's City Directory
	Essie Long (barber) (161)	Polk's City Directory
	Vacant (166)	Polk's City Directory
	Address not listed in research source (170)	Polk's City Directory
	Residence (172)	Polk's City Directory
	Residence (176)	Polk's City Directory
	Address not listed in research source (177)	Polk's City Directory
	Residence (181)	Polk's City Directory
	Residence (187)	Polk's City Directory
	Vacant (189)	Polk's City Directory
	Roumanian Grocery (190)	Polk's City Directory
	Address not listed in research source (191)	Polk's City Directory
	Address not listed in research source (192)	Polk's City Directory
	Address not listed in research source (192 1/2)	Polk's City Directory

Year	***Uses***	***Source***
1931	Eagle Baking Co. (193)	Polk's City Directory
	Address not listed in research source (193 1/2)	Polk's City Directory
	Eagle Baking Co. (195)	Polk's City Directory
	Address not listed in research source (195 1/2)	Polk's City Directory
	Residence (207)	Polk's City Directory
	Address not listed in research source (209)	Polk's City Directory
	Jone's Live Fish Market (215)	Polk's City Directory
	Residence (215 1/2)	Polk's City Directory
	Residence (217)	Polk's City Directory
	Residence (218)	Polk's City Directory
	Residence (219)	Polk's City Directory
	Address not listed in research source (243)	Polk's City Directory
	****HIGHLAND AVENUE****	Polk's City Directory
	Address not listed in research source (367)	Polk's City Directory
	Address not listed in research source (369)	Polk's City Directory
1939	****SOUTH BOULEVARD WEST****	Polk's City Directory
	Residence (147)	Polk's City Directory
	Residence (151)	Polk's City Directory
	Address not listed in research source (151 1/2)	Polk's City Directory
	Residence (154)	Polk's City Directory
	Residence (155)	Polk's City Directory
	Address not listed in research source (155 1/2)	Polk's City Directory

Year	Uses	Source
1939	Address not listed in research source (157)	Polk's City Directory
	Residence (159)	Polk's City Directory
	Residence (160)	Polk's City Directory
	Wesley Jackson (billiards) (161)	Polk's City Directory
	Address not listed in research source (170)	Polk's City Directory
	Residence (172)	Polk's City Directory
	Residence (176)	Polk's City Directory
	Address not listed in research source (177)	Polk's City Directory
	Residence (181)	Polk's City Directory
	Residence (187)	Polk's City Directory
	Residence (189)	Polk's City Directory
	Residence (190)	Polk's City Directory
	Address not listed in research source (191)	Polk's City Directory
	Address not listed in research source (192)	Polk's City Directory
	Address not listed in research source (192 1/2)	Polk's City Directory
	Vacant (193)	Polk's City Directory
	Address not listed in research source (193 1/2)	Polk's City Directory
	Vacant (195)	Polk's City Directory
	Address not listed in research source (195 1/2)	Polk's City Directory
	Residence (207)	Polk's City Directory
	Address not listed in research source (209)	Polk's City Directory
	Residence (215)	Polk's City Directory

Year	***Uses***	***Source***
1939	Residence (217)	Polk's City Directory
	Residence (218)	Polk's City Directory
	Address not listed in research source (243)	Polk's City Directory
	****HIGHLAND AVENUE****	Polk's City Directory
	Address not listed in research source (367)	Polk's City Directory
	Address not listed in research source (369)	Polk's City Directory
1945	****SOUTH BOULEVARD WEST****	Polk's City Directory
	Residence (147)	Polk's City Directory
	Residence (151)	Polk's City Directory
	Address not listed in research source (151 1/2)	Polk's City Directory
	Residence (154)	Polk's City Directory
	Residence (155)	Polk's City Directory
	Vacant (155 1/2)	Polk's City Directory
	Address not listed in research source (157)	Polk's City Directory
	Residence (159)	Polk's City Directory
	Residence (160)	Polk's City Directory
	Wesley Jackson (confr.) (161)	Polk's City Directory
	Residence (170)	Polk's City Directory
	Residence (172)	Polk's City Directory
	Residence (176)	Polk's City Directory
	Address not listed in research source (177)	Polk's City Directory
	Residence (181)	Polk's City Directory

Year	***Uses***	***Source***
1945	Residence (187)	Polk's City Directory
	Residence (189)	Polk's City Directory
	Residence (190)	Polk's City Directory
	Address not listed in research source (191)	Polk's City Directory
	Address not listed in research source (192)	Polk's City Directory
	Address not listed in research source (192 1/2)	Polk's City Directory
	Vacant (193)	Polk's City Directory
	Address not listed in research source (193 1/2)	Polk's City Directory
	Address not listed in research source (195)	Polk's City Directory
	Address not listed in research source (195 1/2)	Polk's City Directory
	Residence (207)	Polk's City Directory
	Address not listed in research source (209)	Polk's City Directory
	Residence (215)	Polk's City Directory
	Address not listed in research source (217)	Polk's City Directory
	Residence (218)	Polk's City Directory
	Address not listed in research source (243)	Polk's City Directory
	****HIGHLAND AVENUE****	Polk's City Directory
	Address not listed in research source (367)	Polk's City Directory
	Address not listed in research source (369)	Polk's City Directory
1952	****SOUTH BOULEVARD WEST****	Polk's City Directory
	Residence (147)	Polk's City Directory
	Residence (151)	Polk's City Directory

Year	Uses	Source
1952	Residence (151 1/2)	Polk's City Directory
	Residence (155)	Polk's City Directory
	Residence (155 1/2)	Polk's City Directory
	Address not listed in research source (157)	Polk's City Directory
	Residence (159)	Polk's City Directory
	Residence (160)	Polk's City Directory
	South Side Pool Room (161)	Polk's City Directory
	No Return (170)	Polk's City Directory
	Residence (172)	Polk's City Directory
	Residence (176)	Polk's City Directory
	Address not listed in research source (177)	Polk's City Directory
	Residence (181)	Polk's City Directory
	Residence (187)	Polk's City Directory
	Residence (189)	Polk's City Directory
	Address not listed in research source (191)	Polk's City Directory
	Address not listed in research source (192)	Polk's City Directory
	Address not listed in research source (192 1/2)	Polk's City Directory
	Vacant (193)	Polk's City Directory
	Residence (193 1/2)	Polk's City Directory
	Residence (195)	Polk's City Directory
	Residence (195 1/2)	Polk's City Directory
	Residence (207)	Polk's City Directory

Year	***Uses***	***Source***
1952	Address not listed in research source (209)	Polk's City Directory
	Charles Harrison (clo. clnr.) (215)	Polk's City Directory
	Residence (217)	Polk's City Directory
	Address not listed in research source (243)	Polk's City Directory
	****HIGHLAND AVENUE****	Polk's City Directory
	Address not listed in research source (367)	Polk's City Directory
	Address not listed in research source (369)	Polk's City Directory
1957	****SOUTH BOULEVARD WEST****	Polk's City Directory
	Residence (147)	Polk's City Directory
	Residence (151)	Polk's City Directory
	Residence (151 1/2)	Polk's City Directory
	Residence (155)	Polk's City Directory
	Address not listed in research source (157)	Polk's City Directory
	Residence (159)	Polk's City Directory
	Residence (160)	Polk's City Directory
	South Side Pool Room (161)	Polk's City Directory
	Residence (172)	Polk's City Directory
	Residence (176)	Polk's City Directory
	Address not listed in research source (177)	Polk's City Directory
	Residence (181)	Polk's City Directory
	Residence (187)	Polk's City Directory
	Residence (189)	Polk's City Directory

Year	***Uses***	***Source***
1957	Address not listed in research source (191)	Polk's City Directory
	Address not listed in research source (192)	Polk's City Directory
	Address not listed in research source (192 1/2)	Polk's City Directory
	Vogue Beauty Salon (193)	Polk's City Directory
	Residence (193 1/2)	Polk's City Directory
	Ramsey's Restaurant (195)	Polk's City Directory
	Jack's Barber Shop (195)	Polk's City Directory
	Residence (195 1/2)	Polk's City Directory
	Residence (207)	Polk's City Directory
	Address not listed in research source (209)	Polk's City Directory
	Harrison Cleaners (215)	Polk's City Directory
	Residence (217)	Polk's City Directory
	Address not listed in research source (243)	Polk's City Directory
	****HIGHLAND AVENUE****	Polk's City Directory
	Address not listed in research source (367)	Polk's City Directory
	Address not listed in research source (369)	Polk's City Directory
1962	****SOUTH BOULEVARD WEST****	Polk's City Directory
	Residence (147)	Polk's City Directory
	Residence (151)	Polk's City Directory
	Vacant (151 1/2)	Polk's City Directory
	Vacant (155)	Polk's City Directory
	Address not listed in research source (157)	Polk's City Directory

Year	Uses	Source
1962	Residence (159)	Polk's City Directory
	Residence (160)	Polk's City Directory
	South Side Pool Room (161)	Polk's City Directory
	Residence (172)	Polk's City Directory
	Residence (176)	Polk's City Directory
	Address not listed in research source (177)	Polk's City Directory
	Vacant (181)	Polk's City Directory
	Residence (187)	Polk's City Directory
	Residence (189)	Polk's City Directory
	Address not listed in research source (191)	Polk's City Directory
	Address not listed in research source (192)	Polk's City Directory
	Address not listed in research source (192 1/2)	Polk's City Directory
	Vogue Beauty Salon (193)	Polk's City Directory
	Residence (193 1/2)	Polk's City Directory
	Riddick's Pharmacy (195)	Polk's City Directory
	Jack's Barber Shop (195)	Polk's City Directory
	Vacant (195 1/2)	Polk's City Directory
	Residence (207)	Polk's City Directory
	Address not listed in research source (209)	Polk's City Directory
	Harrison Cleaners (215)	Polk's City Directory
	Residence (217)	Polk's City Directory
	Address not listed in research source (243)	Polk's City Directory

