



Report On:

**Phase I Environmental Site Assessment
WSU University Tower Property
Detroit, Michigan**

Prepared for:

**Wayne State University
Detroit, Michigan**

**Project No. :16-030791-00
September 11, 2003**



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September 11, 2003
NTH Proj. No.: 16-030791-00

RE: Report on Phase I Environmental Site Assessment
Wayne State University – University Tower Property
4500 Cass Avenue
Detroit, Michigan

Dear Ms. Ahern:

We are pleased to submit this Phase I Environmental Site Assessment report for the above referenced property. This study was performed at your request in accordance with our accepted proposal and agreement (NTH Proposal No. P-20031171-F) dated July 8, 2003.

We trust that this report provides the information required to evaluate the environmental risks associated with the property and we appreciate the opportunity to assist you with this project. Should you have any questions or require additional information, please call.

Sincerely,

NTH Consultants, Ltd.

Joseph P. Sullivan
Project Geologist

Bhushan C. Modi
Project Consultant

JPS/BCM/dw

Enclosures



**Report on Phase I Environmental Site Assessment
WSU University Tower Property
Detroit, Michigan**

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**Report on Phase I Environmental Site Assessment
WSU University Tower Property
Detroit, Michigan**

1.0 EXECUTIVE SUMMARY

This report presents the results of a Phase I Environmental Site Assessment for the Wayne State University (WSU) University Tower property located at 4500 Cass Avenue, Detroit, Wayne County, Michigan. The property is irregular in shape, approximately 9.6 acres in size, and is currently occupied by a twelve-story apartment building and associated parking lots and landscaped areas.

The Phase I ESA study was performed in general accordance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E 1527-00. This assessment has revealed the following recognized environmental (RECs) conditions in connection with the property:

- Former presence of gas stations;
- Historical underground storage tanks (USTs);
- Former automotive repair shops;
- Former tool & die shops;
- Former printing shops;
- Former oil/water separator associated with past property use;
- Former in-ground hydraulic lifts associated with past uses; and
- The northeast adjacent Mobil gas station is a LUST site, and is likely to impact the subsurface conditions at subject property via migration.



No records were readily available regarding UST, oil/water separator or hydraulic lift removals. In addition, no records were readily available regarding the chemical use, storage and waste disposal practices of the auto repair shops, the tool & die shops, the gas stations or the printing shops. Additionally, no records were available regarding demolitions of the former buildings at the property. The locations of RECs are depicted on the REC Site Plan (Plate 3) in Appendix A.

The Executive Summary is an integral part of the entire report and should not be reviewed separately or utilized as a substitute for a thorough review of the entire report. The Executive Summary omits a number of details, any one of which could be crucial to the proper application of this report. Details on the Phase I ESA are presented in the text of this report.



2.0 INTRODUCTION

NTH Consultants, Ltd. (NTH) was retained by Wayne State University (WSU) – Facilities Planning Management (FPM) to perform a Phase I Environmental Site Assessment (ESA) of the WSU University Tower property located at 4500 Cass Avenue, Detroit, Michigan. A map showing the location of the property is included as Plate 1 in Appendix A.

We conducted this Phase I ESA study in general accordance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E 1527-00, entitled: “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.”

2.1 Purpose

The objective of the Phase I ESA was to provide the user of this report with an independent opinion regarding recognized environmental conditions, if any, associated with the property. According to ASTM Practice E 1527-00, Section 1.1.1, the term *recognized environmental condition* (REC) means 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 structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions.



2.2 Scope of Services

- A visual survey of the property was performed to identify areas of potential environmental concerns or RECs. Color photographs were taken to document site conditions at the time of the site reconnaissance. These photographs are presented in Appendix B and are referenced by number in the text of the report.
- The neighboring properties were visually observed to assess whether surface conditions or activities on these properties may have an adverse environmental impact on the property. An attempt was made to determine the previous uses of the adjacent properties through review of information compiled during the Phase I ESA.
- An approximately 114-year or greater land use history of the property was developed.
- Readily available published information was collected and reviewed relating to general geology, hydrogeology and topographic setting for the property.
- A regulatory agency file search was performed to identify Federal and State-listed sites of known or potential environmental concerns located within the minimum search distances from the property, as specified in the ASTM Practice E 1527-00.
- Local governmental agency personnel were contacted to determine their knowledge of reported environmental incidents at or in the immediate vicinity of the property.
- The information developed during this study was evaluated and this report was prepared.

This assessment did not include any sampling or testing of soil, groundwater, building materials or other on-site materials from the property.



2.3 Significant Assumptions

During the course of this study, various documents and other information published by and obtained from private organizations, as well as Municipal, State and Federal regulatory agencies have been relied upon. No independent verification or confirmation of the accuracy of this information has been performed. Additionally, information provided by the property owner and our client was presumed to be factual, unless written documentation was available indicating otherwise.

2.4 Limitations and Exceptions

The evaluations and opinions presented in this report have been made to assist the client in making a reasonable assessment of risk with respect to the presence of possible environmental concerns at the property. This study has been performed in accordance with a standard of care and diligence, which is considered to be representative of the local environmental engineering practice at the present time.

The evaluations and opinions presented in this report are based on the scope of services defined herein, and should not be misconstrued as evaluations and opinions normally pertaining to a formal environmental compliance audit. The results of this investigation cannot be construed as a certification of the absence of any contaminants on the property, but rather a diligent and prudent review of available data within an established work scope, and time and budgetary constraints.

Limiting conditions encountered during the performance of the Phase I ESA are described in appropriate sections of this report.

2.5 Special Terms and Conditions

The services for this Phase I ESA were performed in accordance with the terms and conditions of the environmental services contract between WSU and NTH.



2.6 Reliance

This report is intended for the exclusive use of Wayne State University. This report presents NTH's opinion of the property as of this date, based on the results of this study and on the information provided during the course of the study. The results of this study may not be relied upon by parties other than those identified above without the prior knowledge and written consent of NTH.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The property is located in the SE ¼ of the NE ¼ and in the NE ¼ of the SE ¼ of Section 6, Township 2 South, Range 12 East, City of Detroit, Wayne County, Michigan. The property is bordered on the north by W. Forest Avenue, on the east by Woodward Avenue, on the south by W. Canfield Avenue, and on the west by Cass Avenue. A map showing the location of the property is presented as Plate 1 in Appendix A.

Based on our discussions with Ms. Fran Ahern of WSU and on our review of City of Detroit Assessors Office records, the subject property consists of seven contiguous parcels discussed below:

Ward / Item No.	Address
2 / 000901-4	66 – 110 W. Canfield Avenue
2 / 000917	51 W. Forest Avenue
2 / 000918-21	101 W. Forest Avenue
2 / 001791-2	4501 Woodward Avenue
2 / 002110	4400 Cass Avenue
2 / 002111	4410 Cass Avenue
2 / 002112	4428 – 4430 Cass Avenue

Copies of the legal descriptions of the parcels, obtained from the City of Detroit on-line assessment page, are included in Appendix A.



3.2 Site Vicinity and Characteristics

The property is located in mixed-use area in the City of Detroit. Residential, commercial, retail and vacant properties are located in the general vicinity of the site. The municipal potable water supply and sanitary sewer systems, as well as the local public utilities (i.e., natural gas and electricity) and the central steam heating system service the area.

3.3 Description of Structures

The building at the property is a twelve-story, slab-on-grade, steel frame, apartment building.

3.4 Current Uses of the Property

The property is used for residential (apartments), institutional (child care center), broadcasting (WDET radio station) and parking lot purposes.

3.5 Current Uses of Adjoining Properties

We conducted a visual survey of the adjacent properties to identify off-site sources that might environmentally impact the subject property. We observed and identified the adjacent properties from the boundaries of the subject property and readily accessible public right-of-ways. Present land use in the immediate vicinity of the property are listed below.

Location	Features	Environmental Concerns
Northwest	Apartment buildings, Cass Café, Islamic Center of Detroit and a parking lot	None observed
North, across W. Forest Ave.	A vacant building, an office building and parking lots	None observed
Northeast	Mobil gas station	Gas station
East, across Woodward Ave.	Two multi-tenant commercial buildings	None observed
Southeast	Whitney Building and vacant commercial building	None observed
South, across W. Canfield Ave.	Parking Lot, WSU CIT Building and a radio antenna tower	None observed
Southwest, across Canfield / Cass	Knickerbocker apartment building	None observed
West, across Cass Avenue	Carrick Apartments, parking lots, WSU library annex and a residential dwelling	

For ease of reference, the locations of adjacent properties are shown on Plate 2 in Appendix A. As indicated in the above table, other than the northeast adjacent Mobil gas station, we did



not observe visual evidence of activities or features on the adjacent properties that might be expected have an adverse environmental impact on the subject property. The Mobil gas station is discussed in Section 5.1 of this report.

4.0 USER PROVIDED INFORMATION

4.1 Title Records

Title records for the property were not provided to us during the current study.

4.2 Environmental Liens

Information regarding environmental liens against the property was not provided by WSU. However, information obtained from Michigan Department of Environmental Quality (MDEQ) – Cost Recovery Unit, indicated that, at the present time, no environmental liens are recorded against the property.

4.3 Specialized Knowledge

None provided to NTH.

4.4 Valuation Reduction for Environmental Issues

NTH is not aware of known valuation reduction of the property for environmental issues.

4.5 Owner, Property Manager and Occupant Information

The property is currently owned and managed by WSU and is occupied by various private individuals (apartments), a childcare center (WSU) and WDET radio station.

4.6 Reason for Performing the Phase I ESA

The reason for performing the Phase I ESA was to provide WSU with an independent evaluation of the environmental risks associated with the subject property.



5.0 RECORDS REVIEW

As part of the current study, we reviewed various records to determine 1) the potential risk to the property from on-site and off-site sources of environmental concern; 2) the local geology and hydrogeology of the area; 3) historical uses of the property; and 4) historical uses of adjacent properties. These records were reviewed to help identify RECs, if any, associated with the property.

5.1 Standard Environmental Record Sources

As part of the current study, we reviewed readily available regulatory information to assess the possible risk for environmental liabilities at the subject property from regulatory action, hazardous material spills, or documented hazardous waste disposal at the subject property or nearby properties (i.e., properties located within ASTM-specified search distances from the subject site). This information was obtained from: (1) a review of information included in the EDR-Radius Map report for the subject property, and (2) a review of information obtained from the local environmental health department (see Section 5.2).

We retained Environmental Data Resources, Inc. (EDR), a private environmental information agency, to perform a regulatory agency database search to evaluate the possible presence of federal and state-listed sites of known or potential environmental concerns that may be located within the minimum search distances from the property. As specified in the Section 7.2.1.1 of ASTM Practice E 1527-00, search distances for various record sources generally range from adjacent sites to sites located up to one mile away. A list of the state and federal databases researched by EDR for the current study, along with the respective search distances and a brief description of each database are presented in the EDR report. For ease of reference, the entire EDR report, dated July 31, 2003, is included in Appendix C of this report.

The EDR report identifies eighty-eight (88) sites of known or potential environmental concern listed in the various State and Federal databases, within the ASTM-recommended search



distances. Fifty-six (56) of the identified sites were plotted on a street map by EDR. The remaining thirty-two (32) sites were listed in the EDR report as “orphan sites.” The orphan sites could not be plotted by EDR on a map due to lack of proper addresses or other pertinent information required for precise computer plotting, and as such could only be located within the city, county or zip code area of the subject property. We note that some of the identified sites are listed more than once, as the site may be identified in more than one database or a particular address may have more than one occupant.

Following our review of the EDR report, we conducted a drive-through reconnaissance of the area to confirm the locations of the plotted sites and to locate the orphan sites. The following EDR-identified sites are located in close proximity (less than one-eighth of a mile) to the property:

- **A J Marshall Building (4400 Cass Avenue):** This site is located at the southwest portion of the subject property (currently a landscaped area). A J Marshall building is listed as a “closed” leaking underground storage tank (LUST) site. Closed LUST sites are those that had contamination associated with the tanks, but were later properly remediated in accordance with regulatory guidelines. Our review of the MDEQ indicates that a confirmed release was discovered during tank removal activities. Various investigations were conducted and soil was found to be contaminated below residential cleanup criteria (unrestricted site use) and no groundwater was encountered. Although this site has impacted the subject property, residual contaminant levels were below residential cleanup criteria.
- **Mobil Oil SS #03-DE7 (4661 Woodward Avenue):** This gas station is located northeast of and adjacent to the subject property. Mobil is listed in the Resource Conservation and Recovery Information System (RCRIS) database as a small-quantity hazardous waste generator (SQG), indicating that they generate, store, treat, or dispose of less than 1,000 Kg of hazardous waste per month. According to the EDR report, there are no violations



reported against this site under RCRIS; therefore, this site would not be expected to have an adverse environmental impact on the property for this listing.

Mobil is also listed as a registered underground storage tank (UST) location and as a leaking UST (LUST) site. Our review of the MDEQ file for this site indicates that three different confirmed releases have been reported at this site, one in 1990, one in 1995 and the final one in 1999. Various investigations were completed in response to the releases and soil and shallow perched groundwater were found to be contaminated. Currently, free product is present at this site, less than 10 feet from the property line and a notice of off-site migration has been filed with MDEQ. Based on our review of available information, we believe that this site has high probability of impacting the subject property, via migration of contaminants.

- **Woodward & Garfield (4454 - 4466 Woodward Avenue):** This site is located immediately east of the property, across Woodward Avenue. This site is listed in the Baseline Environmental Assessment (BEA) database. The BEA database lists sites with environmental contamination at concentrations above generic residential cleanup criteria. Our review of the MDEQ indicates that a BEA was conducted for this site based on the analytical results of one soil sample. Groundwater was not encountered at this site, and there was no off-site migration of contamination. Based on our review of available information, this site would not be expected to have an adverse environmental impact on the subject property.
- **45-57 E. Canfield (45-57 E. Canfield):** This site is located just to the southeast of the property, across Woodward Avenue, and is listed as a registered UST location, with the tanks removed and as a LUST facility. Our review of the MDEQ file for this indicates that various investigations have been conducted and soil was found to be contaminated. Groundwater was not encountered and there was no off-site migration of contaminants.



Based on our review of available information, this site would not be expected to have an adverse environmental impact on the property.

This site is also listed in the BEA database. Based on our review of information for the LUST facility, this site would not be expected to have an adverse environmental impact on the property for the BEA listing.

- **Greenberg Investment Co. (4405 Cass Avenue):** This site, currently occupied by a parking lot, is located immediately west of the property, across Cass Avenue. Greenberg Investment Co. is listed as a registered UST location with the tanks removed and as a “closed” LUST site. Our review of the MDEQ file indicates that a confirmed release was discovered when the USTs were removed. As part of the remediation efforts, 720 cubic yards of contaminated soil were removed for disposal. Groundwater was not encountered. Analytical testing on confirmatory soil samples indicated that presence of residual contamination; however, the contamination was limited to the site, with no off-site migration. Based on our review of available information, this site would not be expected to have an adverse environmental impact on the subject property.
- **Police Dept. Precinct #13 (4747 Woodward Avenue):** This police station is located approximately 200 feet north-northeast of the property and is listed as a RCRIS-SQG, with no recorded violations. This, this site would not be expected to have an adverse environmental impact on the property for this listing.

This site is also listed as a registered UST location, with the tank removed and as a “closed” LUST site. Closed LUST sites are those that have had contamination associated with their leaking USTs properly remediated in accordance with regulatory guidelines. We reviewed the MDEQ file for this site, which indicates that soil contamination associated with the leaking tank was limited to the site itself and was below Tier 1 residential cleanup criteria (unrestricted site use) and groundwater was not encountered.



The site was closed under a Tier 1 residential closure. Based on our review of available information, this site would not be expected to have an adverse environmental impact on the subject property for this listing.

- **Detroit Public Schools (444 W. Willis):** The site is located approximately 270 feet west-southwest of the subject property, is currently vacant and now owned by WSU. DPS is listed as a RCRIS-SQG, with no recorded violations. Therefore, this site is not be expected to have an adverse environmental impact on the subject property for this listing.

This site is also listed as a registered UST location and as a LUST facility. We note that prior to WSU's acquisition of this site, the USTs were emptied of residual product. We requested to review the MDEQ file for this site; however, MDEQ staff indicated that MDEQ did not have a file for the site. However, based on the findings of NTH's investigations at this site (i.e., soil contamination, no aquifer and no off-site migration) prior to WSU's acquisition, this site would not be expected to have an adverse environmental impact on the subject property for this listing.

- **Canfield Lofts (460 W. Canfield):** This site is located approximately 325 feet west of the property and is listed as a RCRIS-SQG. According to the EDR report, two RCRIS violations were recorded against this site in 1992; however, the violations were brought into compliance in 1993. Therefore, this site would not be expected to have an adverse environmental impact on the property for this listing.

Canfield Lofts is also listed in the BEA database. Our review of the MDEQ file indicates that a limited amount of soil contamination was discovered at the northwest portion of this site. Groundwater was not encountered and there was no off-site migration. Based on our review of available information, this site would not be expected to have an adverse environmental impact on the subject property.



- **Hancock Center (Hancock Avenue & Cass Avenue):** This site is located an estimated 400 feet north-northwest of the property and listed as a registered UST site, with the tank removed and as a LUST site. Our review of the MDEQ file for this site indicates that a confirmed release was discovered on November 11, 2000 due to the presence of odors in the soil around the tank. No other information was available. Based on the prevailing subsurface conditions in the area (i.e., clay soils and lack of shallow groundwater), we would not anticipate that this site would have an adverse environmental impact on the subject property.
- **Cathedral Community Services (43 – 59 Garfield):** This site is located approximately 400 feet east of the property and is listed in the BEA database. Our review of the MDEQ file for this site indicates that soil contamination was discovered at the site during an environmental site assessment. However, no groundwater was encountered and there was no off-site migration of contaminants. Based on our review of the MDEQ file, this site would not be expected to have an adverse environmental impact on the subject property.

The remaining EDR-identified sites are located more than one-eighth of mile away; thus, based on the considerable distances and the prevailing subsurface conditions in the area (i.e., generally clay soils and lack of a shallow aquifer), none of these sites would be expected to have an adverse environmental impact on the subject property.

5.2 Additional Environmental Record Sources

We obtained information from other sources to determine if there were any environmental concerns associated with the property.

Local Health Department

Information obtained from Mr. Paul Max of the City of Detroit Health Department Community & Industrial Hygiene Division indicated that no known landfill sites are located



within one-half mile of the property. Additionally, Mr. Max indicated that, there were no available records indicating incidents of environmental concern at the property.

Detroit Fire Department

Additionally, we reviewed the City of Detroit Fire Department files for the property. Our review indicates that there have been no incidents of environmental concern (i.e., spills or hazardous materials responses) recorded at the property. Other information from the Fire Department regarding USTs is presented later in this report.

5.3 Physical Setting Sources

We determined the physical setting sources for the property based on a review of readily available published information and visual observations made during site survey. As described in the following subsections, the physical setting includes topography, soil general geology, hydrology, hydrogeology, and related attributes.

5.3.1 Topography

We obtained general topographic information for the property from the 1983 USGS “Detroit, Michigan” topographic map. According to these maps, the property exhibits a level surface topography, with a USGS elevation of approximately 625 feet above mean sea level.

5.3.2 Soil

The USDA *Soil Survey of Wayne County, Michigan* does not cover the subject property, since it is located within the City of Detroit. However, the soils at the property are expected to consist of thick sequences of clay, occasionally overlain by granular deposits and/or fill materials.

5.3.3 Geology

According to published sources of generalized subsurface information, the geology of the area is characterized by about 125 to 175 feet of non-homogeneous glacial deposits consisting of



lacustrine clays and silts. Underlying these glacial deposits is the Devonian-aged Dundee Limestone bedrock formation.

5.3.4 Hydrology

No surface water bodies were observed at or in the immediate vicinity (i.e., adjacent) of the property. According to the EDR report, which searched the FEMA flood zone database, the property is not located in a 100-year or 500-year flood zone.

5.3.5 Hydrogeology

Groundwater in the area is generally present in both the glacial deposits and in the underlying bedrock. However, shallow groundwater in the area of the property is expected to be erratic and almost negligible due to the high clay content of the glacial soils. Intermittent accumulation of perched water may be encountered where granular soils or fill materials overlie the clay. A hydrogeologic investigation would be required if it is desired to determine depth to groundwater and groundwater flow direction at the property.

5.3.6 Oil and Gas Wells

According to information provided in the EDR report (Appendix C), no oil or gas wells are located at or in the immediate vicinity of the property.

5.4 Historical Use Information on the Property

In accordance with ASTM E 1527-00, a historical search was conducted to determine the previous uses of the property. Only historical sources, which could be reasonably ascertained and judged likely to be useful, were obtained and reviewed during the current study. The following sections present the results of the historical searches conducted during this study.

5.4.1 Information Provided By Current Property Owner

The property is currently owned by WSU. Information regarding the past uses of the property was determined from information provided by WSU and during our site reconnaissance when



we interviewed Mr. Allen Johnson, who identified himself as the manager of University Tower.

According to available information and Mr. Johnson, WSU acquired the parcels that comprise subject property during the late 1980s and the early 1990s. The parcels were generally vacant at the time of WSU's acquisition. Prior to that, the property had been occupied by a Vernor's ginger ale facility and other commercial buildings. The existing University Tower building was constructed in 1995. No other historical use information was available.

5.4.2 Local Governmental Agency Record

We visited the City of Detroit Assessors Office and Building and Safety Engineering Department - Mechanical & Heating Division (M&HD) for storage tank permits, and Fire Department to review records pertaining to previous uses of the property. Our review indicated the following:

Ward / Item No. 2 / 000901-4

Assessors Office	Mechanical & Heating Division	Fire Department
Acquired in 1989 by WSU and currently a parking lot	220-gallon AST in basement at 94 W. Canfield (09/30/1936)	1931 – two story parking garage; no access to 2 nd floor for cars at 68 W. Canfield
Previously occupied by a two-story building with a basement that was constructed in 1928. Heated by central steam system	275-gallons AST in basement at 104 W. Canfield (06/01/1949)	05/23/1928 – 550-gallon UST below basement of building at 80 W. Canfield 1953 – 500-gallon UST at rear of building permanently out of use at 80 W. Canfield 06/07/1954 – UST removed from below floor of building at 80 W. Canfield (James Vernor Co.)



Ward / Item No. 2 / 000917

Assessors Office	Mechanical & Heating Division	Fire Department
<p>Acquired by WSU in 1989; currently a parking lot</p> <p>Building demolished in 1992</p> <p>Former building at property constructed in 1912 with an addition in 1925; heated by central steam system</p> <p>Used for food catering in 1985</p>	<p>No information</p>	<p>1976 – Prestige Collision repair garage</p> <p>1981 – Campus Collision repair garage</p> <p>1982 to 1986 – Donny’s Catering</p> <p>1989 – building vacant & secure</p>

Ward / Item No. 2 / 000918-21

Assessors Office	Mechanical & Heating Division	Fire Department
<p>Acquired by WSU in 1989; currently a parking lot</p> <p>1954 – site was a gas station, with one 1,000-gallon and two 5,000-gallon USTs</p>	<p>No information</p>	<p>No file</p>

Ward / Item No. 2 / 001791-2

Assessors Office	Mechanical & Heating Division	Fire Department
<p>Acquired by WSU in 1989; currently occupied by WSU</p> <p>Previously occupied by Vernors beginning in 1953</p> <p>Prior to Vernors, property was occupied by convention hall and stores</p> <p>Building was demolished in 1987</p>	<p>1925 – 1946: numerous ASTs in basements or 1st floor of stores at 4444 – 4606 Cass Avenue and 4635 Woodward Avenue</p> <p>8/17/1967 – one 6,000-gallon UST at 4501 Woodward</p>	<p>8/19/1916 – garage building built in 1914 for Barton Auto Top Co at 4445 Woodward Ave.</p> <p>03/06/1915 – Detroit Auto Service Station (gas station) at 4453 Woodward Ave., with one 1,570-gallon, one 1,100-gallon and one 1,000-gallon USTs</p> <p>1916 – Central Oil Co. at 4453 Woodward Ave.</p> <p>1917 – Sinclair Refining co. at 4453 Woodward Ave.</p> <p>12/06/1950 – inspection reveals no evidence (i.e., fill ports or vents) of USTs at 4453 Woodward Avenue (currently part of convention hall)</p> <p>03/26/1936 – inspection at 4446 Cass Avenue, Thompson Auto</p>



		<p>Sales new garage; one UST with no information on size, contents or location</p> <p>10/16/1963 – inspection of installation of one 1,000-gallon and two 5,000-gallon gasoline USTs at 4501 Woodward Ave. for Vernor's Company. Based on sketch, tanks are actually located at Ward / Item No. 2 / 000918-21 on Forest Avenue</p> <p>08/23/1967 – inspection of installation of one 6,000-gallon diesel fuel UST to replace 1,000-gallon gasoline UST at 4501 Woodward Ave.</p> <p>01/31/1986 – property sold to Shula, Inc. USTs out of use at 4501 Woodward Ave.</p> <p>02/03/1987 – building vacant and closed at 4501 Woodward Ave.</p> <p>03/1988 – USTs removed at 4501 Woodward Ave.</p>
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Ward / Item No. 2 / 002110

Assessors Office	Mechanical & Heating Division	Fire Department
<p>Currently WSU parking</p> <p>1935 – gas station sales and service with two 1,000-gallon and two 550-gallon tanks</p>	<p>No information</p>	<p>02/13/1919 – oil/water separator in garage at rear of 124 W. Canfield</p> <p>11/30/1934 – inspection of gas station with two 1,000-gallon, two 500-gallon gasoline and one 280-gallon alcohol USTs</p> <p>04/06/1943 – inspection of gas station with two 1,000-gallon, two 500-gallon gasoline, one 280-gallon alcohol and one 250-gallon waste oil USTs; also three hydraulic lifts</p> <p>1946 – two 1,000-gallon and two 500-gallon USTs filled with water</p> <p>1948 – frame alignment pit installed</p>



		<p>1951 – USTs filled with sand</p> <p>1955 – USTs removed; property used for sales of restaurant supplies. This use continues through at least 1989.</p> <p>1993 – building vacant and secured</p> <p>1995 – 2003 various inspection of University Tower Apartments at 4550 Cass Avenue</p>
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Ward / Item No. 2 / 002111

Assessors Office	Mechanical & Heating Division	Fire Department
<p>Acquired by WSU in 1994; currently part of University Tower site</p> <p>One and two-story office and garage building built in 1948 central steam heat</p>	No records	No file

Ward / Item No. 2 / 002112

Assessors Office	Mechanical & Heating Division	Fire Department
<p>Acquired by WSU in 1989; currently part of WSU University Tower site</p> <p>Previously occupied by a two-story building of stores and lofts which was built in 1926; heated by central steam heat</p>	02/21/1940 – heated with 5-gallon attached tank and 110-gallons additional storage (i.e., AST or two drums)	08/16/1922 – inspection of installation of one 2,000-gallon gasoline UST, below floor at rear of building at 4430 Cass Avenue

5.4.3 City Directories

We reviewed historic address directories in five-year intervals dating back to 1946 (i.e., the date of the earliest directory) for the current and past property addresses (as determined through a review of Sanborn fire insurance maps) at the Bressers Company in Detroit to determine past property occupants for the known property addresses. Our review indicates that the property has been occupied by various residential and commercial entities dating back



to at least 1946. The following past property occupants identified in the directories are considered to be occupants of potential environmental concern:

- Cass – Canfield Garage (104 W. Canfield)
- Sealed Power Corp.; Precision Crankshaft; Precision Service, Inc.; Guardian Collision; Campus Collision (51 W. Forest)
- Engineering Industries (4465 Woodward)
- Corry-Jamestown Manufacturing Co.; Edlund Tool Co. shop (4477 Woodward)
- Douglas Tool Co.; Cook Engineering Co.; Screw Machine Products; Staten Engineering Co. (4607 Woodward)
- Ampco Metal, Inc. (4613 Woodward)
- Newcomb Tool Manufacturing Co. (4623 Woodward)
- Ford Motor Service Dept. (4400 Cass)
- Piston Service Co. (4430 Cass)
- Aaron DeRoy Motor Car (4444 Cass)
- Market Forge Co.; Orangeville Manufacturing Co.; Ross Carrier Industrial; Truck Man, Inc. Industrial; Lusk Industrial; Erickson Power Lift Truck (4474 Cass Avenue)
- Arc Equipment Corp.; Arrow Tools, Inc.; Carlson Engineering Co.; Ettco Tool Co.; OK Tool Co., Inc.; Apex Tool & Cutter; Charles Kocsis Tools; Carl Miller Motors; Marathon Electric Manufacturing; William Peck Tools (4484 Cass)
- Continuous Imprinting Service (4490 Cass)
- Printing Service, Inc. (4498 Cass)

No details on the actual on-site activities, including chemical use, storage and waste disposal practices, by the above occupants could be readily determined during the current study.

5.4.4 Sanborn Fire Insurance Maps

NTH retained EDR to conduct a search of Sanborn fire insurance maps for the subject property. Insurance companies to assess fire risks primarily use Sanborn maps, and when



available for a particular property can provide relevant information about the history of the property.

Eleven maps, dated 1889, 1897, 1919, 1921, 1950, 1953, 1957, 1961, 1977, 1988, and 1991, which cover the property, were provided by EDR. Copies of the available maps are included in Appendix D. Our review indicates the following:

Year	Property Features	Environmental Concerns
1889	Ten residential dwellings and associated outbuildings; vacant lots; and Detroit Athletic Club, including a race track, a clubhouse, a bowling alley, a grandstand and a gymnasium (under construction)	None noted
1897	Ten residential dwellings and associated outbuildings; vacant lots; and Detroit Athletic Club, including a bicycle race track, a clubhouse, a bowling alley, a grandstand and a gymnasium	None noted
1919	Eleven residential dwellings and associated outbuildings; abandoned Detroit Athletic Club; unidentified commercial building; a movie theater; a multi tenant building with stores and an automobile top manufacture; and a gas station	Automobile top manufacture and gas station
1921	Ten residential dwellings and associated outbuildings; a private school (converted house); Grindley Athletic Field; a print shop; an auto repair shop; a movie theater with stores; a multi-tenant building with stores and an auto repair shop; a used car storage building; a used car lot; an auto trimming and painting shop; and a gas station	Print shop; auto repair shops; auto painting shop; and gas station
1950	Convention hall with numerous stores and shops, including printing and an auto service station; a movie theater; four residential dwellings and associated outbuildings; a club hall (former house); a used car and auto repair shop; a gas station; an auto service shop; a commercial building with a store and a machine shop on 2 nd floor; and a commercial building with painting and upholstery	Auto service / repair; gas station; printing shop; painting shop;
1953	Convention hall building (not identified as convention hall) with numerous stores, including printing and an auto service station; auto repair shop; residential dwelling; club hall; commercial building with a store and a machine shop on 2 nd floor; parking lots; a private garage with a gas station; and a commercial building with painting and upholstery	Auto service / repair; gas station; printing shop; painting shop
1957	James Vernor Company (ginger ale) in converted convention hall building; a private gas station; a vacant building; an equipment warehouse; numerous stores, including a print shop; and a sales office	Gas station and printing shop
1961	James Vernor Company (ginger ale) in converted convention hall building; a private gas station; a warehouse building; an equipment warehouse; numerous stores, including a print shop; and a sales office	Gas station and printing shop
1977	James Vernor Company (ginger ale) in converted convention hall building; a private gas station; an auto body repair shop; an equipment warehouse; numerous stores, including a print shop; and a sales office	Gas station; printing shop; and auto body repair
1988	Vacant land, except for auto body repair shop and equipment warehouse	Auto body repair
1991	Vacant land, except for equipment warehouse	None noted



As indicated the property was occupied by various residential and commercial buildings from at least 1889 through the early 1990s. Numerous environmental concerns were identified on the Sanborn maps, including gas stations, auto repair shops, printing shops; and painting shops. These past uses are considered to be RECs at the property.

