



# Environmental Resources Group

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28003 Center Oaks Court • Suite 106 • Wixom, MI • 48393  
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## PHASE I ENVIRONMENTAL SITE ASSESSMENT

MILLER MANOR

727 MILLER AVENUE

ANN ARBOR, MICHIGAN 48103

ERG PROJECT 1126.001

PREPARED FOR:  
NORSTAR DEVELOPMENT USA, L.P.  
733 BROADWAY  
ALBANY, NEW YORK 12207

JULY 26, 2013



## Environmental Resources Group

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July 26, 2013

Mr. Richard Higgins  
Norstar Development USA, L.P.  
733 Broadway  
Albany, New York 12207

**Re: Phase I Environmental Site Assessment  
Miller Manor  
727 Miller Avenue, Ann Arbor, Michigan  
Environmental Resources Group, LLC Project 1126.001**

Dear Mr. Higgins:

Environmental Resources Group, LLC (ERG) has completed the Phase I Environmental Site Assessment (ESA) of the Miller Manor Housing Development in Ann Arbor, Washtenaw County, Michigan. The results of the Phase I ESA are presented in the attached Report.

We are pleased to provide this service and hope that we can be of service in the future. Should you have any questions or require further information, please do not hesitate to call Ms. Dwoinen or Mr. Foerg at (248) 773-7986.

Sincerely,  
**Environmental Resources Group, LLC**

Penny M. Dwoinen  
Project Engineer

Andrew J. Foerg, CPG  
Senior Project Manager

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SECTION IX

2013 MSHDA PHASE I SUMMARY COVER SHEET

Project Name: Miller Manor  
 Project Address: 727 Miller Avenue, Ann Arbor, Michigan 48103  
 Sponsors Name: Norstar Development USA, L.P. E-mail: lharris@norstarus.com  
 Consulting Firm: Environmental Resources Group  
 Consultant Phone: ( 248 ) 773-7986 E-mail: penny.dwoinen@ergrp.net  
 Project #: 1126.001 Report Date: July 26, 2013

**Additional Site Info (please complete if known)**

Site area: 1.06 acres	# Units planned 104
Vacant land: <input type="checkbox"/> Developed: <input checked="" type="checkbox"/>	If developed, # existing buildings: one
Date(s) of construction for existing structures: 1971	
Single Site: <input checked="" type="checkbox"/> Scattered sites: <input type="checkbox"/>	If scattered, # sites:
Rehab of existing structure(s): <input checked="" type="checkbox"/>	New Construction <u>with</u> planned demolition of existing structure(s): <input type="checkbox"/>
Adaptive Re-Use: <input type="checkbox"/>	New Construction <u>without</u> planned demolition of existing structure(s): <input type="checkbox"/>

Please answer all questions below, noting the appropriate page or appendix in your report that contains the supporting documentation. **Summary Cover Sheets containing unknown or incomplete responses will not be processed and will be returned for correction.**

**1. Report Findings**

- a. The site contains Wetland area(s).  Yes  No  
(See requirements in Sec. IV, H.6)
- b. The site or a portion of the site is in the Special Flood Hazard Area.  Yes  No  
(See requirements in Sec. IV, H.5)
- c. The site contains a UST(s) or AST(s).  Yes  No  
(See requirements in Sec. IV, I)
- d. The Phase I ESA revealed a REC(s).  Yes  No  
(See requirements in Sec. IV, D.5)
- e. There are high power electrical transmission lines within 500 feet of the subject site.  Yes  No  N/A  
(See requirements in Sec. IV, H.7)

f. There are buried high-pressure gas transmission lines (4" in diameter and 400 psi or greater) within 1000 feet of the subject site.

Yes  No  NA

(See requirements in Sec. IV, H.8)

g. The subject site is near a busy roadway or within 1000 feet of a limited access freeway or 3000 feet of a rail line, or within 15 miles of an airport.

Yes  No

(See requirements in Sec. IV, H.9)

#### ASBESTOS

h. For structures undergoing renovation/remodeling, an Asbestos survey was performed.

Yes  No

i. An Asbestos inspection satisfying NESHAP, state, and MSHDA requirements for demolition/remodeling activities as documented in the Sponsor's Comprehensive Needs Analysis or the Architect's Plans and Specifications for the project was performed.

Yes  No

(See requirements in Sec. IV, H.1)

#### LEAD

j. For structures undergoing renovation/remodeling, a LBP assessment was performed.

Yes  No

k. The LBP Risk Assessment and/or Lead Inspection satisfies HUD, state, and MSHDA requirements for the proposed demolition/remodeling activities as documented in the Sponsor's Comprehensive Needs Analysis or the Architect's Plans and Specifications for the project.

Yes  No

(See requirements in Sec. IV, H.2)

l. For developments located in Branch, Calhoun, Cass, Hillsdale, Jackson, Kalamazoo, Lenawee, St. Joseph, and Washtenaw counties Radon mitigation measures are documented in the report.

Yes  No

*Report under separate cover*

(See requirements in Sec. IV, H.5)

m. A "Recorded Land Records" search was performed.

Yes  No

(See requirements in Sec. IV, C)

n. A Phase II investigation is required.

Yes  No

(See requirements in Sec. V)

o. A Tier I and non-invasive Tier II Vapor Encroachment Screen were performed?

Yes  No

(See requirements in Sec. IV, H.10)

p. A Vapor Encroachment Condition (VEC) was identified. An invasive Tier II investigation is recommended.

Yes  No

(See requirements in Sec. IV, H.10)

**2. Report Documentation Check List. If any of the responses below are "NO," do not submit report.**

- a. MSHDA Phase I Letter of Reliance completed?  Yes  No
- b. User's Disclosure Statement completed?  Yes  No
- c. Certificate of insurances included?  Yes  No
- d. FEMA Flood Plain Map Included?  Yes  No
- e. Fire Insurance Maps or N.C. Letter Included?  Yes  No
- f. Development Site Plan Included?  Yes  No
- g. Site boundaries indicated on all maps and photos?  Yes  No

I represent that this Summary Cover Sheet accurately reflects the environmental information contained in the above captioned document.

Penny M. Dwoinen / 7/26/2013 Penny M. Dwoinen, Project Engineer  
Signature of Environmental Professional      Date      Print or Type Legal Name



## **SECTION 1.0: EXECUTIVE SUMMARY**

### **Section 1.1: Phase I ESA Summary and Conclusions**

Environmental Resources Group, LLC (ERG) has completed a Phase I Environmental Site Assessment (ESA) of the Miller Manor Housing Development located at 727 Miller Avenue, Ann Arbor, Washtenaw County, Michigan (hereafter referred to as the "Subject Property"). This Phase I ESA was conducted in general accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries (AAI), 40 CFR Part 312(2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-05* (ASTM Standard Practice E 1527-05) (3) *ASTM Standard Practice for Vapor Encroachment Screening on Property involved in Real Estate Transactions / Designation E 2600-10* (ASTM Standard Practice E 2600-10) and (4) MSHDA's 2013 Environmental Review Requirements (dated 1/17/13).