Year	Uses	Source
1962	****HIGHLAND AVENUE****	Polk's City Directory
	Address not listed in research source (367)	Polk's City Directory
	Address not listed in research source (369)	Polk's City Directory
1973	****SOUTH BOULEVARD WEST****	Bresser's Criss-Cross Directory
	Residence (147)	Bresser's Criss-Cross Directory
	Residence (151)	Bresser's Criss-Cross Directory
	Address not listed in research source (157)	Bresser's Criss-Cross Directory
	Residence (161)	Bresser's Criss-Cross Directory
	Address not listed in research source (177)	Bresser's Criss-Cross Directory
	Residence (181)	Bresser's Criss-Cross Directory
	Address not listed in research source (187)	Bresser's Criss-Cross Directory
	Residence (189)	Bresser's Criss-Cross Directory
	Address not listed in research source (191)	Bresser's Criss-Cross Directory
	Address not listed in research source (192)	Bresser's Criss-Cross Directory
	Address not listed in research source (192 1/2)	Bresser's Criss-Cross Directory
	Jack's Barber Shop (193)	Bresser's Criss-Cross Directory
	Residence (193 1/2)	Bresser's Criss-Cross Directory
	No Return (195)	Bresser's Criss-Cross Directory
	No Return (195 1/2)	Bresser's Criss-Cross Directory
	No Return (207)	Bresser's Criss-Cross Directory
	Address not listed in research source (209)	Bresser's Criss-Cross Directory
	Residence (217)	Bresser's Criss-Cross Directory

Year	***Uses***	***Source***
1973	Address not listed in research source (243)	Bresser's Criss-Cross Directory
	****HIGHLAND AVENUE****	Bresser's Criss-Cross Directory
	Address not listed in research source (367)	Bresser's Criss-Cross Directory
	Address not listed in research source (369)	Bresser's Criss-Cross Directory
1977	****SOUTH BOULEVARD WEST****	Bresser's Criss-Cross Directory
	No Return (147)	Bresser's Criss-Cross Directory
	No Return (151)	Bresser's Criss-Cross Directory
	B & G BBQ (157)	Bresser's Criss-Cross Directory
	B & G Hand Car Wash (157)	Bresser's Criss-Cross Directory
	Residence (161)	Bresser's Criss-Cross Directory
	Address not listed in research source (177)	Bresser's Criss-Cross Directory
	Residence (181)	Bresser's Criss-Cross Directory
	No Return (187)	Bresser's Criss-Cross Directory
	Residence (189)	Bresser's Criss-Cross Directory
	Address not listed in research source (191)	Bresser's Criss-Cross Directory
	Address not listed in research source (192)	Bresser's Criss-Cross Directory
	Residence (192 1/2)	Bresser's Criss-Cross Directory
	Address not listed in research source (193)	Bresser's Criss-Cross Directory
	Residence (193 1/2)	Bresser's Criss-Cross Directory
	Jack's Barber Shop (195)	Bresser's Criss-Cross Directory
	John's Party Store (195)	Bresser's Criss-Cross Directory
	Residence (195 1/2)	Bresser's Criss-Cross Directory

Year	***Uses***	***Source***
1977	No Return (207)	Bresser's Criss-Cross Directory
	Address not listed in research source (209)	Bresser's Criss-Cross Directory
	Residence (217)	Bresser's Criss-Cross Directory
	Address not listed in research source (243)	Bresser's Criss-Cross Directory
	****HIGHLAND AVENUE****	Bresser's Criss-Cross Directory
	Address not listed in research source (367)	Bresser's Criss-Cross Directory
	Address not listed in research source (369)	Bresser's Criss-Cross Directory
1981	****SOUTH BOULEVARD WEST****	Bresser's Criss-Cross Directory
	Residence (147)	Bresser's Criss-Cross Directory
	No Return (151)	Bresser's Criss-Cross Directory
	Penny's BBQ (157)	Bresser's Criss-Cross Directory
	Residence (161)	Bresser's Criss-Cross Directory
	Address not listed in research source (177)	Bresser's Criss-Cross Directory
	Residence (181)	Bresser's Criss-Cross Directory
	No Return (187)	Bresser's Criss-Cross Directory
	No Return (189)	Bresser's Criss-Cross Directory
	Address not listed in research source (191)	Bresser's Criss-Cross Directory
	Address not listed in research source (192)	Bresser's Criss-Cross Directory
	No Return (192 1/2)	Bresser's Criss-Cross Directory
	Address not listed in research source (193)	Bresser's Criss-Cross Directory
	Residence (193 1/2)	Bresser's Criss-Cross Directory
	Jack's Barber Shop (195)	Bresser's Criss-Cross Directory

Year	***Uses***	***Source***
1981	Residence (195 1/2)	Bresser's Criss-Cross Directory
	No Return (207)	Bresser's Criss-Cross Directory
	Residence (209)	Bresser's Criss-Cross Directory
	Residence (217)	Bresser's Criss-Cross Directory
	Address not listed in research source (243)	Bresser's Criss-Cross Directory
	****HIGHLAND AVENUE****	Bresser's Criss-Cross Directory
	Address not listed in research source (367)	Bresser's Criss-Cross Directory
	Address not listed in research source (369)	Bresser's Criss-Cross Directory
1986	****SOUTH BOULEVARD WEST****	Bresser's Criss-Cross Directory
	Residence (147)	Bresser's Criss-Cross Directory
	No Return (151)	Bresser's Criss-Cross Directory
	Bell's Car Wash (157)	Bresser's Criss-Cross Directory
	Residence (161)	Bresser's Criss-Cross Directory
	Address not listed in research source (177)	Bresser's Criss-Cross Directory
	Residence (181)	Bresser's Criss-Cross Directory
	No Return (187)	Bresser's Criss-Cross Directory
	No Return (189)	Bresser's Criss-Cross Directory
	Address not listed in research source (191)	Bresser's Criss-Cross Directory
	Address not listed in research source (192)	Bresser's Criss-Cross Directory
	No Return (192 1/2)	Bresser's Criss-Cross Directory
	Address not listed in research source (193)	Bresser's Criss-Cross Directory
	No Return (193 1/2)	Bresser's Criss-Cross Directory

Year	***Uses***	***Source***
1986	House of Burns Memorial Chapel (195)	Bresser's Criss-Cross Directory
	No Return (195 1/2)	Bresser's Criss-Cross Directory
	No Return (207)	Bresser's Criss-Cross Directory
	Residence (209)	Bresser's Criss-Cross Directory
	Residence (217)	Bresser's Criss-Cross Directory
	Address not listed in research source (243)	Bresser's Criss-Cross Directory
	****HIGHLAND AVENUE****	Bresser's Criss-Cross Directory
	Address not listed in research source (367)	Bresser's Criss-Cross Directory
	Address not listed in research source (369)	Bresser's Criss-Cross Directory
1991	****SOUTH BOULEVARD WEST****	Bresser's Criss-Cross Directory
	Residence (147)	Bresser's Criss-Cross Directory
	No Return (151)	Bresser's Criss-Cross Directory
	Address not listed in research source (157)	Bresser's Criss-Cross Directory
	Residence (161)	Bresser's Criss-Cross Directory
	Address not listed in research source (177)	Bresser's Criss-Cross Directory
	Residence (181)	Bresser's Criss-Cross Directory
	No Return (187)	Bresser's Criss-Cross Directory
	No Return (189)	Bresser's Criss-Cross Directory
	Address not listed in research source (191)	Bresser's Criss-Cross Directory
	Address not listed in research source (192)	Bresser's Criss-Cross Directory
	No Return (192 1/2)	Bresser's Criss-Cross Directory
	Address not listed in research source (193)	Bresser's Criss-Cross Directory

Year	***Uses***	***Source***
1991	No Return (193 1/2)	Bresser's Criss-Cross Directory
	House of Burns Memorial Chapel (195)	Bresser's Criss-Cross Directory
	No Return (195 1/2)	Bresser's Criss-Cross Directory
	Residence (207)	Bresser's Criss-Cross Directory
	No Return (209)	Bresser's Criss-Cross Directory
	Residence (217)	Bresser's Criss-Cross Directory
	Address not listed in research source (243)	Bresser's Criss-Cross Directory
	****HIGHLAND AVENUE****	Bresser's Criss-Cross Directory
	Address not listed in research source (367)	Bresser's Criss-Cross Directory
	Address not listed in research source (369)	Bresser's Criss-Cross Directory
1996	****SOUTH BOULEVARD WEST****	Bresser's Criss-Cross Directory
	Residence (147)	Bresser's Criss-Cross Directory
	No Return (151)	Bresser's Criss-Cross Directory
	Arzo's Wash & Ice Crm. (157)	Bresser's Criss-Cross Directory
	No Return (161)	Bresser's Criss-Cross Directory
	Cmptr. Intgrtd. Weld (177)	Bresser's Criss-Cross Directory
	No Return (181)	Bresser's Criss-Cross Directory
	No Return (187)	Bresser's Criss-Cross Directory
	No Return (189)	Bresser's Criss-Cross Directory
	Residence (191)	Bresser's Criss-Cross Directory
	No Return (192)	Bresser's Criss-Cross Directory
	No Return (193)	Bresser's Criss-Cross Directory