5.4.5 Aerial Photographs

We obtained copies of historical aerial photographs dated 1937, 1957, 1972, 1985, 1993 and 2000 from EDR. We reviewed these aerial photographs to determine past uses and changes in surface features that might indicate possible environmental concerns. The aerial photographs have scales ranging from approximately 1 inch = 556 feet to 1 inch = 667 feet; thus, not all surface features were visible on the photographs. Our review of the available aerial photographs indicates the following past property uses:

Year	Scale	Property Features
1937	1" = 556'	Convention hall building with several smaller buildings
1957	1" = 556'	Vernor's building with several smaller buildings and parking lots
1972	1" = 606'	Vernor's building with several smaller buildings and parking lots
1985	1" = 667'	Vernor's building with several smaller buildings and parking lots
1993	1" = 606'	Vacant land, except for a commercial building at the southeast corner
2000	1" = 667'	Existing University Tower building, surrounded by parking lots

The referenced aerial photographs do not reveal any past features or activities that would be indicative of potential environmental concerns at the property.

5.4.6 USGS Topographic Maps

We reviewed historical USGS "Detroit, Michigan" topographic maps dated 1936, 1941, 1952, 1968, 1973, and 1980 to determine past uses of or changes in the property. The referenced maps show a large building at the property identified as Convention Hall. The referenced maps do not depict features indicative of potential environmental concerns on the property.



5.4.7 Past Use Summary

The historical research to determine the past uses of the property was conducted in accordance with ASTM Practice E 1527-00. Data gaps of more than five years were encountered during the historical research (i.e., data failure).

Based on the compiled information, the existing building on the property was constructed in 1995. Prior to that, the property was used for commercial, retail, beverage packaging, recreational and residential purposes dating back to at least 1889.

Numerous RECs were identified during the historical research. These RECs include the past presence of gas stations, underground storage tanks, automotive repair shops, tool & die shops and printing shops at various locations at the property.

5.5 Historical Use Information on Adjoining Properties

We determined the past land uses of adjacent properties, through our review of the previously referenced historical Sanborn maps and aerial photographs. Our review indicates the following past neighboring property uses:

Year	Source	Northwest	North	Northeast	East
1889	Sanborn	Vacant land	No coverage	Residential dwelling	Vacant land
1897	Sanborn	Residential dwellings	No coverage	Residential dwelling	No coverage
1919	Sanborn	Residential dwellings	No coverage	Stores and used auto sales building	No coverage
1921	Sanborn	Residential dwellings	No coverage	Stores, houses and roller skating rink	No coverage
1937	Aerial	Residential dwellings	Commercial and residential buildings	Commercial buildings	Commercial buildings
1950	Sanborn	Residential dwellings and stores	No coverage	Dance hall and stores	No coverage
1953	Sanborn	Residential dwellings and stores	No coverage	Dance hall and stores	No coverage
1957	Aerial	Residential and commercial buildings	Commercial buildings and parking lots	Commercial buildings	Commercial buildings



1957	Sanborn	Residential dwellings and stores	No coverage	Dance hall and stores	No coverage
1961	Sanborn	Residential dwellings and stores	No coverage	Warehouse and stores	No coverage
1972	Aerial	Residential and commercial buildings	Commercial buildings and parking lots	Commercial buildings	Commercial buildings
1977	Sanborn	Residential dwellings and stores	No coverage	Gas station and a store	No coverage
1985	Aerial	Residential and commercial buildings	Commercial buildings and parking lots	Commercial buildings	Commercial buildings
1988	Sanborn	Residential dwellings and stores	No coverage	Gas station and a store	No coverage
1991	Sanborn	Residential dwellings and stores	No coverage	Gas station	No coverage
1993	Aerial	Residential and commercial buildings	Commercial buildings and parking lots	Commercial building	Commercial buildings
2000	Aerial	Residential and commercial buildings	Commercial buildings and parking lots	Commercial building	Commercial buildings

Year	Source	Southeast	South	Southwest	West
1889	Sanborn	Vacant land	Residential dwellings	No coverage	No coverage
1897	Sanborn	Residential dwellings	No coverage	No coverage	No coverage
1919	Sanborn	Residential dwellings	No coverage	No coverage	No coverage
1921	Sanborn	Residential dwellings	No coverage	No coverage	No coverage
1937	Aerial	Commercial and residential buildings	Commercial and residential buildings	Residential dwelling	Commercial and residential buildings
1950	Sanborn	Wayne County Medical Society club house and a furniture repair shop	No coverage	No coverage	No coverage
1953	Sanborn	Wayne County Medical Society club house and a furniture repair shop	No coverage	No coverage	No coverage
1957	Aerial	Commercial buildings	Commercial buildings	Residential dwelling	Commercial buildings
1957	Sanborn	Wayne County Medical Society club house and a furniture repair shop	No coverage	No coverage	No coverage
1961	Sanborn	Wayne County Medical Society club house and a furniture repair shop	No coverage	No coverage	No coverage



1972	Aerial	Commercial buildings	Commercial buildings	Residential dwelling	Commercial buildings
1977	Sanborn	Wayne County Medical Society club house and a furniture repair shop	No coverage	No coverage	No coverage
1985	Aerial	Commercial buildings	Commercial buildings	Residential dwelling	Commercial buildings
1988	Sanborn	Wayne County Medical Society club house and a commercial building	No coverage	No coverage	No coverage
1991	Sanborn	Wayne County Medical Society club house and a commercial building	No coverage	No coverage	No coverage
1993	Aerial	Commercial buildings	Commercial buildings	Residential dwelling	Commercial buildings
2000	Aerial	Commercial buildings	Commercial buildings	Residential dwelling	Commercial buildings

Other than the northeast adjoining gas station (1977 and later), none of the adjacent property uses identified on the Sanborn maps and aerial photographs would be expected to have an adverse environmental impact on the property. As discussed in Section 5.1, this northeast adjacent gas station has a potential to impact the subject property, via migration of petroleum contaminants through perched water and upper fill soils.

6.0 SITE RECONNAISSANCE

As part of the current study, a site reconnaissance of the property was conducted to observe for surface features indicative of potential environmental concerns.

6.1 Methodology and Limiting Conditions

Mr. Joe Sullivan of NTH performed a visual survey of the property on August 14, 2003. Mr. Allan Johnson of WSU provided access to the property. During the survey, the property was observed for evidence of potential environmental concerns or RECs such as stressed



vegetation, stained surface soil, and improper waste disposal practices. Furthermore, land use in the immediate vicinity of the property was also determined.

The visual survey was conducted by walking the perimeter of, randomly traversing the property. No limiting conditions were encountered during the site reconnaissance, except the following:

- We did not access the roof of the building;
- The presence of numerous parked cars limited observations of the ground surface;
- We did not access occupied apartment units;
- We accessed only a few vacant apartment units; and
- We could not access the childcare center or WDET radio station portions of the building.

6.2 General Site Setting

The property is located in a mixed-use area of Detroit, Michigan. The approximate configuration of the property, along with prominent surface features observed by NTH during the recent site visit, are shown on the Site Plan (Plate 2) included in Appendix A. This plan was prepared from information provided by WSU; from a 2000 aerial photograph of the property and from visual observations made during the site reconnaissance. NTH's site plan should be considered preliminary and should not be used as a legal survey. Color photographs of the property taken during visual survey are included in Appendix B.

6.3 Exterior Observations

As part of the current study, a visual survey was made of the exterior portions of the property.

6.3.1 General Observations

The property is irregular in shape, approximately 9.6 acres in size, and is currently occupied by a twelve-story, high-rise apartment building, paved and gravel-covered parking areas and associated landscaped areas. (Photographs 1 through 8). We observed a series of storm water



catch basins at the paved portions of the property. We did not observe visual evidence of spills or stains or unusual odors near the catch basins.

We observed a back-up generator on the property at the approximate location depicted on the Site Plan (Plate 2; and Photograph 9). According to Mr. Johnson, this generator is diesel fuel-powered and the diesel fuel is stored in a 400-gallon tank, which is self-contained within the generator unit. We did not observe visual evidence of fuel leakage from this generator.

No visual evidence of RECs at the property was noted during our site reconnaissance.

6.3.2 Storage Tanks

No visual evidence (i.e., vent pipes, fill ports) of the presence of underground or aboveground storage tanks (USTs or ASTs) was noted at property. Mr. Johnson indicated that he was unaware of any USTs or ASTs at the property.

We reviewed City of Detroit Assessors, Building and Safety Engineering Mechanical and Heating Division, and Fire Department Records for USTs and ASTs at the site. The available records indicate that numerous ASTs and USTs previously existed at the property.

The ASTs were generally used for storing heating oil and were located in the basements or on the first floor of various buildings and/or tenant spaces. No other information regarding the removals of the ASTs was available.

The available records indicate the following USTs were located at the property:



Location	Tank Size	Contents	Date of Installation	Date of Removal
101-151 W. Forest	Two 5,000-gallon 1,000-gallon 6,000-gallon	Gasoline Gasoline Diesel fuel	October 1953 October 1953 August 1967	March 1988 August 1967 March 1988
4400 Cass	Two 1,000-gallon Two 550-gallon 280-gallon 250-gallon	Gasoline Gasoline Alcohol Waste Oil	1934 or earlier	June 1955
4444 Cass	2,000-gallon	Gasoline	August 1922	Unknown
4446 Cass	Unknown	Unknown	Prior to March 1923	Unknown
80 W. Canfield	500-gallon	Gasoline	Unknown	June 1954
4453 Woodward	One 1,500-gallon Two 1,000-gallon	Gasoline Gasoline	1915	Unknown

The above-listed USTs with no removal or closure records are RECs at the property. We note that the USTs at 4444 and 4446 Cass may be the same tank, as one building shared more than one address.

In addition, the Fire Department records also indicated the presence of the following:

- An oil/water separator in the garage behind 124 West Canfield Avenue (February 1919);
and
- Three in-ground hydraulic lifts at 4400 Cass Avenue (April 1943).

No additional information regarding these features was available. The oil/water separator and the hydraulic lifts are RECs, due to their possible use with automotive repair or similar activities.

6.3.3 Polychlorinated Biphenyls (PCBs)

During the visual survey, the subject property was surveyed for the presence of liquid-cooled electrical units, such as transformers and capacitors. These types of units are of possible



concern because they may be potential PCB sources. PCB units may subject the owner/operator to various regulatory requirements under Toxic Substances Control Act (TSCA). The release of PCB fluids or their combustion products (in case of spill or fire) are potential environmental liabilities and may require costly remediation.

We observed two pad-mounted and four platform electrical transformers, owned by DTE Energy Company (DTE) or Detroit Public Lighting Department (PLD), on the property at the approximate locations depicted on the Site Plan (Plate 2). The transformers appeared to be in good condition, with no evidence of leakage. No signs or placards indicating whether or not the transformer contained PCBs were visible on the units. The two-pad mounted transformers were installed in 1995, thus, the likelihood of these units being “PCB transformers” is considered to be low.

Previous information obtained from DTE and PLD had indicated that DTE-owned and PLD-owned transformers are generally non-PCB, but that in the event of a spill from a transformer, DTE or PLD would be responsible for appropriate repair and cleanup, regardless of the PCB status of the transformer. In their current use and condition, the noted transformers would not be expected to have an adverse environmental impact on the property.

6.4 Interior Observations

As part of the current study, a walk-through survey of the accessible portions of the existing building was performed to observe interior conditions. The building was occupied as an apartment building, with a day care center (no access) and WDET radio station (no access) at the time of our visual survey.

6.4.1 General Observations

The building is a slab-on-grade, twelve-story, steel frame structure. The building is connected to the municipal potable water supply and sanitary sewer systems and the local public utilities (i.e., natural gas and electricity). The building is heated by the DTE central steam system.



We observed floor drains, which are connected to the sanitary sewer system, at various locations throughout the building. We did not observe unusual staining or odors near these floor drains.

The 1st floor of the building is divided into an entryway / lobby, a reception area, offices, a loading dock/receiving area, a security office, a laundry room, computer room, mechanical room, a pump room, and restrooms (Photographs 10 through 13). A childcare center and WDET radio station are also located on the 1st floor; however, we were not provided access to these areas during our visual survey. A general refuse dumpster, serviced by Republic Waste Services, and connected to a hydraulic compactor, was observed in interior the loading dock. We did not observe evidence of material spillage or leakage from this dumpster or from the compactor. According to Mr. Johnson, this compactor has leaked a few times in the past; however, immediately after each leak, the WSU Environmental Health & Safety Department responded to the site to clean up the spill.

The 2nd through 11th floors of the building are divided into central hallways and 30 apartment units, along with maintenance storage areas, a janitors closet and a communications room (Photographs 14 through 16). The apartment units are one, two or three bedrooms, with kitchen, living room and bathrooms.

The 12th floor (partial) contains HVAC equipment and the elevator control room. Cable operated elevators are located in the building.

As would be expected, we observed various sized containers of general maintenance chemicals, paints and related materials and HVAC chemicals stored at various locations throughout the building. The observed chemicals were noted to be neatly stored, with no visual evidence of leakage or spillage from the containers. In their current use and condition, the noted chemicals would not be expected to have an adverse environmental impact on the property.



We did not observe visual evidence of RECs in the accessible areas of the building.

7.0 INTERVIEWS

As part of the current study, interviews were conducted with various individuals to determine historical uses of the property and to determine environmental concerns associated with the property.

7.1 Interview with Owner

Mr. Johnson was unaware of any environmental concerns associated with the property. Other information provided by Mr. Johnson is included in appropriate sections of this report.

7.2 Interview with Site Manager

See Section 7.1.

7.3 Interviews with Occupants

Residents of University Tower were not available for interview during our Phase I ESA.

7.4 Interviews with Local Government Officials

Information obtained from local government offices is described in appropriate sections throughout this report.

8.0 CONCLUSIONS

This Phase I Environmental Site Assessment of the WSU University Tower property was performed in general conformance with the scope and limitations of ASTM Practice E 1527-00. Any exceptions to, or deletions from, this practice is described in appropriate sections throughout this report. This assessment has revealed no evidence of RECs at the property, except the following:

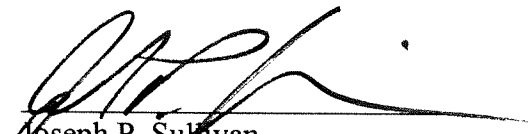


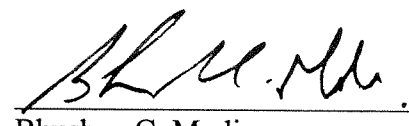
- Former presence of gas stations;
- Historical underground storage tanks (USTs);
- Former automotive repair shops;
- Former tool & die shops;
- Former printing shops;
- Former oil/water separator associated with past property use;
- Former in-ground hydraulic lifts associated with past uses; and
- The northeast adjacent Mobil gas station is a LUST site, and is likely to impact the subsurface conditions at subject property via migration.

No records were readily available regarding UST, oil/water separator or hydraulic lift removals. In addition, no records were readily available regarding the chemical use, storage and waste disposal practices of the auto repair shops, the tool & die shops, the gas stations or the printing shops. Additionally, no records were available regarding demolitions of the former buildings at the property. The locations of RECs are depicted on the REC Site Plan (Plate 3) in Appendix A.

9.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

The field investigation for the Phase I ESA was performed by Mr. Joseph P. Sullivan of NTH Consultants Ltd. The Phase I ESA report was authored by Mr. Sullivan and was reviewed by Mr. Bhushan C. Modi of NTH Consultants, Ltd.

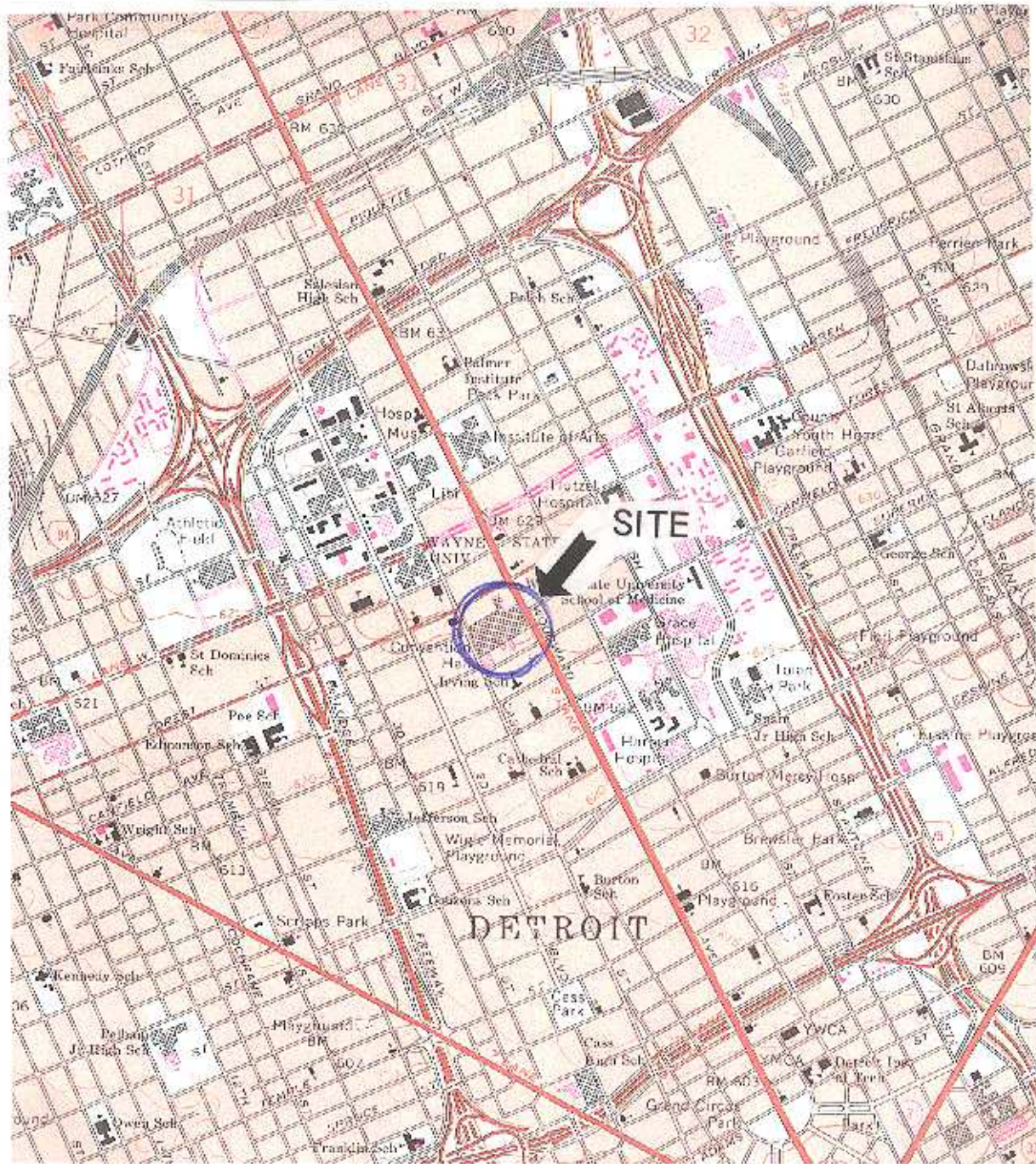

Joseph P. Sullivan
Project Geologist


Bhushan C. Modi
Project Consultant

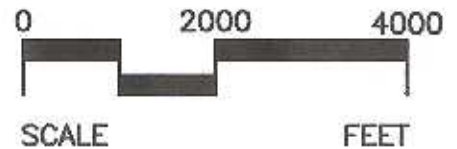


APPENDIX A

**Site Location Plan, Plate 1;
Site Plan, Plate 2; Site Plan Showing Areas
of Environmental Concern, Plate 3; and
Legal Description**



ADAPTED FROM USGS "DETROIT, MICHIGAN"
TOPOGRAPHIC QUADRANGLE, 1980.



PROJECT NO. 16-030791-00	LOCATION: WSU UNIVERSITY TOWER PROPERTY 4500 CASS AVENUE DETROIT, MI	TITLE: SITE LOCATION	DATE: 09-11-03
SCALE: AS SHOWN	 NTH Consultants, Ltd. Professional Engineering & Environmental Services Farmington Hills · Detroit · Exton · Grand Rapids · Lansing	SHEET 1 OF 1	
DRAWN BY: JD		PLATE NO: 1	
CHECKED BY: JPS			

J:\16\030791\001.cwg
09-11-03



NTH Consultants, Ltd.
 Professional Engineering & Environmental Services
 Farmington Hills Detroit Easton Grand Rapids Lansing

PROJECT NO.
16-030791-00
 SCALE:
AS SHOWN
 DRAWN BY:
JD
 CHECKED BY:
JPS

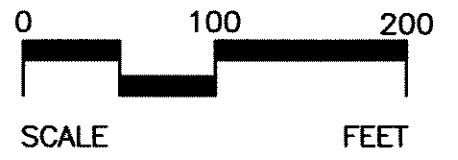
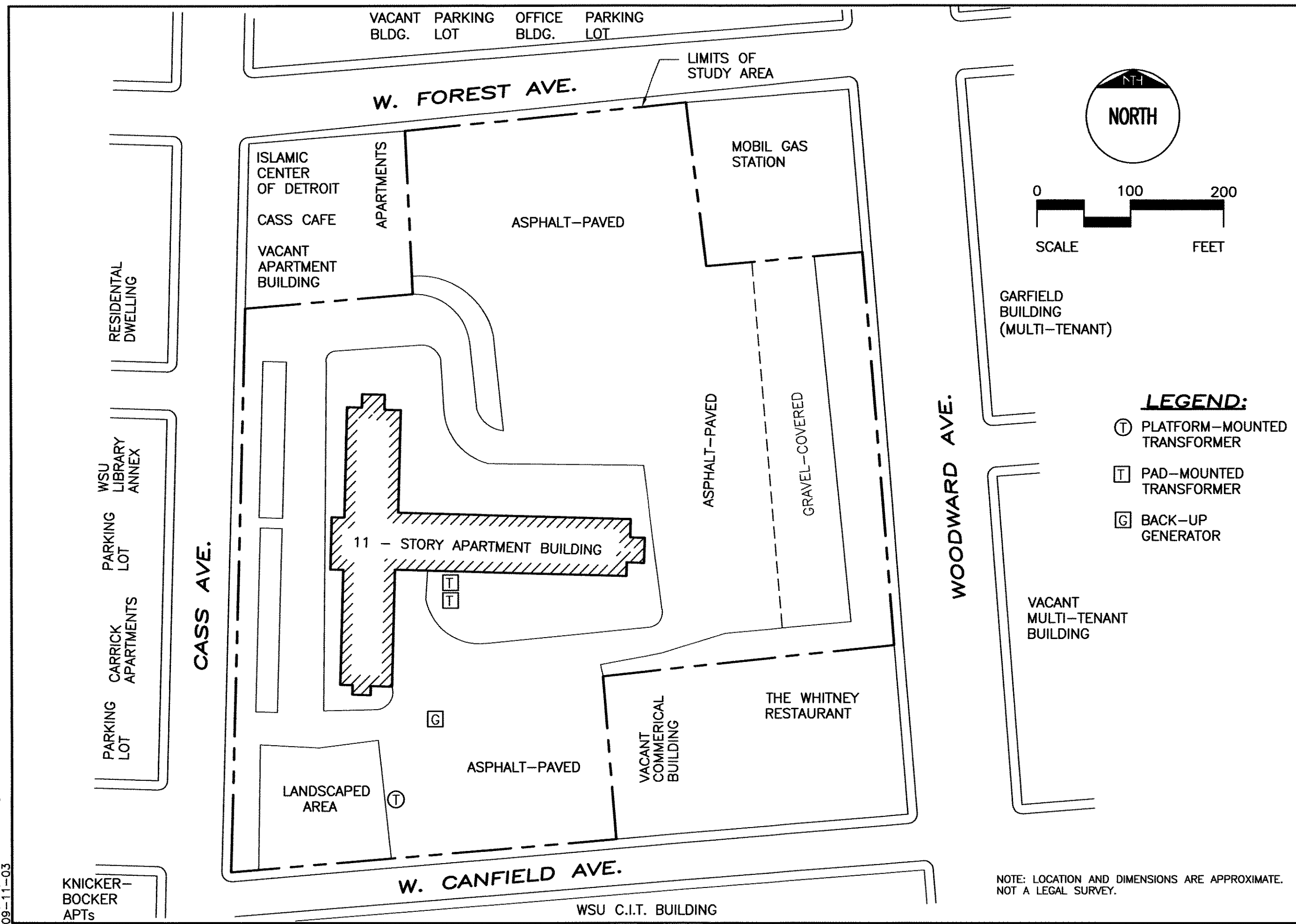
SITE PLAN
 WSU UNIVERSITY TOWER PROPERTY
 4500 CASS AVENUE
 DETROIT, MI

DATE:
09-11-03

SHEET
1 OF 1

PLATE NO:

2



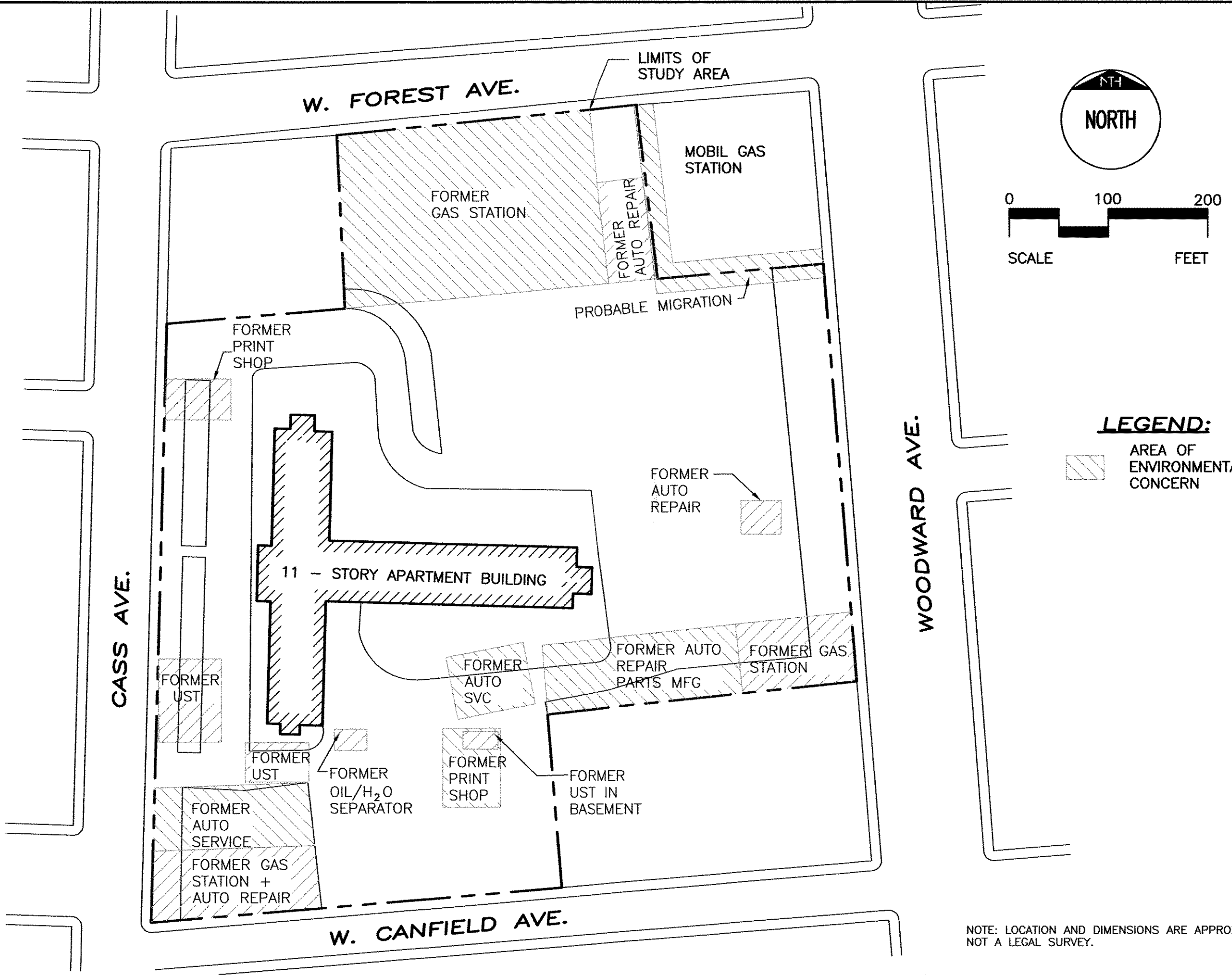
LEGEND:

- ⊕ PLATFORM-MOUNTED TRANSFORMER
- ⊞ PAD-MOUNTED TRANSFORMER
- ⊠ BACK-UP GENERATOR

NOTE: LOCATION AND DIMENSIONS ARE APPROXIMATE.
 NOT A LEGAL SURVEY.

J:\16\030791002.dwg
 09-11-03

J:\16\030791003.dwg
10-24-03



NOTE: LOCATION AND DIMENSIONS ARE APPROXIMATE.
NOT A LEGAL SURVEY.