The Report was prepared for the exclusive use of NORSTAR DEVELOPMENT USA, L.P., ANN ARBOR HOUSING COMMISSION, and the MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY, each of whom may rely on the Report's contents.

The subject property contains approximately 1.06 acres and is located on the south side of Miller Avenue in Ann Arbor, Michigan. The subject property is located in Section 29, Township 2 South, Range 6 East, Ann Arbor, Washtenaw County, Michigan.

The subject property is currently occupied by Miller Manor, a 7-story multi-tenant apartment building, and the offices and maintenance department of the Ann Arbor Housing Commission. The subject property is owned and operated by the Ann Arbor Housing Commission.

Reasonably ascertainable records for the subject property extended back to approximately 1902. Data failure occurred prior to that date. However, no significant data gaps were identified during the completion of this Phase I ESA. Standard historical sources were able to document the first developed use of the subject property occurred prior to 1902. The property was used for residential purposes from at least 1902 to 1970. The current multi-tenant apartment building was constructed in 1971 with the addition of the AAHC office and maintenance area in 1993.

ERG has performed an Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E-1527-05, ASTM Practice E 2600-10 and the Michigan State Housing Development Authority (MSHDA) Environmental Review Guidelines for 2013 of the Miller Manor Housing Development located at 727 Miller Avenue, Ann Arbor, Washtenaw County, Michigan. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions connected with the property.

## Conclusions

ERG has performed an Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E-1527-05, ASTM Practice E 2600-10, and the Michigan State Housing Development Authority (MSHDA) Environmental Review Guidelines for 2013 of the Miller Manor Housing Development located at 727 Miller Avenue, Ann Arbor, Washtenaw County, Michigan. Any exceptions to or deletions from this practice are described in the Limitations section of this report.

Based on the results of this Phase I ESA, no additional environmental investigation is recommended.

### Section 1.2: Identified Data Gaps

ERG did not identify significant data gaps during the completion of this Phase I ESA.

### Section 1.3: Liens or Activity and Use Limitations

The Client did not report any: (1) environmental cleanup liens against the subject property that are filed or recorded under federal, tribal, state, or local law; or (2) activity and use limitations (AULs), such as engineering controls, land use restrictions or institutional controls, that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state, or local law.

ERG obtained a copy of the current Michigan Department of Environmental Quality (MDEQ) **Remediation And Redevelopment Division Perfected Lien List** dated April 26, 2013. There was no information regarding environmental liens encumbering the subject property.

The summary presented above is general in nature and should not be considered apart from the entire text of the report, which contains the qualifications, considerations and subject property details mentioned herein. Details of findings and conclusions are elaborated upon in this report.

## **SECTION 2.0: INTRODUCTION**

Environmental Resources Group, LLC (ERG) has completed a Phase I Environmental Site Assessment (ESA) of the Miller Manor Housing Development located at 727 Miller Avenue, Ann Arbor, Washtenaw County, Michigan (hereafter referred to as the "Subject Property"). This Phase I ESA was conducted in general accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries (AAI), 40 CFR Part 312 (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-05* (ASTM Standard Practice E 1527-05) (3) *ASTM Standard Practice for Vapor Encroachment Screening on Property involved in Real Estate Transactions / Designation E 2600-10* (ASTM Standard Practice E 2600-10) and (4) MSHDA's 2013 Environmental Review Requirements (dated 1/17/13).

### **Section 2.1: Purpose**

ERG was retained to conduct this Phase I ESA of the Subject Property to assist the owner in procuring financing for renovation activities. The ESA was designed to be consistent with the All Appropriate Inquiries regulations of USEPA and ASTM Standard E1527-05 and to provide the owner of the property an objective, professional opinion of environmental risks, if any, associated with the property through the identification of RECs, to the extent feasible pursuant to the process prescribed in the Standard.

### **Section 2.2: Detailed Scope of Services**

ERG's scope-of-services is based on its proposal dated March 27, 2013, and the terms and conditions of that agreement. This Phase I ESA included the following:

- A visual survey of the property to identify areas of potential environmental concern. Color photographs taken to document the Subject Property conditions at the time of the reconnaissance are included in this Report.
- A visual observation of neighboring properties or facilities to assess whether surface conditions on these properties may have adverse environmental impact on the Subject Property.
- Historical land use review of the Subject Property back to 1940 or the first developed use, whichever occurred earlier.
- Collection and review of existing published information relating to general geology, hydrogeology, and topographical information for the Subject Property.
- A regulatory agency file search to identify federal and state listed sites of known or potential environmental concerns located within the minimum search distances from the Subject Property as specified in ASTM E1527-05 and EPA's All Appropriate Inquiry codified in federal regulation - 40 CFR, Part 312.
- Interviews with the Subject Property owner, the owner's representative(s), representatives of the state, county, and local regulatory agencies, or other person's with knowledge of the site.

- Review of the potential for wetlands and floodplains in the area of the Subject Property.
- Evaluation of the potential for railroad/roadway/airport noise including a noise assessment conducted to the US Department of Housing and Urban Development (HUD) guidelines.
- Vapor Encroachment Screen (VES).
- Evaluation of compiled information and preparation of a report.

### **Section 2.3: Significant Assumptions**

ERG assumes the information reviewed in this assessment (including government records and environmental databases, prior ESAs, and historical sources) are reliable and accurate. We also assume all interviewees have responded truthfully and to the extent of their knowledge.

### **Section 2.4: Limitations and Exceptions**

The information gathered for this Phase I ESA is limited to information that is publicly available, obtainable within reasonable time and cost constraints, and is practically reviewable. It is also limited to conspicuous visual indicators encountered during the Subject Property reconnaissance. The ESA interpretations are made within the context of these limitations.

There were no deletions from the ASTM Standard.

The findings of this report are valid as of the July 26, 2013, subject to the Phase I ESA Limitations listed above. An updated Phase I ESA will be required for the Subject Property after a period of 180 days.

### **Section 2.5: Special Terms and Conditions**

To ERG's knowledge, no special terms or conditions apply to the preparation of this Phase I ESA.

### **Section 2.6: User Reliance**

The Report was prepared for the exclusive use of NORSTAR DEVELOPMENT USA, L.P., ANN ARBOR HOUSING COMMISSION, and the MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY, each of whom may rely on the Report's contents.

ERG acknowledges that these parties may rely on the contents and conclusions presented in this report. Unless stated otherwise in writing, ERG makes no other warranty, representation, or extension of reliance upon the findings of this report to any other entity or third party.