Year	Uses	Source
1996	House of Burns Memorial Chapel (195)	Bresser's Criss-Cross Directory
	Residence (207)	Bresser's Criss-Cross Directory
	No Return (209)	Bresser's Criss-Cross Directory
	Residence (217)	Bresser's Criss-Cross Directory
	Address not listed in research source (243)	Bresser's Criss-Cross Directory
	****HIGHLAND AVENUE****	Bresser's Criss-Cross Directory
	Residence (367)	Bresser's Criss-Cross Directory
	Address not listed in research source (369)	Bresser's Criss-Cross Directory
2001	****SOUTH BOULEVARD WEST****	Bresser's Criss-Cross Directory
	No Return (147)	Bresser's Criss-Cross Directory
	Arzo's Car Wash (157)	Bresser's Criss-Cross Directory
	Cmptr. Intgrtd. Weld (177)	Bresser's Criss-Cross Directory
	Residence (181)	Bresser's Criss-Cross Directory
	House of Burns Memorial Chapel (195)	Bresser's Criss-Cross Directory
	Residence (207)	Bresser's Criss-Cross Directory
	Residence (217)	Bresser's Criss-Cross Directory
	Residence (243)	Bresser's Criss-Cross Directory
	****HIGHLAND AVENUE****	Bresser's Criss-Cross Directory
	Address not listed in research source (369)	Bresser's Criss-Cross Directory
2006	****SOUTH BOULEVARD WEST****	Bresser's Criss-Cross Directory
	No Return (147)	Bresser's Criss-Cross Directory
	Residence (181)	Bresser's Criss-Cross Directory

Year	***Uses***	***Source***
2006	House of Burns Memorial Chapel (195)	Bresser's Criss-Cross Directory
	Residence (207)	Bresser's Criss-Cross Directory
	Residence (217)	Bresser's Criss-Cross Directory
	No Return (243)	Bresser's Criss-Cross Directory
	****HIGHLAND AVENUE****	Bresser's Criss-Cross Directory
	Residence (369)	Bresser's Criss-Cross Directory

APPENDIX I

SELECT SITE PROVIDED INFORMATION

SPILL HISTORY

AUGUST 23, 1978	GASOLINE TO CRYSTAL LAKE
DECEMBER 21, 1978	100 GALLONS OF GASOLINE TO CRYSTAL LAKE
JULY 8, 1983	100 GALLONS OF OILY WASTE TO GROUND
MARCH 22, 1984	LESS THAN 500 GALLONS TO CRYSTAL LAKE
AUGUST 8, 1985	5-10 GALLONS OF PAINT TO CRYSTAL LAKE
JANUARY 7, 1986	2000 GALLONS WASTEWATER TO CRYSTAL LAKE
FEBRUARY 24, 1986	3000 GALLONS WASTEWATER TO CRYSTAL LAKE
OCTOBER 28, 1986	WASTEWATER ALONG RAILROAD TRACKS
DECEMBER 1, 1986	1000 GALLONS WASTEWATER TO CRYSTAL LAKE
SEPTEMBER 15, 1987	9000 GALLONS WASTEWATER TO CRYSTAL LAKE
OCTOBER 24, 1987	WASTEWATER TO CRYSTAL LAKE
NOVEMBER 3, 1987	NOTHING TO ENVIRONMENT
NOVEMBER 7, 1987	1000+ GALLONS WASTEWATER TO CRYSTAL LAKE
NOVEMBER 23, 1987	WASTEWATER TO CRYSTAL LAKE
AUGUST 16, 1988	3000 GALLONS WASTEWATER TO CRYSTAL LAKE
JULY 4, 1988	3600 GALLONS ELPO TO STORM DRAINS
JANUARY 15, 1989	PURGE SOLVENT UST LEAK
AUGUST 16, 1989	WASTEWATER TO CRYSTAL LAKE
SEPTEMBER 10, 1989	GASOLINE UST LEAK
AUGUST 14, 1990	WASTEWATER TO CRYSTAL LAKE
APRIL 29, 1991	375 GALLONS STRIPPER
AUGUST 23, 1991	SMALL PARTS SPRAY BOOTH
JANUARY 21, 1992	BONDERITE SYSTEM SUMP LEAK
JUNE 30, 1992	ELPO AT LIFT STATION
NOVEMBER 27, 1992	PHOSPHATE DECK LEAK
FEBRUARY 7, 1993	PLT 5 BROKEN FIRE LINE
APRIL 15, 1993	PHOS. DECK

PFS\SPILL HISTORY

SPILL HISTORY

AUGUST 23, 1978	GASOLINE TO CRYSTAL LAKE	
DECEMBER 21, 1978	100 GALLONS OF GASOLINE TO CRYSTAL LAKE	
JULY 8, 1983	100 GALLONS OF OILY WASTE TO GROUND	
MARCH 22, 1984	LESS THAN 500 GALLONS TO CRYSTAL LAKE	
AUGUST 8, 1985	5-10 GALLONS OF PAINT TO CRYSTAL LAKE	
JANUARY 7, 1986	2000 GALLONS WASTEWATER TO CRYSTAL LAKE	
FEBRUARY 24, 1986	3000 GALLONS WASTEWATER TO CRYSTAL LAKE	
OCTOBER 28, 1986	WASTEWATER ALONG RAILROAD TRACKS	
DECEMBER 1, 1986	1000 GALLONS WASTEWATER TO CRYSTAL LAKE	
SEPTEMBER 15, 1987	9000 GALLONS WASTEWATER TO CRYSTAL LAKE	
OCTOBER 24, 1987	WASTEWATER TO CRYSTAL LAKE	
NOVEMBER 3, 1987	NOTHING TO ENVIRONMENT	
NOVEMBER 7, 1987	1000+ GALLONS WASTEWATER TO CRYSTAL LAKE	
NOVEMBER 23, 1987	WASTEWATER TO CRYSTAL LAKE	
AUGUST 16, 1988	3000 GALLONS WASTEWATER TO CRYSTAL LAKE	
JULY 4, 1988	3600 GALLONS ELPO TO STORM DRAINS	
JANUARY 15, 1989	PURGE SOLVENT UST LEAK	
AUGUST 16, 1989	WASTEWATER TO CRYSTAL LAKE	
SEPTEMBER 10, 1989	GASOLINE UST LEAK	
AUGUST 14, 1990	WASTEWATER TO CRYSTAL LAKE	REPORTED
APRIL 29, 1991	375 GALLONS STRIPPER	REPORTED
AUGUST 23, 1991	SMALL PARTS SPRAY BOOTH	NOT REPORTED
JANUARY 21, 1992	BONDERITE SYSTEM SUMP LEAK	STATE ONLY
JUNE 30, 1992	ELPO AT LIFT STATION	STATE ONLY
01/ /92	Phos. Deck Leak	REPORTED
2/7/93	Fire Line Break Pit 5	PRECAUTIONARY

SPILL HISTORY

INCIDENT DATE	INCIDENT
08/23/78	Loss of gasoline to Crystal Lake (Clinton River)
12/21/78	Loss of gasoline to Crystal Lake (Clinton River)
07/05/83	Loss of oily waste to Crystal Lake
03/22/84	Loss of paint to trench drain
08/08/85	Paint mix room spill
08/21/85	Acid waste overflow
01/07/86	Industrial wastewater
02/24/86	Industrial wastewater
11/03/86	Industrial wastewater
12/01/86	Industrial wastewater
09/15/87	Industrial wastewater
10/24/87	Phosphate water
11/03/87	Phosphate water
11/10/87	Phosphate water
11/22/87	Industrial wastewater
11/23/87	Industrial wastewater
07/04/88	ELPO waste
01/19/89	Purge solvent tank
05/10/89	Sm. parts spray booth (not reportable)
06/05/89	Sm. parts ELPO (not reportable)
08/15/89	Waste lift station
09/10/89	Gasoline line
8/15/90	Sm. Parts [redacted] PHOSPHATE
4/29/91	TOTE TANK SPILL (NOT REPORTABLE)
PLNTENG2:SPHIST 5/2/91	Sm Parts ELPO (NOT REPORTED)

GM47DD

RK 10/16/78

Box K

RK/1

GMC TRUCK & COACH DIVISION
GENERAL MOTORS CORPORATION

ORGANIZATION LETTERS ONLY

TO Mr. A. L. DiVito ADDRESS

FROM D. Harrett ADDRESS

SUBJECT PCB SPILL CLEANUP - PLANT 4 TRANSFORMER VAULT DATE October 12, 1978

Shortly after a PCB-containing transformer was relocated to a vault on the roof of Building 37, Plant 4, a slow leak developed in the drain valve of the transformer, releasing about one pint of fluid. This leak was later repaired by contractors, but the spilled fluid remained. Since the spill represented no threat of environmental contamination, it was decided to leave it in place until a proper means of disposal and materials for cleanup were available.

On October 11, permission was received from Pontiac Motor Division to consolidate the residue from this spill with the waste collected from their catastrophic spill earlier in the year, as they were about to ship their PCB waste to a disposal site. A booth cleaner from Plant 5 was recruited to help in the cleanup, and ordinary paint solvent was used to thin the spill, which had dried to a sticky consistency. Dow "imbiber bags" then were employed to soak up the thinned residue. These bags have the ability to selectively soak up organic materials while rejecting water, and once the material is absorbed, it is held permanently. All such contaminated cleanup materials were then placed in a 5-gallon pail and sealed in. The container of waste was taken to Pontiac Motor Division, where Kathy Malone of Plant Engineering, who is overseeing their PCB waste disposal, placed it in one of their drums to be shipped out.