NTH Consultants, Ltd.
Professional Engineering & Environmental Services
Farmington Hills Detroit Exton Grand Rapids Lansing

PROJECT NO.
16-030791-00
SCALE:
AS SHOWN
DRAWN BY:
JD
CHECKED BY:
JPS

**SITE PLAN SHOWING
AREAS OF ENVIRONMENTAL CONCERN**
WSU UNIVERSITY TOWER PROPERTY
4500 CASS AVENUE
DETROIT, MI

DATE:
10-24-03

SHEET
1 OF 1

PLATE NO:
3

[Feedback/Problems Click Here](#)[New Features Click Here](#)

Thursday, August 21, 2003

[Address Search Click Here](#)

City of Detroit

Real Property Inquiry System

Property Data & Long Legal Descriptions

The Following Information Was Found

[Click Here to View City Services](#)

Property Address: 66 - 110 CANFIELD W	Ward/Item: 2/000901-4	Tax Name: WAYNE STATE UNIVERSITY
Tax Address: 5050 CASS AVE City/State/Zipcode: DETROIT MI 48202-3928	Tax Info. Last Updated On: 05/19/2002	DIMEN_ID: 240X172 Land Value Map Number: 5
2002 Assessed Value: \$210,400.00 2001 Assessed Value: \$45,250.00 2000 Assessed Value: \$21,700.00	2002 True Cash Value: \$420,800.00 2001 True Cash Value: \$90,500.00 2000 True Cash Value: \$43,400.00	LOT Number-Text: 14 THRU 7 Subdivision Codes (Liber: 00001/ Page: 289)
2002 State Equalized Value: \$0.00 2001 State Equalized Value: \$0.00 2000 State Equalized Value: \$0.00	2002 Capped Value: \$0.00 2001 Capped Value: \$0.00 2000 Capped Value: \$0.00	2002 Taxable Value: \$0.00 2001 Taxable Value: \$0.00 2000 Taxable Value: \$0.00

Land Use Description: OTHER NON-BUILDING IMPROVEMENT ITEMS (NOT OTHERWISE SPECIFIED) **Land Type:** COMMERCIAL

Primary Structure Description: ()

Primary Structure Area Units Unknown: Not Available **Year Built:** Not Available



[Click Here](#)
To View Map of The
Area



AKA Address: W.S.U.PARKING **Sub-Division Text:** IRA DAVIS

Legal Description
N W CANFIELD 14 THRU 7 IRA DAVIS SUB LI P289 PLATS, W C R 2/30 240 X 172

Search Criteria

Address

House Number: Street Name: Street Direction:

Property ID

Ward: Item:



Transaction Counters

Internet: 1113129

Intranet: 22622

[Feedback/Problems Click Here](#)[New Features Click Here](#)

Thursday, August 21, 2003

[Address Search Click Here](#)

City of Detroit

Real Property Inquiry System

Property Data & Long Legal Descriptions

The Following Information Was Found

[Click Here to View City Services](#)

Property <i>Address: 51 FOREST W</i>	Ward/Item: 2/000917.	Tax Name: WAYNE STATE UNIVERSITY
Tax Address: 5050 CASS AVE <i>City/State/Zipcode: DETROIT MI 48202-3928</i>	Tax Info. Last Updated On: 05/19/2002	DIMEN_ID: 45X167 Land Value Map Number: 5
2002 Assessed Value: \$45,650.00 2001 Assessed Value: \$23,100.00 2000 Assessed Value: \$18,100.00	2002 True Cash Value: \$91,300.00 2001 True Cash Value: \$46,200.00 2000 True Cash Value: \$36,200.00	LOT Number-Text: 5;E 1/2 6 Subdivision Codes (Liber: 00001/ Page: 246)
2002 State Equalized Value: \$0.00 2001 State Equalized Value: \$0.00 2000 State Equalized Value: \$0.00	2002 Capped Value: \$0.00 2001 Capped Value: \$0.00 2000 Capped Value: \$0.00	2002 Taxable Value: \$0.00 2001 Taxable Value: \$0.00 2000 Taxable Value: \$0.00

Land Use Description: OTHER NON-BUILDING IMPROVEMENT ITEMS (NOT OTHERWISE SPECIFIED) **Land Type:** COMMERCIAL

Primary Structure Description: ()

Primary Structure Area Units Unknown: Not Available **Year Built:** Not Available



[Click Here](#)
To View Map of The
Area



AKA Address: W.S.U.PARKING Sub-Division Text: STIMSONS SUB OF PARK LOTS 55 THRU 58 (PLATS)

Legal Description

S FOREST 5 E 1/2 6 STIMSONS SUB LI P246 PLATS, W C R 2/112 45 X 167

Search Criteria

Address

House Number: *Street Name:* *Street Direction:*

Property ID

Ward: *Item:*



Transaction Counters

Internet: 1113242

Intranet: 22622

[Feedback/Problems Click Here](#)[New Features Click Here](#)

Thursday, August 21, 2003

[Address Search Click Here](#)

City of Detroit

Real Property Inquiry System

Property Data & Long Legal Descriptions

The Following Information Was Found

[Click Here to View City Services](#)

Property Address: 101 FOREST W	Ward/Item: 2/000918-21	Tax Name: WAYNE STATE UNIVERSITY
Tax Address: 5050 CASS AVE City/State/Zipcode: DETROIT MI 48202-3928	Tax Info. Last Updated On: 05/19/2002	DIMEN_ID: 255X167 Land Value Map Number: 5
2002 Assessed Value: \$253,600.00 2001 Assessed Value: \$93,900.00 2000 Assessed Value: \$28,800.00	2002 True Cash Value: \$507,200.00 2001 True Cash Value: \$187,800.00 2000 True Cash Value: \$57,600.00	LOT Number-Text: W 1 5FT 6 & 7 THRU 14 Subdivision Codes (Liber: 00000/ Page: 000)
2002 State Equalized Value: \$0.00 2001 State Equalized Value: \$0.00 2000 State Equalized Value: \$0.00	2002 Capped Value: \$0.00 2001 Capped Value: \$0.00 2000 Capped Value: \$0.00	2002 Taxable Value: \$0.00 2001 Taxable Value: \$0.00 2000 Taxable Value: \$0.00

Land Use Description: OTHER NON-BUILDING IMPROVEMENT ITEMS (NOT OTHERWISE SPECIFIED) **Land Type:** COMMERCIAL

Primary Structure Description: ()

Primary Structure Area Units Unknown: Not Available **Year Built:** Not Available



[Click Here](#)
To View Map of The Area



AKA Address: W.S.U.PARKING **Sub-Division Text:** SEE LONG LEGAL (WD 23 ITEM INVOLVED)

Legal Description

S W FOREST W 15 FT OF 6 7 THRU 14 STIMSONS SUB OF PARK LOTS 55-58 L1 P246

PLATS, W C R 2/112 255 X 167

Search Criteria

Address

House Number: Street Name: Street Direction:

Property ID

Ward: Item:



Transaction Counters

Internet: 1113226

Intranet: 22622

[Feedback/Problems Click Here](#)[New Features Click Here](#)

Thursday, August 21, 2003

[Address Search Click Here](#)

City of Detroit

Real Property Inquiry System

Property Data & Long Legal Descriptions

The Following Information Was Found

[Click Here to View City Services](#)

Property Address: 4501 WOODWARD	Ward/Item: 2/001791-2	Tax Name: WAYNE STATE UNIVERSITY
Tax Address: 5050 CASS AVE City/State/Zipcode: DETROIT MI 48202-3928	Tax Info. Last Updated On: 05/19/2002	DIMEN_ID: 424.49 IRREG Land Value Map Number: 5
2002 Assessed Value: \$1,386,950.00 2001 Assessed Value: \$253,850.00 2000 Assessed Value: \$253,850.00	2002 True Cash Value: \$2,773,900.00 2001 True Cash Value: \$507,700.00 2000 True Cash Value: \$507,700.00	LOT Number-Text: PAR K LOT 59 Subdivision Codes (Liber: 00034/ Page: 542)
2002 State Equalized Value: \$0.00 2001 State Equalized Value: \$0.00 2000 State Equalized Value: \$0.00	2002 Capped Value: \$0.00 2001 Capped Value: \$0.00 2000 Capped Value: \$0.00	2002 Taxable Value: \$0.00 2001 Taxable Value: \$0.00 2000 Taxable Value: \$0.00

Land Use Description: NON-BUILDING IMPROVEMENTS - YARD **Land Type:** COMMERCIAL

Primary Structure Description: ()

Primary Structure Area Units Unknown: Not Available **Year Built:** Not Available



[Click Here](#)
To View Map of The
Area



AKA Address: WAYNE STATE U. **Sub-Division Text:** PLAT OF PARK LOTS (DEEDS)

Legal Description
W WOODWARD PARK LOT 59 EXC WOODWARD & CASS AVES AS WD AND EXC ALLEY AS DEEDED 2/--- 424.49 IRREG

Search Criteria

Address

House Number: Street Name: Street Direction:

Property ID

Ward: Item:



Transaction Counters

Internet: 1113186

Intranet: 22622

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Thursday, August 21, 2003

[Address Search Click Here](#)

City of Detroit

Real Property Inquiry System

Property Data & Long Legal Descriptions

The Following Information Was Found

[Click Here to View City Services](#)

Property Address: 4400 CASS	Ward/Item: 2/002110.	Tax Name: WAYNE STATE UNIVERSITY
Tax Address: 656 W KIRBY ST City/State/Zipcode: DETROIT MI 48202-3622	Tax Info. Last Updated On: 05/19/2002	DIMEN_ID: 80.65 IRREG Land Value Map Number: 5
2002 Assessed Value: \$50,400.00 2001 Assessed Value: \$20,750.00 2000 Assessed Value: \$26,800.00	2002 True Cash Value: \$100,800.00 2001 True Cash Value: \$41,500.00 2000 True Cash Value: \$53,600.00	LOT Number-Text: 18* ;17* Subdivision Codes (Liber: 00001/ Page: 289)
2002 State Equalized Value: \$0.00 2001 State Equalized Value: \$0.00 2000 State Equalized Value: \$0.00	2002 Capped Value: \$0.00 2001 Capped Value: \$0.00 2000 Capped Value: \$0.00	2002 Taxable Value: \$0.00 2001 Taxable Value: \$0.00 2000 Taxable Value: \$0.00

Land Use Description: OTHER NON-BUILDING IMPROVEMENT ITEMS (NOT OTHERWISE SPECIFIED) **Land Type:** COMMERCIAL

Primary Structure Description: ()

Primary Structure Area Units Unknown: Not Available **Year Built:** Not Available



[Click Here](#)
[To View Map of The](#)
[Area](#)



AKA Address: WSU PARKING **Sub-Division Text:** IRA DAVIS

Legal Description
E CASS 18 EXC S 33.20 FT ON W LINE BG W 29.70 FT ON S LINE S 26.67 FT 17 IRA DAVIS SUB LI P289 PLATS, W C R 2/30 80.65 IRREG

Search Criteria

Address

House Number: Street Name: Street Direction:

Property ID

Ward: Item:



Transaction Counters

Internet: 1113103

Intranet: 22622

[Feedback/Problems Click Here](#)[New Features Click Here](#)

Thursday, August 21, 2003

[Address Search Click Here](#)

City of Detroit

Real Property Inquiry System

Property Data & Long Legal Descriptions

The Following Information Was Found

[Click Here to View City Services](#)

Property Address: 4400 CASS	Ward/Item: 2/002110.	Tax Name: WAYNE STATE UNIVERSITY
Tax Address: 656 W KIRBY ST City/State/Zipcode: DETROIT MI 48202-3622	Tax Info. Last Updated On: 05/19/2002	DIMEN_ID: 80.65 IRREG Land Value Map Number: 5
2002 Assessed Value: \$50,400.00 2001 Assessed Value: \$20,750.00 2000 Assessed Value: \$26,800.00	2002 True Cash Value: \$100,800.00 2001 True Cash Value: \$41,500.00 2000 True Cash Value: \$53,600.00	LOT Number-Text: 18* ;17* Subdivision Codes (Liber: 00001/ Page: 289)
2002 State Equalized Value: \$0.00 2001 State Equalized Value: \$0.00 2000 State Equalized Value: \$0.00	2002 Capped Value: \$0.00 2001 Capped Value: \$0.00 2000 Capped Value: \$0.00	2002 Taxable Value: \$0.00 2001 Taxable Value: \$0.00 2000 Taxable Value: \$0.00

Land Use Description: OTHER NON-BUILDING IMPROVEMENT ITEMS (NOT OTHERWISE SPECIFIED) **Land Type:** COMMERCIAL

Primary Structure Description: ()

Primary Structure Area Units Unknown: Not Available **Year Built:** Not Available



[Click Here](#)
To View Map of The
Area



AKA Address: WSU PARKING Sub-Division Text: IRA DAVIS

Legal Description
E CASS 18 EXC S 33.20 FT ON W LINE BG W 29.70 FT ON S LINE S 26.67 FT 17 IRA DAVIS SUB LI P289 PLATS, W C R 2/30 80.65 IRREG

Search Criteria

Address

House Number: *Street Name:* *Street Direction:*

Property ID

Ward: *Item:*



Transaction Counters

Internet: 1113103

Intranet: 22622

[Feedback/Problems Click Here](#)[New Features Click Here](#)

Thursday, August 21, 2003

[Address Search Click Here](#)

City of Detroit

Real Property Inquiry System

Property Data & Long Legal Descriptions

The Following Information Was Found

[Click Here to View City Services](#)

Property Address: 4410 CASS	Ward/Item: 2/002111.	Tax Name: WAYNE STATE UNIVERSITY
Tax Address: 656 W KIRBY ST City/State/Zipcode: DETROIT MI 48202-3622	Tax Info. Last Updated On: 05/19/2002	DIMEN_ID: 63.99 IRREG Land Value Map Number: 5
2002 Assessed Value: \$46,200.00 2001 Assessed Value: \$18,700.00 2000 Assessed Value: \$28,950.00	2002 True Cash Value: \$92,400.00 2001 True Cash Value: \$37,400.00 2000 True Cash Value: \$57,900.00	LOT Number-Text: N18 .66' 17;16 Subdivision Codes (Liber: 00001/ Page: 289)
2002 State Equalized Value: \$0.00 2001 State Equalized Value: \$0.00 2000 State Equalized Value: \$0.00	2002 Capped Value: \$0.00 2001 Capped Value: \$0.00 2000 Capped Value: \$0.00	2002 Taxable Value: \$0.00 2001 Taxable Value: \$0.00 2000 Taxable Value: \$0.00

Land Use Description: OTHER NON-BUILDING IMPROVEMENT ITEMS (NOT OTHERWISE SPECIFIED) **Land Type:** COMMERCIAL

Primary Structure Description: ()

Primary Structure Area Units Unknown: Not Available **Year Built:** Not Available



[Click Here](#)
To View Map of The
Area



AKA Address: WSU PARKING Sub-Division Text: IRA DAVIS

Legal Description
E CASS N 18.66 FT 17 16 IRA DAVIS SUB LI P289 PLATS, W C R 2/30 63.99 IRREG

Search Criteria

Address

House Number: *Street Name:* *Street Direction:*

Property ID

Ward: *Item:*



Transaction Counters

Internet: 1113143

Intranet: 22622

[Feedback/Problems Click Here](#)[New Features Click Here](#)

Thursday, August 21, 2003

[Address Search Click Here](#)

City of Detroit

Real Property Inquiry System

Property Data & Long Legal Descriptions

The Following Information Was Found

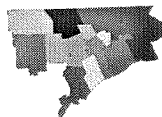
[Click Here to View City Services](#)

Property Address: 4428 - 4430 CASS	Ward/Item: 2/002112.	Tax Name: WAYNE STATE UNIVERSITY
Tax Address: 5050 CASS AVE City/State/Zipcode: DETROIT MI 48202-3928	Tax Info. Last Updated On: 05/19/2002	DIMEN_ID: 47.34 IRREG Land Value Map Number: 5
2002 Assessed Value: \$32,200.00 2001 Assessed Value: \$5,350.00 2000 Assessed Value: \$16,750.00	2002 True Cash Value: \$64,400.00 2001 True Cash Value: \$10,700.00 2000 True Cash Value: \$33,500.00	LOT Number-Text: 23- 81.132 Subdivision Codes (Liber: 00000/ Page: 000)
2002 State Equalized Value: \$0.00 2001 State Equalized Value: \$0.00 2000 State Equalized Value: \$0.00	2002 Capped Value: \$0.00 2001 Capped Value: \$0.00 2000 Capped Value: \$0.00	2002 Taxable Value: \$0.00 2001 Taxable Value: \$0.00 2000 Taxable Value: \$0.00

Land Use Description: OTHER NON-BUILDING IMPROVEMENT ITEMS (NOT OTHERWISE SPECIFIED) **Land Type:** COMMERCIAL

Primary Structure Description: ()

Primary Structure Area Units Unknown: Not Available **Year Built:** Not Available



[Click Here](#)
To View Map of The
Area



AKA Address: W.S.U.TOWER Sub-Division Text: SEE LONG LEGAL (WD 23 ITEM INVOLVED)

Legal Description

E CASS 15 IRA DAVIS SUB LI P289 PLATS, W C R 2/30 47.34 IRREG

Search Criteria

Address

House Number: *Street Name:* *Street Direction:*

Property ID

Ward: *Item:*



Transaction Counters

Internet: 1113146

Intranet: 22622



APPENDIX B
Site Photographs

SITE PHOTOGRAPHS



PHOTOGRAPH No. 1 FRONT (WEST SIDE) OF THE BUILDING



PHOTOGRAPH No. 2 EAST SIDE OF THE BUILDING

SITE PHOTOGRAPHS



PHOTOGRAPH No. 3 NORTH SIDE OF THE BUILDING



PHOTOGRAPH No. 4 SOUTH SIDE OF THE BUILDING

SITE PHOTOGRAPHS



PHOTOGRAPH No. 5 **GENERAL VIEW OF PARKING LOT**



PHOTOGRAPH No. 6 **GENERAL VIEW OF GRAVEL-COVERED PARKING LOT**

SITE PHOTOGRAPHS



PHOTOGRAPH No. 7 *LANDSCAPED AREA*



PHOTOGRAPH No. 8 *LOADING DOCK*

SITE PHOTOGRAPHS



PHOTOGRAPH No. 9 BACK-UP GENERATOR ON RIGHT SIDE OF PHOTO



PHOTOGRAPH No. 10 LOBBY

SITE PHOTOGRAPHS



PHOTOGRAPH No. 11 MEETING ROOM



PHOTOGRAPH No. 12 COMPUTER ROOM

SITE PHOTOGRAPHS



PHOTOGRAPH No. 13 LAUNDRY ROOM



PHOTOGRAPH No. 14 APARTMENT UNIT

SITE PHOTOGRAPHS



PHOTOGRAPH No. 15 MAINTENANCE STORAGE AREA



PHOTOGRAPH No. 16 MAINTENANCE STORAGE AREA



APPENDIX C
Environmental Database Report



The EDR Radius Map with GeoCheck[®]

WSU Tower Property
4500 Cass Avenue
Detroit, MI 48201

Inquiry Number: 11021681.3p

July 31, 2003

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06890

Nationwide Customer Service

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

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Detail Map	3
Map Findings Summary	4
Map Findings	5
Orphan Summary	65
EPA Waste Codes	EPA-1
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	A-10

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

4500 CASS AVENUE
DETROIT, MI 48201

COORDINATES

Latitude (North): 42.353200 - 42° 21' 11.5"
Longitude (West): 83.063700 - 83° 3' 49.3"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 330029.5
UTM Y (Meters): 4690841.5
Elevation: 625 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2442083-C1 DETROIT, MI CA08
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
RCRIS-TSD..... Resource Conservation and Recovery Information System
RCRIS-LQG..... Resource Conservation and Recovery Information System
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

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

EXECUTIVE SUMMARY

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

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
Delisted NPL..... National Priority List Deletions
HMIRS..... Hazardous Materials Information Reporting System
MLTS..... Material Licensing Tracking System
MINES..... Mines Master Index File
NPL Liens..... Federal Superfund Liens
PADS..... PCB Activity Database System
DOD..... Department of Defense Sites
RAATS..... RCRA Administrative Action Tracking System
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST..... Aboveground Tanks

EDR PROPRIETARY HISTORICAL DATABASES

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

FEDERAL ASTM STANDARD

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 03/31/2003 has revealed that there are 2

EXECUTIVE SUMMARY

CORRACTS sites within approximately 1.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>GMC CHEVROLET DETROIT ASSEMBLY</i>	<i>601 PIQUETTE</i>	<i>1 - 2 N</i>	<i>54</i>	<i>59</i>
<i>CAMEO COLOR COAT</i>	<i>6051 HASTINGS</i>	<i>1 - 2 N</i>	<i>55</i>	<i>61</i>

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 05/09/2003 has revealed that there are 12 RCRIS-SQG sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>MOBIL OIL CORP DE7</i>	<i>4661 WOODWARD AND FORES</i>	<i>0 - 1/8 NNE</i>	<i>A4</i>	<i>10</i>
<i>DETROIT POLICE PCT 13 CITY OF</i>	<i>4747 WOODWARD</i>	<i>1/8 - 1/4N</i>	<i>A7</i>	<i>13</i>
<i>US VA MEDICAL CTR DETROIT</i>	<i>4646 JOHN R ST</i>	<i>1/8 - 1/4NE</i>	<i>E15</i>	<i>19</i>
<i>WAYNE STATE UNIVERSITY</i>	<i>110 E WARREN AVE</i>	<i>1/4 - 1/2N</i>	<i>21</i>	<i>22</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>CANFIELD LOFTS LLC</i>	<i>460 W CANFIELD</i>	<i>1/8 - 1/4SSW</i>	<i>C9</i>	<i>14</i>
<i>DETROIT CITY OF PUBLIC SCHOOLS</i>	<i>444 W WILLIS</i>	<i>1/8 - 1/4S</i>	<i>D12</i>	<i>16</i>
<i>BICENTENNIAL TOWERS 1984 LDHA</i>	<i>4 E ALEXANDRINE</i>	<i>1/4 - 1/2SE</i>	<i>F17</i>	<i>20</i>
<i>DETROIT CITY OF</i>	<i>433 W ALEXANDRINE</i>	<i>1/4 - 1/2S</i>	<i>G19</i>	<i>21</i>
<i>AMERITECH CORP</i>	<i>52 SELDEN</i>	<i>1/4 - 1/2SE</i>	<i>I25</i>	<i>27</i>
<i>HARPER HOSPITAL</i>	<i>3990 JOHN R</i>	<i>1/4 - 1/2ESE</i>	<i>J29</i>	<i>30</i>
<i>KING-SMITH CO</i>	<i>818 W HANCOCK</i>	<i>1/4 - 1/2W</i>	<i>31</i>	<i>33</i>
<i>UNIVERSITY CLUB APTS LTD PART</i>	<i>900 W FOREST ST</i>	<i>1/4 - 1/2WSW</i>	<i>33</i>	<i>35</i>

STATE ASTM STANDARD

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

A review of the SHWS list, as provided by EDR, has revealed that there are 2 SHWS sites within approximately 1.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>MCI INC</i>	<i>666 HARPER</i>	<i>1 - 2 N</i>	<i>53</i>	<i>59</i>
<i>CAMEO COLOR COAT</i>	<i>6051 HASTINGS</i>	<i>1 - 2 N</i>	<i>55</i>	<i>61</i>

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

A review of the LUST list, as provided by EDR, and dated 06/14/2003 has revealed that there are 28

EXECUTIVE SUMMARY

LUST sites within approximately 0.625 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MOBIL OIL SS #03-DE7	4661 WOODWARD AVE	0 - 1/8 NNE	A1	5
POLICE DEPT PRECINCT #13	4747 WOODWARD AVE	1/8 - 1/4N	A8	13
HANCOCK CENTER	HANCOCK AVENUE & CASS	1/8 - 1/4NW	11	15
BENZ OIL CO	208 E WARREN AVE	1/4 - 1/2NNE	H23	25
VETERANS ADMINISTRATION HOSPIT	4401 BRUSH ST	1/4 - 1/2ENE	28	29
DEPT OF PUBLIC SAFETY	5454 CASS AVE	1/4 - 1/2NNW	L38	39
MHC-ADULT MENTAL HEALTH DIVISI	5435 WOODWARD AVE	1/2 - 1 NNW	N41	42
HUTZEL HOSPITAL	4707 ST. ANTOINE BOULEV	1/2 - 1 NE	42	43
PAINIA DEVELOPMENT CORP	5200 BRUSH	1/2 - 1 NNE	45	47
CULTURAL GARDENS	5200 BEAUBIEN	1/2 - 1 NNE	51	54
BEST BUY SERVICE	5564 WOODWARD AVE	1/2 - 1 NNW	52	55
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
45-57 CANFIELD	45-57 CANFIELD	0 - 1/8 ESE	B2	8
GREENBERG INVESTMENT CO	4405 CASS AVE	0 - 1/8 SSW	C5	10
AJ MARSHALL BUILDING	4400 CASS	0 - 1/8 SSW	C6	12
WILLIS WAREHOUSE	444 W WILLIS ST	1/8 - 1/4S	D13	16
BICENTENNIAL 1984 LDHA LP	#4 EAST ALEXANDRINA AVE	1/4 - 1/2SE	F16	19
FIRE DEPT ENGINE #5	434 W ALEXANDRINE	1/4 - 1/2S	G18	20
CITY OF DETROIT	4161 SECOND AVE	1/4 - 1/2SSW	20	21
4111 CORP	4111 SECOND AVE	1/4 - 1/2SSW	22	24
DETROIT COLUMBIA BLDG.	52 SELDEN ST	1/4 - 1/2SE	I27	28
HARPER HOSPITAL	3990 JOHN R ST	1/4 - 1/2ESE	J30	32
UNIVERSITY CLUB APTS LTD PART	900 W FOREST ST	1/4 - 1/2WSW	33	35
SAVE ORCHESTRA HALL	25 PARSONS ST	1/4 - 1/2SE	K35	36
FP-2000 LIMITED DIVIDEND HOUSI	1130 CANFIELD	1/4 - 1/2WSW	39	41
AMERICAN RED CROSS	100 MACK AVE	1/2 - 1 SE	M43	44
AMOCO OIL #5399	3555 WOODWARD / STIMS	1/2 - 1 SE	O46	49
GERI'S AUTO SERVICE	3574 2ND AVE	1/2 - 1 S	P47	50
MIDAS MUFFLER & BRAKE SHOP/ AM	3510 WOODWARD AVENUE	1/2 - 1 SE	O50	54

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

A review of the UST list, as provided by EDR, and dated 06/17/2003 has revealed that there are 16 UST sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MOBIL OIL SS #03-DE7	4661 WOODWARD AVE	0 - 1/8 NNE	A1	5
POLICE DEPT PRECINCT #13	4747 WOODWARD AVE	1/8 - 1/4N	A8	13
HANCOCK CENTER	HANCOCK AVENUE & CASS	1/8 - 1/4NW	11	15
VETERANS AFFAIRS MEDICAL CENTE	4646 JOHN R ST	1/8 - 1/4NE	E14	17
BENZ OIL CO	208 E WARREN AVE	1/4 - 1/2NNE	H23	25
VETERANS ADMINISTRATION HOSPIT	4401 BRUSH ST	1/4 - 1/2ENE	28	29
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
45-57 CANFIELD	45-57 CANFIELD	0 - 1/8 ESE	B2	8
GREENBERG INVESTMENT CO	4405 CASS AVE	0 - 1/8 SSW	C5	10
WILLIS WAREHOUSE	444 W WILLIS ST	1/8 - 1/4S	D13	16
BICENTENNIAL 1984 LDHA LP	#4 EAST ALEXANDRINA AVE	1/4 - 1/2SE	F16	19

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FIRE DEPT ENGINE #5	434 W ALEXANDRINE	1/4 - 1/2 S	G18	20
4111 CORP	4111 SECOND AVE	1/4 - 1/2 SSW	22	24
DETROIT COLUMBIA BLDG.	52 SELDEN ST	1/4 - 1/2 SE	I27	28
HARPER HOSPITAL	3990 JOHN R ST	1/4 - 1/2 ESE	J30	32
TOTAL ARMORED CAR SERVICE INC	467 SELDEN ST	1/4 - 1/2 S	32	34
UNIVERSITY CLUB APTS LTD PART	900 W FOREST ST	1/4 - 1/2 WSW	33	35

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 03/19/2003 has revealed that there are 13 BEA sites within approximately 0.625 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
WOODWARD & GARFIELD	4454-4466 WOODWARD AVEN	0 - 1/8 E	B3	10
CATHEDRAL COMMUNITY SVCS., IN	LOTS 43 / 59 GARFIELD A	1/8 - 1/4 ENE	10	15
BENZOIL OIL PROPERTY (FORMER)	208 EAST WARREN	1/4 - 1/2 NNE	H24	27
Not reported	350 E. WARREN	1/4 - 1/2 NNE	34	36
CAMPUS VILLAGE	5500 CASS AVENUE	1/2 - 1 NNW	L44	47
MICHIGAN HEALTH CARE CENTER(FO	5435, 5501 / 5701 WOO	1/2 - 1 NNW	N48	53

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CANFIELD LOFTS LLC	460 W CANFIELD	1/8 - 1/4 SSW	C9	14
ORHCETRA PLACE PARK	69-73 SELDEN	1/4 - 1/2 SE	I26	28
PROFESSIONAL PLAZA L.L.C.	3750-3800 WOODWARD AVEN	1/4 - 1/2 SE	K36	38
TWO COMMERCIAL BUILDINGS	3750 AND 3800 WOODWARD	1/4 - 1/2 SE	K37	38
NATIONAL BANK OF DETROIT (FORM	111 MACK AVENUE	1/2 - 1 SE	M40	42
DETROIT MEDICAL CENTER	SECOND / MYRTLE	1/2 - 1 S	P49	53
MIDAS MUFFLER & BRAKE SHOP/ AM	3510 WOODWARD AVENUE	1/2 - 1 SE	O50	54

FEDERAL ASTM SUPPLEMENTAL

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 03/19/2003 has revealed that there is 1 FINDS site within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MOBIL OIL CORP DE7	4661 WOODWARD AND FORES	0 - 1/8 NNE	A4	10




EXECUTIVE SUMMARY





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

<u>Site Name</u>	<u>Database(s)</u>
DETROIT RIVER SEDIMENTS	SHWS, CERC-NFRAP
GENERAL DIE CASTING	SHWS
CHESAPEAKE PROPERTIES	SHWS
PACKARD PLANT (FORMER)	SHWS
I-94 INDUSTRIAL PARK	SHWS
WELCOME CENTER DEVELOPMENT	SHWS
UNISYS WORLD HQ DETROIT	SHWS
RUSSELL/WATSON ST NR EASTERN MKT	SHWS
EUMET RECYCLING	SHWS
FRIGID FOOD PRODUCTS, INC	UST
WAYNE STATE U - LOUIS ELLIMAN BLDG	RCRIS-SQG, FINDS
WAYNE STATE U-HELEN V PRENTIS LANDE BLDG	RCRIS-SQG, FINDS
WAYNE STATE U - MOTT CENTER	RCRIS-SQG, FINDS
WAYNE STATE UNIV PHYSICS BLDG	RCRIS-SQG, FINDS
WAYNE STATE UNIV - BIOMECHANICS	RCRIS-SQG, FINDS
AMOCO OIL CO 6330	RCRIS-SQG, FINDS
WARREN PLAZA CLEANERS	RCRIS-SQG, FINDS
WAYNE STATE UNIVERSITY	RCRIS-SQG
WAYNE STATE UNIV SCHL OF MEDICINE	FINDS, RCRIS-LQG
MIDOT BRIDGE I-75 UNDER CASS AVE	FINDS, RCRIS-LQG
MIDOT BRIDGE I-75 UNDER BRUSH ST	FINDS, RCRIS-LQG
BACK OF PROPERTY BY GARAGE, ENTRANCE TO AREA IS 9100 SAINT ST	ERNS
LOT BEHIND PROPERTY 9154 LIVENOR	ERNS
PROPERTY ON WOODWARD BETWEEN CANFIELD &	BEA
WOODWARD & GARFIELD, LLC	BEA
SCOTTEN AVENUE PROPERTY	BEA
FORT AND CLARK STREET PROPERTY	BEA
1370 CASS AVENUE / 315 BAGLEY	BEA
SECOND BLVD. REALTY CO. PROPERTY	BEA
SIX ACRE PROPERTY (MULTIPLE PARCELS)	BEA
GENERAL ELECTRIC PROPERTY (FORMERLY)	BEA
WARREN AND EVERGREEN	BEA

OVERVIEW MAP - 11021681.3p - NTH Consultants Ltd.



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

 County Boundary
 Oil & Gas pipelines
 100-year flood zone
 500-year flood zone

0 1/2 1 2 Miles

TARGET PROPERTY: WSU Tower Property ADDRESS: 4500 Cass Avenue CITY/STATE/ZIP: Detroit MI 48201 LAT/LONG: 42.3532 / 83.0637	CUSTOMER: NTH Consultants Ltd. CONTACT: Joe Sullivan INQUIRY #: 11021681.3p DATE: July 31, 2003 9:36 am
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DETAIL MAP - 11021681.3p - NTH Consultants Ltd.



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- County Boundary
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone

TARGET PROPERTY: WSU Tower Property
ADDRESS: 4500 Cass Avenue
CITY/STATE/ZIP: Detroit MI 48201
LAT/LONG: 42.3532 / 83.0637

CUSTOMER: NTH Consultants Ltd.
CONTACT: Joe Sullivan
INQUIRY #: 11021681.3p
DATE: July 31, 2003 9:37 am

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.125	0	0	0	0	0	0
Proposed NPL		1.125	0	0	0	0	0	0
CERCLIS		0.625	0	0	0	0	NR	0
CERC-NFRAP		0.375	0	0	0	NR	NR	0
CORRACTS		1.125	0	0	0	0	2	2
RCRIS-TSD		0.625	0	0	0	0	NR	0
RCRIS Lg. Quan. Gen.		0.375	0	0	0	NR	NR	0
RCRIS Sm. Quan. Gen.		0.375	1	4	7	NR	NR	12
ERNS		0.125	0	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste		1.125	0	0	0	0	2	2
State Landfill		0.625	0	0	0	0	NR	0
LUST		0.625	4	3	12	9	NR	28
UST		0.375	3	4	9	NR	NR	16
BEA		0.625	1	2	5	5	NR	13
HIST LF		0.625	0	0	0	0	NR	0
INDIAN UST		0.375	0	0	0	NR	NR	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.125	0	0	0	0	0	0
ROD		1.125	0	0	0	0	0	0
Delisted NPL		1.125	0	0	0	0	0	0
FINDS		0.125	1	NR	NR	NR	NR	1
HMIRS		0.125	0	NR	NR	NR	NR	0
MLTS		0.125	0	NR	NR	NR	NR	0
MINES		0.375	0	0	0	NR	NR	0
NPL Liens		0.125	0	NR	NR	NR	NR	0
PADS		0.125	0	NR	NR	NR	NR	0
DOD		1.125	0	0	0	0	0	0
RAATS		0.125	0	NR	NR	NR	NR	0
TRIS		0.125	0	NR	NR	NR	NR	0
TSCA		0.125	0	NR	NR	NR	NR	0
SSTS		0.125	0	NR	NR	NR	NR	0
FTTS		0.125	0	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
AST		0.125	0	NR	NR	NR	NR	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Coal Gas		1.125	0	0	0	0	0	0

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

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

Database(s) EDR ID Number
EPA ID Number

A1
NNE
< 1/8
513 ft.

MOBIL OIL SS #03-DE7
4661 WOODWARD AVE
DETROIT, MI 48201

LUST U003160721
UST N/A

Site 1 of 4 in cluster A

Relative:
Higher

LUST:

Actual:
627 ft.