## **SECTION 3.0: SUBJECT PROPERTY DESCRIPTION**

### **Section 3.1: Location and Legal Description**

The subject property contains approximately 1.06 acres and is located south of Miller Avenue in Ann Arbor, Michigan. The subject property is located in Section 29, Township 2 South, Range 6 East, Ann Arbor, Washtenaw County, Michigan. The legal description of the subject property is presented in Section 10.6. *Figure 1, Site Location Map* depicts the general location of the Subject Property.

### **Section 3.2: Subject Property and Vicinity Characteristics**

Based on visual observations, the Subject Property is located in a densely developed area of downtown Ann Arbor. The Subject Property is developed with a 7-story multi-tenant apartment building, the offices and maintenance department of the Ann Arbor Housing Commission, and associated parking area and landscaping. The adjoining properties are developed with residential properties and a park. *Figure 2, Site Development Plan and Figure 3, Site Features Diagram* depict the general layout of the Subject Property.

### **Section 3.3: Current Use of the Property**

The subject property is currently occupied by Miller Manor a 7-story multi-tenant apartment building, and the offices and maintenance department of the Ann Arbor Housing Commission. The subject property is owned and operated by the Ann Arbor Housing Commission.

### **Section 3.4: Descriptions of Structures, Roads and Other Improvements on the Property**

The Subject Property is occupied by a seven-story apartment building, which contains 104 apartment units, a lobby, small office, kitchen and lunchroom, and community rooms. The offices and maintenance area for Ann Arbor Housing Commission (AAHC) were observed on the north side of the building.

The remainder of the Subject Property was developed with an asphalt parking lot and associated landscaping.

ERG did not observe any groundwater wells on the Subject Property during the site reconnaissance. The Subject Property area receives drinking water from the City of Ann Arbor.

ERG did not observe signs of septic systems or wastewater lagoons on the Subject Property during the site reconnaissance. Wastewater generated at the Subject Property is discharged to the City of Ann Arbor sanitary sewer. Additionally, surface run off from the Subject Property is collected by existing storm sewers and discharged to the City of Ann Arbor municipal storm sewers.

### **Section 3.5: Current Uses of Adjoining Properties**

Adjoining properties were viewed from the subject property and/or public roadways. Current uses of the adjoining properties include:

- North: Miller Avenue with residential properties beyond
- South: Public park
- East: Residential housing
- West: Residential housing

## **SECTION 4.0: USER PROVIDED INFORMATION**

ERG provided Ms. Lori Harris of Norstar Development USA, L.P. (i.e. the User) with a copy of MSHDA's User's Environmental Questionnaire and Disclosure Statement, which was completed and returned to ERG. None of the questions were answered in the affirmative or in a manner that would suggest the potential for RECs by Ms. Harris. No other specialized knowledge or experience of the subject property was provided to ERG by the User.

### **Section 4.1: Title Records**

A chain of title search was provided to ERG for review. No indications of environmental liens were noted in the review of the title search.

### **Section 4.2: Environmental Liens or Activity and Use Limitations**

The Client did not report any:

- Environmental cleanup liens against the subject property that are filed or recorded under federal, tribal, state, or local law
- Activity and use limitations (AULs), that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state, or local law.

ERG obtained a copy of the current Michigan Department of Environmental Quality (MDEQ) **Remediation And Redevelopment Division Perfected Lien List** dated April 26, 2013. There was no information regarding environmental liens encumbering the subject property. A copy of the MDEQ RRD Perfected Lien List is presented in Section 10.6.

### **Section 4.3: Specialized Knowledge of the User**

Ms. Harris did not report any other specialized knowledge or experience, actual knowledge, or commonly known or reasonable ascertainable information that is material to identifying recognized environmental conditions in connection with the subject property.

### **Section 4.4: Commonly Known or Reasonably Ascertainable Information**

Ms. Harris did not report knowledge of any commonly known or reasonably ascertainable information within the local community that is material to RECs in connection with the subject property.

### **Section 4.5: Valuation Reduction for Environmental Issues**

Ms. Harris did not report knowledge of, or reason to anticipate, a reduction in the value of the subject property for environmental issues.

#### **Section 4.6: Owner, Property Manager, and Occupant Information**

Ms. Harris did not report knowledge relevant information from the owner, property manager, or occupants.

#### **Section 4.7: Reason for Performing this Phase I ESA**

According to Ms. Harris, this Phase I ESA was conducted to fulfill MSHDA's requirements as part of an application for a MSHDA tax credit.

#### **Section 4.8: Other**

Ms. Harris did not provide ERG with any additional information pertaining to the subject property.

A copy of the completed MSHDA User's Environmental Questionnaire and Disclosure Statement, the title records, and the MDEQ RRD Perfected Lien List are presented in Section 10.6.



## **SECTION 5.0: RECORDS REVIEW**

### **Section 5.1: Standard Environmental Record Sources**

ERG retained Environmental Data Resources Inc.(EDR) to provide current environmental database information compiled by a variety of federal and state regulatory agencies. A copy of the database report is included in Section 10.5. The purpose of obtaining this data was to evaluate potential environmental risks associated with the subject property, adjoining sites, and other sites that are within varying distances of up to one mile from the subject property.

#### **Section 5.1.1: Subject Property and Occupant Listings**

The City of Ann Arbor Housing Commission is listed as a conditionally exempt small quantity generator of waste at the Subject Property. The records indicated that ignitable hazardous waste is generated at Subject Property. No violations were found. The Property is also listed in the State of Michigan waste data system (WDS) and the FINDS database. The FINDS database and WDS simply note that waste generation is conducted at the Site. ERG spoke with Mr. Lance Mitchell with the Ann Arbor Housing Commission. Mr. Mitchell indicated that maintenance materials for all of the Ann Arbor Housing Commission Properties are stored at this property. Waste materials including paint and other used maintenance materials are removed from the Subject Property on an as-needed basis. Based on the limited amount of generation and the lack of violations, the waste generation status is not considered an REC.

The EDR Report does not identify the subject property on the remaining databases.

#### **Section 5.1.2: Adjoining and Nearby Sites**

The review of the referenced databases considered the potential or likelihood of contamination from adjoining and nearby sites. Only those sites that are judged to present a potential environmental risk to the subject property and/or warrant additional clarification are further evaluated. Using the referenced criteria, and based upon a review of readily available information contained within the EDR Report, ERG did not identify adjoining or nearby sites (properties within a ¼-mile radius) listed in the EDR Report that were judged to present a potential environmental risk to the subject property.

Twenty-five properties located between 0.3 mile and 1 mile from the Subject Property were listed in the environmental databases. ERG eliminated each of the properties listed in the EDR database from further consideration based the separation distance and down or cross gradient locations. Therefore, the 25 listed properties are unlikely to significantly impact the Subject Property.

### **Section 5.1.3: Orphan Sites**

ERG used available mapping software and observations made during the Subject Property reconnaissance to eliminate the 24 identified orphan properties because they appear to be located outside the ASTM target radii for their respective databases.