Miss Malone supplied some further information on the logistics of the actual disposal. The disposal company, Waste Management of Alabama, is handling all technical aspects of the disposal, including transportation to the site and legal approvals and clearances required for the transport. Cost to Pontiac Motor is $96.16 per 55-gallon drum, with a minimum of 70 drums. The Pontiac spill generated 78 drums of waste, although the total actual amount of PCB spilled was only about 40 gallons. ✕

D. Harrett

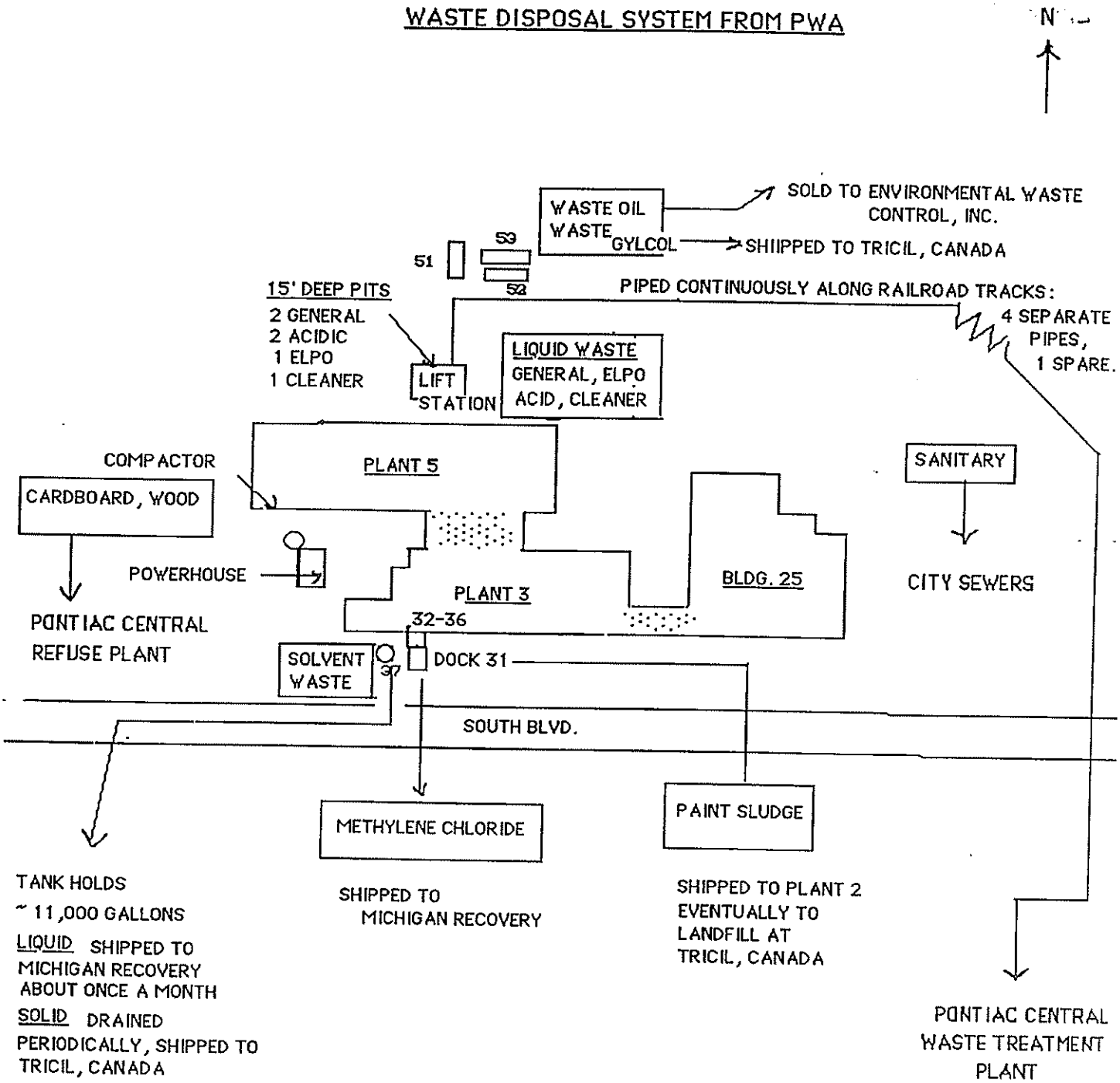
D. Harrett
Environ. Engineering

RK
10/16/78

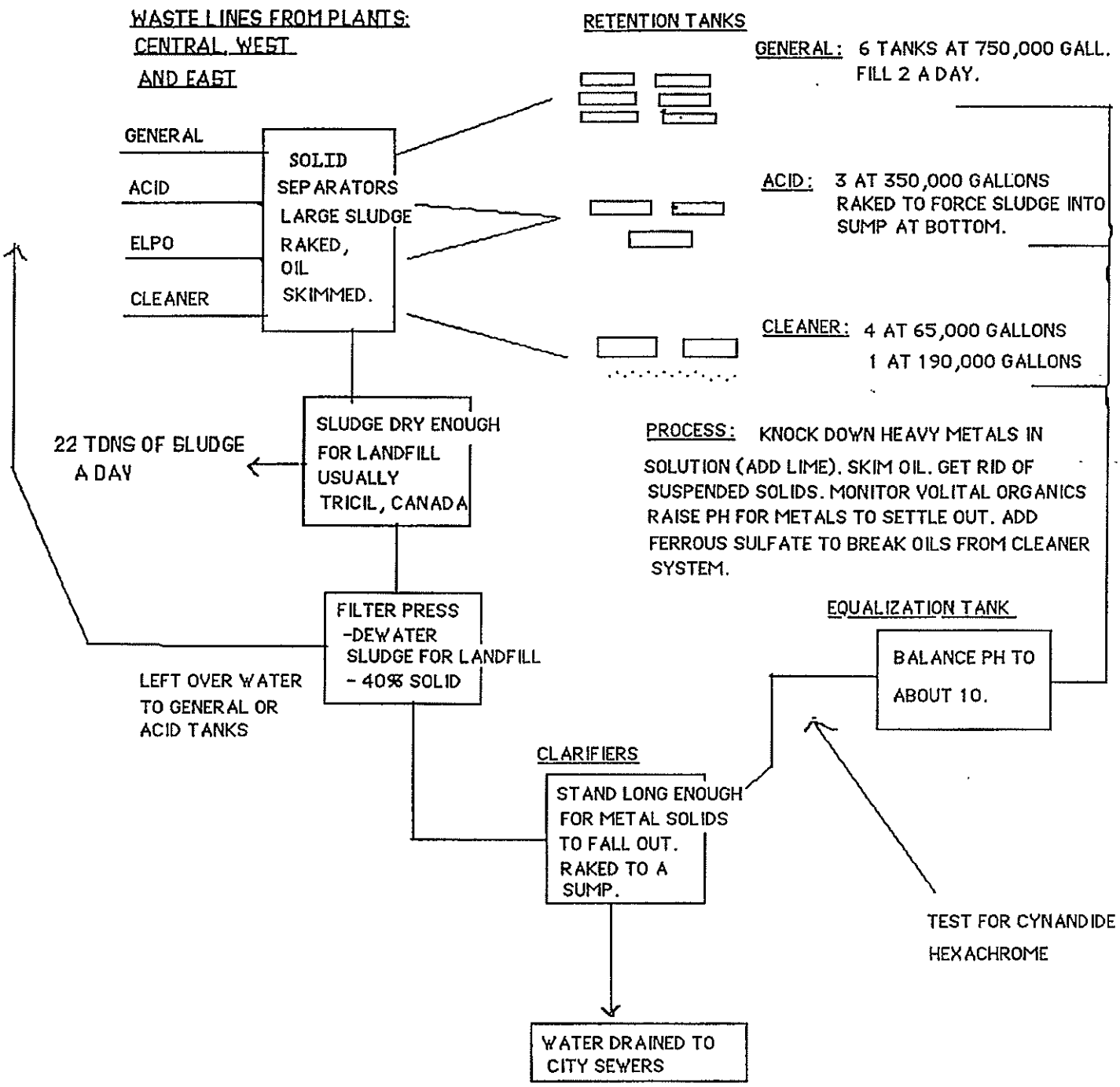
LF

cc: Messrs. J. D. Opie
B. F. Rogers

WASTE DISPOSAL SYSTEM FROM PWA

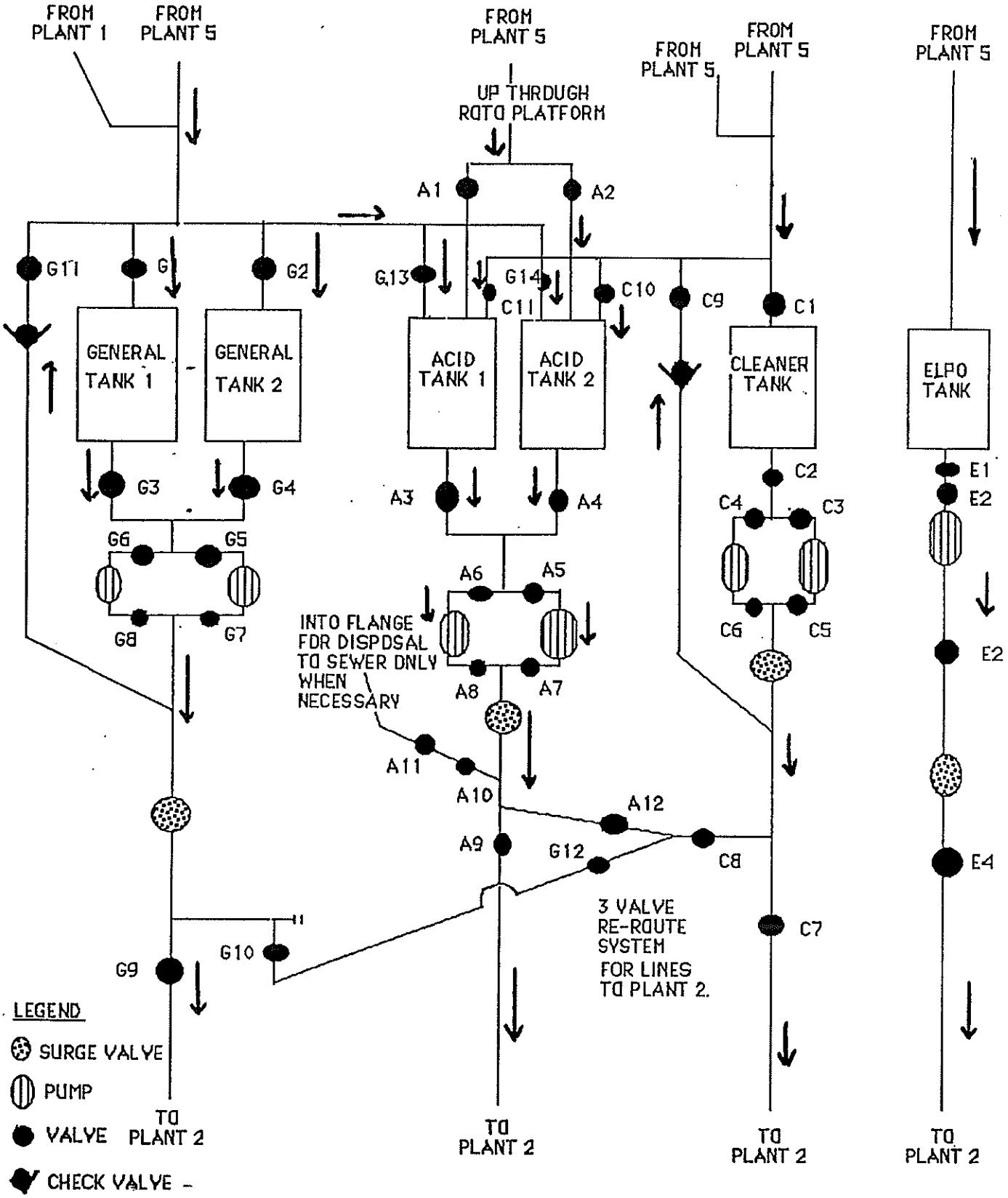


WASTE TREATMENT PLANT
PONTIAC CENTRAL



WATER ~ 2 MILLON GALLONS A DAY

WASTE WATER FLOW DIAGRAM



INDUSTRIAL WASTE SYSTEM #1 (GENERAL)
" " " #2 (ACID)

HEAT TRACE IW#1

PRODUCT VEHICLE PARKING 225 SPACES
PARKING 667 SPACES
PRODUCT VEHICLE
PARKING SPACES
101,980 SQ. FT.
HEAT TRACE
O.H. DOOR
IW #1
IW #1
DOCK 51
IW#2
BLDG 5
WATER TEST
IW #2
COMPACTOR
IW #1
MAINT
WELD BOOTH
BLDG 37
DIP TANK
BLDG 20
MISC.
RELIABILITY
IW #2
BLDG 31
JITNEY REPAIR
MECH.
IW #2
SLUDGE TANK
ROOF
BLDG 3
INDUSTRIAL WASTE #2
INDUSTRIAL WASTE #2 (ACID)
INDUSTRIAL WASTE #1
BLDG 25
WELD WATER
EMPTOYFF PARKING 429 SPACES
146,290 SQ. FT.
34,250 SQ. FT.
SOUTH BOULEVARD
156,740 SQ FT

11/27/98

PLANT 5

W-5688

A — B

Comp on Precast Conc on Bare Steel Trusses, Beams & Columns

Comp on Plank on St

8' Wid Mtl Clad

Comp. on Precast Conc. on Bare St.

Comp. on Plank Insul on Steel

Comp on Precast Conc on Bare Steel

Parts Stge

Parts Stge. (On Racks)

T & C Shop Occupancies - North

Parts Stge.

Truck Cab Assembly & Body Shop

Misc Stge (Insul)

Alum Clad on Steel

Conc on Earth

Brick

A-A

B - B

C - C

Comp on Precast Conc on Bare Steel

Vacant

Vacant

Vacant

Vacant

Comp on Plank on Steel

Comp on Precast Conc on Steel

Ramp on Steel

Mostly Metal Parts Stge.

Comp on Plank on Steel

Mostly Metal Parts Stge.

Comp on Metal Deck on Steel

Misc. Maint. Stge.

Brick

R R Track

WILSON AVE.

HARRISON AVE.

HUGHES AVE.

FRANKLIN ROAD

FRANKLIN FENCE

WIRE

ST. DR.

RAMP

BOOSTER PUMP
SEE ENLARGED SKETCH "A"

(1923) ELEC. WITCH H.C.B. & Ven No. 3 32'x65'

AUTO PARKING

WILSON AVE.

47 LBS. PRESSURE DIRECT PUMPING SYSTEM

6" C.W.M.

12" C.W.M.

4" C.W.M.

D.H.

SHUT

PUMP HO. 10x20

1000 GAL. 64 Deg. Tk. & Pump

B.O.M.

METAL HOPPER

ELEC. VAULT

No 16

No 17

No 18

No 19

No 20

No 21

No 22

No 23

No 24

No 25

No 26

No 27

No 28

No 29

No 30

No 31

No 32

No 33

No 34

No 35

No

CONFIDENTIAL
THIS PLAN SHOULD BE MADE
AVAILABLE ONLY TO AUTHORIZED PERSONS

8159

CONFIDENTIAL