Facility ID: 00003215
Release Number: C-0466-99
Release Date: May 19 1999
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : ExxonMobil Oil Corporation
Owner Address : C/o Veeder-Root CMS 12265 W Bayaud Ave
Lakewood, CO 80228
Country : USA
Owner Phone : 800-253-8054
Contact : EMILY MILLEER
Facility Phone : (800) 327-8431

Facility ID: 00003215
Release Number: C-1950-90
Release Date: Sep 21 1990
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : ExxonMobil Oil Corporation
Owner Address : C/o Veeder-Root CMS 12265 W Bayaud Ave
Lakewood, CO 80228
Country : USA
Owner Phone : 800-253-8054
Contact : EMILY MILLEER
Facility Phone : (800) 327-8431

Facility ID: 00003215
Release Number: C-1843-90
Release Date: Sep 21 1990
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : ExxonMobil Oil Corporation
Owner Address : C/o Veeder-Root CMS 12265 W Bayaud Ave
Lakewood, CO 80228
Country : USA
Owner Phone : 800-253-8054
Contact : EMILY MILLEER
Facility Phone : (800) 327-8431

UST:

Facility ID: 00003215
Tank ID: 1
Owner: ExxonMobil Oil Corporation

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MOBIL OIL SS #03-DE7 (Continued)

U003160721

Owner Address: C/o Veeder-Root CMS 12265 W Bayaud Ave
Lakewood, CO 80228
Owner Phone: 800-253-8054
Product: Gasoline
Capacity: 10000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: EMILY MILLEER
Contact Phone: (800) 327-8431
Impressed Device: No
Install Date: Feb 10 1969
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00003215
Tank ID: 2
Owner: ExxonMobil Oil Corporation
Owner Address: C/o Veeder-Root CMS 12265 W Bayaud Ave
Lakewood, CO 80228
Owner Phone: 800-253-8054
Product: Gasoline
Capacity: 10000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: EMILY MILLEER
Contact Phone: (800) 327-8431
Impressed Device: No
Install Date: Feb 10 1969
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00003215
Tank ID: 3
Owner: ExxonMobil Oil Corporation
Owner Address: C/o Veeder-Root CMS 12265 W Bayaud Ave
Lakewood, CO 80228
Owner Phone: 800-253-8054
Product: Gasoline
Capacity: 10000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: EMILY MILLEER
Contact Phone: (800) 327-8431
Impressed Device: No
Install Date: Feb 11 1971
Release Detection:
Tank: Not reported
Pipe: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MOBIL OIL SS #03-DE7 (Continued)

Database(s)
EDR ID Number
EPA ID Number

U003160721

Facility ID: 00003215
Tank ID: 4
Owner: ExxonMobil Oil Corporation
Owner Address: C/o Veeder-Root CMS 12265 W Bayaud Ave
Lakewood, CO 80228
Owner Phone: 800-253-8054
Product: HYD. OIL
Capacity: 50
Tank Status: Currently In Use
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: EMILY MILLEER
Contact Phone: (800) 327-8431
Impressed Device: No
Install Date: Feb 10 1969
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00003215
Tank ID: 5
Owner: ExxonMobil Oil Corporation
Owner Address: C/o Veeder-Root CMS 12265 W Bayaud Ave
Lakewood, CO 80228
Owner Phone: 800-253-8054
Product: Gasoline
Capacity: 10000
Tank Status: Currently In Use
Constr Material: Double Walled, Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: EMILY MILLEER
Contact Phone: (800) 327-8431
Impressed Device: No
Install Date: Oct 1 1990
Release Detection:
Tank: Automatic Tank Gauging
Pipe: Automatic Line Leak Detectors, Interstitial Monitoring/Second Containment, Line Tightness Testing

Facility ID: 00003215
Tank ID: 6
Owner: ExxonMobil Oil Corporation
Owner Address: C/o Veeder-Root CMS 12265 W Bayaud Ave
Lakewood, CO 80228
Owner Phone: 800-253-8054
Product: Gasoline
Capacity: 10000
Tank Status: Currently In Use
Constr Material: Double Walled, Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: EMILY MILLEER
Contact Phone: (800) 327-8431
Impressed Device: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

MOBIL OIL SS #03-DE7 (Continued)

U003160721

Install Date: Oct 1 1990
 Release Detection:
 Tank: Automatic Tank Gauging,Groundwater Monitoring
 Pipe: ,Automatic Line Leak Detectors,Interstitial Monitoring/Second Containment,Line Tightness Testing

Facility ID: 00003215
 Tank ID: 7
 Owner: ExxonMobil Oil Corporation
 Owner Address: C/o Veeder-Root CMS 12265 W Bayaud Ave
 Lakewood, CO 80228
 Owner Phone: 800-253-8054
 Product: Gasoline
 Capacity: 10000
 Tank Status: Currently In Use
 Constr Material: Double Walled,Fiberglass Reinforced plastic
 Piping Material: Fiberglass reinforced plastic
 Piping Type: Pressure
 Contact: EMILY MILLEER
 Contact Phone: (800) 327-8431
 Impressed Device:No

Install Date: Oct 1 1990
 Release Detection:
 Tank: Automatic Tank Gauging,Groundwater Monitoring
 Pipe: Automatic Line Leak Detectors,Interstitial Monitoring/Second Containment,Line Tightness Testing

Facility ID: 00003215
 Tank ID: 8
 Owner: ExxonMobil Oil Corporation
 Owner Address: C/o Veeder-Root CMS 12265 W Bayaud Ave
 Lakewood, CO 80228
 Owner Phone: 800-253-8054
 Product: Gasoline
 Capacity: 10000
 Tank Status: Currently In Use
 Constr Material: Double Walled,Fiberglass Reinforced plastic
 Piping Material: Fiberglass reinforced plastic
 Piping Type: Pressure
 Contact: EMILY MILLEER
 Contact Phone: (800) 327-8431
 Impressed Device:No

Install Date: Oct 1 1990
 Release Detection:
 Tank: Automatic Tank Gauging,Groundwater Monitoring
 Pipe: Automatic Line Leak Detectors,Interstitial Monitoring/Second Containment,Line Tightness Testing

B2
ESE
< 1/8
513 ft.

45-57 CANFIELD
45-57 CANFIELD
DETROIT, MI 48180

LUST U003758660
UST N/A

Site 1 of 2 in cluster B

Relative:
Lower

LUST:
 Facility ID: 00040129
 Release Number: C-0615-99
 Release Date: Jun 22 1999
 Facility Status: Open

Actual:
624 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EPA ID Number
EDR ID Number

45-57 CANFIELD (Continued)

U003758660

District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Richard & J.Mandogian Foundation
Owner Address : 21001 Van Born Rd
Taylor, MI 48180
Country : USA
Owner Phone : (313) 274-7400
Contact : BRYAN J HUGHES
Facility Phone : (313) 792-6032

UST:

Facility ID: 00040129
Tank ID: 1
Owner: Richard & J.Mandogian Foundation
Owner Address: 21001 Van Born Rd
Taylor, MI 48180
Owner Phone: (313) 274-7400
Product: Gasoline,Diesel
Capacity: 1000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: BRYAN J HUGHES
Contact Phone: (313) 792-6032
Impressed DeviceNo
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00040129
Tank ID: 2
Owner: Richard & J.Mandogian Foundation
Owner Address: 21001 Van Born Rd
Taylor, MI 48180
Owner Phone: (313) 274-7400
Product: Gasoline,Diesel
Capacity: 1000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: BRYAN J HUGHES
Contact Phone: (313) 792-6032
Impressed DeviceNo
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

B3 **WOODWARD & GARFIELD**
East **4454-4466 WOODWARD AVENUE**
< 1/8 **DETROIT, MI 48201**
526 ft.

BEA **S104911578**
 N/A

Site 2 of 2 in cluster B

Relative:
Equal

BEA:
 Petition Disclosure: 1
 BEA Number: 524
 District: Southeast MI
 Date Received: 01/22/98
 Submitter Name: WOODWARD & GARFIELD
 Petition Determination: Affirmed
 Category: No Hazardous Substance(s)
 Determination 20107A: Pending
 Reviewer: thomask
 Division Assigned: Environmental Response Division

Actual:
625 ft.

A4 **MOBIL OIL CORP DE7**
NNE **4661 WOODWARD AND FOREST**
< 1/8 **DETROIT, MI 48201**
533 ft.

RCRIS-SQG **1000529171**
FINDS **MID985616044**

Site 2 of 4 in cluster A

Relative:
Higher

RCRIS:
 Owner: MOBIL OIL CORPORATION
 (703) 849-3330
 EPA ID: MID985616044
 Contact: DAN HORTON
 (703) 849-3330

 Classification: Small Quantity Generator
 TSDF Activities: Not reported

Actual:
627 ft.

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1999

<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	14770.14

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

C5 **GREENBERG INVESTMENT CO**
SSW **4405 CASS AVE**
< 1/8 **DETROIT, MI 48325**
535 ft.

LUST **U001147889**
UST **N/A**

Site 1 of 3 in cluster C

Relative:
Lower

LUST:
 Facility ID: 00036449
 Release Number: C-1833-92
 Release Date: Oct 19 1992
 Facility Status: Closed
 District: SE Michigan District Office
 Closed Date: Nov 7 1994
 Owner Contact : Not reported

Actual:
624 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GREENBERG INVESTMENT CO (Continued)

EDR ID Number
EPA ID Number

Database(s)

U001147889

Owner Name : Greenberg Investment Co
Owner Address : PO Box 250974
W Bloomfield, MI 48325
Country : USA
Owner Phone : (734) 522-2200
Contact : HOWARD GREEN
Facility Phone : (313) 661-0878

UST:

Facility ID: 00036449
Tank ID: 1
Owner: Greenberg Investment Co
Owner Address: PO Box 250974
W Bloomfield, MI 48325
Owner Phone: (734) 522-2200
Product: Gasoline
Capacity: Not reported
Tank Status: Removed from Ground
Constr Material: Unknown
Piping Material: Unknown
Piping Type: Not reported
Contact: HOWARD GREEN
Contact Phone: (313) 661-0878
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00036449
Tank ID: 2
Owner: Greenberg Investment Co
Owner Address: PO Box 250974
W Bloomfield, MI 48325
Owner Phone: (734) 522-2200
Product: Gasoline
Capacity: Not reported
Tank Status: Removed from Ground
Constr Material: Unknown
Piping Material: Unknown
Piping Type: Not reported
Contact: HOWARD GREEN
Contact Phone: (313) 661-0878
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00036449
Tank ID: 3
Owner: Greenberg Investment Co
Owner Address: PO Box 250974
W Bloomfield, MI 48325
Owner Phone: (734) 522-2200
Product: Gasoline, UNK
Capacity: Not reported
Tank Status: Removed from Ground

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

GREENBERG INVESTMENT CO (Continued)

EDR ID Number
 EPA ID Number

Database(s)

U001147889

Constr Material: Unknown
 Piping Material: Unknown
 Piping Type: Not reported
 Contact: HOWARD GREEN
 Contact Phone: (313) 661-0878
 Impressed Device: No
 Install Date: Not reported
 Release Detection:
 Tank: Not reported
 Pipe: Not reported

 Facility ID: 00036449
 Tank ID: 4
 Owner: Greenberg Investment Co
 Owner Address: PO Box 250974
 W Bloomfield, MI 48325
 Owner Phone: (734) 522-2200
 Product: Gasoline, UNK
 Capacity: Not reported
 Tank Status: Removed from Ground
 Constr Material: Unknown
 Piping Material: Unknown
 Piping Type: Not reported
 Contact: HOWARD GREEN
 Contact Phone: (313) 661-0878
 Impressed Device: No
 Install Date: Not reported
 Release Detection:
 Tank: Not reported
 Pipe: Not reported

C6
SSW
< 1/8
542 ft.

AJ MARSHALL BUILDING
4400 CASS
DETROIT, MI 48202

LUST S104235499
N/A

Site 2 of 3 in cluster C

Relative:
Lower

LUST:

Actual:
624 ft.

Facility ID: 50002445
 Release Number: C-0426-99
 Release Date: Apr 22 1999
 Facility Status: Closed
 District: SE Michigan District Office
 Closed Date: Sep 16 1999
 Owner Contact : Not reported
 Owner Name : Wayne State Univ
 Owner Address : FACILITIES PLANNING & MGMT 5454 CASS AVE
 DETROIT, MI 48202
 Country : USA
 Owner Phone : (313) 577-4311
 Contact : Not reported
 Facility Phone : () -

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

A7 **DETROIT POLICE PCT 13 CITY OF**
North **4747 WOODWARD**
1/8-1/4 **DETROIT, MI 48201**
678 ft.

RCRIS-SQG **1000888222**
FINDS **MI0000260489**

Site 3 of 4 in cluster A

Relative:
Higher

RCRIS:
 Owner: **DETROIT CITY OF DPW**
 (313) 224-3900

Actual:
627 ft.

EPA ID: **MI0000260489**
 Contact: **Not reported**
 Classification: **Small Quantity Generator**
 TSDF Activities: **Not reported**
 Violation Status: **No violations found**

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

A8 **POLICE DEPT PRECINCT #13**
North **4747 WOODWARD AVE**
1/8-1/4 **DETROIT, MI 48201**
678 ft.

LUST **U003324303**
UST **N/A**

Site 4 of 4 in cluster A

Relative:
Higher

LUST:
 Facility ID: **00019139**
 Release Number: **C-1343-99**
 Release Date: **Dec 17 1999**
 Facility Status: **Closed**
 District: **SE Michigan District Office**
 Closed Date: **Jun 6 2000**
 Owner Contact : **DPW Accounting**
 Owner Name : **City of Detroit /DPW/CED**
 Owner Address : **65 Cadillac Square Suite 1000**
 Detroit, MI 48226
 Country : **USA**
 Owner Phone : **313-224-3958**
 Contact : **Mr Robert Hafel**
 Facility Phone : **313-224-3958**

Actual:
627 ft.

UST:

Facility ID: **00019139**
 Tank ID: **1**
 Owner: **City of Detroit /DPW/CED**
 Owner Address: **65 Cadillac Square Suite 1000**
 Detroit, MI 48226
 Owner Phone: **313-224-3958**
 Product: **Gasoline**
 Capacity: **2000**
 Tank Status: **Removed from Ground**
 Constr Material: **Cathodically Protected Steel**
 Piping Material: **Galvanized Steel**
 Piping Type: **Not reported**
 Contact: **Mr Robert Hafel**
 Contact Phone: **313-224-3958**
 Impressed Device **No**
 Install Date: **Mar 20 1979**

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

POLICE DEPT PRECINCT #13 (Continued)

EDR ID Number
 EPA ID Number

Database(s)

U003324303

Release Detection:

Tank: Not reported
 Pipe: Not reported

C9
SSW
1/8-1/4
686 ft.

CANFIELD LOFTS LLC
460 W CANFIELD
DETROIT, MI 48201

RCRIS-SQG 1000232600
FINDS MID005367909
BEA

Site 3 of 3 in cluster C

Relative:
 Lower

RCRIS:

Owner: NAME NOT REPORTED
 (312) 555-1212

EPA ID: MID005367909

Contact: Not reported

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
 Area of Violation: GENERATOR-OTHER REQUIREMENTS
 Date Violation Determined: 12/01/1992
 Actual Date Achieved Compliance: 07/09/1993

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 12/01/1992
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: GENERATOR-MANIFEST REQUIREMENTS
 Date Violation Determined: 12/01/1992
 Actual Date Achieved Compliance: 07/09/1993

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 12/01/1992
 Penalty Type: Not reported

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

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-OTHER REQUIREMENTS	19930709
	GENERATOR-MANIFEST REQUIREMENTS	19930709

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

BEA:

Petition Disclosure: 1
 BEA Number: 612
 District: Southeast MI
 Date Received: 05/11/98
 Submitter Name: CANFIELD LOFTS, L.L.C.
 Petition Determination: Affirmed
 Category: No Hazardous Substance(s)
 Determination 20107A: Affirmed
 Reviewer: thomask
 Division Assigned: Environmental Response Division

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

CANFIELD LOFTS LLC (Continued)

1000232600

10
ENE
1/8-1/4
761 ft.

CATHEDRAL COMMUNITY SVCS., INC.
LOTS 43 / 59 GARFIELD AVENUE
DETROIT, MI

BEA S104909919
N/A

Relative:
Higher

BEA:

Petition Disclosure: 1
 BEA Number: 86
 District: Southeast MI
 Date Received: 03/28/96
 Submitter Name: GARY JONNA
 Petition Determination: Affirmed
 Category: No Hazardous Substance(s)
 Determination 20107A: Affirmed
 Reviewer: tempm
 Division Assigned: Environmental Response Division

Actual:
627 ft.

11
NW
1/8-1/4
857 ft.

HANCOCK CENTER
HANCOCK AVENUE & CASS
DETROIT, MI 48301

LUST U003758976
UST N/A

Relative:
Higher

LUST:

Facility ID: 00040576
 Release Number: C-0886-00
 Release Date: Nov 9 2000
 Facility Status: Closed
 District: SE Michigan District Office
 Closed Date: May 9 2001
 Owner Contact : Not reported
 Owner Name : Robertson Bros Co
 Owner Address : 6905 Telegraph Rd Ste 200
 Bloomfield Hills, MI 48301
 Country : USA
 Owner Phone : () -
 Contact : RON PHILLIPS
 Facility Phone : (248) 644-3460

Actual:
627 ft.

UST:

Facility ID: 00040576
 Tank ID: 1
 Owner: Robertson Bros Co
 Owner Address: 6905 Telegraph Rd Ste 200
 Bloomfield Hills, MI 48301
 Owner Phone: () -
 Product: UNK
 Capacity: Not reported
 Tank Status: Removed from Ground
 Constr Material: Unknown
 Piping Material: Unknown
 Piping Type: Not reported
 Contact: RON PHILLIPS
 Contact Phone: (248) 644-3460
 Impressed Device: No
 Install Date: Not reported
 Release Detection:
 Tank: Not reported
 Pipe: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

HANCOCK CENTER (Continued)

U003758976

D12 **DETROIT CITY OF PUBLIC SCHOOLS**
South **444 W WILLIS**
1/8-1/4 **DETROIT, MI 48201**
1044 ft.

RCRIS-SQG **1000367060**
FINDS **MIT270012172**

Site 1 of 2 in cluster D

Relative:
Lower

RCRIS:
 Owner: NAME NOT REPORTED
 (312) 555-1212
 EPA ID: MIT270012172
 Contact: Not reported
 Classification: Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

Actual:
622 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

D13 **WILLIS WAREHOUSE**
South **444 W WILLIS ST**
1/8-1/4 **DETROIT, MI 48201**
1044 ft.

LUST **U000268526**
UST **N/A**

Site 2 of 2 in cluster D

Relative:
Lower

LUST:
 Facility ID: 00005462
 Release Number: C-1529-85
 Release Date: Apr 7 1989
 Facility Status: Open
 District: SE Michigan District Office
 Closed Date: Not reported
 Owner Contact : Not reported
 Owner Name : Detroit Board Of Education
 Owner Address : 5057 WOODWARD ROOM 572
 DETROIT, MI 48202
 Country : USA
 Owner Phone : (313) 964-4670
 Contact : BUTCH CARRINGTON
 Facility Phone : (313) 494-1267

Actual:
622 ft.

UST:

Facility ID: 00005462
 Tank ID: 1
 Owner: Detroit Board Of Education
 Owner Address: 5057 WOODWARD ROOM 572
 DETROIT, MI 48202
 Owner Phone: (313) 964-4670
 Product: Gasoline
 Capacity: 6000
 Tank Status: Currently In Use
 Constr Material: Composite Steel w/Fiberglass)
 Piping Material: Fiberglass reinforced plastic
 Piping Type: Suction: No Valve At Tank
 Contact: BUTCH CARRINGTON

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

WILLIS WAREHOUSE (Continued)

U000268526

Contact Phone: (313) 494-1267
Impressed Device: No
Install Date: May 8 1966
Release Detection:
Tank: Automatic Tank Gauging
Pipe: Not reported

Facility ID: 00005462
Tank ID: 2
Owner: Detroit Board Of Education
Owner Address: 5057 WOODWARD ROOM 572
DETROIT, MI 48202
Owner Phone: (313) 964-4670
Product: Diesel
Capacity: 5000
Tank Status: Currently In Use
Constr Material: Asphalt Coated or Bare Steel, Lined Interior
Piping Material: Fiberglass reinforced plastic
Piping Type: Suction: No Valve At Tank
Contact: BUTCH CARRINGTON
Contact Phone: (313) 494-1267
Impressed Device: No
Install Date: May 8 1963
Release Detection:
Tank: Automatic Tank Gauging
Pipe: Not reported

Facility ID: 00005462
Tank ID: 3
Owner: Detroit Board Of Education
Owner Address: 5057 WOODWARD ROOM 572
DETROIT, MI 48202
Owner Phone: (313) 964-4670
Product: Used Oil
Capacity: 500
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: BUTCH CARRINGTON
Contact Phone: (313) 494-1267
Impressed Device: No
Install Date: May 8 1961
Release Detection:
Tank: Not reported
Pipe: Not reported

E14
NE
1/8-1/4
1138 ft.

VETERANS AFFAIRS MEDICAL CENTER
4646 JOHN R ST
DETROIT, MI 48201

UST U003426164
N/A

Site 1 of 2 in cluster E

Relative:
Higher

UST:

Actual:
628 ft.

Facility ID: 00037945
Tank ID: T1
Owner: Dept Of Veterans Affairs
Owner Address: MEDICAL CENTER 4646 JOHN R ST
DETROIT, MI 48201

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

VETERANS AFFAIRS MEDICAL CENTER (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003426164

Owner Phone: (313) 576-1000
Product: Diesel
Capacity: 28000
Tank Status: Currently In Use
Constr Material: Cathodically Protected Steel,Double Walled,Epoxy Coated Steel
Piping Material: Bare Steel,Cathodically Protected,Double Walled,Fiberglass reinforced plastic
Piping Type: Suction: Valve at Tank
Contact: GARY D'ALESSANDRO
Contact Phone: (313) 575-1000
Impressed Device:Yes
Install Date: Aug 1 1995
Release Detection:
Tank: Inter Monitoring Double Walled Tank
Pipe: Interstitial Monitoring Double Walled Piping

Facility ID: 00037945
Tank ID: T5
Owner: Dept Of Veterans Affairs
Owner Address: MEDICAL CENTER 4646 JOHN R ST
DETROIT, MI 48201
Owner Phone: (313) 576-1000
Product: Diesel
Capacity: 1000
Tank Status: Currently In Use
Constr Material: Double Walled,Epoxy Coated Steel
Piping Material: Cathodically Protected,Double Walled,Fiberglass reinforced plastic,Secondary Containment
Piping Type: Suction: No Valve At Tank
Contact: GARY D'ALESSANDRO
Contact Phone: (313) 575-1000
Impressed Device:No
Install Date: Aug 1 1996
Release Detection:
Tank: Inter Monitoring Double Walled Tank
Pipe: Interstitial Monitoring Double Walled Piping

Facility ID: 00037945
Tank ID: T6
Owner: Dept Of Veterans Affairs
Owner Address: MEDICAL CENTER 4646 JOHN R ST
DETROIT, MI 48201
Owner Phone: (313) 576-1000
Product: Diesel
Capacity: 28000
Tank Status: Currently In Use
Constr Material: Cathodically Protected Steel,Double Walled,Epoxy Coated Steel
Piping Material: Bare Steel,Double Walled,Fiberglass reinforced plastic,Secondary Containment
Piping Type: Suction: Valve at Tank
Contact: GARY D'ALESSANDRO
Contact Phone: (313) 575-1000
Impressed Device:Yes
Install Date: Sep 1 1995
Release Detection:
Tank: Inter Monitoring Double Walled Tank
Pipe: Interstitial Monitoring Double Walled Piping

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

VETERANS AFFAIRS MEDICAL CENTER (Continued)

U003426164

E15 US VA MEDICAL CTR DETROIT
NE 4646 JOHN R ST
1/8-1/4 DETROIT, MI 48201
1138 ft.

RCRIS-SQG 1001117677
FINDS MIR000017095

Site 2 of 2 in cluster E

Relative:
Higher

RCRIS:
 Owner: US GOVERNMENT DEPT OF VETERANS AFFAIRS
 NOT GIVEN
EPA ID: MIR000017095
Contact: TONY KARPOWICH
 (313) 576-1000

Actual:
628 ft.

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

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

F16 BICENTENNIAL 1984 LDHA LP
SE #4 EAST ALEXANDRINA AVE
1/4-1/2 DETROIT, MI 48076
1324 ft.

LUST U003326533
UST N/A

Site 1 of 2 in cluster F

Relative:
Lower

LUST:
 Facility ID: 00038800
 Release Number: C-1231-95
 Release Date: Nov 21 1995
 Facility Status: Closed
 District: SE Michigan District Office
 Closed Date: Feb 29 1996
 Owner Contact : Not reported
 Owner Name : Amurcom Corp
 Owner Address : 26555 Evergreen Rd Ste 1300
 Southfield, MI 48076
 Country : USA
 Owner Phone : (248) 352-0202
 Contact : MR MARK EDENS
 Facility Phone : (248) 352-0202

Actual:
623 ft.

UST:
 Facility ID: 00038800
 Tank ID: 1
 Owner: Amurcom Corp
 Owner Address: 26555 Evergreen Rd Ste 1300
 Southfield, MI 48076
 Owner Phone: (248) 352-0202
 Product: Diesel
 Capacity: 500
 Tank Status: Removed from Ground
 Constr Material: Asphalt Coated or Bare Steel
 Piping Material: Bare Steel
 Piping Type: Pressure

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

BICENTENNIAL 1984 LDHA LP (Continued)

U003326533

Contact: MR MARK EDENS
 Contact Phone: (248) 352-0202
 Impressed Device: No
 Install Date: Not reported
 Release Detection:
 Tank: Not reported
 Pipe: Not reported

F17
SE
1/4-1/2
1371 ft.

BICENTENNIAL TOWERS 1984 LDHA
4 E ALEXANDRINE
DETROIT, MI 48201

RCRIS-SQG 1001077935
FINDS MIR000009035

Site 2 of 2 in cluster F

Relative:
Lower

RCRIS:
 Owner: AMURCON
 (810) 352-0202
EPA ID: MIR000009035
 Contact: Not reported
 Classification: Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

Actual:
623 ft.

FINDS:
 Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

G18
South
1/4-1/2
1424 ft.

FIRE DEPT ENGINE #5
434 W ALEXANDRINE
DETROIT, MI 48226

LUST U003330154
UST N/A

Site 1 of 2 in cluster G

Relative:
Lower

LUST:
 Facility ID: 00019091
 Release Number: C-0871-94
 Release Date: Aug 11 1994
 Facility Status: Closed
 District: SE Michigan District Office
 Closed Date: Apr 12 1995
 Owner Contact : Not reported
 Owner Name : City Of Detroit/DPW/CED
 Owner Address : 65 Cadillac Sq Rm 1000
 Detroit, MI 48226
 Country : USA
 Owner Phone : 313-224-3958
 Contact : RON BRUNDIDGE
 Facility Phone : (313) 833-7296

Actual:
621 ft.

UST:
 Facility ID: 00019091
 Tank ID: 1
 Owner: City Of Detroit/DPW/CED
 Owner Address: 65 Cadillac Sq Rm 1000
 Detroit, MI 48226
 Owner Phone: 313-224-3958

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

FIRE DEPT ENGINE #5 (Continued)

EDR ID Number
 EPA ID Number

Database(s)

U003330154

Product: Diesel
 Capacity: 2000
 Tank Status: Removed from Ground
 Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
 Piping Material: Galvanized Steel
 Piping Type: Not reported
 Contact: RON BRUNDIDGE
 Contact Phone: (313) 833-7296
 Impressed Device: No
 Install Date: Mar 20 1967
 Release Detection:
 Tank: Not reported
 Pipe: Not reported

G19
 South
 1/4-1/2
 1427 ft.

DETROIT CITY OF
433 W ALEXANDRINE
DETROIT, MI 48201

RCRIS-SQG 1000888244
 FINDS MI0000261172

Site 2 of 2 in cluster G

Relative:
 Lower

RCRIS:
 Owner: DETROIT CITY OF DPW
 (313) 224-3900
 EPA ID: MI0000261172
 Contact: Not reported

Actual:
 621 ft.

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

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

20
 SSW
 1/4-1/2
 1431 ft.

CITY OF DETROIT
4161 SECOND AVE
DETROIT, MI 48909

LUST S104872593
 N/A

Relative:
 Lower

LUST:
 Facility ID: 50002552
 Release Number: C-0751-00
 Release Date: Aug 31 2000
 Facility Status: Open
 District: SE Michigan District Office
 Closed Date: Not reported
 Owner Contact : Patricia Simon
 Owner Name : MDNR - Office Of Property Management
 Owner Address : PO Box 30448
 Lansing, MI 48909
 Country : USA
 Owner Phone : (517) 335-3262
 Contact : Mr Pewu Bah-deh
 Facility Phone : 313-456-4700

Actual:
 621 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CITY OF DETROIT (Continued)

Database(s) EDR ID Number
 EPA ID Number

S104872593

21	WAYNE STATE UNIVERSITY	RCRIS-SQG	1000465000
North	110 E WARREN AVE	FINDS	MID985593573
1/4-1/2	DETROIT, MI 48201		
1476 ft.			

Relative:
Higher

RCRIS:
 Owner: MICHIGAN CANCER FOUNDATION
 (313) 833-0715

Actual:
629 ft.

EPA ID: MID985593573
 Contact: LANCE FRANKLIN
 (313) 577-1200

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	COMPLIANCE SCHEDULE VIOLATION
Date Violation Determined:	10/31/2001
Actual Date Achieved Compliance:	05/31/2002
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/31/2001
Penalty Type:	Final Monetary Penalty
Enforcement Action:	STIPULATED PENALTY CALL-IN
Enforcement Action Date:	05/31/2002
Penalty Type:	Final Monetary Penalty
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	10/31/2001
Actual Date Achieved Compliance:	05/10/2002
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/31/2001
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/12/2002
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	08/24/1999
Actual Date Achieved Compliance:	07/30/2001
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	08/24/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	NOV/INITIAL STATE ADMIN CONSENT COMPLIANCE ORDER
Enforcement Action Date:	08/21/2000
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	07/30/2001
Penalty Type:	Final Monetary Penalty
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	08/24/1999
Actual Date Achieved Compliance:	07/30/2001

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

WAYNE STATE UNIVERSITY (Continued)

1000465000

Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	08/24/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	NOV/INITIAL STATE ADMIN CONSENT COMPLIANCE ORDER
Enforcement Action Date:	08/21/2000
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	07/30/2001
Penalty Type:	Final Monetary Penalty
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	08/24/1999
Actual Date Achieved Compliance:	07/30/2001
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	08/24/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	NOV/INITIAL STATE ADMIN CONSENT COMPLIANCE ORDER
Enforcement Action Date:	08/21/2000
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	07/30/2001
Penalty Type:	Final Monetary Penalty
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-CONTAINER
Date Violation Determined:	08/24/1999
Actual Date Achieved Compliance:	07/30/2001
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	08/24/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	NOV/INITIAL STATE ADMIN CONSENT COMPLIANCE ORDER
Enforcement Action Date:	08/21/2000
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	07/30/2001
Penalty Type:	Final Monetary Penalty
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	06/29/1993
Actual Date Achieved Compliance:	07/28/1993
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/29/1993
Penalty Type:	Not reported

There are 7 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Not a Significant Non-Complier (SNC)	COMPLIANCE SCHEDULE VIOLATION	20020531
A Significant Non-Complier (SNC)	COMPLIANCE SCHEDULE VIOLATION	20020531
Compliance Evaluation Inspection	COMPLIANCE SCHEDULE VIOLATION	20020531
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20020510
Not a Significant Non-Complier (SNC)	GENERATOR-GENERAL REQUIREMENTS	20010730

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

WAYNE STATE UNIVERSITY (Continued)

EDR ID Number
 EPA ID Number

Database(s)

		1000465000
	GENERATOR-MANIFEST REQUIREMENTS	20010730
	GENERATOR-LAND BAN REQUIREMENTS	20010730
	GENERATOR-CONTAINER	20010730
A Significant Non-Complier (SNC)	GENERATOR-GENERAL REQUIREMENTS	20010730
	GENERATOR-MANIFEST REQUIREMENTS	20010730
	GENERATOR-LAND BAN REQUIREMENTS	20010730
	GENERATOR-CONTAINER	20010730
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20010730
	GENERATOR-MANIFEST REQUIREMENTS	20010730
	GENERATOR-LAND BAN REQUIREMENTS	20010730
	GENERATOR-CONTAINER	20010730
Compliance Evaluation Inspection	GENERATOR-OTHER REQUIREMENTS	19930728

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

22
SSW
1/4-1/2
1644 ft.

4111 CORP
4111 SECOND AVE
DETROIT, MI 48201

LUST U000268476
UST N/A

Relative:
Lower

LUST:

Facility ID: 00010013
 Release Number: C-0258-92
 Release Date: Feb 14 1992
 Facility Status: Closed
 District: SE Michigan District Office
 Closed Date: Jun 17 1998
 Owner Contact : Not reported
 Owner Name : Stat Patient Serv
 Owner Address : 3977 2nd Ave
 Detroit, MI 48201
 Country : USA
 Owner Phone : (313) 832-4357
 Contact : STEVE KOSTRICK
 Facility Phone : (313) 979-9031

Actual:
620 ft.