## **Section 5.2: Additional Environmental Records Sources**

### **Section 5.2.1: Assessing Records**

ERG attempted to review reasonably ascertainable assessment information provided by the City of Ann Arbor Assessing Department, however no file information was available. A representative of the City of Ann Arbor Assessing Department indicated since the Subject Property was city owned, no assessing records were maintained. ERG reviewed the online assessing records, which included a legal description of the Subject Property (Parcel 09-09-29-215-077). The online assessing record is provided in Section 10.6.

### **Section 5.2.2: Zoning Department Records**

ERG reviewed the City of Ann Arbor zoning map. The subject property is currently zoned "PL, Public Land." The review of the Zoning Map did not identify potential environmental concerns associated with the subject property based on its current zoning.

### **Section 5.2.3: Previous Site Investigations**

No previous environmental investigations were provided to ERG for review. The Ann Arbor Housing Commission provided a Physical Needs Assessment Report conducted at the Subject Property in 2009. ERG reviewed the Physical Needs Assessment Report and did not find indications of RECs in the report. The Physical Needs Assessment Report is provided in Section 10.6.

## **Section 5.3: Physical Setting Source(s)**

The United States Geological Survey Division (U.S.G.S.) 7.5-Minute Topographic Map of the Ann Arbor West, Michigan Quadrangle, 1965 (photo revised in 1983) for the subject property was reviewed in accordance with the ASTM standards (Figure 1). Based on the topographic map, the subject property is located at an elevation of 840 feet above mean sea level. The immediate subject property area appears to slope to the south southeast.

The "Quaternary Geology of Southern Michigan", Department of Geological Sciences, University of Michigan, Ann Arbor, Michigan (1982); and "Bedrock Geology of Southern Michigan", Michigan Department of Natural Resources, Geological Survey Division (1987) were reviewed.

According to the aforementioned sources, in this area of Washtenaw County, quaternary deposits are underlain by bedrock composed of Coldwater Shale. Bedrock is covered by end moraines of medium textured till. The surface sediments in the area of the site generally consist of end moraines of medium-textured till, gray to reddish brown, non-sorted glacial debris. The matrix is dominantly loam and silty loam texture with variable amounts of cobbles and boulders. It occurs in narrow linear belts of hummocky relief marking former stillstands of ice-sheet margins and includes small areas of ground moraine as well as outwash. The drift thickness is approximately 20 to 30 meters

#### **Section 5.4: Historical Use Information on the Property**

##### **Section 5.4.1: Aerial Photographs for the Subject Property**

Aerial photographs of the Subject Property and surrounding area, provided by EDR from 1937-2010, were reviewed. The aerial photographs indicated the following:

- 1937-1969: The Subject Property appeared to be developed with residential houses.
- 1978-1985: The Subject Property was developed with a apartment building as associated parking lot.
- 1992: An addition was observed on the north side of the apartment building.
- 2000-2010: No significant changes were observed from the 1992 aerial photograph.

Except as discussed, the scale and resolution of the aerial photographs limited observation of special Site features, such as relief, areas of staining, soil disturbances or areas of outdoor storage. The Site was developed in 1937 and redeveloped in the 1970s. No indications of RECs were identified on the aerial photographs reviewed. A copy of the aerial photographs is presented in Section 10.4.

##### **Section 5.4.2: Historical Sanborn Maps for the Subject Property**

Sanborn Fire Insurance Maps of the Subject Property and surrounding area, provided by EDR from 1925-1972, were reviewed. The Sanborn Fire Insurance Maps indicated the following:

- 1925-1948: The Subject Property was developed with four residential dwellings and associated garages/outbuildings.
- 1972: The Subject Property was developed with the apartment building.

No indications of RECs were identified on the Sanborn maps reviewed. A copy of the Sanborn Maps is presented in Section 10.4.

### **Section 5.4.3: Local Street Directories for the Subject Property**

EDR researched City Directory Listings for the nearby properties from 1902 to 2012. Directories were researched in at least five-year increments, when available. It should not be construed that the earliest date represented is the initial date of occupancy. The City Directories listed private individuals (residential use) from 1902 to 1969. The current Miller Manor Apartments were listed from 1974 to 2012. A copy of the EDR City Directory Report is presented in Section 10.4.

### **Section 5.5: Historical Use Information on the Adjoining Properties**

#### **Section 5.5.1: Aerial Photographs for the Adjoining Properties**

Aerial photographs of the Subject Property and surrounding area, provided by EDR from 1937-2012, were reviewed. The aerial photographs indicated that the Subject property was in a residential area of Ann Arbor. The north, east, and west adjoining properties were developed with residential dwellings from 1937 to 2012. The south adjoining property was developed with West Park from 1937 to 2012.

Except as discussed, the scale and resolution of the aerial photographs limited observation of special Site features, such as relief, areas of staining, soil disturbances or areas of outdoor storage. The adjoining properties were developed prior to 1937. No obvious indications of RECs were identified on the aerial photographs reviewed. A copy of the aerial photographs is presented in Section 10.4.

#### **Section 5.5.2: Historical Sanborn Maps for the Adjoining Properties**

Sanborn Fire Insurance Maps of the Subject Property and surrounding area, provided by EDR from 1925-1972, were reviewed. The Sanborn Fire Insurance Maps indicated that north, east, and west adjoining properties were developed with residential dwellings from 1925 to 1972. The south adjoining property was developed with West Park from 1925 to 1972. No obvious indications of RECs were identified on the Sanborn maps reviewed. A copy of the Sanborn Maps is presented in Section 10.4.

#### **Section 5.5.3: Local Street Directories for the Adjoining Properties**

EDR researched City Directory Listings for the nearby properties from 1902 to 2012. Directories were researched in at least five-year increments, when available. It should not be construed that the earliest date represented is the initial date of occupancy. The city directory listings indicated that the Subject property was surrounded by residential dwellings from 1902 to 2012. A copy of the EDR City Directory Report is presented in Section 10.4.

## **SECTION 6.0: SITE RECONNAISSANCE**

### **Section 6.1: Methodology and Limiting Conditions**

The Subject Property reconnaissance was completed in a meander and search pattern and consisted of visual and/or physical observations of the Subject Property and improvements, adjoining properties as viewed from the Subject Property boundaries, and the surrounding area based on visual observations made from adjacent public thoroughfares.

Ms. Penny Dwoinen of ERG conducted the site reconnaissance on April 24, 2013. At the time of the reconnaissance, weather conditions were overcast and rainy with a temperature of approximately 60 degrees Fahrenheit. Site Photographs taken during the reconnaissance of the Subject Property are presented in Section 10.3.

No significant portions of the Subject Property were inaccessible or excluded from this survey.

### **Section 6.2: General Subject Property Setting**

The subject property contains approximately 1.06 acres and is located south of Miller Avenue in Ann Arbor, Michigan. Based on visual observations, the Subject Property is located in a densely developed residential area of Ann Arbor. The Subject Property is developed with a multi-tenant apartment building, offices and maintenance department of the Ann Arbor Housing Commission and associated parking area and landscaping. The adjoining properties are developed with residential properties and a park.