GMC TRUCK & COACH DIVISION
GENERAL MOTORS CORPORATION
PLANT NOS 3 & 4
PONTIAC, MICHIGAN DRAWING FOR REFERENCE ONLY/NOT-TO-SCALE

FACTORY INSURANCE ASSOCIATION
WESTERN REGIONAL OFFICE
CHICAGO, ILL.

DEC. 17TH, 1954 J. CONNELL

8159

(15209)

CONFIDENTIAL
THIS PLAN SHOULD BE MADE AVAILABLE ONLY TO AUTHORIZED PERSONS

5268

T. & G. On Reinf. Conc. Beams & Columns

Patterns — Jigs — Office & Drafting

Lab. — Maint. Dept. — Shoe Store — Spray Booth — Machine Shop — Sheet Metal Shop — Welding Shop — Paint Shop — Carp. Shop & Mach. Shop

Parts In Process Stge. — Spray Booths — Machine Shop — Welding

Oil Reclaiming — Maint. Service — Stock Stge.

Conc. — 5

Reinf Conc. On Bare St. Trusses & Col's.

Heat Treating — Parts Machining — Tool & Die Making — Gear Cutting

Dies Stge. — 12

Comp. On 1" Board On Wd. Joists On Wd. Beams

T. & G. On 1" Board On Joists On Wood Beams & Columns

T & G On Reinf. Conc. Bms. & Col's.

W. Gl. In Steel Sash

Service Stock Stge. — Patterns — Service Repair — Service — Machine Shop — Misc. Assemblies

Stock Stge. — Service Stock Stge. — Machining — Machine Shop

Conc. — I-D — I-B — 3 — 4

Reinf. Conc. On Beams & Columns

Machine Shop

I-A — I-C — 7

Comp. On Wood On Wood Joist Bms. & Col's.

Comp. On Plk. On Wood On Wood Trees, Bms. & Col's.

Comp. On Plk. On Bare St. Truss & Col's.

T & G On Reinf. Conc. Bms. & Col's.

Vacant — Pattern Stge. — Vacant — Machine Shop — Service Repair - Service Machine Shop — Misc. Assemblies — Service Stock Stge. — Electrical Dept.

Service Stge. — Service Shipping — Painting & Spraying — Motor Machining

Conc. — I-A — 2 — 7 — 4

Corr. Metals — Casting & Metal Parts Stge. — Scrap Handling

Comp. On Steel Deck On Steel Purlins, Beams & Columns

Conc. — 27

SAGINAW ST. — 8" C.W.M. — 12" C.W.M.

GRAND TRUNK R.R.

FENCE — WIRE

CONSUMERS POWER CO.

RAPID ST.

FRANKLIN ROAD

ROCKWELL AVE.

FISHER AVE.

SPAR MAG PLATING MFG. CO.

VACANT BEYOND 100 FEET SEVERAL

NO. 1-D 60x82'

NO. 1-B 60'x211'

NO. 1-C 50'x180' MACHINE SHOP

NO. 1-A 60'x128'

NO. 2 50'x171'

NO. 3 40'x86'

NO. 4 100'x300'

NO. 5

NO. 6 STAMPING, GRINDING & PRESSING

NO. 7 109'x109'

NO. 10 DIE STGE.

NO. 11 44'x100'

NO. 12

NO. 13

NO. 14

NO. 15

NO. 16 METAL PARTS STGE.

NO. 17

NO. 18

NO. 19 PAINT STGE.

NO. 21

NO. 22 LOADING PLATFORM

NO. 23 77'x88' CASTING STGE. — SAND BLAST

NO. 24 36' STGE. I-B

NO. 25 OPEN SIDE STEEL STGE. 80'x50'

NO. 26 PICKLING ROOM

NO. 27 94'x300'

NO. 29 18'x18' CONC. FLOOR

CONC. PLATFORM

MACHINE SHOP-1ST. SHEET METAL SHOP-END.

STGE. 1ST & 2ND.

CONC. WALLS INSPECTION & TOOL ROOM

EMBANKMENT

OPEN SIDE STEEL STGE. 80'x50' OPEN SIDE

WATCHMAN NO.

100,000 GAL. RESERVOIR

10,000 G.P.M. ALLIS-CHALMERS MOTOR-AUTO ELECT. CENTR. FIRE PUMP

10,000 GAL. WATER TR.