UST:

Facility ID: 00010013
 Tank ID: 1
 Owner: Stat Patient Serv
 Owner Address: 3977 2nd Ave
 Detroit, MI 48201
 Owner Phone: (313) 832-4357
 Product: Gasoline
 Capacity: 10000
 Tank Status: Removed from Ground
 Constr Material: Asphalt Coated or Bare Steel,Concrete
 Piping Material: Galvanized Steel
 Piping Type: Not reported
 Contact: STEVE KOSTRICK
 Contact Phone: (313) 979-9031
 Impressed Device: No
 Install Date: Jul 1 1957
 Release Detection:
 Tank: Not reported
 Pipe: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

4111 CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

U000268476

Facility ID: 00010013
Tank ID: 2
Owner: Stat Patient Serv
Owner Address: 3977 2nd Ave
Detroit, MI 48201
Owner Phone: (313) 832-4357
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel,Concrete
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: STEVE KOSTRICK
Contact Phone: (313) 979-9031
Impressed DeviceNo
Install Date: Jul 1 1957
Release Detection:
Tank: Not reported
Pipe: Not reported

H23
NNE
1/4-1/2
1681 ft.

BENZ OIL CO
208 E WARREN AVE
DETROIT, MI 48226

LUST U002303566
UST N/A

Site 1 of 2 in cluster H

Relative:
Higher

Actual:
630 ft.

LUST:

Facility ID: 00018945
Release Number: C-0356-94
Release Date: Apr 21 1994
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Jul 12 1996
Owner Contact : Not reported
Owner Name : City Of Detroit
Owner Address : ATTN RAMESH PATEL 150 W MICHIGAN AVE 7TH FLOOR
DETROIT, MI 48226
Country : USA
Owner Phone : (313) 224-0154
Contact : RAMESH PATEL
Facility Phone : (313) 224-0154

UST:

Facility ID: 00018945
Tank ID: 1
Owner: City Of Detroit
Owner Address: ATTN RAMESH PATEL 150 W MICHIGAN AVE 7TH FLOOR
DETROIT, MI 48226
Owner Phone: (313) 224-0154
Product: Gasoline
Capacity: 4000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel,Lined Interior
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Contact: RAMESH PATEL
Contact Phone: (313) 224-0154
Impressed DeviceNo

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BENZ OIL CO (Continued)

U002303566

Install Date: May 2 1962
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00018945
Tank ID: 2
Owner: City Of Detroit
Owner Address: ATTN RAMESH PATEL 150 W MICHIGAN AVE 7TH FLOOR
DETROIT, MI 48226

Owner Phone: (313) 224-0154
Product: Diesel
Capacity: 4000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel,Lined Interier
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Contact: RAMESH PATEL
Contact Phone: (313) 224-0154
Impressed DeviceNo

Install Date: May 2 1962
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00018945
Tank ID: 3
Owner: City Of Detroit
Owner Address: ATTN RAMESH PATEL 150 W MICHIGAN AVE 7TH FLOOR
DETROIT, MI 48226

Owner Phone: (313) 224-0154
Product: Diesel
Capacity: 6000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Contact: RAMESH PATEL
Contact Phone: (313) 224-0154
Impressed DeviceNo

Install Date: May 2 1974
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00018945
Tank ID: 4
Owner: City Of Detroit
Owner Address: ATTN RAMESH PATEL 150 W MICHIGAN AVE 7TH FLOOR
DETROIT, MI 48226

Owner Phone: (313) 224-0154
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

BENZ OIL CO (Continued)

U002303566

Contact: RAMESH PATEL
 Contact Phone: (313) 224-0154
 Impressed Device: No
 Install Date: May 2 1974
 Release Detection:
 Tank: Not reported
 Pipe: Not reported

H24
 NNE
 1/4-1/2
 1681 ft.

**BENZOIL OIL PROPERTY (FORMER)
 208 EAST WARREN
 DETROIT, MI 48201**

**BEA S104910859
 N/A**

Site 2 of 2 in cluster H

Relative:
 Higher

Actual:
 630 ft.

BEA:
 Petition Disclosure: 1
 BEA Number: 295
 District: Southeast MI
 Date Received: 03/27/97
 Submitter Name: KARMANOS CANCER INSTITUTE
 Petition Determination: Denied
 Category: No Hazardous Substance(s)
 Determination 20107A: No Request
 Reviewer: mitchelf
 Division Assigned: Storage Tank Division

I25
 SE
 1/4-1/2
 1703 ft.

**AMERITECH CORP
 52 SELDEN
 DETROIT, MI 48226**

**RCRIS-SQG 1000237692
 FINDS MID982633802**

Site 1 of 3 in cluster I

Relative:
 Lower

Actual:
 621 ft.

RCRIS:
 Owner: NAME NOT REPORTED
 (312) 555-1212
 EPA ID: MID982633802
 Contact: Not reported
 Classification: Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

MAP FINDINGS

Map ID			
Direction			
Distance			
Distance (ft.)			
Elevation	Site	Database(s)	EDR ID Number EPA ID Number

I26	ORHCESTRA PLACE PARK	BEA	S104910618
SE	69-73 SELDEN		N/A

1/4-1/2 **DETROIT, MI 48201**
1737 ft.

Site 2 of 3 in cluster I

Relative:		BEA:
Lower		Petition Disclosure: 1
Actual:		BEA Number: 235
621 ft.		District: Southeast MI
		Date Received: 12/12/96
		Submitter Name: LAWRENCE A. RIBITS
		Petition Determination: Affirmed
		Category: No Hazardous Substance(s)
		Determination 20107A: Pending
		Reviewer: russelje
		Division Assigned: Environmental Response Division

I27	DETROIT COLUMBIA BLDG.	LUST	U000268610
SE	52 SELDEN ST	UST	N/A

1/4-1/2 **DETROIT, MI 48201**
1743 ft.

Site 3 of 3 in cluster I

Relative:		LUST:
Lower		Facility ID: 00011674
Actual:		Release Number: C-1044-93
621 ft.		Release Date: Sep 14 1993
		Facility Status: Closed
		District: SE Michigan District Office
		Closed Date: Nov 23 1993
		Owner Contact : Not reported
		Owner Name : SBC / Ameritech
		Owner Address : C/o Ameritech Environ Management 36 S Fairview Floor 4
		Park Ridge, IL 60068
		Country : USA
		Owner Phone : 847648-2073
		Contact : JOHN BIONDO
		Facility Phone : (313) 223-5630
		UST:
		Facility ID: 00011674
		Tank ID: 1
		Owner: SBC / Ameritech
		Owner Address: C/o Ameritech Environ Management 36 S Fairview Floor 4
		Park Ridge, IL 60068
		Owner Phone: 847648-2073
		Product: Kerosene
		Capacity: 6000
		Tank Status: Currently In Use
		Constr Material: Fiberglass Reinforced plastic
		Piping Material: Unknown
		Piping Type: Not reported
		Contact: JOHN BIONDO
		Contact Phone: (313) 223-5630
		Impressed Device: No
		Install Date: May 8 1973
		Release Detection:
		Tank: Automatic Tank Gauging, Inter Monitoring Double Walled Tank, Inter Monitoring/Second Containment
		Pipe: Automatic Line Leak Detectors

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DETROIT COLUMBIA BLDG. (Continued)

Database(s)
EPA ID Number

EDR ID Number
EPA ID Number

U000268610

28
ENE
1/4-1/2
1847 ft.

VETERANS ADMINISTRATION HOSPITAL
4401 BRUSH ST
DETROIT, MI 48201

LUST U001147661
UST N/A

Relative:
Higher

LUST:

Facility ID: 00036193
Release Number: C-0294-92
Release Date: Feb 6 1992
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Veterans Admin Hospital
Owner Address : 4401 BRUSH ST
DETROIT, MI 48201
Country : USA
Owner Phone : (313) 226-3965
Contact : JOHN HOLLAND
Facility Phone : (313) 226-3965

Actual:
627 ft.

UST:

Facility ID: 00036193
Tank ID: 1
Owner: Veterans Admin Hospital
Owner Address: 4401 BRUSH ST
DETROIT, MI 48201
Owner Phone: (313) 226-3965
Product: FUEL OIL
Capacity: 1000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: JOHN HOLLAND
Contact Phone: (313) 226-3965
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00036193
Tank ID: 2
Owner: Veterans Admin Hospital
Owner Address: 4401 BRUSH ST
DETROIT, MI 48201
Owner Phone: (313) 226-3965
Product: FUEL OIL
Capacity: 800
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: JOHN HOLLAND
Contact Phone: (313) 226-3965
Impressed Device: No
Install Date: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

VETERANS ADMINISTRATION HOSPITAL (Continued)

EDR ID Number
 EPA ID Number

Database(s)

U001147661

Release Detection:
 Tank: Not reported
 Pipe: Not reported

J29
ESE
1/4-1/2
1900 ft.

HARPER HOSPITAL
3990 JOHN R
DETROIT, MI 48201

RCRIS-SQG
FINDS
MLTS

1000346180
MID980902563

Site 1 of 2 in cluster J

Relative:
Lower

RCRIS:
 Owner: HARPER GRACE HOSPITAL
 (312) 555-1212
 EPA ID: MID980902563
 Contact: JUDENE BARTLEY
 (313) 745-9132

Actual:
623 ft.

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
 Area of Violation: GENERATOR-MANIFEST REQUIREMENTS
 Date Violation Determined: 08/02/2001
 Actual Date Achieved Compliance: 11/08/2001

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 08/02/2001
 Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 10/03/2001
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
 Date Violation Determined: 08/02/2001
 Actual Date Achieved Compliance: 11/08/2001

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 08/02/2001
 Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 10/03/2001
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: GENERATOR-CONTAINER
 Date Violation Determined: 08/02/2001
 Actual Date Achieved Compliance: 11/08/2001

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 08/02/2001
 Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 10/03/2001
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
 Date Violation Determined: 08/02/2001

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

HARPER HOSPITAL (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000346180

Actual Date Achieved Compliance: 11/08/2001

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 08/02/2001
 Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 10/03/2001
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Date Violation Determined: 08/02/2001
 Actual Date Achieved Compliance: 11/08/2001

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 08/02/2001
 Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 10/03/2001
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: GENERATOR-OTHER REQUIREMENTS
 Date Violation Determined: 08/02/2001
 Actual Date Achieved Compliance: 11/08/2001

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 08/02/2001
 Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 10/03/2001
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: GENERATOR-OTHER REQUIREMENTS
 Date Violation Determined: 06/02/1994
 Actual Date Achieved Compliance: 07/12/1994

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 06/02/1994
 Penalty Type: Not reported

There are 7 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-MANIFEST REQUIREMENTS	20011108
	GENERATOR-RECORDKEEPING REQUIREMENTS	20011108
	GENERATOR-CONTAINER	20011108
	GENERATOR-OTHER REQUIREMENTS	20011108
	GENERATOR-LAND BAN REQUIREMENTS	20011108
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20011108
Compliance Evaluation Inspection	GENERATOR-OTHER REQUIREMENTS	19940712

NY MANIFEST

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

HARPER HOSPITAL (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000346180

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

MLTS:

License Number: 21-04127-07 First License Date: 03/02/1978
License Date: 04/25/1996 Institution Code: 4127
License Expires: 05/31/2004
Primary Program: Irradiators Self Shielded Less Than 10000 Curies
License Use: Not reported
Department: Not reported Building: Not reported
Contact Name: MARIA E. DAN /RSO Contact Phone: 313/745-8380
States Allowing Use: Not reported
Store Material: No
Redistribution: No Incineration: No
Burial: No
Last Inspection: 04/2002
Inspector Name: PISKURA
Next Inspection: 04/2007

J30
ESE
1/4-1/2
1900 ft.

HARPER HOSPITAL
3990 JOHN R ST
DETROIT, MI 48201

LUST U002303747
UST N/A

Site 2 of 2 in cluster J

Relative:
Lower

LUST:

Facility ID: 00008248
Release Number: C-1299-97
Release Date: Jan 17 1997
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Aug 29 1997
Owner Contact : Not reported
Owner Name : The Detroit Medical Ctr
Owner Address : 4160 JOHN R
DETROIT, MI 48201
Country : USA
Owner Phone : (313) 745-9113
Contact : WALTER F WIECZOREK
Facility Phone : (313) 745-9113

Actual:
623 ft.

UST:

Facility ID: 00008248
Tank ID: 1
Owner: The Detroit Medical Ctr
Owner Address: 4160 JOHN R
DETROIT, MI 48201
Owner Phone: (313) 745-9113
Product: Diesel
Capacity: 6000
Tank Status: Currently In Use
Constr Material: Composite Steel w/Fiberglass),Double Walled
Piping Material: Double Walled,Fiberglass reinforced plastic
Piping Type: Suction: Valve at Tank
Contact: WALTER F WIECZOREK
Contact Phone: (313) 745-9113
Impressed Device:No

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

HARPER HOSPITAL (Continued)

U002303747

Install Date: Mar 28 1971
Release Detection:
Tank: Automatic Tank Gauging,Inventory Control
Pipe: Interstitial Monitoring/Second Containment

Facility ID: 00008248
Tank ID: 2
Owner: The Detroit Medical Ctr
Owner Address: 4160 JOHN R
DETROIT, MI 48201
Owner Phone: (313) 745-9113
Product: FUEL/OIL
Capacity: 1000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: WALTER F WIECZOREK
Contact Phone: (313) 745-9113

Impressed Device: No
Install Date: Mar 28 1983
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00008248
Tank ID: 3
Owner: The Detroit Medical Ctr
Owner Address: 4160 JOHN R
DETROIT, MI 48201
Owner Phone: (313) 745-9113
Product: Diesel
Capacity: 6000
Tank Status: Currently In Use
Constr Material: Composite Steel w/Fiberglass),Double Walled
Piping Material: Double Walled,Fiberglass reinforced plastic
Piping Type: Suction: Valve at Tank
Contact: WALTER F WIECZOREK
Contact Phone: (313) 745-9113

Impressed Device: No
Install Date: Jan 21 1997
Release Detection:
Tank: Automatic Tank Gauging,Inventory Control
Pipe: Interstitial Monitoring Double Walled Piping

31 KING-SMITH CO
West 818 W HANCOCK
1/4-1/2 DETROIT, MI 48201
1922 ft.

RCRIS-SQG 1000232357
FINDS MID005506159

Relative:
Lower

Actual:
624 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

KING-SMITH CO (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000232357

RCRIS:

Owner: SMITH H G
(312) 555-1212
EPA ID: MID005506159
Contact: THOMAS KENNEDY
(313) 831-3500
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

32
South
1/4-1/2
1951 ft.

TOTAL ARMORED CAR SERVICE INC
467 SELDEN ST
DETROIT, MI 48201

UST U003319421
N/A

Relative:
Lower

UST:

Facility ID: 00000981
Tank ID: 1
Owner: Total Armored Car Serv Inc
Owner Address: 467 Selden St
Detroit, MI 48201
Owner Phone: (313) 833-0400
Product: Gasoline
Capacity: 5000
Tank Status: Currently In Use
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: DIANE DAUBLE
Contact Phone: (313) 833-0400
Impressed Device: No
Install Date: Dec 27 1970
Release Detection:
Tank: Not reported
Pipe: Not reported

Actual:
620 ft.

Facility ID: 00000981
Tank ID: 2
Owner: Total Armored Car Serv Inc
Owner Address: 467 Selden St
Detroit, MI 48201
Owner Phone: (313) 833-0400
Product: Gasoline
Capacity: 5000
Tank Status: Currently In Use
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: DIANE DAUBLE
Contact Phone: (313) 833-0400
Impressed Device: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

TOTAL ARMORED CAR SERVICE INC (Continued)

U003319421

Install Date: Dec 27 1970
 Release Detection:
 Tank: Not reported
 Pipe: Not reported

33
WSW
1/4-1/2
1957 ft.

UNIVERSITY CLUB APTS LTD PART
900 W FOREST ST
DETROIT, MI 48201

RCRIS-SQG
FINDS
LUST
UST

1000828710
MID985657824

Relative:
Lower

RCRIS:
 Owner: UNIV CLUB LDHA LIMITED PARTSHP
 (313) 353-7981

Actual:
624 ft.

EPA ID: MID985657824
 Contact: Not reported

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

LUST:

Facility ID: 00037613
 Release Number: C-0929-93
 Release Date: Jul 29 1993
 Facility Status: Closed
 District: SE Michigan District Office
 Closed Date: Nov 30 1993
 Owner Contact : Not reported
 Owner Name : Univ Club L.D.H.A Ltd Ptn
 Owner Address : 25200 Telegraph Rd Ste 410
 Southfield, MI 48034
 Country : USA
 Owner Phone : (313) 353-7981
 Contact : WALTER COHEN
 Facility Phone : (313) 353-7981

UST:

Facility ID: 00037613
 Tank ID: 1
 Owner: Univ Club L.D.H.A Ltd Ptn
 Owner Address: 25200 Telegraph Rd Ste 410
 Southfield, MI 48034
 Owner Phone: (313) 353-7981
 Product: Kerosene
 Capacity: 12000
 Tank Status: Removed from Ground
 Constr Material: Asphalt Coated or Bare Steel
 Piping Material: Not reported
 Piping Type: Suction: No Valve At Tank
 Contact: WALTER COHEN
 Contact Phone: (313) 353-7981
 Impressed Device: No
 Install Date: Not reported
 Release Detection:

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

UNIVERSITY CLUB APTS LTD PART (Continued)

EDR ID Number
EPA ID Number

Database(s)

Tank: Not reported
Pipe: Not reported

1000828710

34
NNE
1/4-1/2
2097 ft.

350 E. WARREN
DETROIT, MI

BEA S105768327
N/A

Relative:
Higher

BEA:

Petition Disclosure: 1
BEA Number: 34
District: Detroit
Date Received: 12/13/99
Submitter Name: CVS REALTY INC
Petition Determination: Affirmed
Category: Different Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: tempm
Division Assigned: Environmental Response Division

Actual:
630 ft.

K35
SE
1/4-1/2
2173 ft.

SAVE ORCHESTRA HALL
25 PARSONS ST
DETROIT, MI 48201

LUST U003160807
UST N/A

Site 1 of 3 in cluster K

Relative:
Lower

LUST:

Facility ID: 00033941
Release Number: C-0172-96
Release Date: Mar 26 1996
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Aug 20 1996
Owner Contact : Not reported
Owner Name : Save Orchestra Hall
Owner Address : 3711 Woodward Ave
Detroit, MI 48201
Country : USA
Owner Phone : (313) 833-3362
Contact : EARL VAN CISE
Facility Phone : (313) 833-3362

Actual:
619 ft.

Facility ID: 00033941
Release Number: C-1313-91
Release Date: Jul 1 1991
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Aug 20 1996
Owner Contact : Not reported
Owner Name : Save Orchestra Hall
Owner Address : 3711 Woodward Ave
Detroit, MI 48201
Country : USA
Owner Phone : (313) 833-3362
Contact : EARL VAN CISE
Facility Phone : (313) 833-3362

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SAVE ORCHESTRA HALL (Continued)

U003160807

Facility ID: 00033941
Release Number: C-0986-85
Release Date: Jul 1 1991
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Aug 20 1996
Owner Contact : Not reported
Owner Name : Save Orchestra Hall
Owner Address : 3711 Woodward Ave
Detroit, MI 48201
Country : USA
Owner Phone : (313) 833-3362
Contact : EARL VAN CISE
Facility Phone : (313) 833-3362

UST:

Facility ID: 00033941
Tank ID: 1
Owner: Save Orchestra Hall
Owner Address: 3711 Woodward Ave
Detroit, MI 48201
Owner Phone: (313) 833-3362
Product: Diesel
Capacity: 2000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank,Suction: Valve at Tank
Contact: EARL VAN CISE
Contact Phone: (313) 833-3362
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00033941
Tank ID: 2
Owner: Save Orchestra Hall
Owner Address: 3711 Woodward Ave
Detroit, MI 48201
Owner Phone: (313) 833-3362
Product: Gasoline
Capacity: 8000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: METAL
Piping Type: Suction: No Valve At Tank,Suction: Valve at Tank
Contact: EARL VAN CISE
Contact Phone: (313) 833-3362
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00033941

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

SAVE ORCHESTRA HALL (Continued)

U003160807

Tank ID: 3
 Owner: Save Orchestra Hall
 Owner Address: 3711 Woodward Ave
 Detroit, MI 48201
 Owner Phone: (313) 833-3362
 Product: Gasoline
 Capacity: 8000
 Tank Status: Removed from Ground
 Constr Material: Asphalt Coated or Bare Steel
 Piping Material: METAL
 Piping Type: Suction: No Valve At Tank,Suction: Valve at Tank
 Contact: EARL VAN CISE
 Contact Phone: (313) 833-3362
 Impressed Device: No
 Install Date: Not reported
 Release Detection:
 Tank: Not reported
 Pipe: Not reported

K36
 SE
 1/4-1/2
 2317 ft.

PROFESSIONAL PLAZA L.L.C.
3750-3800 WOODWARD AVENUE
DETROIT, MI 48201

BEA S104910830
 N/A

Site 2 of 3 in cluster K

Relative:
 Lower

BEA:
 Petition Disclosure: 1
 BEA Number: 287
 District: Southeast MI
 Date Received: 03/07/97
 Submitter Name: PROFESSIONAL PLAZA L.L.C.
 Petition Determination: Affirmed
 Category: No Hazardous Substance(s)
 Determination 20107A: Pending
 Reviewer: tempm
 Division Assigned: Environmental Response Division

Actual:
 620 ft.

K37
 SE
 1/4-1/2
 2317 ft.

TWO COMMERCIAL BUILDINGS
3750 AND 3800 WOODWARD
DETROIT, MI

BEA S105768693
 N/A

Site 3 of 3 in cluster K

Relative:
 Lower

BEA:
 Petition Disclosure: 1
 BEA Number: 1960
 District: Southeast MI
 Date Received: 03/05/03
 Submitter Name: Woodward Offices L.L.C.
 Petition Determination: Pending
 Category: Different Hazardous Substance(s)
 Determination 20107A: No Request
 Reviewer: novake
 Division Assigned: Environmental Response Division

Actual:
 620 ft.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

TWO COMMERCIAL BUILDINGS (Continued)

S105768693

**L38
 NNW
 1/4-1/2
 2615 ft.**

**DEPT OF PUBLIC SAFETY
 5454 CASS AVE
 DETROIT, MI 48202**

**LUST U000268627
 UST N/A**

Site 1 of 2 in cluster L

**Relative:
 Higher
 Actual:
 630 ft.**

LUST:
 Facility ID: 00018538
 Release Number: C-2644-91
 Release Date: Dec 7 1991
 Facility Status: Closed
 District: SE Michigan District Office
 Closed Date: Nov 8 1995
 Owner Contact : Not reported
 Owner Name : Wayne State Univ
 Owner Address : FACILITIES PLANNING & MGMT 5454 CASS AVE
 DETROIT, MI 48202
 Country : USA
 Owner Phone : (313) 577-4311
 Contact : EDWARD A. EVERETT
 Facility Phone : (313) 577-4311

UST:
 Facility ID: 00018538
 Tank ID: E-1
 Owner: Wayne State Univ
 Owner Address: FACILITIES PLANNING MGMT 5454 CASS AVE
 DETROIT, MI 48202
 Owner Phone: (313) 577-4311
 Product: #1 FUEL OIL
 Capacity: 1000
 Tank Status: Closed in Ground
 Constr Material: Asphalt Coated or Bare Steel
 Piping Material: Unknown
 Piping Type: Not reported
 Contact: EDWARD A. EVERETT
 Contact Phone: (313) 577-4311
 Impressed Device: No
 Install Date: May 8 1950
 Release Detection:
 Tank: Not reported
 Pipe: Not reported

Facility ID: 00018538
 Tank ID: E-2
 Owner: Wayne State Univ
 Owner Address: FACILITIES PLANNING MGMT 5454 CASS AVE
 DETROIT, MI 48202
 Owner Phone: (313) 577-4311
 Product: #3 FUEL OIL
 Capacity: 5000
 Tank Status: Closed in Ground
 Constr Material: Asphalt Coated or Bare Steel
 Piping Material: Unknown
 Piping Type: Not reported
 Contact: EDWARD A. EVERETT
 Contact Phone: (313) 577-4311
 Impressed Device: No

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DEPT OF PUBLIC SAFETY (Continued)

Database(s) EDR ID Number
EPA ID Number

U000268627

Install Date: May 8 1950
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00018538
Tank ID: E-3
Owner: Wayne State Univ
Owner Address: FACILITIES PLANNING MGMT 5454 CASS AVE
DETROIT, MI 48202
Owner Phone: (313) 577-4311
Product: Diesel
Capacity: 550
Tank Status: Closed in Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: EDWARD A. EVERETT
Contact Phone: (313) 577-4311

Impressed Device: No
Install Date: May 8 1950
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00018538
Tank ID: E-4
Owner: Wayne State Univ
Owner Address: FACILITIES PLANNING MGMT 5454 CASS AVE
DETROIT, MI 48202
Owner Phone: (313) 577-4311
Product: Gasoline
Capacity: 1000
Tank Status: Closed in Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: EDWARD A. EVERETT
Contact Phone: (313) 577-4311

Impressed Device: No
Install Date: May 8 1950
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00018538
Tank ID: E-5
Owner: Wayne State Univ
Owner Address: FACILITIES PLANNING MGMT 5454 CASS AVE
DETROIT, MI 48202
Owner Phone: (313) 577-4311
Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DEPT OF PUBLIC SAFETY (Continued)

EDR ID Number
EPA ID Number

Database(s)

U000268627

Contact: EDWARD A. EVERETT
Contact Phone: (313) 577-4311
Impressed Device: No
Install Date: May 8 1950
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00018538
Tank ID: E-6
Owner: Wayne State Univ
Owner Address: FACILITIES PLANNING MGMT 5454 CASS AVE
DETROIT, MI 48202

Owner Phone: (313) 577-4311
Product: Gasoline
Capacity: 550
Tank Status: Closed in Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown

Piping Type: Not reported
Contact: EDWARD A. EVERETT
Contact Phone: (313) 577-4311
Impressed Device: No
Install Date: May 8 1950
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00018538
Tank ID: PS-1
Owner: Wayne State Univ
Owner Address: FACILITIES PLANNING MGMT 5454 CASS AVE
DETROIT, MI 48202

Owner Phone: (313) 577-4311
Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Constr Material: Unknown
Piping Material: Unknown

Piping Type: Not reported
Contact: EDWARD A. EVERETT
Contact Phone: (313) 577-4311
Impressed Device: No
Install Date: May 9 1931
Release Detection:
Tank: Not reported
Pipe: Not reported

39
WSW
1/4-1/2
2621 ft.

FP-2000 LIMITED DIVIDEND HOUSING ASSOCIATION LP
1130 CANFIELD
DETROIT, MI 48225

LUST S105220366
N/A

Relative:
Lower

LUST:
Facility ID: 50005133
Release Number: C-1356-01
Release Date: Jun 25 2001
Facility Status: Closed
District: SE Michigan District Office

Actual:
619 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

FP-2000 LIMITED DIVIDEND HOUSING ASSOCIATION LP (Continued)

EDR ID Number
EPA ID Number

Database(s)

Closed Date: Jun 11 2002
Owner Contact : Not reported
Owner Name : Fp-2000 Limited Dividend Housing Association, Lp
Owner Address : 20020 Harper Ave
Harper Woods, MI 48225
Country : USA
Owner Phone : 313-881-8150
Contact : TOM KRUEGER
Facility Phone : Not reported

S105220366

M40 NATIONAL BANK OF DETROIT (FORMER)
SE 111 MACK AVENUE
1/2-1 DETROIT, MI 48201
2645 ft.

BEA S104912043
N/A

Site 1 of 2 in cluster M

Relative:
Lower

BEA:
Petition Disclosure: 1
BEA Number: 772
District: Southeast MI
Date Received: 12/01/98
Submitter Name: WOODWARD MILLENNIUM LTD. PARTNERSHIP
Petition Determination: Affirmed
Category: No Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: thomask
Division Assigned: Environmental Response Division

N41 MHC-ADULT MENTAL HEALTH DIVISION
NNW 5435 WOODWARD AVE
1/2-1 DETROIT, MI 48202
2681 ft.

LUST U000268623
N/A

Site 1 of 2 in cluster N

Relative:
Higher

Actual:
629 ft.

LUST:
Facility ID: 00014424
Release Number: C-1156-92
Release Date: Jul 13 1992
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Nov 25 1997
Owner Contact : Not reported
Owner Name : OWNER ADDRESS UNKNOWN
Owner Address : Not Recorded
UNKNOWN, MI 00000
Country : USA
Owner Phone : () -
Contact : JAMES L JAWORSKI
Facility Phone : (313) 494-0427

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site
Database(s)
EDR ID Number
EPA ID Number

42
NE
1/2-1
2685 ft.

HUTZEL HOSPITAL
4707 ST. ANTOINE BOULEVARD
DETROIT, MI 48201

LUST 1000488678
MLTS N/A
UST

Relative:
Higher

MLTS:

License Number: 21-03001-01
License Date: 07/24/2002
License Expires: 02/28/2001
Primary Program: Medical Institution Limited
License Use: Research and Development Other
Department: Not reported
Contact Name: RICHARD P. HARVEY/M.S./RSO
States Allowing Use: Not reported
Store Material: No
Redistribution: No
Burial: No
Last Inspection: 09/1996
Inspector Name: GO
Next Inspection: 09/2001

First License Date: 08/29/1957
Institution Code: 3001

Building: Not reported
Contact Phone: 800/321-2207

Incineration: No

Actual:
630 ft.

LUST:

Facility ID: 00002970
Release Number: C-1238-98
Release Date: Dec 8 1998
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Jun 3 1999
Owner Contact : Not reported
Owner Name : Hutzel Hospital
Owner Address : 4707 Saint Antoine St
Detroit, MI 48201
Country : USA
Owner Phone : (313) 745-7008
Contact : JIM WRIGHT
Facility Phone : (313) 745-7008

UST:

Facility ID: 00002970
Tank ID: 1
Owner: Hutzel Hospital
Owner Address: 4707 Saint Antoine St
Detroit, MI 48201
Owner Phone: (313) 745-7008
Product: Diesel
Capacity: 3000
Tank Status: Removed from Ground
Constr Material: Fiberglass Reinforced plastic
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: JIM WRIGHT
Contact Phone: (313) 745-7008
Impressed Device: No
Install Date: May 1 1981
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00002970
Tank ID: 2

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

HUTZEL HOSPITAL (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000488678

Owner: Hutzel Hospital
 Owner Address: 4707 Saint Antoine St
 Detroit, MI 48201
 Owner Phone: (313) 745-7008
 Product: Diesel
 Capacity: 20000
 Tank Status: Currently In Use
 Constr Material: Double Walled,Fiberglass Reinforced plastic
 Piping Material: Double Walled,Fiberglass reinforced plastic
 Piping Type: Suction: Valve at Tank
 Contact: JIM WRIGHT
 Contact Phone: (313) 745-7008
 Impressed Device: No
 Install Date: May 2 1983
 Release Detection:
 Tank: Automatic Tank Gauging
 Pipe: Not reported

Facility ID: 00002970
 Tank ID: 3
 Owner: Hutzel Hospital
 Owner Address: 4707 Saint Antoine St
 Detroit, MI 48201
 Owner Phone: (313) 745-7008
 Product: Diesel
 Capacity: 1000
 Tank Status: Removed from Ground
 Constr Material: Asphalt Coated or Bare Steel
 Piping Material: Bare Steel
 Piping Type: Suction: No Valve At Tank
 Contact: JIM WRIGHT
 Contact Phone: (313) 745-7008
 Impressed Device: No
 Install Date: Jan 1 1975
 Release Detection:
 Tank: Not reported
 Pipe: Not reported

M43
 SE
 1/2-1
 2691 ft.