### **Section 6.3: Exterior Observations**

The Subject Property developed with a 7-story apartment building and an asphalt parking lot. The parking lot was accessible from a driveway from Miller Avenue on the north side of the Subject Property. A garden was observed on the west side of the Subject Property.

No ponds or lagoons were identified on the Subject Property during the site reconnaissance. Two solid waste dumpsters were observed on the north side of the 7-story apartment building (near the parking lot). The dumpsters were situated on concrete pavement and had covers.

ERG did not observe any evidence of USTs (i.e. fill ports, vent pipes, etc.) during the site reconnaissance and no records of USTs are on file with the MDEQ-RRD, Lansing, Michigan. ERG did not observe evidence of ASTs/55-gallon drum storage on the subject property.

A pad-mounted, liquid-cooled transformer was observed near the southeastern corner of the building. No labels indicating the PCB content were observed on the transformer. The transformer was observed

to be in good condition and no evidence of spills or leaks was identified during the Site reconnaissance. Based on the observations, the transformer is not considered a REC to the Site.

#### **Section 6.4: Interior Observations**

The Site building was a seven-story structure of concrete block and frame. The Site building was built on a slab on grade. The apartment building consisted of 104 apartments, common areas with a small kitchen and lunch room, and mechanical rooms. An addition to the north side of the building contained offices, a maintenance area, and a garage operated by AAHC.

ERG walked through six residential apartments and each apartment contained a one or two bedrooms, a bathroom, a kitchen, and living space. Each apartment was decorated individually, but each had vinyl tile and carpet for flooring, drywall walls, and aluminum-framed windows.

The community kitchen and common rooms were located in the center of the building on the first floor. The kitchen was used to heat lunch on a daily basis. Lunch was served in the adjoining community room.

The mechanical rooms were located on the south side of the of the building on the first floor. The mechanical rooms contained a large furnace, water heaters, electrical boxes, recycling bins, and a trash compactor. No leaks or significant staining was observed on the concrete floors around the mechanical equipment.

The elevator mechanical room was also observed. The hydraulic elevator equipment is serviced by Schindler Elevator. According to Mr. Lance Mitchell, with the Ann Arbor Housing Commission, there are no records of hydraulic leaks or spills in the elevator maintenance files for the Site.

A storage room was observed and contained spare building components (appliances, doors, ceiling tiles, light fixtures). A natural gas powered emergency generator was observed in a room near the southwest corner of the building. Maintenance and test records were observed near the generator and upon review of the records, no issues that would cause an adverse environmental impact were observed.

An addition was added to the north side of the building in 1993. This portion of the building is occupied by the AAHC. Offices, storage rooms, a maintenance area and a garage were observed. The maintenance area contained commercially available maintenance materials, including paints, caulk, grease, tile adhesive, and cleaners. The materials were neatly stored on shelves and in flammable material cabinets. No leaks or spills were observed in the storage areas. The storage of maintenance materials is not considered an REC to the Subject Property.

The garage was used for parking and loading maintenance vehicles that travel to the AAHC buildings

located throughout the City of Ann Arbor. Mr. Lance Mitchell indicated that no vehicle maintenance takes place at the Subject Property. No indications of auto repair or maintenance were observed. The auto garage is not considered an REC to the Subject Property.

## **SECTION 7.0: INTERVIEWS**

### **Section 7.1: Interview with Owner**

ERG requested information from the Ann Arbor Housing Commission (AAHC), the owner of the Subject Property. ERG requested information from a representative of the AAHC. Ms. Jennifer Hall indicated the Subject Property was developed with a low-income public-housing development. Ms. Hall did not provide information that would indicate an REC. A copy of the owner questionnaire is presented in Section 10.6.

### **Section 7.2: Interview with "Key Site Manager"**

The ASTM Standard identified the "key site manager" as a person with good knowledge of the uses and physical characteristics of the property. As discussed above, AAHC owns and operates the Subject Property. No other Key Site Manager was identified.

### **Section 7.3: Interview with Occupants**

The Subject Property is owned and operated by the AAHC and occupied by private individuals. The interview with the AAHC is outlined in Section 7.1 above. Individual private residents were not interviewed as part of this assessment.

## **Section 7.4: Interview with Local Government Officials**

### **Section 7.4.1: Local Fire Department**

ERG submitted a Freedom of Information Act (FOIA) request to the City of Ann Arbor Fire Department to review fire inspection records for the subject property. The Ann Arbor Fire Department provided information regarding fire inspections in 1984, 1986, and 1991. No indications of environmental impacts were observed in the fire inspection reports. The fire department also provided a list of calls to the Subject Property from 2003 -2013. No calls regarding environmental issues were noted. There was no other information provided for the Subject Property. Correspondences with the local regulatory agencies are presented in Section 10.6.

### **Section 7.4.2: Local Health Department**

ERG submitted a FOIA request to the Washtenaw County Health Department. The Washtenaw County Health Department indicated that there were no records for the Subject Property. Correspondences with the local regulatory agencies are presented in Section 10.6.



**Section 7.5: Interview with Others**

No other interviews were completed for the subject property.

## **SECTION 8.0: EVALUATION AND REPORT PREPARATION**

### **Section 8.1: Findings**

No known or suspect environmental conditions associated with the subject property have been identified.

#### **On-Site RECs**

No RECs were identified on the Subject Property.

#### **Off-Site RECs**

No RECs were identified on the adjoining or nearby properties.

### **Section 8.2: Opinion**

ERG has performed an Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E-1527-05, ASTM Practice E 2600-10 and the Michigan State Housing Development Authority (MSHDA) Environmental Review Guidelines for 2013 of the Miller Manor Housing Development located at 727 Miller Avenue, Ann Arbor, Washtenaw County, Michigan. Any exceptions to or deletions from this practice are described in the Limitations section of this report.

Based on the results of this Phase I ESA, no additional environmental investigation is recommended.

### **Section 8.3: Additional Investigation**

Based on the results of this Phase I ESA, no additional environmental investigation is recommended.

### **Section 8.4: Data Gaps**

ERG did not identify or encounter any instances of significant data gaps during the course of this ESA.

### **Section 8.5: Conclusions**

ERG has performed an Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E-1527-05, ASTM Practice E 2600-10 and the Michigan State Housing Development Authority (MSHDA) Environmental Review Guidelines for 2013 of the Miller Manor Housing Development located at 727 Miller Avenue, Ann Arbor, Washtenaw County, Michigan. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions connected with the property.

### **Section 8.6: Additional Services**

No additional services were included in the scope of work for this Phase I ESA.

### **Section 8.7: Deviations**

ERG did not deviate from ASTM Standard Practice E 1527-05 or MSHDA's 2013 Environmental Review Requirements when performing this Phase I ESA.