10,000 GAL. DIONISED WD. WATER TR.

OFFICE, LABORATORY & TOOL BLDG. N.S.B. 2B

COMPRESSOR ROOM

500 GAL. FUEL OIL TANK

OIL QUENCH

HEAT TREAT DEPT.

SALT BATHS

OVENS

FORGING

CASTING STGE. — SAND BLAST

CONC. FLOOR

OIL HEATER

BUILT-IN MELTING FURN. FR. ROOF N.C.B.

N.C.B. WALLS CONC.

SWITCH ROOM

FR. INSPECTION OFF.

FR. WATCH NO.

1-888 K.V.A. 1-600 P.V.M. TO BE REMOVED

1-333 K.V.A. ON CONC. PAD. WIRE FENCE

1-333 K.V.A. ON CONC. PAD

1-333 K.V.A. 1-600 P.V.M.

SOLVENT IN DRUMS & STGE.

DIE STGE.

OILS & SOLVENTS IN DRUMS

PRINCIPAL MAP SYMBOLS

FIRE RESISTIVE, PROTECTED STEEL — COLOR BROWN

MASONRY OR CONCRETE WALLS, UNPROTECTED STEEL INTERIOR AND ROOF, NO WOOD — COLOR GRAY WITH BROWN MARGIN

FIRE RESISTIVE EXCEPT WOOD ROOF, TWO OR MORE STORIES — COLOR BROWN WITH YELLOW CENTER

CONCRETE, STONE, CONCRETE OR CINDER BLOCK WALLS, COMBUSTIBLE ROOF & INTERIOR — COLOR BLUE

No. 2 (in box) NUMBER OF STORIES SHOWN IN LOWER LEFT HAND CORNER

FIRE WALLS

WINDOW, SHOWN ONLY ON MASONRY WALL

FIRE DOOR, FLOOR INDICATED

CAPACITY, LENGTH & HEIGHT INDICATED

INDICATES SPRINKLERED BUILDING

INDICATES UNSPRINKLERED BUILDING

MAIN WATER PIPES FOR FIRE PROTECTION

MAIN WATER PIPES FOR FIRE PROTECTION, UNDER BUILDINGS

VALVE IN PIT, PIT INDICATED BY BROKEN CIRCLE

CHECK VALVE, INDICATES DIRECTION OF FLOW

WATER FLOW ALARM VALVE

PRIVATE HYDRANT, FROSTPROOF

FIRE DEPARTMENT CONNECTION

WATCHMAN'S CLOCK STATION

PUBLIC HYDRANT, D.H. INDICATES DOUBLE HYDRANT WITH PUMPER CONNECTION

OTHER DETAILS OF SYMBOLS FOLLOW THE STANDARD PLAN SYMBOLS

BRICK OR HOLLOW TILE WALLS COMBUSTIBLE ROOF & INTERIOR — COLOR RED

NON COMBUSTIBLE WALLS & ROOF — COLOR GRAY

WOOD IRON CLAD OR WOOD SKELETON IRON CLAD — COLOR YELLOW WITH GRAY MARGIN

WOOD FRAME OR WOOD STUCCOED — COLOR YELLOW

OTHER WALLS

PARAPETED WALL

FIRE ALARM BOX

ELEVATOR

STAIRS

BOILERS

HOSE CONNECTION

POST INDICATOR VALVE

SIAMESE

DRY PIPE VALVE

SPRINKLER HEAD

ALARM CHECK VALVE

SUCTION PIPE

SECTIONS

PARAPETED WALL

CONCRETE ROOF INDICATED BY HEAVY LINE

WOOD FLOOR - PLANK ON TIMBER

WOOD FLOOR - OPEN JOIST

UNFINISHED FLOOR

WINDOW

AUTOMATIC SPRINKLER IN ROOM

NO SPRINKLER IN ROOM

EARTH

DRAWING FOR REFERENCE ONLY/NOT TO-SCALE

CONFIDENTIAL

GENERAL MOTORS CORPORATION
TRUCK & COACH DIVISION
PLANT NO. 1
PONTIAC, MICHIGAN

FACTORY INSURANCE ASSOCIATION
WESTERN REGIONAL OFFICE
CHICAGO, ILL.

MAR. 25TH. 1954 DRAWN BY R. HINTON,

5268

T. .E 1
POTENTIAL AREAS OF ENVIRONMENTAL CONCERN (PAOCs)
GENERAL MOTORS CORPORATION
NORTH AMERICAN TRUCK PLATFORM
PONTIAC WEST FACILITY

Description	Plant	Approximate Location/ Bldg. No.	Potential contaminants	Figure Reference	Source Reference	Source Date	Photograph Reference	PAOC Yes/No
3-transf	Plant 1	southwest corner B-4	PCBs	1-A	{ 1 }	3/1/34	---	No
5-transf	Plant 1	central northeast wall B-5	PCBs	1-B	{ 1 }	3/1/34	---	No
1-12,000 gallon gasoline UST	Plant 1	between B-5 and B-7	BTEX, PNAs, lead	1-C	{ 1 }	3/1/34	---	Yes
500-gallon fuel oil tank	Plant 1	northeast wall B-6	PNAs	1-D	{ 4 }	3/25/54	---	Yes
3-transf (2-333 KVA, 1-200 KVA)	Plant 1	north wall of B-12	PCBs	1-E	{ 4 }	3/25/54	---	No
Pickling room	Plant 1	adjacent to east of B-27	acid	1-F	{ 4 }	3/25/54	---	Yes
Tank Farm	Plant 1	southeast corner of lot	BTEX, PNAs, lead	1-G	{ 4 }	3/25/54	---	Yes
Oil storage	Plant 1	B-18	PNAs	1-H	{ 4 }	3/25/54	---	Yes
Oil and solvent drum storage	Plant 1	B-10	solvents, PNAs	1-I	{ 4 }	3/25/54	---	Yes
6-transf (4-200 KVA, 1-75 KVA, 1-100 KVA)	Plant 1	northern roof B-5	PCBs	1-J	{ 4 }	3/25/54	---	No

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Prepared at the request of
General Motors Counsel

THE TRAVERSE GROUP

Description	Plant	Approximate Location/ Bldg. No.	Potential contaminants	Figure Reference	Source Reference	Source Date	Photograph Reference	PAOC Yes/No
2-refined oil tanks	Plant 1	northeast corner B-12	PNAs	1-K	{ 4 }	3/25/54	---	Yes
2-transf (1-333 KVA, 1-200 KVA)	Plant 1	southwest corner	PCBs	1-L	{ 4 }	3/25/54	---	No
Plating room	Plant 1	west side of B-27	metals, cyanide, acid	1-M	{ 4 }	3/25/54	---	Yes
Oil quench and heat treat dept.	Plant 1	southeast corner B-12	chromium	1-N	{ 4 }	3/25/54	---	Yes
Rail road	Plant 1	east side	unknown	1-O	{ 10 }	6/28/94	Photograph #4	Yes
Heat treat operation	Plant 1	B-23	cyanide	1-P	{ 12 }	7/28/94	---	No
Heat treat room	Plant 1	B-27	Cyanide	1-Q	{ 12 }	7/28/94	---	No
Nickel solution handling	Plant 1	B-6	Nickel, metals	1-R	{ 12 }	7/28/94	---	No
Chromium electroplating	Plant 1	B-13	Chromium, metals	1-S	{ 12 }	7/28/94	---	No
Oil stains	Plant 1	surrounding B-4 and B-12	PNAs	1-T	{ 12 }	7/28/94	---	No

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General Motors Counsel

TABLE continued
POTENTIAL AREAS OF ENVIRONMENTAL CONCERN (PAOCs)
GENERAL MOTORS CORPORATION
NORTH AMERICAN TRUCK PLATFORM
PONTIAC WEST FACILITY

Description	Plant	Approximate Location/ Bldg. No.	Potential contaminants	Figure Reference	Source Reference	Source Date	Photograph Reference	PAOC Yes/No
1-10,000 gallon solvent and 1-8,000 gallon overflow USTs	Plant 3	central south exterior wall Bldg. B-17	solvents	3-A	{ 11 }	NA	Photograph #5	Yes
4-transf	Plant 3	southern portion B-13	PCBs	3-B	{ 11 }	NA	---	No
1,000 gallon gasoline UST with pumps	Plant 3	northeast corner B-12	BTEX, PNAs, lead	3-C	{ 2 }	9/1/37	---	Yes
1,000 gallon gasoline UST	Plant 3	southeast corner B-12	BTEX, PNAs, lead	3-D	{ 2 }	9/1/37	---	Yes
3-transf	Plant 3	central south wall B-17	PCBs	3-E	{ 2 }	9/1/37	---	No
3-transf	Plant 3	southeast corner B-17	PCBs	3-F	{ 2 }	9/1/37	---	No
2-transf	Plant 3	southeast corner B-12	PCBs	3-G	{ 2 }	9/1/37	---	No
1-1,800 gallon gasoline UST with pumps	Plant 3	southwest corner B-6	BTEX, PNAs, lead	3-H	{ 5 }	12/17/54	---	Yes
4-12,000 gallon petroleum USTs and pump house	Plant 3	northwest corner B-34	BTEX, PNAs, lead	3-I	{ 5 }	12/17/54	Photograph #6-8	Yes

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TABLE . ntinued
POTENTIAL AREAS OF ENVIRONMENTAL CONCERN (PAOCs)
GENERAL MOTORS CORPORATION
NORTH AMERICAN TRUCK PLATFORM
PONTIAC WEST FACILITY