AMERICAN RED CROSS
100 MACK AVE
DETROIT, MI 48232

LUST 1000486658
 MLTS N/A
 UST

Site 2 of 2 in cluster M

Relative:
 Lower

Actual:
 619 ft.

MLTS:
 License Number: 21-15436-01 First License Date: 12/27/1972
 License Date: 11/23/1992 Institution Code: 15436
 License Expires: 03/31/1994
 Primary Program: In-Vitro Testing Laboratories
 License Use: Not reported
 Department: SOUTHEASTERN MI CHAPTER REGIONAL Building: BLOOD SERVICES RESEARCH LAB
 Contact Name: CRAIG M. JACKSON, PH.D./DIR. Contact Phone: 313-494-2719
 States Allowing Use: Not reported
 Store Material: No
 Redistribution: No Incineration: No
 Burial: No
 Last Inspection: 09/1991
 Inspector Name: CASEY
 Next Inspection: 09/1996

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

AMERICAN RED CROSS (Continued)

Database(s)
EPA ID Number

EDR ID Number
1000486658

LUST:

Facility ID: 00001323
Release Number: C-0305-93
Release Date: Mar 1 1993
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Apr 5 1993
Owner Contact : Not reported
Owner Name : American Red Cross
Owner Address : 100 Mack Ave
Detroit, MI 48201
Country : USA
Owner Phone : (313) 494-2828
Contact : BOB REDYS
Facility Phone : (313) 494-2828

UST:

Facility ID: 00001323
Tank ID: 1
Owner: American Red Cross
Owner Address: 100 Mack Ave
Detroit, MI 48201
Owner Phone: (313) 494-2828
Product: Gasoline
Capacity: 4000
Tank Status: Currently In Use
Constr Material: Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Suction: No Valve At Tank
Contact: BOB REDYS
Contact Phone: (313) 494-2828
Impressed Device: No
Install Date: Aug 29 1980
Release Detection:
Tank: Manual Tank Gauging, Tank Tightness Testing
Pipe: Line Tightness Testing

Facility ID: 00001323
Tank ID: 2
Owner: American Red Cross
Owner Address: 100 Mack Ave
Detroit, MI 48201
Owner Phone: (313) 494-2828
Product: Diesel
Capacity: 2000
Tank Status: Currently In Use
Constr Material: Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Suction: No Valve At Tank
Contact: BOB REDYS
Contact Phone: (313) 494-2828
Impressed Device: No
Install Date: Aug 29 1980
Release Detection:
Tank: Manual Tank Gauging, Tank Tightness Testing
Pipe: Line Tightness Testing

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

AMERICAN RED CROSS (Continued)

1000486658

Facility ID: 00001323
Tank ID: 3
Owner: American Red Cross
Owner Address: 100 Mack Ave
Detroit, MI 48201
Owner Phone: (313) 494-2828
Product: Used Oil
Capacity: 500
Tank Status: Currently In Use
Constr Material: Fiberglass Reinforced plastic
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: BOB REDYS
Contact Phone: (313) 494-2828
Impressed Device: No
Install Date: Aug 29 1980
Release Detection:
Tank: Manual Tank Gauging, Tank Tightness Testing
Pipe: Line Tightness Testing

Facility ID: 00001323
Tank ID: 4
Owner: American Red Cross
Owner Address: 100 Mack Ave
Detroit, MI 48201
Owner Phone: (313) 494-2828
Product: Diesel
Capacity: 550
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel, Galvanized Steel
Piping Type: Suction: Valve at Tank
Contact: BOB REDYS
Contact Phone: (313) 494-2828
Impressed Device: No
Install Date: Aug 29 1980
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00001323
Tank ID: 5
Owner: American Red Cross
Owner Address: 100 Mack Ave
Detroit, MI 48201
Owner Phone: (313) 494-2828
Product: Diesel
Capacity: 1000
Tank Status: Currently In Use
Constr Material: Fiberglass Reinforced plastic
Piping Material: Cathodically Protected, TAPE WRAPPED
Piping Type: Suction: No Valve At Tank
Contact: BOB REDYS
Contact Phone: (313) 494-2828
Impressed Device: No
Install Date: Mar 8 1993

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

AMERICAN RED CROSS (Continued)

1000486658

Release Detection:
 Tank: Manual Tank Gauging, Tank Tightness Testing
 Pipe: Line Tightness Testing

L44
 NNW
 1/2-1
 2767 ft.

CAMPUS VILLAGE
5500 CASS AVENUE
DETROIT, MI 48202

BEA S105768673
 N/A

Site 2 of 2 in cluster L

Relative:
 Higher

BEA:
 Petition Disclosure: 0
 BEA Number: 1852
 District: Southeast MI
 Date Received: 11/01/02
 Submitter Name: Campus Village, Wayne State LLC
 Petition Determination: No Request
 Category: No Hazardous Substance(s)
 Determination 20107A: No Request
 Reviewer: thomask
 Division Assigned: Environmental Response Division

Actual:
 630 ft.

45
 NNE
 1/2-1
 2778 ft.

PAINIA DEVELOPMENT CORP
5200 BRUSH
DETROIT, MI 48202

LUST U000715423
 UST N/A

Relative:
 Higher

LUST:
 Facility ID: 00035812
 Release Number: C-2197-91
 Release Date: Oct 21 1991
 Facility Status: Closed
 District: SE Michigan District Office
 Closed Date: Jan 28 1993
 Owner Contact : Not reported
 Owner Name : Painia Development Corp
 Owner Address : 2990 W GRAND BLVD SUITE 224
 DETROIT, MI 48202
 Country : USA
 Owner Phone : (313) 874-4733
 Contact : RICHARD M. PAWLOWICZ
 Facility Phone : (313) 963-1749

 Facility ID: 00035812
 Release Number: C-2490-91
 Release Date: Oct 22 1991
 Facility Status: Open
 District: SE Michigan District Office
 Closed Date: Not reported
 Owner Contact : Not reported
 Owner Name : Painia Development Corp
 Owner Address : 2990 W GRAND BLVD SUITE 224
 DETROIT, MI 48202
 Country : USA
 Owner Phone : (313) 874-4733
 Contact : RICHARD M. PAWLOWICZ
 Facility Phone : (313) 963-1749

Actual:
 631 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PAINIA DEVELOPMENT CORP (Continued)

U000715423

UST:

Facility ID: 00035812
Tank ID: 1
Owner: Painia Development Corp
Owner Address: 2990 W GRAND BLVD SUITE 224
DETROIT, MI 48202
Owner Phone: (313) 874-4733
Product: Gasoline
Capacity: 2000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: RICHARD M. PAWLOWICZ
Contact Phone: (313) 963-1749
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00035812
Tank ID: 2
Owner: Painia Development Corp
Owner Address: 2990 W GRAND BLVD SUITE 224
DETROIT, MI 48202
Owner Phone: (313) 874-4733
Product: Gasoline
Capacity: 2000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: RICHARD M. PAWLOWICZ
Contact Phone: (313) 963-1749
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00035812
Tank ID: 3
Owner: Painia Development Corp
Owner Address: 2990 W GRAND BLVD SUITE 224
DETROIT, MI 48202
Owner Phone: (313) 874-4733
Product: Not reported
Capacity: 550
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: RICHARD M. PAWLOWICZ
Contact Phone: (313) 963-1749
Impressed Device: No
Install Date: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PAINIA DEVELOPMENT CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

U000715423

Release Detection:
Tank: Not reported
Pipe: Not reported

O46
SE
1/2-1
2800 ft.

AMOCO OIL #5399
3555 WOODWARD / STIMSON
DETROIT, MI 48152

LUST U003320658
UST N/A

Site 1 of 2 in cluster O

Relative:
Lower

LUST:

Actual:
619 ft.

Facility ID: 00005752
Release Number: C-1009-85
Release Date: Jun 1 1989
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Jun 25 1998
Owner Contact : Not reported
Owner Name : Amoco Petroleum Products
Owner Address : Attn: Jeff Weston 17187 N Laurel Park Suite 365
Livonia, MI 48152
Country : USA
Owner Phone : (734) 953-7013
Contact : J.E. WESTON
Facility Phone : (313) 855-8388

UST:

Facility ID: 00005752
Tank ID: 1
Owner: Amoco Petroleum Products
Owner Address: Attn: Jeff Weston 17187 N Laurel Park Suite 365
Livonia, MI 48152
Owner Phone: (734) 953-7013
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Constr Material: Fiberglass Reinforced plastic,Lined Interior
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: J.E. WESTON
Contact Phone: (313) 855-8388
Impressed Device:No
Install Date: Apr 28 1965
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00005752
Tank ID: 2
Owner: Amoco Petroleum Products
Owner Address: Attn: Jeff Weston 17187 N Laurel Park Suite 365
Livonia, MI 48152
Owner Phone: (734) 953-7013
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Constr Material: Fiberglass Reinforced plastic,Lined Interior
Piping Material: Galvanized Steel
Piping Type: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

AMOCO OIL #5399 (Continued)

U003320658

Contact: J.E. WESTON
Contact Phone: (313) 855-8388
Impressed Device: No
Install Date: Apr 28 1965
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00005752
Tank ID: 3
Owner: Amoco Petroleum Products
Owner Address: Attn: Jeff Weston 17187 N Laurel Park Suite 365
Livonia, MI 48152
Owner Phone: (734) 953-7013
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Constr Material: Fiberglass Reinforced plastic, Lined Interior
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: J.E. WESTON
Contact Phone: (313) 855-8388
Impressed Device: No
Install Date: Apr 28 1965
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00005752
Tank ID: 4
Owner: Amoco Petroleum Products
Owner Address: Attn: Jeff Weston 17187 N Laurel Park Suite 365
Livonia, MI 48152
Owner Phone: (734) 953-7013
Product: Gasoline
Capacity: 8000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: J.E. WESTON
Contact Phone: (313) 855-8388
Impressed Device: No
Install Date: Apr 28 1966
Release Detection:
Tank: Not reported
Pipe: Not reported

P47
South
1/2-1
2859 ft.

GERI'S AUTO SERVICE
3574 2ND AVE
DETROIT, MI 48201

LUST U003323281
UST N/A

Site 1 of 2 in cluster P

Relative:
Lower

LUST:
Facility ID: 00015274
Release Number: C-0318-01
Release Date: May 21 2001
Facility Status: Closed

Actual:
617 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

GERI'S AUTO SERVICE (Continued)

U003323281

District: SE Michigan District Office
Closed Date: Jan 31 2002
Owner Contact : Not reported
Owner Name : Matt Tatarian
Owner Address : 3574 2nd Ave
Detroit, MI 48201
Country : USA
Owner Phone : (313) 832-5151
Contact : GERI HANKE
Facility Phone : (313) 832-5151

UST:

Facility ID: 00015274
Tank ID: 1
Owner: Matt Tatarian
Owner Address: 3574 2nd Ave
Detroit, MI 48201
Owner Phone: (313) 832-5151
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel,Lined Interior
Piping Material: Galvanized Steel,Unknown
Piping Type: Suction: No Valve At Tank
Contact: GERI HANKE
Contact Phone: (313) 832-5151
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Inventory Control,Manual Tank Gauging
Pipe: Not reported

Facility ID: 00015274
Tank ID: 2
Owner: Matt Tatarian
Owner Address: 3574 2nd Ave
Detroit, MI 48201
Owner Phone: (313) 832-5151
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel,Lined Interior
Piping Material: Galvanized Steel,Unknown
Piping Type: Suction: No Valve At Tank
Contact: GERI HANKE
Contact Phone: (313) 832-5151
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Inventory Control,Manual Tank Gauging
Pipe: Not reported

Facility ID: 00015274
Tank ID: 3
Owner: Matt Tatarian
Owner Address: 3574 2nd Ave
Detroit, MI 48201
Owner Phone: (313) 832-5151

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GERI'S AUTO SERVICE (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003323281

Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel,Lined Interior
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Contact: GERI HANKE
Contact Phone: (313) 832-5151
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Inventory Control,Manual Tank Gauging
Pipe: Not reported

Facility ID: 00015274
Tank ID: 4
Owner: Matt Tatarian
Owner Address: 3574 2nd Ave
Detroit, MI 48201
Owner Phone: (313) 832-5151
Product: Gasoline
Capacity: 500
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel,Lined Interior
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: GERI HANKE
Contact Phone: (313) 832-5151
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00015274
Tank ID: 5
Owner: Matt Tatarian
Owner Address: 3574 2nd Ave
Detroit, MI 48201
Owner Phone: (313) 832-5151
Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Not reported
Piping Type: Not reported
Contact: GERI HANKE
Contact Phone: (313) 832-5151
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00015274
Tank ID: 6
Owner: Matt Tatarian

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

GERI'S AUTO SERVICE (Continued)

EDR ID Number
 EPA ID Number

Database(s)

U003323281

Owner Address: 3574 2nd Ave
 Detroit, MI 48201
 Owner Phone: (313) 832-5151
 Product: Gasoline
 Capacity: 1000
 Tank Status: Removed from Ground
 Constr Material: Asphalt Coated or Bare Steel
 Piping Material: Bare Steel
 Piping Type: Suction: No Valve At Tank
 Contact: GERI HANKE
 Contact Phone: (313) 832-5151
 Impressed Device: No
 Install Date: Not reported
 Release Detection:
 Tank: Not reported
 Pipe: Not reported

N48 MICHIGAN HEALTH CARE CENTER(FORMER)
NNW 5435, 5501 / 5701 WOODWARD AVE.
1/2-1 DETROIT, MI
2874 ft.

BEA S104911065
 N/A

Site 2 of 2 in cluster N

Relative:
 Higher

BEA:
 Petition Disclosure: 0
 BEA Number: 350
 District: Southeast MI
 Date Received: 06/03/97
 Submitter Name: WAYNE STATE UNIVERSITY
 Petition Determination: No Request
 Category: No Hazardous Substance(s)
 Determination 20107A: No Request
 Reviewer: tempm
 Division Assigned: Storage Tank Division

Actual:
 630 ft.

P49 DETROIT MEDICAL CENTER
South SECOND / MYRTLE
1/2-1 DETROIT, MI
2966 ft.

BEA S104910272
 N/A

Site 2 of 2 in cluster P

Relative:
 Lower

BEA:
 Petition Disclosure: 1
 BEA Number: 162
 District: Southeast MI
 Date Received: 08/26/96
 Submitter Name: DETROIT MEDICAL CENTER
 Petition Determination: Affirmed
 Category: No Hazardous Substance(s)
 Determination 20107A: Pending
 Reviewer: russelje
 Division Assigned: Environmental Response Division

Actual:
 616 ft.

MAP FINDINGS

Map ID			
Direction			
Distance			
Distance (ft.)			EDR ID Number
Elevation	Site	Database(s)	EPA ID Number

O50 SE 1/2-1 2976 ft.	MIDAS MUFFLER & BRAKE SHOP/ AMER.RED CRO 3510 WOODWARD AVENUE DETROIT, MI 48201	LUST BEA	S102726359 N/A
--	--	---------------------------	---------------------------------

Site 2 of 2 in cluster O

Relative:
Lower

Actual:
619 ft.

LUST:
 Facility ID: 50001945
 Release Number: C-0876-96
 Release Date: Oct 29 1996
 Facility Status: Closed
 District: SE Michigan District Office
 Closed Date: Dec 29 1997
 Owner Contact : Not reported
 Owner Name : OWNER ADDRESS UNKNOWN
 Owner Address : Not Recorded
 UNKNOWN, MI 00000
 Country : USA
 Owner Phone : () -
 Contact : Not reported
 Facility Phone : () -

BEA:
 Petition Disclosure: 1
 BEA Number: 129
 District: Southeast MI
 Date Received: 09/20/96
 Submitter Name: AMERICAN RED CROSS
 Petition Determination: No Request
 Category: Same Hazardous Substance(s)
 Determination 20107A: No Request
 Reviewer: tempmm
 Division Assigned: Storage Tank Division

51 NNE 1/2-1 3032 ft.	CULTURAL GARDENS 5200 BEAUBIEN DETROIT, MI 48202	LUST UST	U003325682 N/A
--	---	---------------------------	---------------------------------

Relative:
Higher

Actual:
629 ft.

LUST:
 Facility ID: 00035598
 Release Number: C-2050-91
 Release Date: Oct 3 1991
 Facility Status: Closed
 District: SE Michigan District Office
 Closed Date: Aug 10 1993
 Owner Contact : Not reported
 Owner Name : Painia Development Corp
 Owner Address : 2990 W GRAND BLVD SUITE 224
 DETROIT, MI 48202
 Country : USA
 Owner Phone : (313) 874-4733
 Contact : RICHARD M. PAWLOWICZ
 Facility Phone : (313) 963-1749

UST:
 Facility ID: 00035598
 Tank ID: 1
 Owner: Painia Development Corp
 Owner Address: 2990 W GRAND BLVD SUITE 224
 DETROIT, MI 48202
 Owner Phone: (313) 874-4733

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CULTURAL GARDENS (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003325682

Product: Gasoline
Capacity: 2000
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: RICHARD M. PAWLOWICZ
Contact Phone: (313) 963-1749
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00035598
Tank ID: 2
Owner: Painia Development Corp
Owner Address: 2990 W GRAND BLVD SUITE 224
DETROIT, MI 48202
Owner Phone: (313) 874-4733
Product: Used Oil
Capacity: 550
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Not reported
Contact: RICHARD M. PAWLOWICZ
Contact Phone: (313) 963-1749
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

52
NNW
1/2-1
3072 ft.

BEST BUY SERVICE
5564 WOODWARD AVE
DETROIT, MI 48202

LUST U003325504
UST N/A

Relative:
Higher

Actual:
629 ft.

LUST:
Facility ID: 00034978
Release Number: C-0214-01
Release Date: Apr 2 2001
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Hassan Hammoud
Owner Address : 7753 Hartwell St
Dearborn, MI 48126
Country : USA
Owner Phone : (313) 584-1780
Contact : HASSAN HAMMOND
Facility Phone : (313) 875-0595

UST:
Facility ID: 00034978
Tank ID: 1
Owner: Hassan Hammoud

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

BEST BUY SERVICE (Continued)

U003325504

Owner Address: 7753 Hartwell St
Dearborn, MI 48126
Owner Phone: (313) 584-1780
Product: Gasoline
Capacity: 10000
Tank Status: Removed from Ground
Constr Material: Not reported
Piping Material: Not reported
Piping Type: Not reported
Contact: HASSAN HAMMOND
Contact Phone: (313) 875-0595
Impressed Device: Yes
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00034978
Tank ID: 2
Owner: Hassan Hammoud
Owner Address: 7753 Hartwell St
Dearborn, MI 48126
Owner Phone: (313) 584-1780
Product: Gasoline
Capacity: 8000
Tank Status: Removed from Ground
Constr Material: Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: HASSAN HAMMOND
Contact Phone: (313) 875-0595
Impressed Device: Yes
Install Date: Not reported
Release Detection:
Tank: Automatic Tank Gauging, Inventory Control, Manual Tank Gauging
Pipe: Automatic Line Leak Detectors

Facility ID: 00034978
Tank ID: 3
Owner: Hassan Hammoud
Owner Address: 7753 Hartwell St
Dearborn, MI 48126
Owner Phone: (313) 584-1780
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Constr Material: Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: HASSAN HAMMOND
Contact Phone: (313) 875-0595
Impressed Device: Yes
Install Date: Not reported
Release Detection:
Tank: Automatic Tank Gauging, Inventory Control, Manual Tank Gauging
Pipe: Automatic Line Leak Detectors

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BEST BUY SERVICE (Continued)

Database(s) EDR ID Number
EPA ID Number

U003325504

Facility ID: 00034978
Tank ID: 4
Owner: Hassan Hammoud
Owner Address: 7753 Hartwell St
Dearborn, MI 48126
Owner Phone: (313) 584-1780
Product: Diesel
Capacity: 4000
Tank Status: Removed from Ground
Constr Material: Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: HASSAN HAMMOND
Contact Phone: (313) 875-0595
Impressed Device: Yes
Install Date: Not reported
Release Detection:
Tank: Automatic Tank Gauging, Inventory Control, Manual Tank Gauging
Pipe: Automatic Line Leak Detectors

Facility ID: 00034978
Tank ID: 5
Owner: Hassan Hammoud
Owner Address: 7753 Hartwell St
Dearborn, MI 48126
Owner Phone: (313) 584-1780
Product: Used Oil
Capacity: 550
Tank Status: Removed from Ground
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Galvanized Steel
Piping Type: Gravity Fed?
Contact: HASSAN HAMMOND
Contact Phone: (313) 875-0595
Impressed Device: Yes
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00034978
Tank ID: 6
Owner: Hassan Hammoud
Owner Address: 7753 Hartwell St
Dearborn, MI 48126
Owner Phone: (313) 584-1780
Product: Gasoline
Capacity: 20000
Tank Status: Currently In Use
Constr Material: Not reported
Piping Material: Not reported
Piping Type: Not reported
Contact: HASSAN HAMMOND
Contact Phone: (313) 875-0595
Impressed Device: No
Install Date: May 1 2001

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

MAP FINDINGS

Database(s)
EPA ID Number
EDR ID Number

BEST BUY SERVICE (Continued)

U003325504

Release Detection:

Tank: Not reported
Pipe: Not reported

Facility ID: 00034978
Tank ID: 7
Owner: Hassan Hammoud
Owner Address: 7753 Hartwell St
Dearborn, MI 48126
Owner Phone: (313) 584-1780
Product: Gasoline
Capacity: 20000
Tank Status: Currently In Use
Constr Material: Double Walled,Fiberglass Reinforced plastic
Piping Material: Double Walled
Piping Type: Pressure
Contact: HASSAN HAMMOND
Contact Phone: (313) 875-0595
Impressed Device: No
Install Date: Apr 27 2001
Release Detection:
Tank: Automatic Tank Gauging,Vapor Monitoring
Pipe: Line Tightness Testing

Facility ID: 00034978
Tank ID: 8
Owner: Hassan Hammoud
Owner Address: 7753 Hartwell St
Dearborn, MI 48126
Owner Phone: (313) 584-1780
Product: Gasoline
Capacity: 11000
Tank Status: Currently In Use
Constr Material: Double Walled,Fiberglass Reinforced plastic
Piping Material: Double Walled
Piping Type: Pressure
Contact: HASSAN HAMMOND
Contact Phone: (313) 875-0595
Impressed Device: No
Install Date: Apr 27 2001
Release Detection:
Tank: Automatic Tank Gauging,Vapor Monitoring
Pipe: Line Tightness Testing

Facility ID: 00034978
Tank ID: 9
Owner: Hassan Hammoud
Owner Address: 7753 Hartwell St
Dearborn, MI 48126
Owner Phone: (313) 584-1780
Product: Diesel,Kerosene
Capacity: 500
Tank Status: Removed from Ground
Constr Material: Double Walled,Fiberglass Reinforced plastic
Piping Material: Double Walled
Piping Type: Pressure
Contact: HASSAN HAMMOND

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)
 EDR ID Number
 EPA ID Number

BEST BUY SERVICE (Continued)

U003325504

Contact Phone: (313) 875-0595
 Impressed Device: No
 Install Date: May 1 2001
 Release Detection:
 Tank: Automatic Tank Gauging, Vapor Monitoring
 Pipe: Line Tightness Testing

53
North
> 1
5511 ft.

MCI INC
666 HARPER
DETROIT, MI 48202

RCRIS-SQG **1000138214**
SHWS **MID981190531**
FINDS

Relative:
Higher

Actual:
633 ft.

RCRIS:
 Owner: MUIR ROBERT
 (312) 555-1212
 EPA ID: MID981190531
 Contact: STEVEN MUIR
 (313) 871-1161
 Classification: Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)
 Facility Registry System (FRS)
 ICIS
 Resource Conservation and Recovery Act Information system (RCRAINFO)

SHWS:

Facility ID: 82000114
 Facility Status: Active
 Source: Misc Metal Work
 Pollutant(s): Acetic Acid, Chromic Acid, Methylene Chloride
 SAM Score: 18
 SAM Score Date: 10/18/1991
 Township: 01S
 Range: 12E
 Section: 31
 Quarter: S
 Quarter/Quarter: N

54
North
> 1
5821 ft.

GMC CHEVROLET DETROIT ASSEMBLY
601 PIQUETTE
DETROIT, MI 48202

RCRIS-SQG **1000106685**
FINDS **MID076380583**
RCRIS-TSD
CORRACTS
CERC-NFRAP

Relative:
Higher

Actual:
634 ft.

CERCLIS-NFRAP Classification Data:
 Site Incident Category: Not reported
 Federal Facility: Not a Federal Facility
 Non NPL Code: DR
 Ownership Status: Unknown
 NPL Status: Not on the NPL
 CERCLIS-NFRAP Assessment History:
 Assessment: DISCOVERY
 Completed: 06/03/1993
 Assessment: PRELIMINARY ASSESSMENT
 Completed: 11/30/1993
 Assessment: ARCHIVE SITE
 Completed: 12/18/1995

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GMC CHEVROLET DETROIT ASSEMBLY (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000106685

CERCLIS-NFRAP Alias Name(s):
FORMERLY GMC TRUCK AND BUS GROUP

CORRACTS Data:

EPA Id: MID076380583
Region: 5
State: MI
Area Name: ENTIRE FACILITY
Original Scheduled Date: Not reported
New Scheduled Date: 09/30/1993
Actual Date: Not reported
Corrective Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority

EPA Id: MID076380583
Region: 5
State: MI
Area Name: ENTIRE FACILITY
Original Scheduled Date: Not reported
New Scheduled Date: 03/31/1994
Actual Date: Not reported
Corrective Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the,status of corrective action work at the facility, technical factors,the degree of risk, timing considerations and administrative considerations

RCRIS Corrective Action Summary:

Event: Stabilization Measures Evaluation,This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.

Event Date: 03/31/1994

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event Date: 09/30/1993

RCRIS:

Owner: GMC CHEVROLET DETROIT ASSEMBLY
(313) 556-6325

EPA ID: MID076380583

Contact: F QUAKENBUSH
(313) 556-6325

Classification: TSDF
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 05/22/1990
Actual Date Achieved Compliance: 10/22/1990

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/17/1990
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

GMC CHEVROLET DETROIT ASSEMBLY (Continued)

1000106685

Date Violation Determined: 05/16/1989
 Actual Date Achieved Compliance: 06/19/1989
 Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 05/31/1989
 Penalty Type: Not reported
 Regulation Violated: Not reported
 Area of Violation: TSD-LAND BAN REQUIREMENTS
 Date Violation Determined: 05/16/1989
 Actual Date Achieved Compliance: 06/19/1989
 Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 05/31/1989
 Penalty Type: Not reported
 Regulation Violated: Not reported
 Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
 Date Violation Determined: 03/03/1989
 Actual Date Achieved Compliance: 05/10/1989
 Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 04/05/1989
 Penalty Type: Not reported

There are 4 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19901022
Compliance Evaluation Inspection	GENERATOR-LAND BAN REQUIREMENTS	19890619
	TSD-LAND BAN REQUIREMENTS	19890619
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19890510

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 AIRS Facility System (AIRS/AFS)
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)
 Toxic Chemical Release Inventory System (TRIS)

55 **CAMEO COLOR COAT**
North **6051 HASTINGS**
> 1 **DETROIT, MI 48211**
5868 ft.

RCRIS-SQG **1000209120**
SHWS **MID980568646**
FINDS
CORRACTS

Relative:
Higher

CORRACTS Data:

Actual:
636 ft.

EPA Id: MID980568646
 Region: 5
 State: MI
 Area Name: ENTIRE FACILITY
 Original Scheduled Date: Not reported
 New Scheduled Date: 03/31/1992
 Actual Date: Not reported
 Corrective Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CAMEO COLOR COAT (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000209120

RCRIS Corrective Action Summary:

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

RCRIS:

Owner: GMC FISHER BODY DETROIT CENTRAL PLT 21
 (313) 556-1156
 EPA ID: MID980568646
 Contact: PETER BARCLAE
 (313) 873-1131

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	TSD-PERMIT CONDITION
Date Violation Determined:	12/18/2001
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/18/2001
Penalty Type:	Not reported

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

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Non-Financial Record Review	TSD-PERMIT CONDITION	

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

SHWS:

Facility ID: 82001589
 Facility Status: No Action Taken
 Source: Fabricated Metal Products
 Pollutant(s): TOLUENE, ETHYLBENZEN, ZYLENE, PCA, PCB, PB, As, Cr, Ag, benzo(a)
 SAM Score: 32
 SAM Score Date: 11/12/1998
 Township: 15
 Range: 12E
 Section: 31
 Quarter: N
 Quarter/Quarter: S

56
 NNE
 > 1
 5940 ft.

GMC FISHER BODY DETROIT CENT PLTS 40
 1500 E FERRY
 DETROIT, MI 48211

RCRIS-SQG 1000114185
 FINDS MID005356746
 RCRIS-TSD
 CORRACTS
 CERC-NFRAP

Relative:
 Higher

Actual:
 633 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

GMC FISHER BODY DETROIT CENT PLTS 40 (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000114185

CERCLIS-NFRAP Classification Data:

Site Incident Category:	Not reported	Federal Facility:	Not a Federal Facility
Non NPL Code:	DR		
Ownership Status:	Unknown	NPL Status:	Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment:	DISCOVERY	Completed:	04/04/1991
Assessment:	PRELIMINARY ASSESSMENT	Completed:	08/23/1992
Assessment:	ARCHIVE SITE	Completed:	12/19/1995

CORRACTS Data:

EPA Id:	MID005356746
Region:	5
State:	MI
Area Name:	ENTIRE FACILITY
Original Scheduled Date:	Not reported
New Scheduled Date:	08/30/1991
Actual Date:	Not reported
Corrective Action:	CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary

EPA Id:	MID005356746
Region:	5
State:	MI
Area Name:	ENTIRE FACILITY
Original Scheduled Date:	Not reported
New Scheduled Date:	12/31/1991
Actual Date:	Not reported
Corrective Action:	CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority

EPA Id:	MID005356746
Region:	5
State:	MI
Area Name:	ENTIRE FACILITY
Original Scheduled Date:	Not reported
New Scheduled Date:	08/30/1991
Actual Date:	Not reported
Corrective Action:	CA050 - RFA Completed

RCRIS Corrective Action Summary:

Event:	CA Prioritization, Facility or area was assigned a low corrective action priority.
Event Date:	12/31/1991
Event:	RFA Completed
Event Date:	08/30/1991
Event:	RFA Determination Of Need For An RFI, RFI is Necessary;
Event Date:	08/30/1991

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

GMC FISHER BODY DETROIT CENT PLTS 40 (Continued)

1000114185

RCRIS:

Owner: NAME NOT REPORTED
(312) 555-1212
EPA ID: MID005356746
Contact: JOHN ZAMMIT
(313) 556-1156