### **Section 8.8: References**

The information contained in this report reflects that obtained from the following sources:

- Reconnaissance/walk-through of the subject property conducted on April 24, 2013
- Interviews (or attempts to interview through written or verbal correspondence) with Ms. Lori Harris, a representative of Norstar Development USA, L.P., Ms. Jennifer Hall, Director of Ann Arbor Housing Commission, a representative of the City of Ann Arbor Fire Department; a representative of the City of Ann Arbor Assessing Department; a representative of the Washtenaw County Health Department
- Review of aerial photography obtained from Environmental Data Resources, Inc. (EDR)
- Review of Sanborn Fire Insurance maps obtained from EDR
- Review of City Directory Listings obtained from EDR
- Review of reasonably ascertainable records from the City of Ann Arbor Assessing Department
- Written FOIA request sent to the Washtenaw County Health Department
- The United States Geological Survey Division (U.S.G.S.) 7.5 Minute Topographic Map Ann Arbor West, Michigan Quadrangle, 1965 (photo revised in 1983)
- Review of the "Hydrogeologic Atlas of Michigan", produced by Western Michigan University and the United States Environmental Protection Agency, 1981
- Review of the "Bedrock Geology of Southern Michigan", Michigan Department of Natural Resources (MDNR), Geological Survey Division, 1987
- Review of the "Quaternary Geology of Southern Michigan", Department of Geological Sciences, University of Michigan, Ann Arbor, Michigan (1982)
- Review of federal and state regulatory records as part of the ASTM Standard Environmental Record Sources, provided by EDR, Milford, Connecticut

- Review of Vapor Encroachment as part of the services provided by EDR, Milford, Connecticut
- Review of MDEQ RRD Perfected Lien List, dated April 26, 2013, available from website at [http://www.michigan.gov/documents/deq/deq-rrd-ce-PERFECTEDLIENLIST.100212\\_399835\\_7.pdf](http://www.michigan.gov/documents/deq/deq-rrd-ce-PERFECTEDLIENLIST.100212_399835_7.pdf)
- Review of MDEQ Wetland Map through the MDEQ online Wetland viewer website at [www.mcgi.state.mi.us/wetlands/mapBasic.aspx](http://www.mcgi.state.mi.us/wetlands/mapBasic.aspx)
- Review of FEMA Floodplain Maps from the FEMA Map Service Center Website at <http://map1.msc.fema.gov>
- Review of Noise Assessment calculations with the HUD Site DNL Calculator at the HUD website: [www.hud.gov/offices/cpd/environment/dnlcalculatorortool.cfm](http://www.hud.gov/offices/cpd/environment/dnlcalculatorortool.cfm)

**Section 8.9: Signature of Environmental Professional(s)**

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



Penny M. Dwoinen  
Project Engineer



Andrew J. Foerg, CPG  
Senior Project Manager

**Section 8.10: Qualification(s) of Environmental Professional(s)**

The qualifications of the environmental professionals are outlined on the profiles presented in Section 10.8.

## **SECTION 9.0: NON-SCOPE CONSIDERATIONS**

### **Section 9.1: Friable and Non-friable Asbestos Containing Materials (ACMs)**

An asbestos containing material survey was conducted at the Site in accordance with MSHDA requirements. The ACM report will be submitted under separate cover.

### **Section 9.2: Lead-Based Paint**

A lead based paint inspection and risk assessment was conducted at the Site in accordance with MSHDA requirements. The lead paint report will be submitted under separate cover.

### **Section 9.3: Formaldehyde Insulation**

No obvious signs of formaldehyde insulation were observed during the site reconnaissance.

### **Section 9.4: Radon gas**

A radon survey was conducted at the Site in accordance with MSHDA requirements. The Radon report will be submitted under separate cover.

### **Section 9.5: 100-Year Floodplain**

According to a Federal Emergency Management Agency (FEMA) floodplain map, dated April 3, 2012 (Panel No. 26161C02423E), the subject property is not located within the 100-year flood zone. A copy of the floodplain map is included in Section 10.7.

### **Section 9.6: Wetlands**

According to the MDEQ online Wetland viewer ([www.mcgi.state.mi.us/wetlands/printMap.aspx](http://www.mcgi.state.mi.us/wetlands/printMap.aspx)), no wetlands are located on the subject property. In addition, no obvious wetland areas or wetland vegetation was observed on the Subject Property during the site reconnaissance. A printout from the MDEQ online Wetland viewer is presented in Section 10.7.

### **Section 9.7: Electromagnetic Fields**

The Subject Property is being renovated and electromagnetic fields were not reviewed as part of this Phase I ESA.

### **Section 9.8: High Pressure Buried Gas Lines**

The Subject Property is being renovated and high pressure gas lines were not reviewed as part of this Phase I ESA.

### **Section 9.9: Noise Analysis**

MSHDA requires that a noise assessment be completed for all development sites that are located within 1,000 feet of a limited access highway, or near a busy roadway (4-lane or more roadway with posted speeds at or above 45 miles an hour), or 3,000 feet of a railroad track, or 15 miles of an airport.

The subject property is not located within 1,000 feet of a limited access highway or near a busy roadway.

The subject property is located 1,300 feet west of a railroad track. Railway Noise calculations for the Site were performed at a Noise Assessment Location (NAL) that is located closest to the railroad track. Railroad operations data from the Ann Arbor Railroad was used as input to the HUD Site DNL Calculator ([www.hud.gov/offices/cpd/environment/dnlcalculator/tool.cfm](http://www.hud.gov/offices/cpd/environment/dnlcalculator/tool.cfm)) to obtain a DNL for the potential noise from the railroad. The calculated railway DNL is 62.0254 decibels (dB).

The subject property is also located approximately four miles to the north of the Ann Arbor Municipal Airport and 11.2 miles to the west northwest of the Willow Run Airport. ERG reviewed noise contour maps from both of the airports. The subject property was located well outside the DNL noise contours for both airports, and the airport noise is not considered significant.

The calculated DNL is 62 dB, which is within the acceptable noise range of less than 65dB.

The noise assessment documentation is presented in Section 10.7.

### **Section 9.10: Assessment of Potential Vapor Encroachment Conditions (VECs)**

ERG completed a Tier I and non-invasive Tier II Vapor Encroachment Screen (VES) of the target property. The Tier I and non-invasive Tier II VES was conducted in general accordance with the guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Assessment of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions Designation E 2600-10* (ASTM Standard Practice E 2600-10).

The purpose of the VES was to determine if potential Vapor Encroachment Concerns (pVECs) or Vapor Encroachment Concerns (VECs) exist in association with the target property. ASTM's Standard Practice E 2600-10 defines the term VEC as the presence or likely presence of any contaminant of concern (COC) in the indoor air environment of existing or planned structures on a property caused by the release of

vapor from contaminated soil or groundwater either on the property or within close proximity to the property, at a concentration that presents or may present an unacceptable health risk to occupants. A VEC can be further defined as any COC within 100 feet for soil impacts or ground water impacts of an existing/planned structure or to the target property boundary if there are no planned structures.