Description	Plant	Approximate Location/ Bldg. No.	Potential contaminants	Figure Reference	Source Reference	Source Date	Photograph Reference	PAOC Yes/No
2-transf (1-50 KVA, 1-250 KVA)	Plant 3	southwest corner on storage deck B-12	PCBs	3-J	{ 5 }	12/17/54	---	No
Brick tunnel	Plant 3 & 37	begins in Plant 3 to B-37	asbestos, oil	3-K	{ 5 }	12/17/54	---	Yes
Underground tunnel	Plant 3 & 17	between Plant 3 and 5	lead, asbestos, oil	3-L	{ 5 }	12/17/54	---	Yes
1-15,000 gallon gasoline UST	Plant 3	southwest corner B-46	BTEX, PNAs, lead	3-M	{ 5 }	12/17/54	---	Yes
4-transf	Plant 3	central north wall on storage deck roof B-17	PCBs	3-N	{ 5 }	12/17/54	---	No
3 Heat Treat Furnaces	Plant 3	west wall B-14	Cyanide salts	3-O	{ 5 }	12/17/54	---	Yes
Paint storage and mix area	Plant 3	central south wall in basement B-17	VOCs, metals	3-P	{ 5 }	12/17/54	---	Yes
6 rustproofing tanks	Plant 3	central north wall B-17	metals, solvents	3-Q	{ 6 }	9/15/60	---	Yes
LUST site	Plant 3	south of central south wall	BTEX, PNAs, lead	3-R	{ 10 }	6/28/94	Photograph #9	Yes

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Description	Plant	Approximate Location/ Bldg. No.	Potential contaminants	Figure Reference	Source Reference	Source Date	Photograph Reference	PAOC Yes/No
Former paint spray booth	Plant 3	central part of west side B-16	VOCs, metals	3-S	{ 12 }	7/28/94	---	No
ASTs (square)	Plant 3	northwest exterior corner B-17	unknown	3-T	{ 10 }	6/28/94	Photograph #10	Yes
Fill port for ATF, rear axle lube, and ELPO resin	Plant 3	southwest exterior corner B-34	metals, solvents	3-U	{ 10 }	6/28/94	Photograph #11-12	Yes
ELPO dip tank	Plant 3	northwest corner B-16	lead	3-V	{ 10 }	6/28/94	---	Yes
8-stage phosphate system	Plant 3	northern portion/B-17	nickel, zinc, manganese, chrome III	3-W	{ 10 }	6/28/94	Photograph #13	Yes
4-paint sludge tanks	Plant 3	central north B-17	metals, VOCs	3-X	{ 10 }	6/28/94	---	Yes
2-ASTs in shed	Plant 3	west side B-34	ATF, rear lube axle	3-Y	{ 10 }	6/28/94	Photograph #14-15	Yes
RCRA Drum Pad	Plant 3	southwest exterior corner B-76	hazardous wastes	3-Z	{ 10 }	6/28/94	Photograph #16	Yes
Drum storage area	Plant 3	East wall of basement B-13	machine oils, anti-freeze, solvents	3-AA	{ 10 }	6/28/94	---	Yes

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Description	Plant	Approximate Location/ Bldg. No.	Potential contaminants	Figure Reference	Source Reference	Source Date	Photograph Reference	PAOC Yes/No
AST and surface soil stains	Plant 3	northwest exterior corner B-13	PNAs/unknown	3-BB	{ 10 }	6/28/94	Photograph #17	Yes
Equipment storage/oil leaks	Plant 3	throughout interior of B-12	PNAs	3-CC	{ 10 }	6/28/94	---	Yes
Mercury switches	Plant 3	central portion of Powerhouse B-13	mercury	3-DD	{ 10 }	6/28/94	---	Yes
Salt storage and storm drain	Plant 3 & 35	adjacent to the east B-14/35	salt	3-EE	{ 10 }	6/28/94	Photograph #18-19	Yes
Paint spray booth	Plant 3	B-12	VOCs, metals	3-FF	{ 12 }	7/28/94	---	No
Coal pile	Plant 3	east side of Powerhouse B-13	PNAs	3-GG	{ 10 }	6/28/94	Photograph #20	Yes
Solvent use area	Plant 3 & 35	B-14/35	methylene chloride	3-HH	{ 10 }	6/28/94	---	Yes
Soil staining	Plant 3	east of coal pile/B-34	PNAs	3-II	{ 10 }	6/28/94	Photograph #21	Yes
500 gallon gasoline UST	Plant 4	east half B-25	BTEX, PNAs, lead	4-A	{ 2 }	9/1/37	---	Yes
Chemical storage area	Plant 4	northwest corner B-37 (former B-23)	kerosene, xylol, thinner, oil, paints, lacquer	4-B	{ 3 }	10/1/37	---	Yes

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TABLE ...ontinued
POTENTIAL AREAS OF ENVIRONMENTAL CONCERN (PAOCs)
GENERAL MOTORS CORPORATION
NORTH AMERICAN TRUCK PLATFORM
PONTIAC WEST FACILITY

Description	Plant	Approximate Location/ Bldg. No.	Potential contaminants	Figure Reference	Source Reference	Source Date	Photograph Reference	PAOC Yes/No
4-500 gallon fuel oil tanks	Plant 4	southwest corner B-37 (former B-22)	BTEX, PNAs, lead	4-C	{ 3 }	10/1/37	---	Yes
3-transf	Plant 4	southwest corner B-37 (former B-22)	PCBs	4-D	{ 3 }	10/1/37	---	Yes
Rust proof flow coat and dip tanks	Plant 4	northwest corner B-31	metals, solvents	4-E	{ 5 }	12/17/54	---	Yes
1-transf (1000 KVA)	Plant 4	northwest exterior corner B-37	PCBs	4-F	{ 5 }	12/17/54	---	Yes
Paint vault	Plant 4	northwest corner B-25	VOCs, metals	4-G	{ 5 }	12/17/54	---	Yes
6-transf	Plant 4	southwest corner B-25	PCBs	4-H	{ 5 }	12/17/54	---	Yes
Oil in drums	Plant 4	southwest corner B-31	oil, PNAs	4-I	{ 5 }	12/17/54	---	Yes
6-transf	Plant 4	central west wall B-20	PCBs	4-J	{ 5 }	12/17/54	---	Yes
Rust prevention oil flow coat and degreasers	Plant 4	central eastern portion B-25	oil, solvents, metals	4-K	{ 5 }	12/17/54	---	Yes

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Description	Plant	Approximate Location/ Bldg. No.	Potential contaminants	Figure Reference	Source Reference	Source Date	Photograph Reference	PAOC Yes/No
Gas pump and tank	Plant 4	northeast exterior corner B-25	BTEX, PNAs, lead	4-L	{ 5 }	12/17/54	---	Yes
Solvent & thinner storage	Plant 4	north wall B-25	solvents	4-M	{ 6 }	9/15/60	---	Yes
4-transf (1-200 KVA, 3-300 KVA)	Plant 4	south side B-37	PCBs	4-N	{ 8 }	2/1/76	---	No
Wood block floors	Plant 4	south half B-25	PNAs, metals	4-O	{ 10 }	6/28/94	Photograph #22	Yes
Battery charge area	Plant 4	central northern portion B-25	mercury	4-P	{ 10 }	6/28/94	---	Yes
Wood block floors	Plant 4	east side B-20, 2nd floor	PNAs, metals	4-Q	{ 10 }	6/28/94	---	Yes
Acid waste sump and wash system	Plant 4	central portion B-37	acid	4-R	{ 10 }	6/28/94	---	Yes
Oil stains	Plant 4	north of B-37	PNAs	4-S	{ 10 }	6/28/94	---	Yes
Lead solder pots and stacks	Plant 4	west half B-25	lead	4-T	{ 10 }	6/28/94	Photograph #23	Yes
Spray booth	Plant 4	west side B-20	VOCs, metals	4-U	{ 12 }	7/28/94	---	No
Spray test booth	Plant 4	east side B-20	VOCs, metals	4-V	{ 12 }	7/28/94	---	No

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TABLE ontinued
POTENTIAL AREAS OF ENVIRONMENTAL CONCERN (PAOCs)
GENERAL MOTORS CORPORATION
NORTH AMERICAN TRUCK PLATFORM
PONTIAC WEST FACILITY

Description	Plant	Approximate Location/ Bldg. No.	Potential contaminants	Figure Reference	Source Reference	Source Date	Photograph Reference	PAOC Yes/No
Spray booth	Plant 4	east side B-31	VOCs, metals	4-W	{ 12 }	7/28/94	---	No
Conveyor pits (buried)	Plant 4	B-31	unknown	4-X	{ 12 }	7/28/94	---	No
Conveyor pits (buried)	Plant 4	B-37	unknown	4-Y	{ 12 }	7/28/94	---	No
Buried rail road line	Plant 4	west side B-25	unknown	4-Z	{ 12 }	7/28/94	---	No
4-transf	Plant 5	central north wall B-1	PCBs	5-A	{ 2 }	9/1/37	---	No
Gasoline vault	Plant 5	central portion	BTEX, PNAs, lead	5-B	{ 2 }	9/1/37	---	Yes
1-1,000 gallon gasoline UST and pump	Plant 5	central north exterior wall B-1	BTEX, PNAs, lead	5-C	{ 7 }	6/1/73	---	Yes
3-333 KVA transf	Plant 5	central north exterior wall B-1	PCBs	5-D	{ 7 }	6/1/73	---	Yes
6-transf (3-333 KVA, 3-75 KVA)/concrete pad	Plant 5	central west exterior wall B-1	PCBs	5-E	{ 7 }	6/1/73	Photograph #24	Yes
AST Farm	Plant 5	to north of central north wall B-1	BTEX, PNAs, lead	5-F	{ 9 }	2/10/87	---	Yes