Classification: TSD
TSD Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DETROIT	S104909468	PROPERTY ON WOODWARD BETWEEN CANFIELD & A	52 / 62 GARFIELD, 45 TO 57 E. GARFIELD		BEA
DETROIT	S104912293	WOODWARD & GARFIELD, LLC	52 / 62 E. GARFIELD /		BEA
DETROIT	89106671	BACK OF PROPERTY BY GARAGE, ENTRANCE TO AREA IS 9100 SAINT ST	BACK OF PROPERTY BY GARAGE, ENTRANCE AREA IS 9100 SAINT ST		ERNS
DETROIT	S104911775	SCOTTEN AVENUE PROPERTY	BOUNDED BY W. FORT ST., SCOTTEN AVE.,		BEA
DETROIT	S104911691	FORT AND CLARK STREET PROPERTY	BOUNDED BY FORT ST., CLARK AVE.,		BEA
DETROIT	1001493295	WAYNE STATE UNIV SCHL OF MEDICINE	540 EAST CANFIELD	48202	FINDS, RCRIS-LQG
DETROIT	1004725374	WAYNE STATE U - LOUIS ELLIMAN BLDG	421 E CANFIELD AVE	48202	RCRIS-SQG, FINDS
DETROIT	1004725379	WAYNE STATE U-HELEN V PRENTIS LANDE BLDG	550 E CANFIELD AVE	48202	RCRIS-SQG, FINDS
DETROIT	S105768335	DETROIT RIVER SEDIMENTS	1370 CASS AVENUE / 315 BAGLEY		BEA
DETROIT	1003871569	GENERAL DIE CASTING	31 DEPOSITIONAL AREAS ALONG RI	48201	SHWS, CERC-NFRAP
DETROIT	S105144805	CHESAPEAKE PROPERTIES	13700 MT. ELLIOT		SHWS
DETROIT	S103594578	PACKARD PLANT (FORMER)	FORT ST WAREHOUSE		SHWS
DETROIT	S104005128	WAYNE STATE U - MOTT CENTER	GRAND BLVD. AT CONCORD		SHWS
DETROIT	1004725373	WAYNE STATE UNIV PHYSICS BLDG	275 E HANCOCK AVE	48202	RCRIS-SQG, FINDS
DETROIT	1004725381	WAYNE STATE UNIV - BIOMECHANICS	666 W HANCOCK AVE	48202	RCRIS-SQG, FINDS
DETROIT	1004725382	LOT BEHIND PROPERTY 9154 LIVENOR	818 W HANCOCK AVE	48202	RCRIS-SQG, FINDS
DETROIT	94380034	I-94 INDUSTRIAL PARK	LOT BEHIND PROPERTY 9154 LIVENOR		ERNS
DETROIT	S105144847	WELCOME CENTER DEVELOPMENT	MILLER, ST. CYRIL, HUBER, MT. ELLIOT		SHWS
DETROIT	S105144800	UNISYS WORLD HQ DETROIT	NEAR VERNOR AND BAGLEY STREET OFF FIS		SHWS
DETROIT	S103095077	SECOND BLVD. REALTY CO. PROPERTY	ONE UNISYS PLACE		SHWS
DETROIT	S104911221	RUSSELL/WATSON ST NR EASTERN MKT	PORTION OF UNISYS WORLD HQ PROPERTY		BEA
DETROIT	S105144855	SIX ACRE PROPERTY (MULTIPLE PARCELS)	3011 RUSSEL ST	48207	SHWS
DETROIT	S105768687	EUMET RECYCLING	SECOND AND YORK STREETS		BEA
DETROIT	1002943552	GENERAL ELECTRIC PROPERTY (FORMERLY)	9110 ST STEPHENS		SHWS
DETROIT	S104909973	MIDOT BRIDGE I-75 UNDER CASS AVE	THIRD / SECOND AVENUE		BEA
DETROIT	1001485377	MIDOT BRIDGE I-75 UNDER BRUSH ST	I-75 UNDER CASS AVE	48201	FINDS, RCRIS-LQG
DETROIT	1001485379	AMOCO OIL CO 6330	I-75 UNDER BRUSH ST	48201	FINDS, RCRIS-LQG
DETROIT	1000529534	WARREN PLAZA CLEANERS	W WARREN	48201	RCRIS-SQG, FINDS
DETROIT	1004722243	FRIGID FOOD PRODUCTS, INC	520 E WARREN	48201	RCRIS-SQG, FINDS
DETROIT	U003867330	WAYNE STATE UNIVERSITY	599 E WARREN AVE	48201	UST
DETROIT	S105768173		WARREN AND EVERGREEN		BEA
DETROIT	1006808420		5325 WOODWARD AVE	48202	RCRIS-SQG

EPA Waste Codes Addendum

Code	Description
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D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA
Telephone: N/A

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

Date of Government Version: 04/30/03
Date Made Active at EDR: 06/02/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/05/03
Elapsed ASTM days: 28
Date of Last EDR Contact: 05/09/03

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Source: EPA
Telephone: N/A

Date of Government Version: 04/30/03
Date Made Active at EDR: 06/02/03
Database Release Frequency: Semi-Annually

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

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

Source: EPA
Telephone: 703-413-0223

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

Date of Government Version: 03/19/03
Date Made Active at EDR: 04/08/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/24/03
Elapsed ASTM days: 15
Date of Last EDR Contact: 06/23/03

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA
Telephone: 703-413-0223

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/19/03
Date Made Active at EDR: 04/08/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/24/03
Elapsed ASTM days: 15
Date of Last EDR Contact: 06/23/03

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/31/03
Date Made Active at EDR: 05/08/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 04/07/03
Elapsed ASTM days: 31
Date of Last EDR Contact: 06/09/03

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

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

Date of Government Version: 05/09/03
Date Made Active at EDR: 07/01/03
Database Release Frequency: Varies

Date of Data Arrival at EDR: 05/09/03
Elapsed ASTM days: 53
Date of Last EDR Contact: 06/26/03

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard

Telephone: 202-260-2342

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

Date of Government Version: 12/31/02
Date Made Active at EDR: 02/03/03
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/27/03
Elapsed ASTM days: 7
Date of Last EDR Contact: 04/28/03

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

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

Date of Government Version: 12/31/99
Database Release Frequency: Biennially

Date of Last EDR Contact: 06/16/03
Date of Next Scheduled EDR Contact: 09/15/03

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

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

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

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

ROD: Records Of Decision

Source: EPA

Telephone: 703-416-0223

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/09/03
Database Release Frequency: Annually

Date of Last EDR Contact: 07/07/03
Date of Next Scheduled EDR Contact: 10/06/03

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: N/A

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

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

Date of Last EDR Contact: 05/05/03
Date of Next Scheduled EDR Contact: 08/04/03

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

Source: EPA
Telephone: N/A

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

Date of Government Version: 03/19/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/02/03
Date of Next Scheduled EDR Contact: 10/06/03

HMIRS: Hazardous Materials Information Reporting System

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

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

Date of Government Version: 01/31/03
Database Release Frequency: Annually

Date of Last EDR Contact: 04/30/03
Date of Next Scheduled EDR Contact: 07/21/03

MLTS: Material Licensing Tracking System

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

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

Date of Government Version: 04/23/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/02/03
Date of Next Scheduled EDR Contact: 10/06/03

MINES: Mines Master Index File

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

Date of Government Version: 03/11/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/30/03
Date of Next Scheduled EDR Contact: 09/29/03

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 205-564-4267

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Last EDR Contact: 05/27/03
Date of Next Scheduled EDR Contact: 08/25/03

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-564-3887

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

Date of Government Version: 03/26/03
Database Release Frequency: Annually

Date of Last EDR Contact: 05/12/03
Date of Next Scheduled EDR Contact: 08/11/03

DOD: Department of Defense Sites

Source: USGS

Telephone: 703-648-5920

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: 04/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/12/03
Date of Next Scheduled EDR Contact: 08/11/03

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

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

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

Date of Last EDR Contact: 06/09/03
Date of Next Scheduled EDR Contact: 09/08/03

TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-260-1531

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: 12/31/00
Database Release Frequency: Annually

Date of Last EDR Contact: 06/27/03
Date of Next Scheduled EDR Contact: 09/22/03

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-5521

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

Date of Government Version: 12/31/98
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 06/09/03
Date of Next Scheduled EDR Contact: 09/08/03

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

Source: EPA

Telephone: 202-564-2501

Date of Government Version: 04/15/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/23/03
Date of Next Scheduled EDR Contact: 09/22/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Source: EPA

Telephone: 202-564-5008

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

Date of Government Version: 12/31/00

Database Release Frequency: Annually

Date of Last EDR Contact: 05/09/03

Date of Next Scheduled EDR Contact: 07/21/03

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

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

Telephone: 202-564-2501

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

Date of Government Version: 04/15/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/23/03

Date of Next Scheduled EDR Contact: 09/22/03

STATE OF MICHIGAN ASTM STANDARD RECORDS

SHWS: Contaminated Sites

Source: Department of Environmental Quality

Telephone: 517-373-9541

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

Date of Government Version: 05/22/03

Date Made Active at EDR: 06/03/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/27/03

Elapsed ASTM days: 7

Date of Last EDR Contact: 05/27/03

SWF/LF: Solid Waste Facilities Database

Source: Department of Environmental Quality

Telephone: 517-335-4035

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

Date of Government Version: 05/21/03

Date Made Active at EDR: 06/17/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/27/03

Elapsed ASTM days: 21

Date of Last EDR Contact: 05/20/03

LUST: Leaking Underground Storage Tank Sites

Source: Department of Environmental Quality

Telephone: 517-373-8168

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

Date of Government Version: 06/14/03

Date Made Active at EDR: 07/03/03

Database Release Frequency: Annually

Date of Data Arrival at EDR: 06/17/03

Elapsed ASTM days: 16

Date of Last EDR Contact: 06/17/03

UST: Underground Storage Tank Facility List

Source: Department of Environmental Quality

Telephone: 517-373-8168

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/17/03
Date Made Active at EDR: 07/17/03
Database Release Frequency: Annually

Date of Data Arrival at EDR: 06/14/03
Elapsed ASTM days: 33
Date of Last EDR Contact: 06/17/03

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

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

Date of Government Version: 03/19/03
Date Made Active at EDR: 04/11/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 03/19/03
Elapsed ASTM days: 23
Date of Last EDR Contact: 06/16/03

INDIAN UST: Underground Storage Tanks on Indian Land

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

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

Date of Data Arrival at EDR: 11/12/02
Elapsed ASTM days: 22
Date of Last EDR Contact: 05/27/03

HIST LF: Inactive Solid Waste Facilities

Source: Department of Environmental Quality
Telephone: 517-335-4034
The database contains historical information and is no longer updated.

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

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

STATE OF MICHIGAN ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Tanks

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

Date of Government Version: 07/09/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/16/03
Date of Next Scheduled EDR Contact: 09/15/03

EDR PROPRIETARY HISTORICAL DATABASES

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

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

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

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

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

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of Regulatory Services

Telephone: 517-373-8300

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®]- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WSU TOWER PROPERTY
4500 CASS AVENUE
DETROIT, MI 48201

TARGET PROPERTY COORDINATES

Latitude (North):	42.353199 - 42° 21' 11.5"
Longitude (West):	83.063698 - 83° 3' 49.3"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	330029.5
UTM Y (Meters):	4690841.5
Elevation:	625 ft. above sea level

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

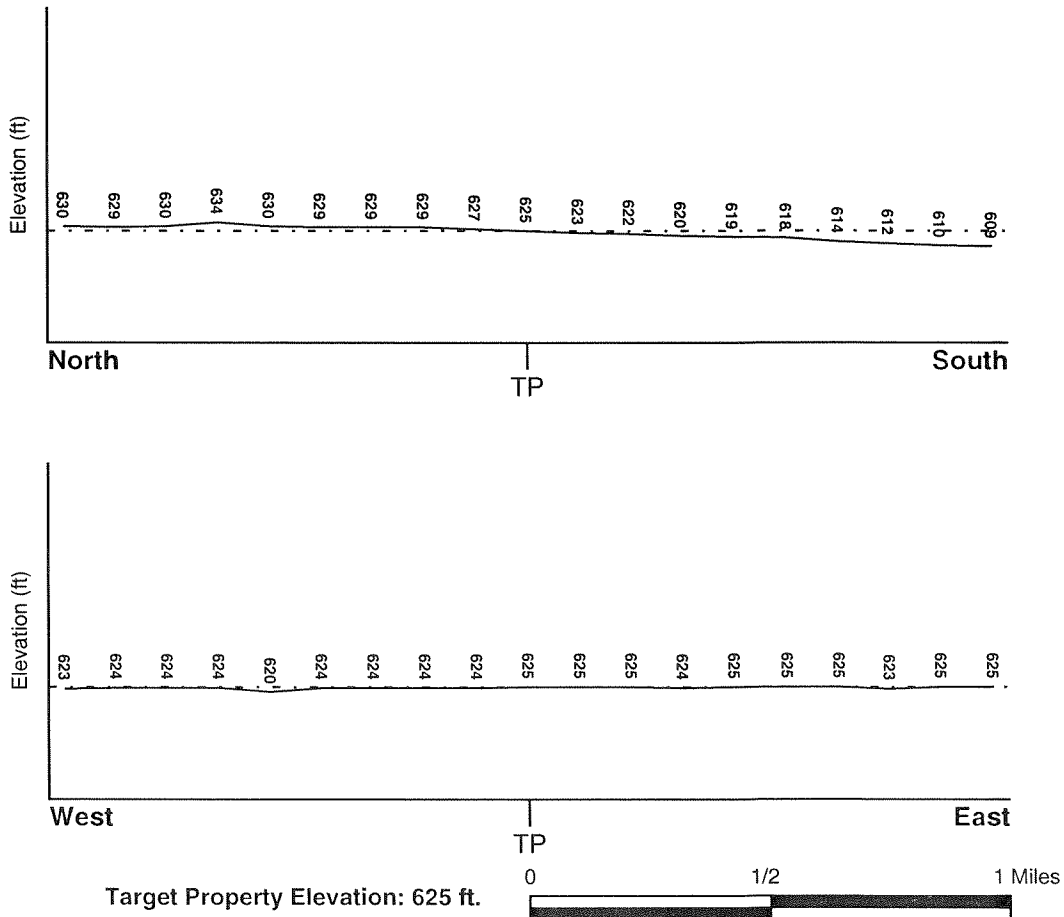
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map: 2442083-C1 DETROIT, MI CA08
General Topographic Gradient: General South
Source: USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

<u>Target Property County</u> WAYNE, MI	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
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Flood Plain Panel at Target Property: 2602220030B

Additional Panels in search area: 2602220010B
2602220035B

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> DETROIT	<u>NWI Electronic Data Coverage</u> Not Available
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HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

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

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	0 - 1/8 Mile NNE	Varies
2	1/2 - 1 Mile West	NNW

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

Era: Paleozoic
 System: Devonian
 Series: Middle Devonian
 Code: D2 (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: URBANLAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

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

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

OTHER SOIL TYPES IN AREA

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

Soil Surface Textures: clay loam
loamy fine sand
loamy sand

Surficial Soil Types: clay loam
loamy fine sand
loamy sand

Shallow Soil Types: sand
silty clay

Deeper Soil Types: silt loam
sand
clay loam
silty clay

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

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

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
---------------	----------------	-------------------------

GEOCHECK[®] - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

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

STATE DATABASE WELL INFORMATION

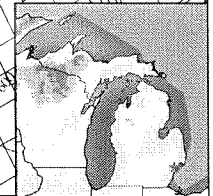
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 11021681.3p



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

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



TARGET PROPERTY: WSU Tower Property ADDRESS: 4500 Cass Avenue CITY/STATE/ZIP: Detroit MI 48201 LAT/LONG: 42.3532 / 83.0637	CUSTOMER: NTH Consultants Ltd. CONTACT: Joe Sullivan INQUIRY #: 11021681.3p DATE: July 31, 2003 9:37 am
---	--

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
1	NNE	0 - 1/8 Mile	Higher		
	Site ID:	0509911310			
	Groundwater Flow:	Varies		AQUIFLOW	35311
	Shallowest Water Table Depth:	Not Reported			
	Deepest Water Table Depth:	Not Reported			
	Average Water Table Depth:	6.5			
	Date:	01/06/1992			
2	West	1/2 - 1 Mile	Lower		
	Site ID:	821172			
	Groundwater Flow:	NNW		AQUIFLOW	35339
	Shallowest Water Table Depth:	1.1			
	Deepest Water Table Depth:	3.35			
	Average Water Table Depth:	Not Reported			
	Date:	03/31/1993			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for WAYNE County: 3

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

Federal Area Radon Information for WAYNE COUNTY, MI

Number of sites tested: 159

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.853 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.398 pCi/L	97%	3%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

HYDROLOGIC INFORMATION

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

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

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Water Well Data

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

Michigan Oil and Gas Wells

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

RADON

State Database: MI Radon

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

Area Radon Information

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

EPA Radon Zones

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

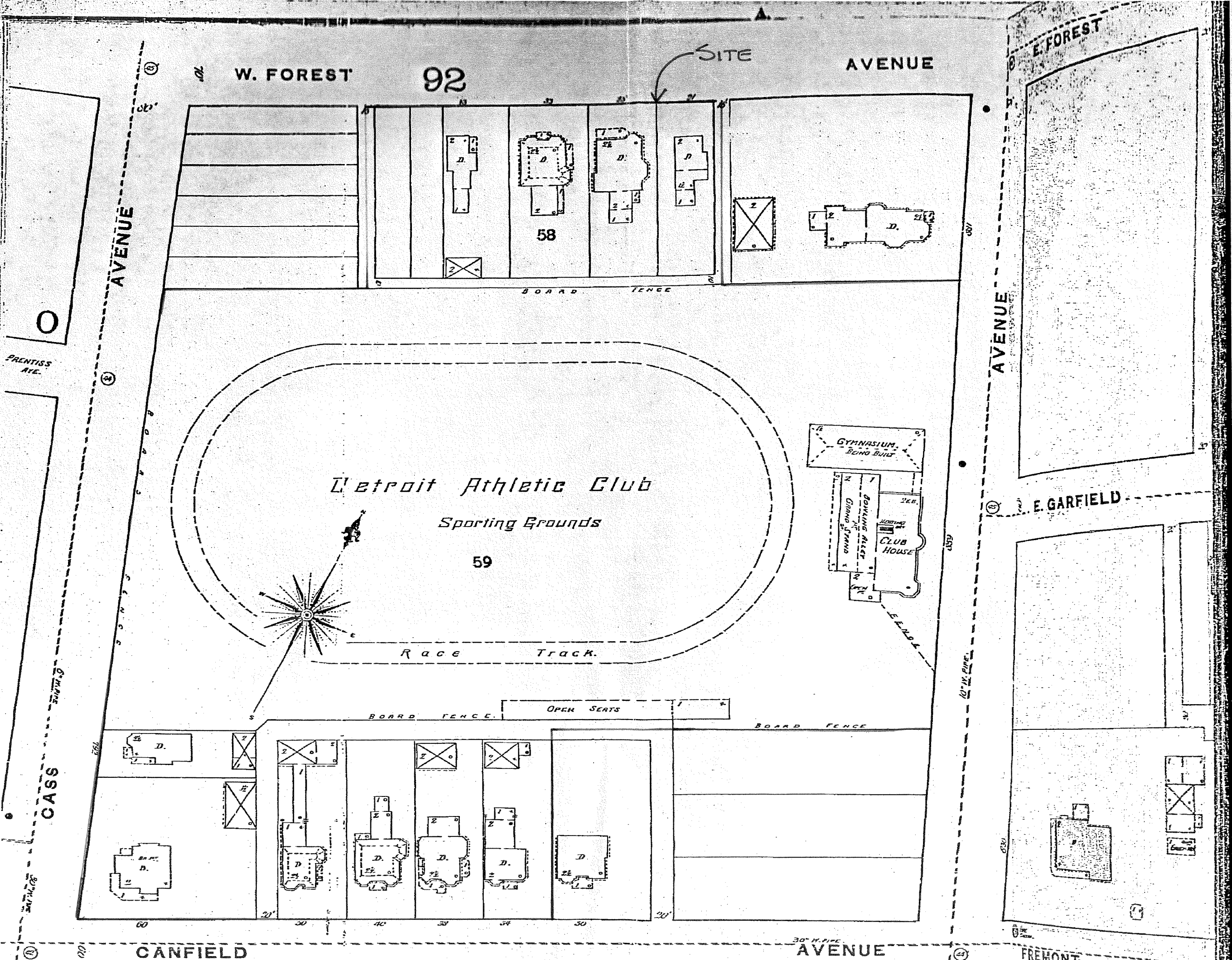
OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration



W. FOREST

92

SITE

AVENUE

AVENUE

AVENUE

E. GARFIELD

CASS

CANFIELD

AVENUE

FREMONT

Detroit Athletic Club
Sporting Grounds

59

58

GYMNASIUM,
Being Built

CLUB
HOUSE

BOWLING ALLEY
GRAND STANDS

Race Track

OPEN SEATS

BOARD FENCE

BOARD FENCE

D.

X

X

X

X

D.

D.

D.

D.

D.

D.

D.

X

1897

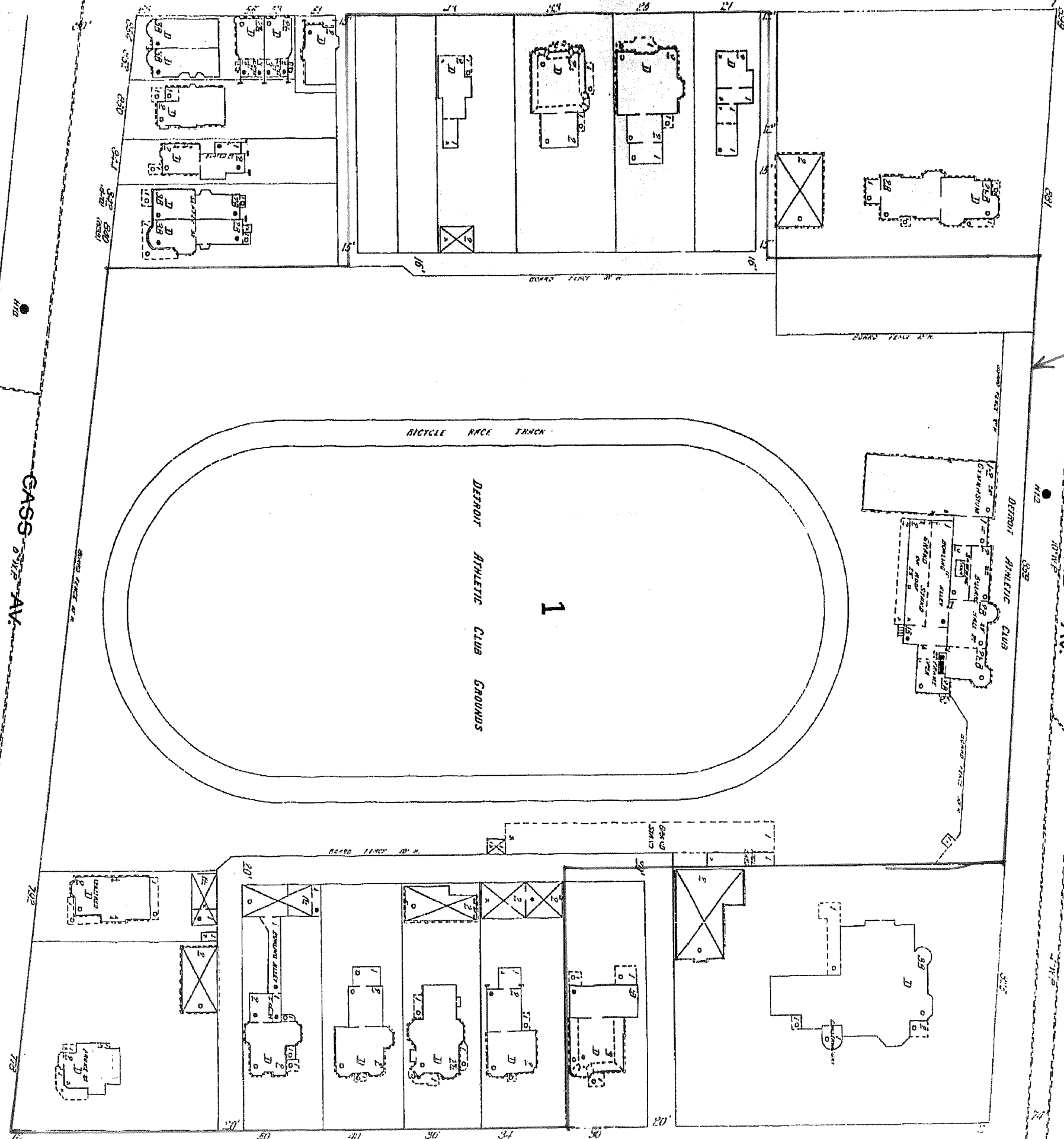
SEE SITE

VOLUNTEER GARFIELD AV

THREE

WOODWARD AV

FOREST AV. W.



CASS AV. 90

Scale of Map:
 50 Feet = 1 inch
 200 Feet = 1/4 inch

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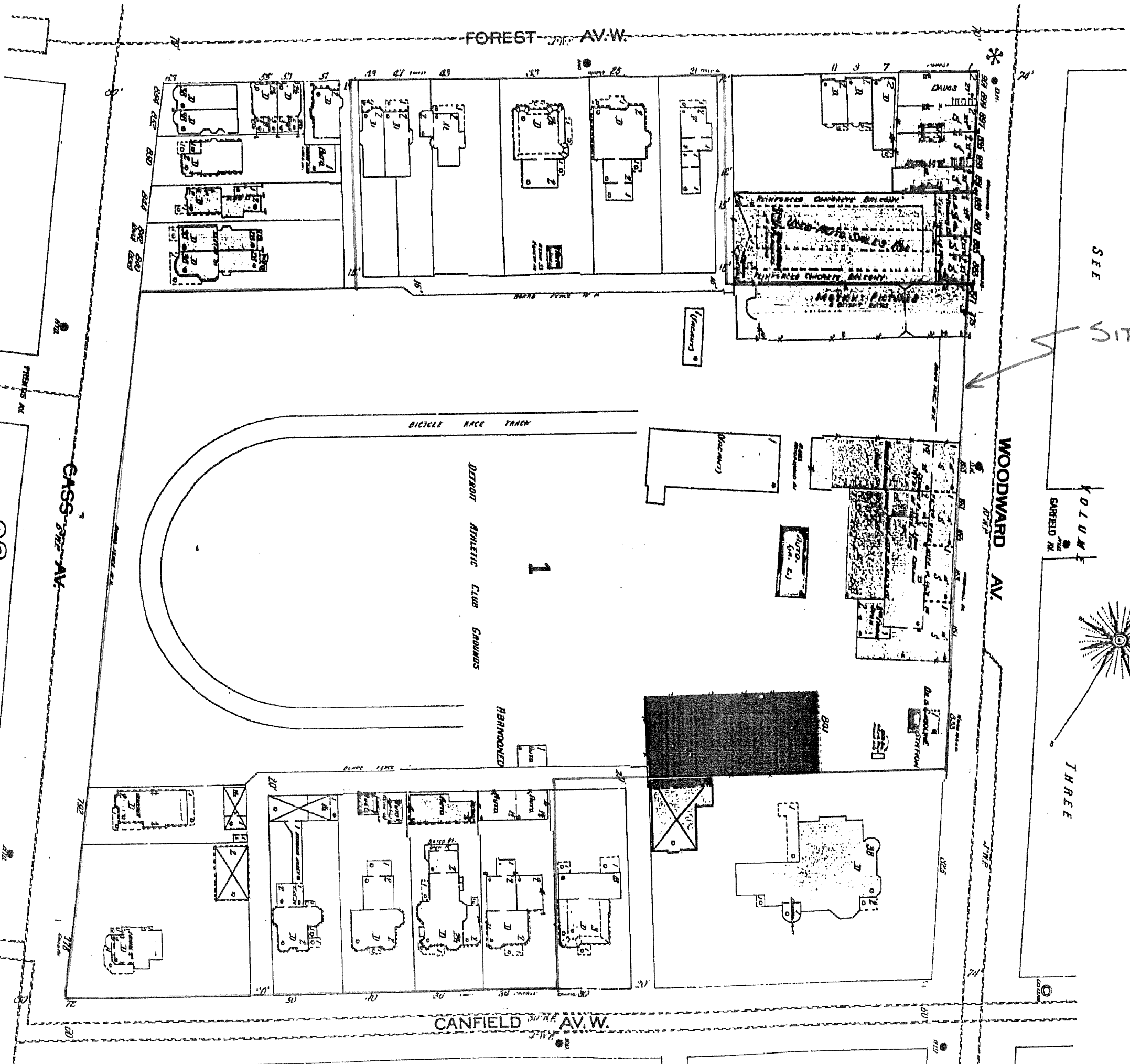
1919

SEE
SITE

COLUMBIA
GARFIELD AV.

THREE

92
Detroit, Mich.



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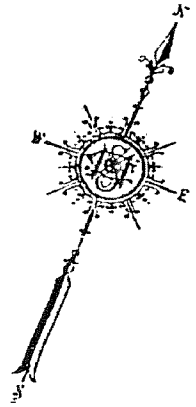
1921

W. FOREST AV.

CASS AV.

WOODWARD AV.

GRINDLEY ATHLETIC FIELD



USED CAR LOT - CAPCY - 60 CARS

USED - AUTO STORAGE 30 CARS. EARTH - FLOOR

WOOD TRUSS ROOF - 5 X 10 PILLARS 6' IN. DIA.

AUTO TRIMMING & PAINTING. STEEL FRAME. CONCRETE FLOOR & SIDES. WOOD ROOF.

AUTO (INCL.)

MOTION PICTURES.

CONCRETE BALCONY. 2 MP. AUTO SALES RM. SUMMERS.

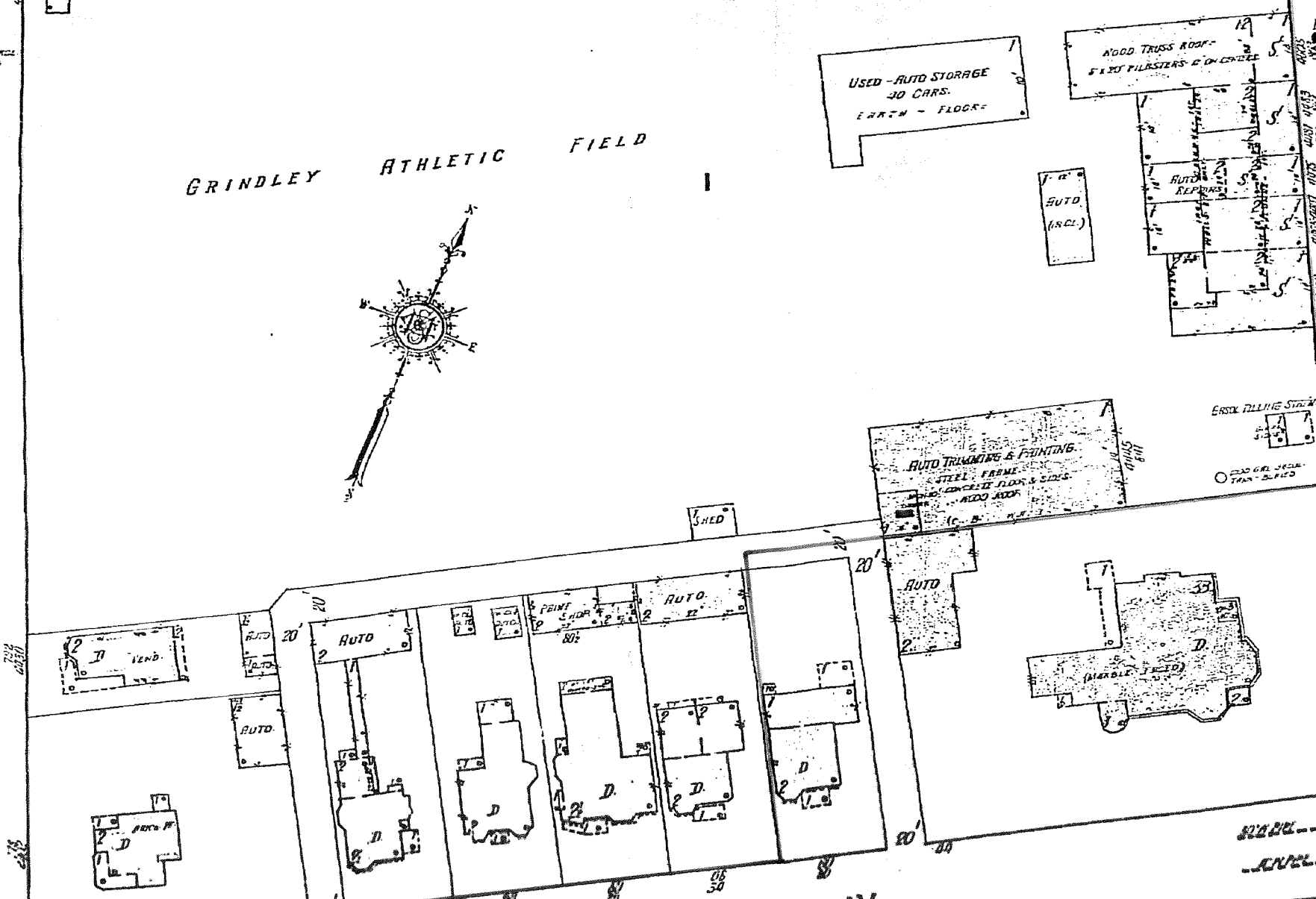
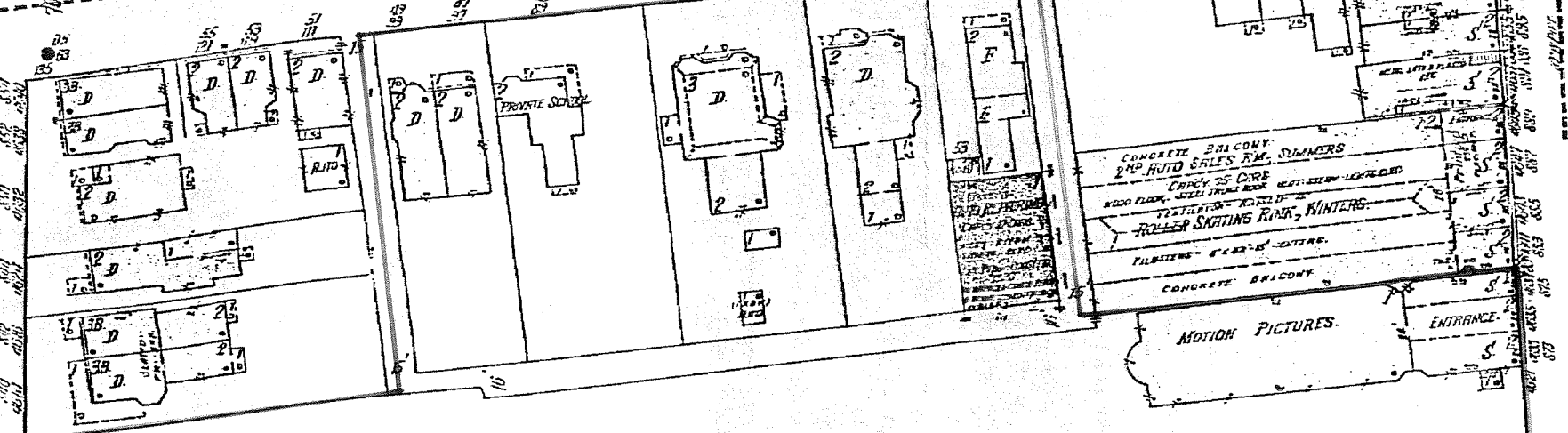
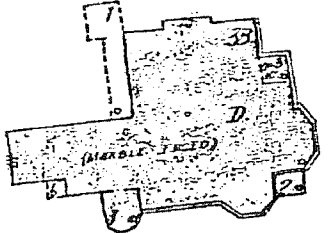
CAPCY 25 CARS. WOOD FLOOR. STEEL TRUSS ROOF. METEOROL. LIGHTS.