The scope of this Tier I VES included a review of the geologic, hydrologic, hydrogeologic, topographic maps, aerial photography, city directories, Sanborn Fire Insurance Maps, a review of previous site investigations, regulatory databases and other pertinent data obtained during the preparation of the Phase I.

The Tier II component of this VES included the use of professional judgment for additional nearby properties outside of the scope of a typical Phase I records review. No subsurface investigation of the property was undertaken as part of this Tier I and non-invasive Tier II VES.

ERG utilized EDR's VEC App Software to assist in completion of the E 2600-10 Tier I VES. The VEC App software performs an initial search of all ASTM E 2600-10 standard government record databases and EDR proprietary historical records related to former dry cleaners, gas stations and manufactured gas plants within the 1/3 mile maximum distance defined in ASTM E 2600-10 for COC-contaminated sites.

The initial screen for pVECs within the default Area of Concern identified one pVEC. The Subject Property was listed as a pVEC because it is listed as a conditionally exempt small quantity generator of waste. However, based on the observations made during the site reconnaissance and the interview with Mr. Lance Mitchell with AAHC, there is no indication that there is soil or groundwater contamination from the waste generation at the Subject Property. Therefore, the pVEC is not considered a VEC.

This Tier I and non-invasive Tier II VES did not reveal any further VECs in association with the target property and/or nearby/adjoining properties.

The EDR Vapor Encroachment Screen Report is presented in Section 10.7.

A copy of the NEPA Report, prepared by The Mannik & Smith Group, a MSHDA NEPA Qualified Consultant is provided in Section 10.7.



## **SECTION 10.0: APPENDICES**

### **Section 10.1: Site Vicinity Map**

The Site Vicinity Map is presented as Figure 1 in Section 10.1.

### **Section 10.2: Site Plan**

The Site Plan is presented as Figure 2 and the Site Features Diagram is presented as Figure 3 in Section 10.2.

### **Section 10.3: Site Photographs**

The Site Photographs are presented in Section 10.3.

### **Section 10.4: Historical Research Documentation**

The following historical research documentation is presented in Section 10.4:

- Aerial Photographs
- Historical Sanborn Maps
- City Directory Report

### **Section 10.5: Regulatory Records Documentation**

The Environmental Database Report is presented in Section 10.5.

### **Section 10.6: Interview Documentation**

The following non-scope documentation is presented in Section 10.6:

- The User Disclosure Statement
- Owner Questionnaire
- Title Records
- MDEQ Perfected Lien List
- 2010 Physical Needs Assessment Report
- Correspondences with regulatory agencies
- Legal Description

### **Section 10.7: Special Contractual Conditions between User and EP**

The following non-scope documentation is presented in Section 10.7:

- FEMA FIRMette
- Wetland Map
- Noise Assessment Documentation
- EDR Vapor Encroachment Screen Report
- NEPA Report

### **Section 10.8: Qualifications of the Environmental Professionals**

The profiles of the EPs involved in this Phase I ESA are presented in Section 10.8.

**Section 10.9: MSHDA Phase I Letter of Reliance**

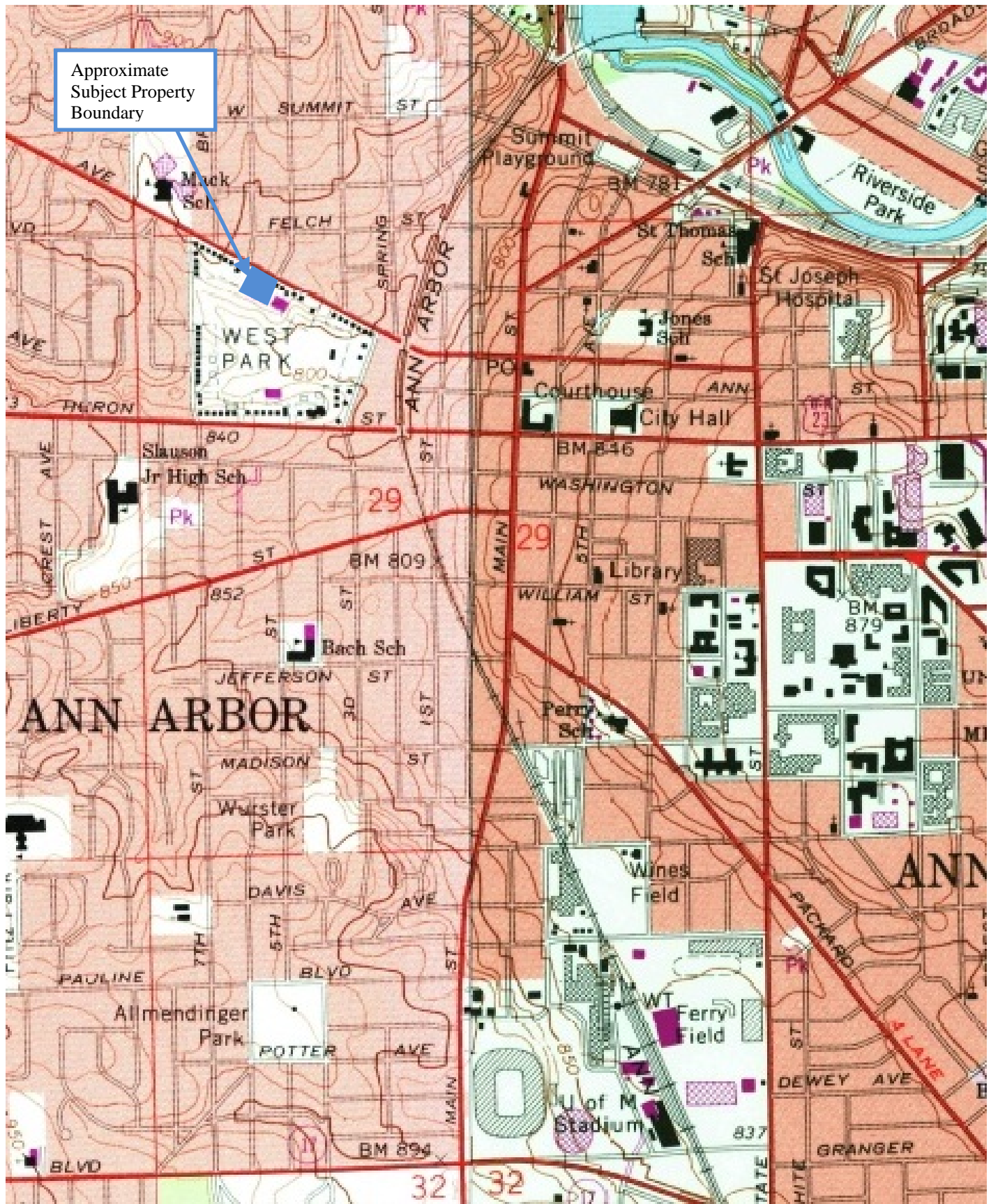
The MSHDA Phase I Letter of Reliance is presented at the beginning of this Report and in Section 10.9.