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TABLE ...ontinued
POTENTIAL AREAS OF ENVIRONMENTAL CONCERN (PAOCs)
GENERAL MOTORS CORPORATION
NORTH AMERICAN TRUCK PLATFORM
PONTIAC WEST FACILITY

Description	Plant	Approximate Location/ Bldg. No.	Potential contaminants	Figure Reference	Source Reference	Source Date	Photograph Reference	PAOC Yes/No
Lift station, underground wastewater transfer system and acid waste storage USTs	Plant 5	directly north (B-3)	acid	5-G	{ 10 }	6/28/94	Photograph #25	Yes
Primary house/transf	Plant 5	directly north (B-5)	PCBs	5-H	{ 12 }	7/28/94	---	No
Surface stains around AST farm	Plant 5	along northern border of Plant 5	oil, glycol, BTEX, PNAs	5-I	{ 10 }	6/28/94	Photograph #26-27	Yes
Foundry sand	Plant 5	east side B-1	metals, PNAs	5-J	{ 12 }	7/28/94	---	No
4-ASTs	Plant 5	below grade along south wall B-1	unknown	5-K	{ 10 }	6/28/94	---	Yes
Battery charge area	Plant 5	western half B-1	acids, lead	5-L	{ 10 }	6/28/94	---	Yes
Oil stains and sewer drain	Plant 5	adjacent to southwest corner B-1	PNAs	5-M	{ 10 }	6/28/94	Photograph #28	Yes
Oil residue/leaks	Plant 5	along western exterior wall B-1	PNAs	5-N	{ 10 }	6/28/94	Photograph #29	Yes

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Description	Plant	Approximate Location/ Bldg. No.	Potential contaminants	Figure Reference	Source Reference	Source Date	Photograph Reference	PAOC Yes/No
Fill stations	Plant 5	two locations in eastern half B-1	power steering, engine oil, ATF, rear axle fluid, gasoline	5-O	{ 10 }	6/28/94	---	Yes
2-glycol tanks	Plant 5	eastern half B-1	glycols	5-P	{ 10 }	6/28/94	---	Yes
Black paint dip tank	Plant 5	eastern half B-1	VOCs, metals	5-Q	{ 12 }	7/28/94	---	No

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TABLE ., continued
POTENTIAL AREAS OF ENVIRONMENTAL CONCERN (PAOCs)
GENERAL MOTORS CORPORATION
NORTH AMERICAN TRUCK PLATFORM
PONTIAC WEST FACILITY

Key:

ASTs: aboveground storage tanks
ATF: automatic transmission fluid
BTEX: benzene, toluene, ethylbenzene and xylenes
PCBs: polychlorinated biphenyls
PNAs: polynuclear aromatics
RCRA: Resource Conservation and Recovery Act of 1976
transf: transformers
USTs: underground storage tanks
VOCs: volatile organic compounds
"---": no photographic documentation

Sources:

{ 1 } General Motors Corp. Plant 1, Western Factory Insurance Assoc., 3/1/34
{ 2 } Wilson Foundry & Machine Co. Plants 1 & 2, Western Factory Insurance Assoc., 9/1/37
{ 3 } Yellow Truck & Coach Mfg Plant 4, Western Factory Insurance Assoc., 10/1/37
{ 4 } General Motors Truck & Coach Plant #1, Factory Insurance Assoc., 3/25/54
{ 5 } GMC Truck & Coach Division Plants 3 & 4, Factory Insurance Association, 12/17/54
{ 6 } General Motors Truck & Coach Plants 3 & 4, Factory Insurance Assoc., 9/15/60
{ 7 } General Motors Corp. Truck & Coach Div. Plant 5, Factory Insurance Assoc., 6/1/37
{ 8 } General Motors Corporation Truck & Coach Plants 3 & 4, Industrial Risk Insurers, 2/1/76
{ 9 } General Motors Corporation Truck & Bus Plant 5, Industrial Risk Insurers, 2/10/87
{ 10 } Site Reconnaissance, 6/28/94
{ 11 } Attachment to Sheet "B", File No. W-8159, NA
{ 12 } Interview with Pat Newkirk, GMC, 7/28/94

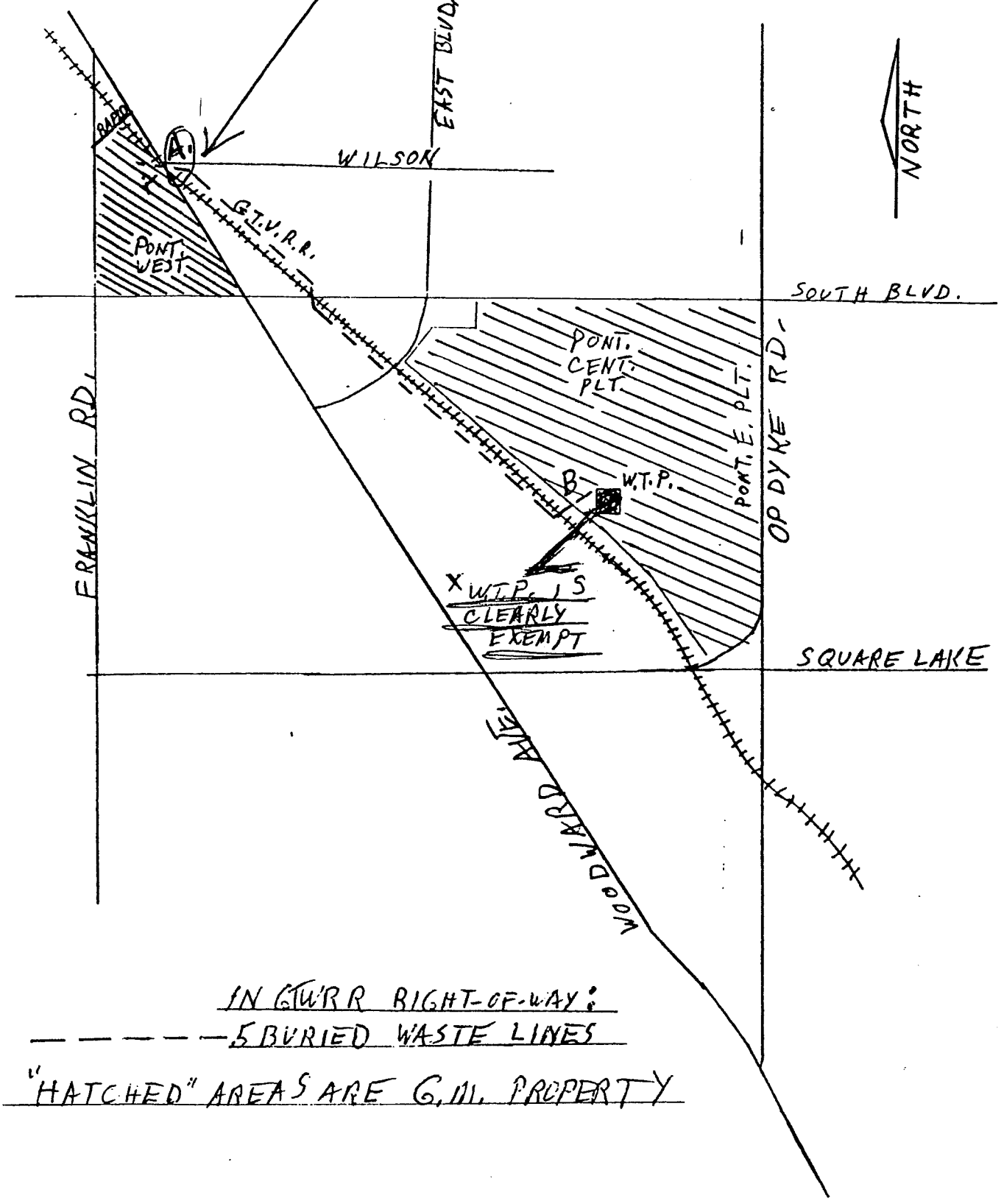
Notes:

1. According to Mr. Alderson, all transformers have been removed from the facility. Documentation concerning the removal, leaks and/or soil testing related to the transformers was not available.
2. Documentation regarding releases, removal, or structural integrity of the USTs listed as PAOCs was available.
3. Plant 1 was demolished in 1985. No environmental assessment was conducted before and/or after the Plant 1 was demolished.

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PONTIAC WEST, AS WELL AS PIPELINES ALONG GTWRR, MAY NOT BE EXEMPT. (SEE 34060, 3rd Col., 2nd Paragraph)

*SEE FR 53 #171, p. 34088, SWM 88-7, ATTACHED.



IN GTWRR RIGHT-OF-WAY:
— — — — — 5 BURIED WASTE LINES

"HATCHED" AREAS ARE G.M. PROPERTY

D.L. CARMICHAE
10-7-88

APPENDIX J

SITE PHOTOGRAPHS



Photo 1: Former tunnel



Photo 2: Plant Area



Photo 3: Chemical Storage Area



Photo 4: Plant Area



Photo 5: Test Cell



Photo 6: Paint Booth Conveyor



Photo 7: Battery Bank



Photo 8: Paint Booth



Photo 9: Wash Bay



Photo 10: Former Paint Mix Room



Photo 11: Building 30



Photo 12: Conveyor Line



Photo 13: Plant Area



Photo 14: Former Equipment Pit



Photo 15: Paint Mix Room



Photo 16: Unknown Pipes



Photo 17: Lift Station



Photo 18: AST Farm



Photo 19: Substation



Photo 20: Former Plant 1 Area (Currently CVO Parking)



Photo 21: Hazardous Waste Storage Building



Photo 22: Hazardous Waste Storage Building



Photo 23: Area north of Building 30 (note lack of vegetation)



Photo 24: Exterior of Building 30