TESTING - ROLLER SKATING RINK, WINTERS.

FILMSTRIP - 6' X 8' - 10' - 12' - 14' - 16' - 18' - 20' - 22' - 24' - 26' - 28' - 30' - 32' - 34' - 36' - 38' - 40' - 42' - 44' - 46' - 48' - 50' - 52' - 54' - 56' - 58' - 60' - 62' - 64' - 66' - 68' - 70' - 72' - 74' - 76' - 78' - 80' - 82' - 84' - 86' - 88' - 90' - 92' - 94' - 96' - 98' - 100'

CONCRETE BALCONY.

ENGINE FILLING STATION



SITE

GARFIELD AV.

III

II

I

B

B

B

95

PREMISES AV.

GARFIELD AV.

ENCL. 1

E. FOR

ENCL. 2

ENCL. 3

ENCL. 4

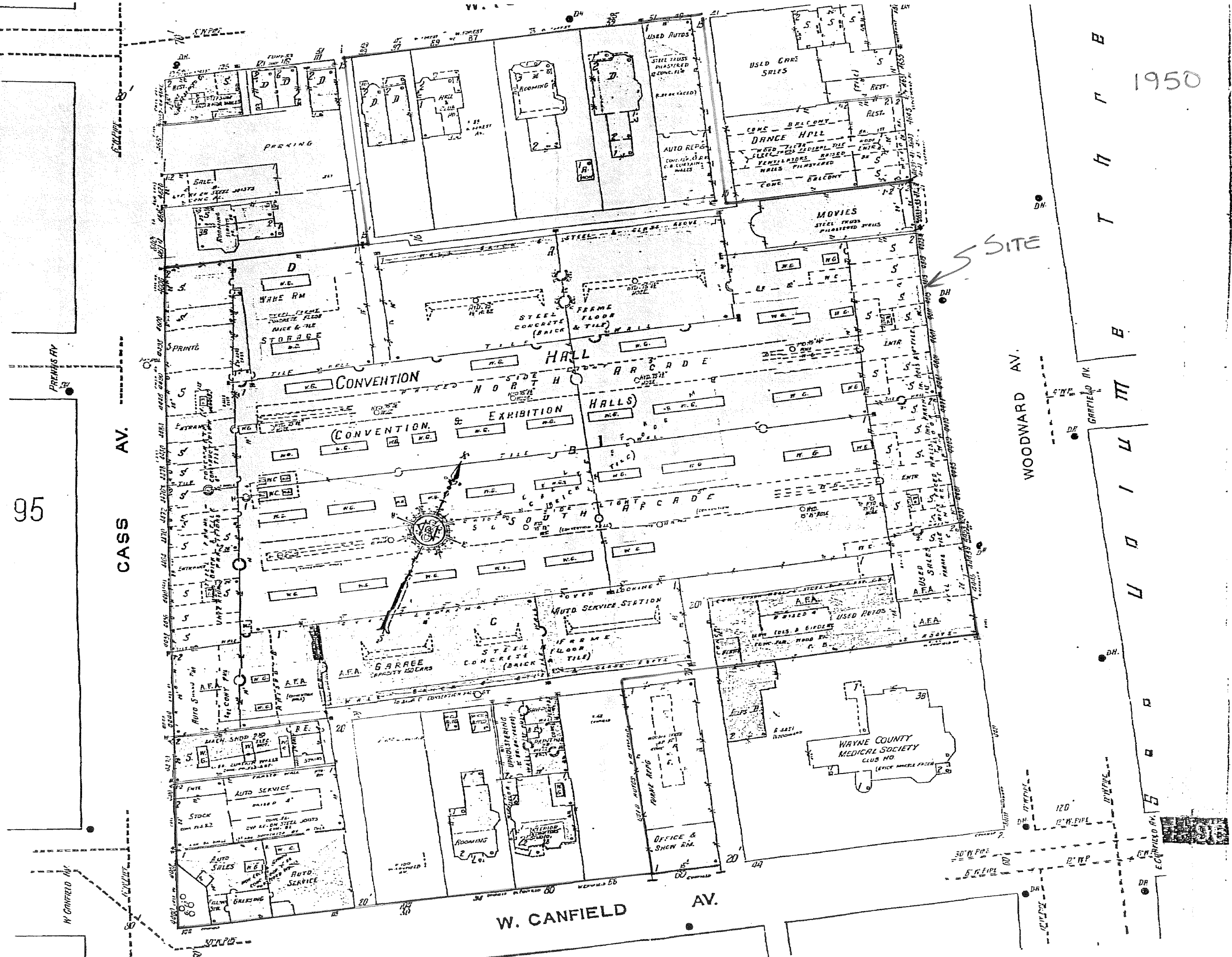
ENCL. 5

ENCL. 6

ENCL. 7

1950

SITE



95

CASS AV.

WOODWARD AV.

W. CANFIELD AV.

77

95

CASS AV.

PREMIS AV

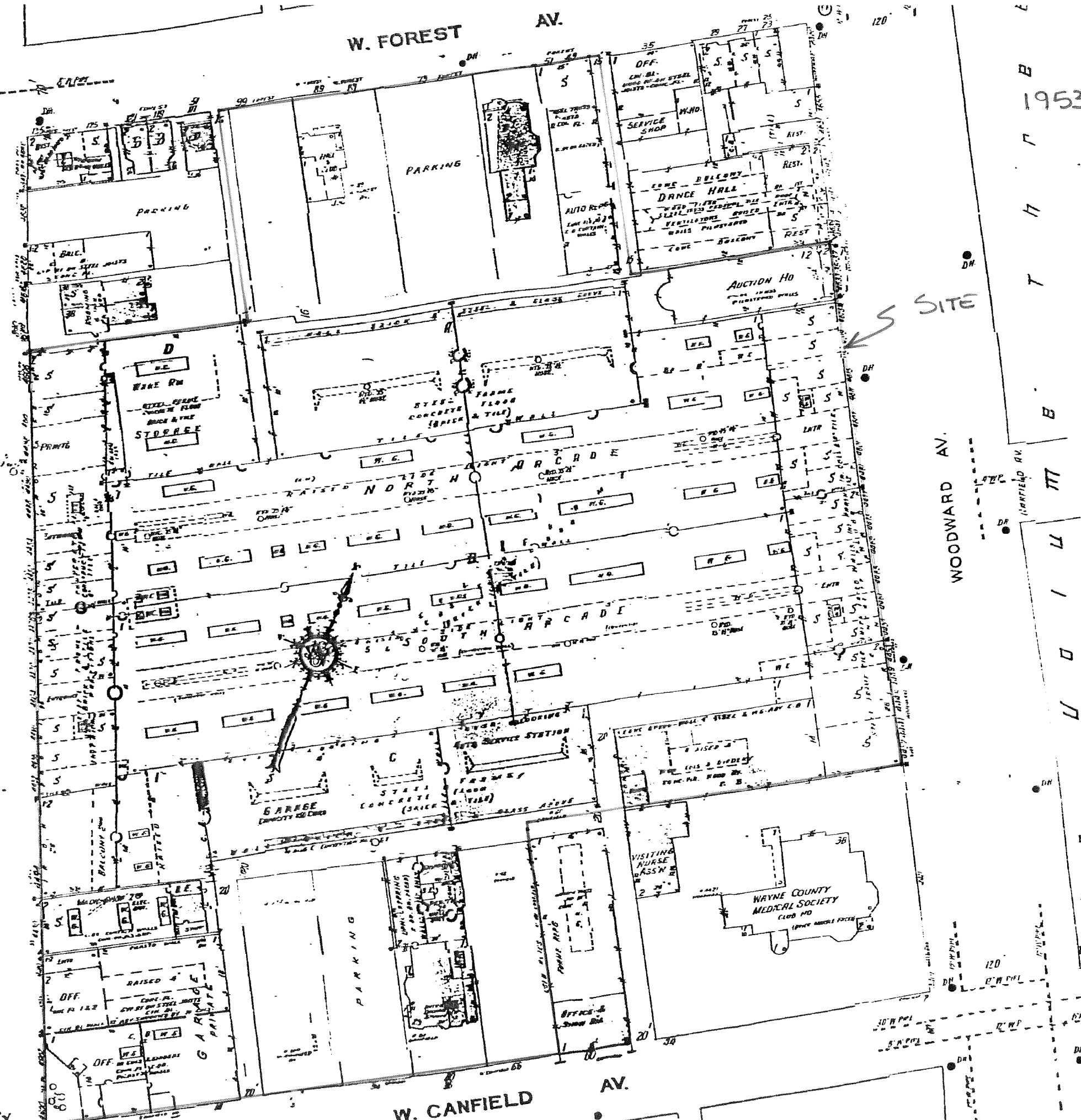
W. FOREST AV.

W. CANFIELD AV.

WOODWARD AV.

1953

SITE



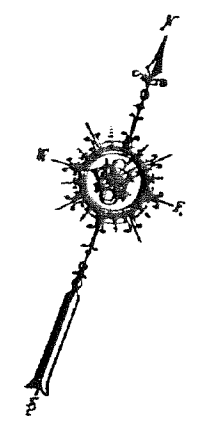
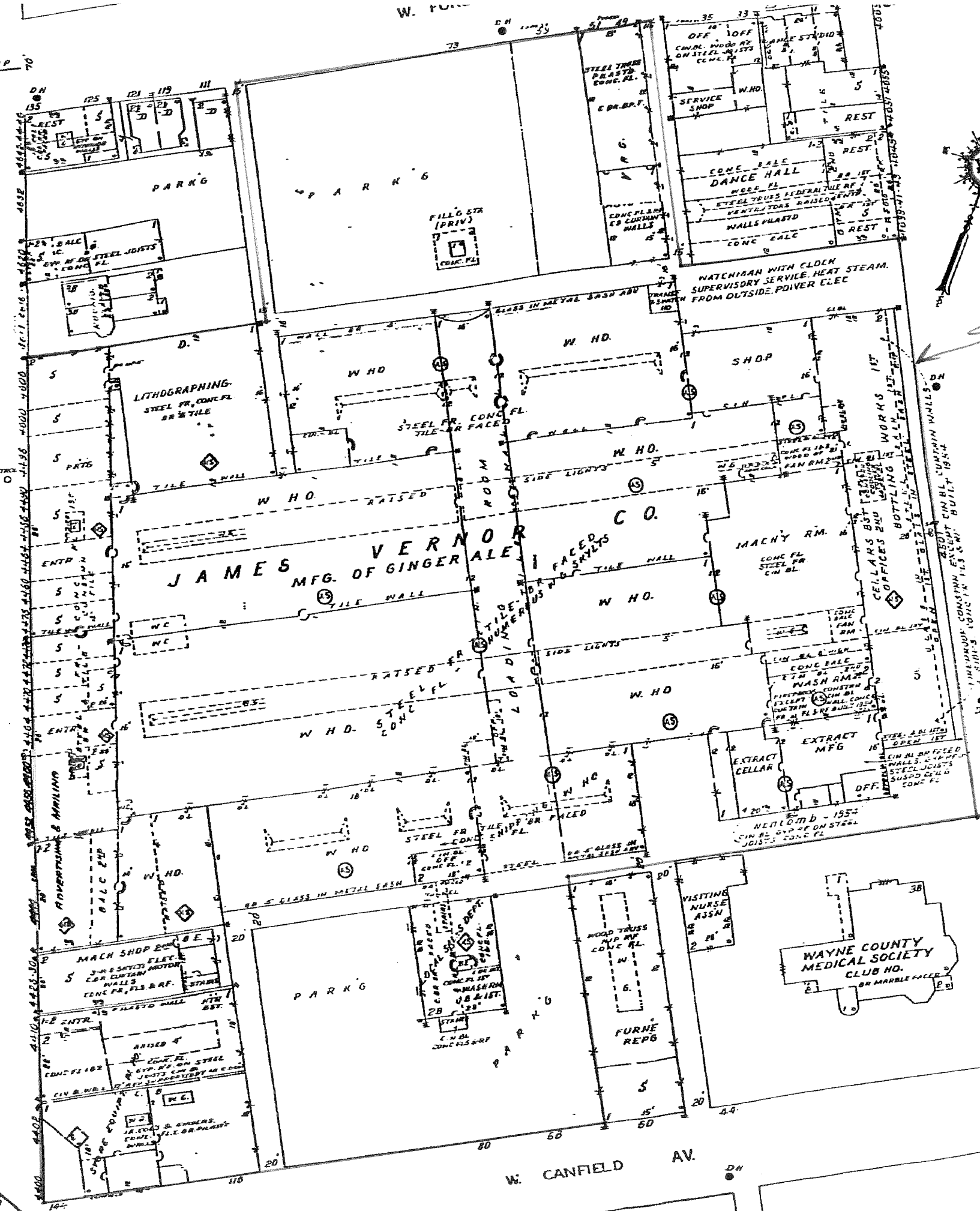
95

CASS AV.

PRENTIS AV. E.P.P.

5 N.P. 30' 5 N.P. 70'

W. FORD



← SITE

1957

WOODWARD AV.

222 GARFIELD AV.

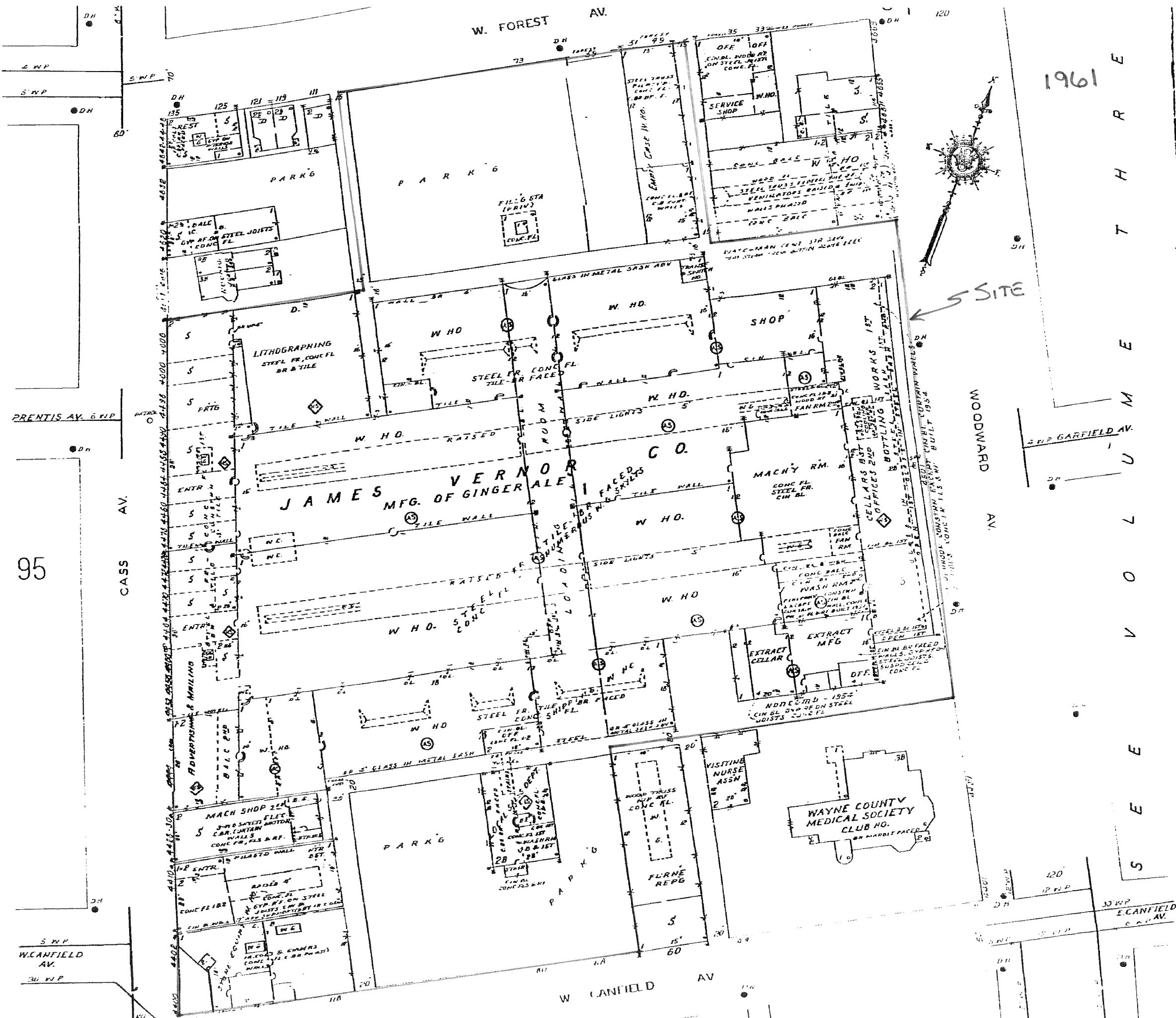
S E E T H R E U M E L O V O L U M E S E E S E E

5 N.P. WEANFIELD AV. 30' V.P.

W. CANFIELD AV.

120 12 N.P.

E. CANFIELD AV.



1961

S E E V O L U M E T H R E E

95

W. CANFIELD AV.

W. CANFIELD AV.

WOODWARD AV.

E. CANFIELD AV.

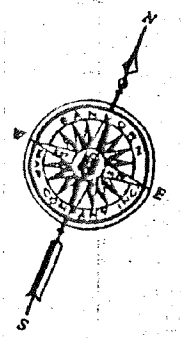
W. FOREST AV.

CASS AV.

PRENTIS AV. & W.P.

GARFIELD AV.

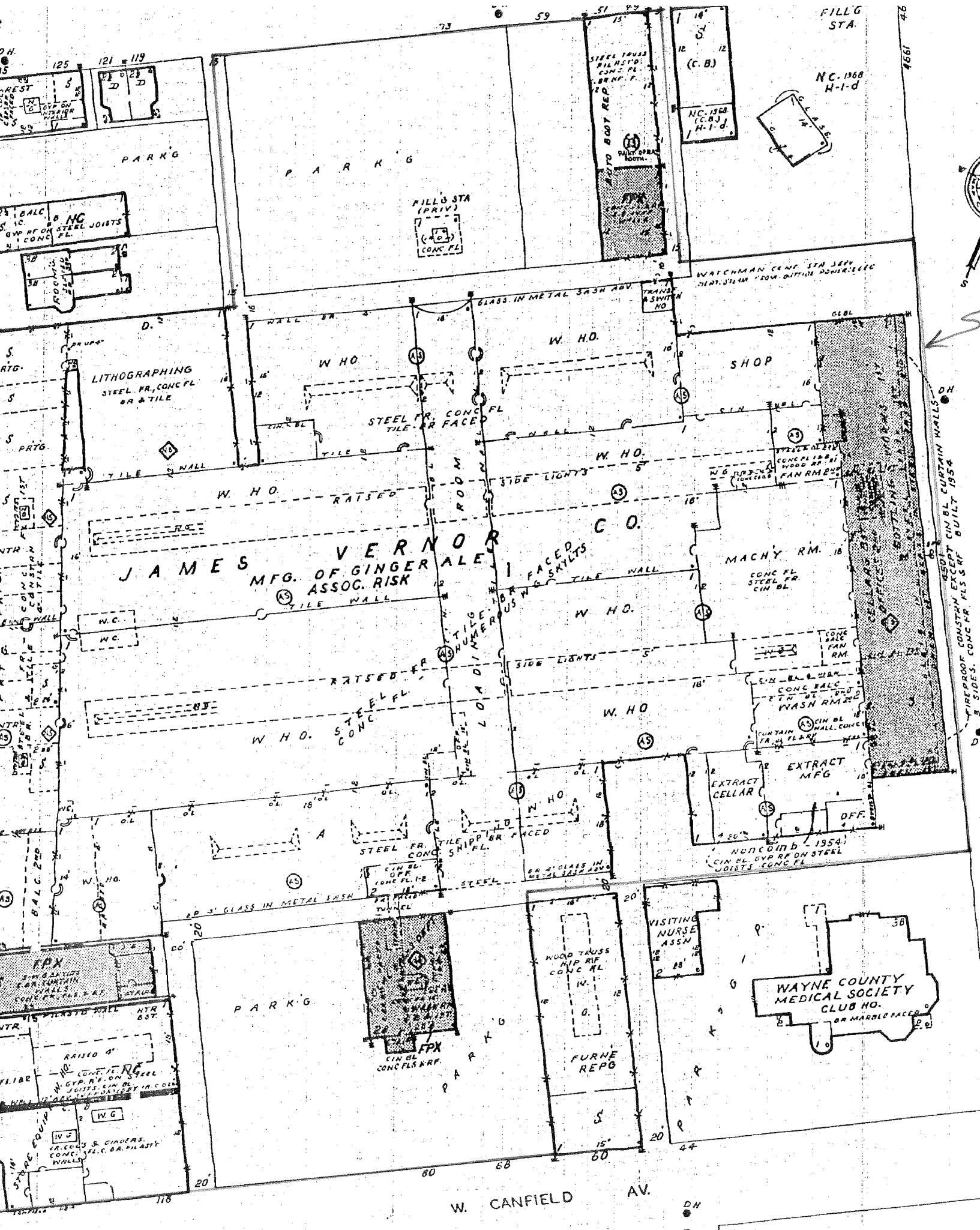
1977



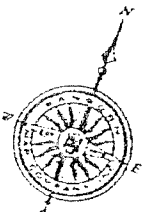
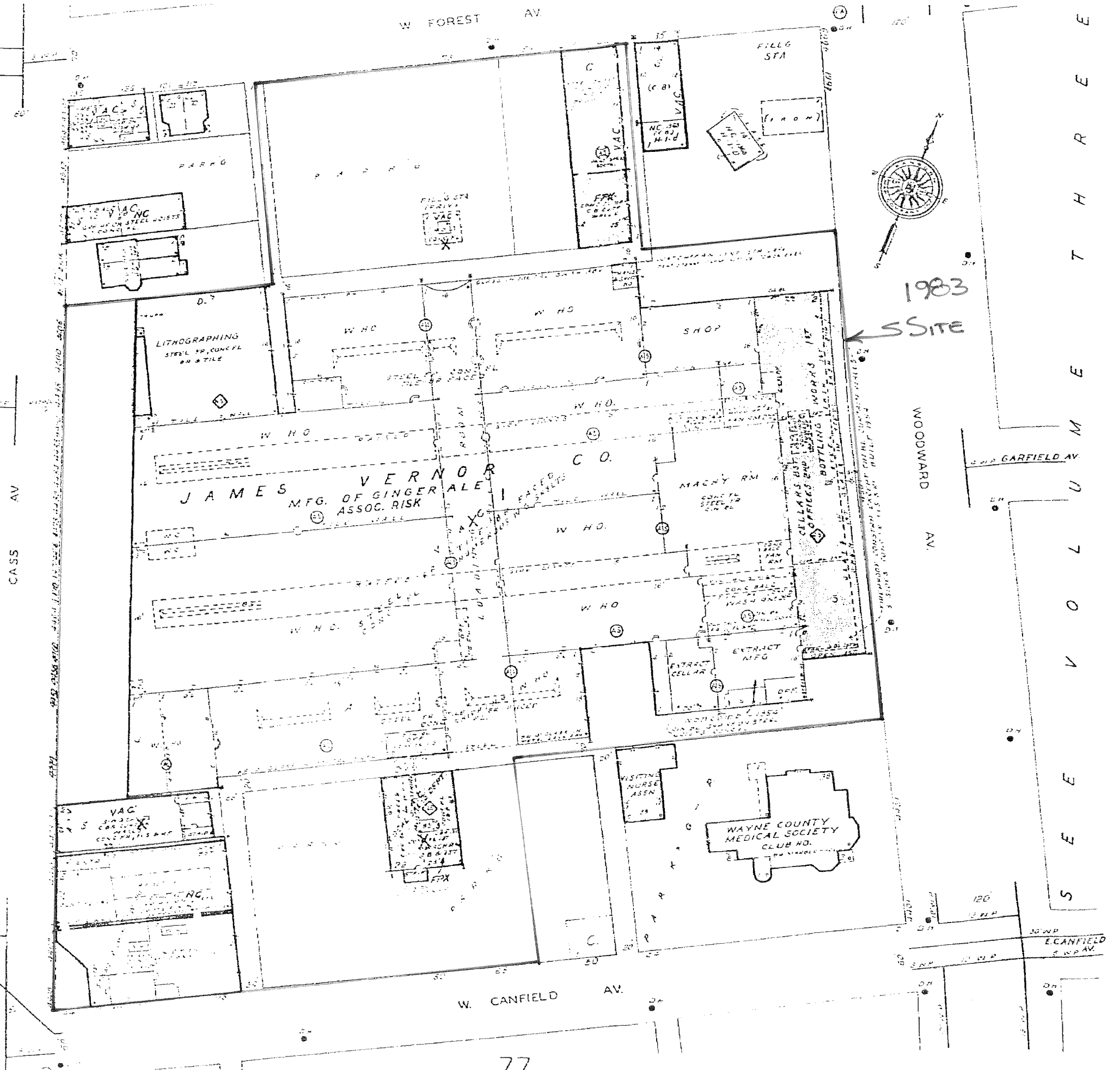
← SITE

S E E V O L U M E T H R E E

4 WP
8 WP
70
80
PRENTIS AV. BWP
CASS AV.
95
5 WP
W. CANFIELD AV.
30' W.P.



FILLG STA.
NC. 1368
H-1-D
WATCHMAN CONC. STA. 35' BY 12' 6\"/>
WOODWARD AV.
4' W.P. GARFIELD AV.
W. CANFIELD AV.
30' W.P.
12' W.P.
12' W.P.
8' W.P.
12' W.P.
30' W.P.
E. CANFIELD AV.
8' W.P. AV.



1983
SITE

←

S E E V O L U M E T H R E E E

CASS AV

WOODWARD AV

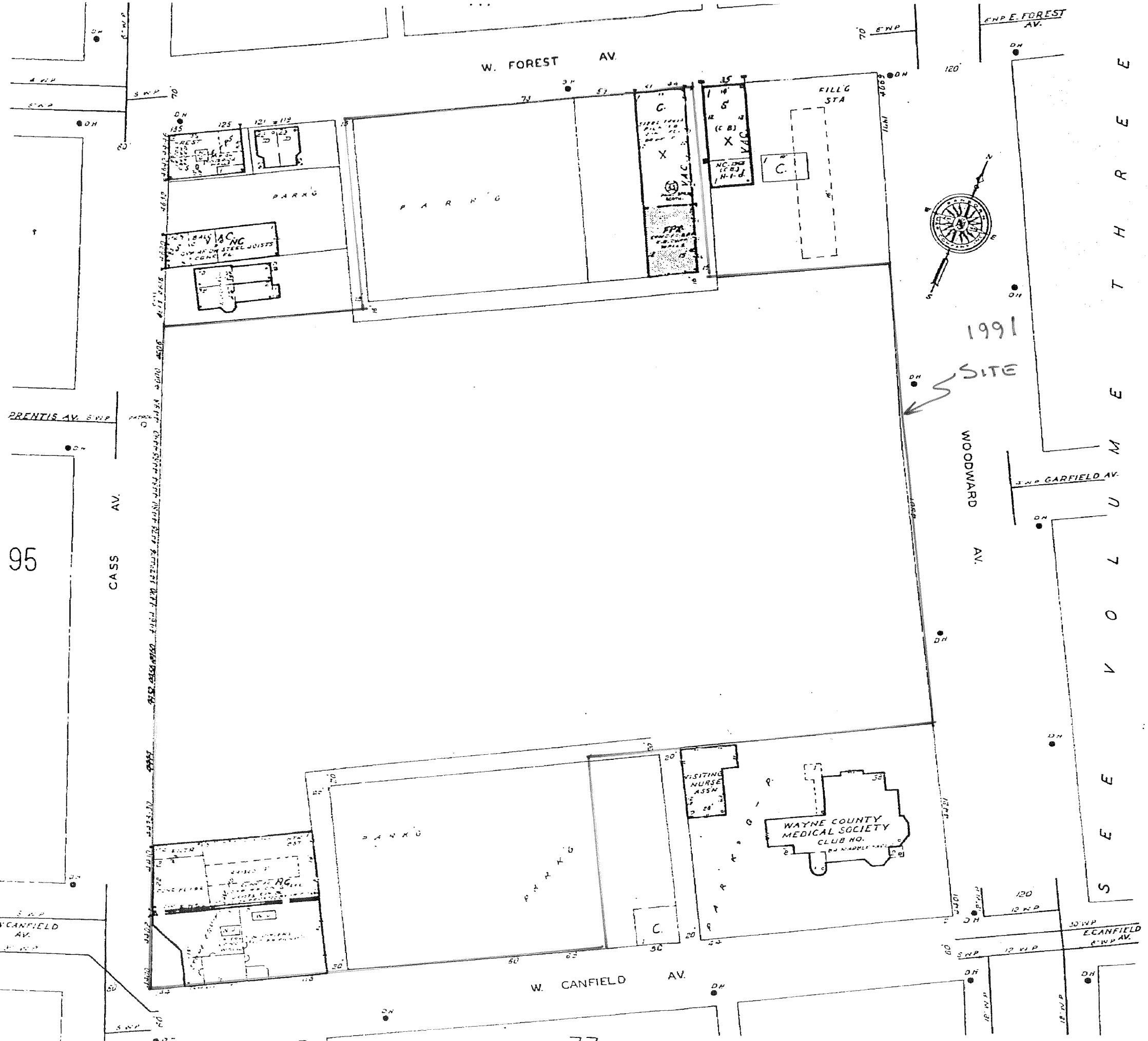
W. CANFIELD AV.

PRENTIS AV

GARFIELD AV

ECANFIELD AV

95





APPENDIX D
Sanborn Fire Insurance Maps



"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: Joe Sullivan
NTH Consultants Ltd.
38955 Hills Tech Drive
Farmington Hills, MI 48331

Order Date: 7/31/2003 **Completion Date:** 7/31/2003

Inquiry #: 1021681.4S

P.O. #: 16-030791-00

Site Name: WSU Tower Property

Address: 4500 Cass Avenue

City/State: Detroit, MI 48201

Customer Project: 16-030791-00

1022677REM 248-553-6300

Cross Streets:

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

- 1889 - 1 - map 1977 - 1 - map
- 1897 - 1 - map 1988 - 1 - map
- 1919 - 1 - map 1991 - 1 - map
- 1921 - 1 - map
- 1950 - 1 - map
- 1953 - 1 - map
- 1957 - 1 - map
- 1961 - 1 - map

Total Maps: 11

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