**Section 10.10: Environmental Professional Insurance Certificates**

The Professional Liability Insurance Certificates and signed proposal are presented in Section 10.10.

**SECTION 10.1**

**Figure 1: Site Map**



**Figure : 1 - Site Vicinity Map**

Miller Manor  
 727 Miller Avenue, Ann Arbor, Michigan

**SECTION 10.2**

**Figure 2: Site Plan**

**Figure 3: Site Features Diagram**

# ALTA/ACSM LAND TITLE SURVEY

## LEGEND

○	EXIST. MANHOLE	⊙	EXISTING GAS METER
□	EXIST. CATCH BASIN/INLET	⊗	EXISTING WATER VALVE
⊠	EXIST. ELECTRIC TRANSFORMER	⊕	EXISTING HYDRANT
⊡	EXIST. CURB AND GUTTER	⊖	EXISTING SIGN
⊢	EXISTING FENCE	⊗	EXISTING PARKING COUNT
⊣	EXISTING WALL	⊘	EXISTING CABLE MARKER
⊤	EXISTING OVERHEAD LINE	⊙	EXISTING POSTS
⊥	EXISTING UNDERGROUND ELECTRIC	⊙	EXISTING UTILITY POLE
⊦	EXISTING UNDERGROUND GAS	⊙	EXISTING HANDICAP
⊧	EXISTING WATER	⊙	EXISTING ELECTRIC METER
⊨	EXISTING SANITARY	⊙	EXISTING LIGHTPOLE
⊩	EXISTING STORM	⊙	EXISTING TELEPHONE RISER
⊪	EXISTING UNDERGROUND GAS	⊙	PROPERTY LINE
⊫	EXISTING WATER		
⊬	EXISTING SANITARY		
⊭	EXISTING STORM		
⊮	FOUND CONC MONUMENT		
⊯	FOUND IRON PIPE		
⊰	SET CAPPED IRON ROD		
⊱	LOCATION SHOWN PER CLIENT PROVIDED MAPS		
⊲	EXISTING GUY ANCHOR		

## SURVEYOR'S NOTES:

- BASIS OF BEARING IS S60°45'30"E ALONG THE CENTERLINE OF MILLER AVENUE, PER "ASSESSOR'S PLAT NO. 20", LIBER 9 OF PLATS, PAGE 4, W.C.R.
- WATER MAIN, STORM SEWER, SANITARY SEWER AND UNDERGROUND UTILITY LINES HAVE BEEN MAPPED USING FIELD OBSERVATIONS AND RECORDED DOCUMENTS PROVIDED BY THE CLIENT, NO GUARANTEE CAN BE MADE TO THE COMPLETENESS, EXACTNESS OR CORRECTNESS OF THESE LOCATIONS.  
-WATER MAIN AND UNDERGROUND GAS ARE SHOWN PER CLIENT PROVIDED DOCUMENTS AND DRAWINGS.
- FLOOD ZONE DESIGNATION: SUBJECT PARCEL IS LOCATED IN FLOOD PLAIN ZONE X, AREA DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN, PER MAP NUMBER 26161C, PANEL 0242E OF THE FEDERAL FLOOD INSURANCE RATE MAPS, WITH AN EFFECTIVE DATE OF APRIL 3, 2012.
- ZONING-SUBJECT PARCEL IS ZONED R-4C (MULTI-FAMILY DWELLING DISTRICT)

MINIMUM LOT AREA PER DWELLING UNIT (SQ FT)	MINIMUM USABLE OPEN SPACE IN PERCENTAGE OF LOT AREA	MAXIMUM HEIGHT (FT.)
2175	40%	30

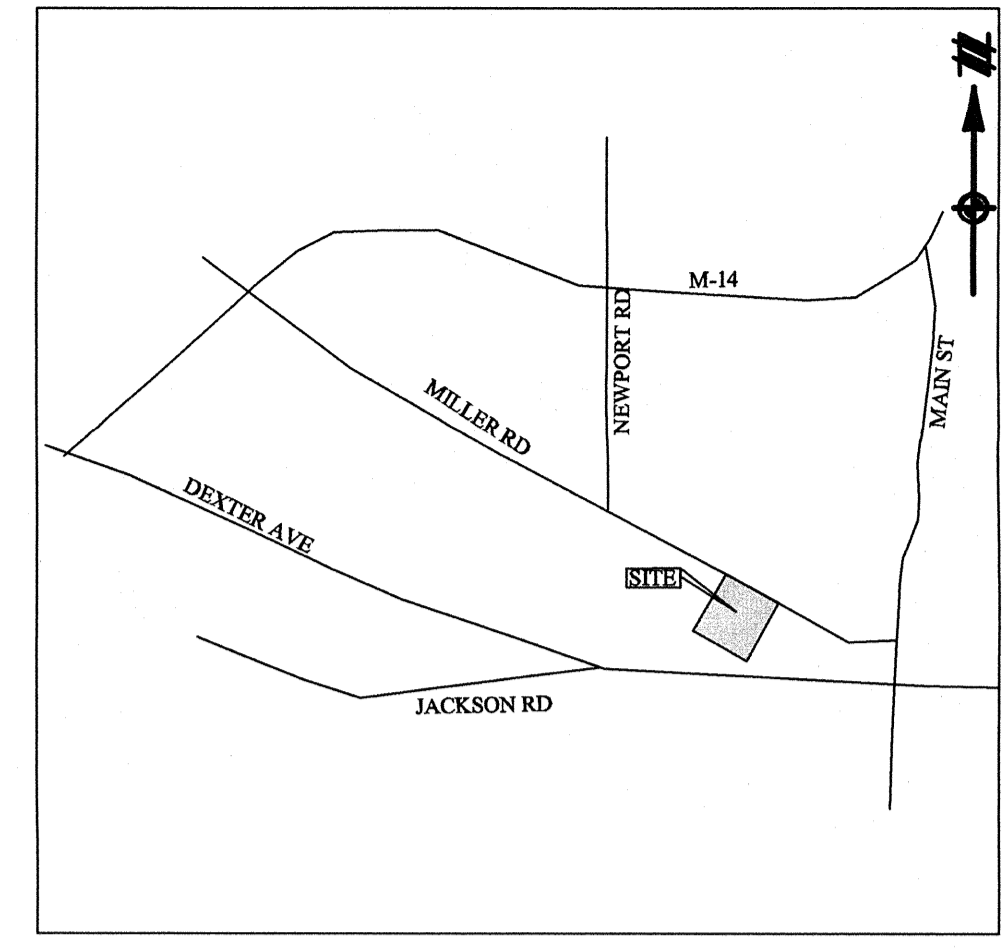
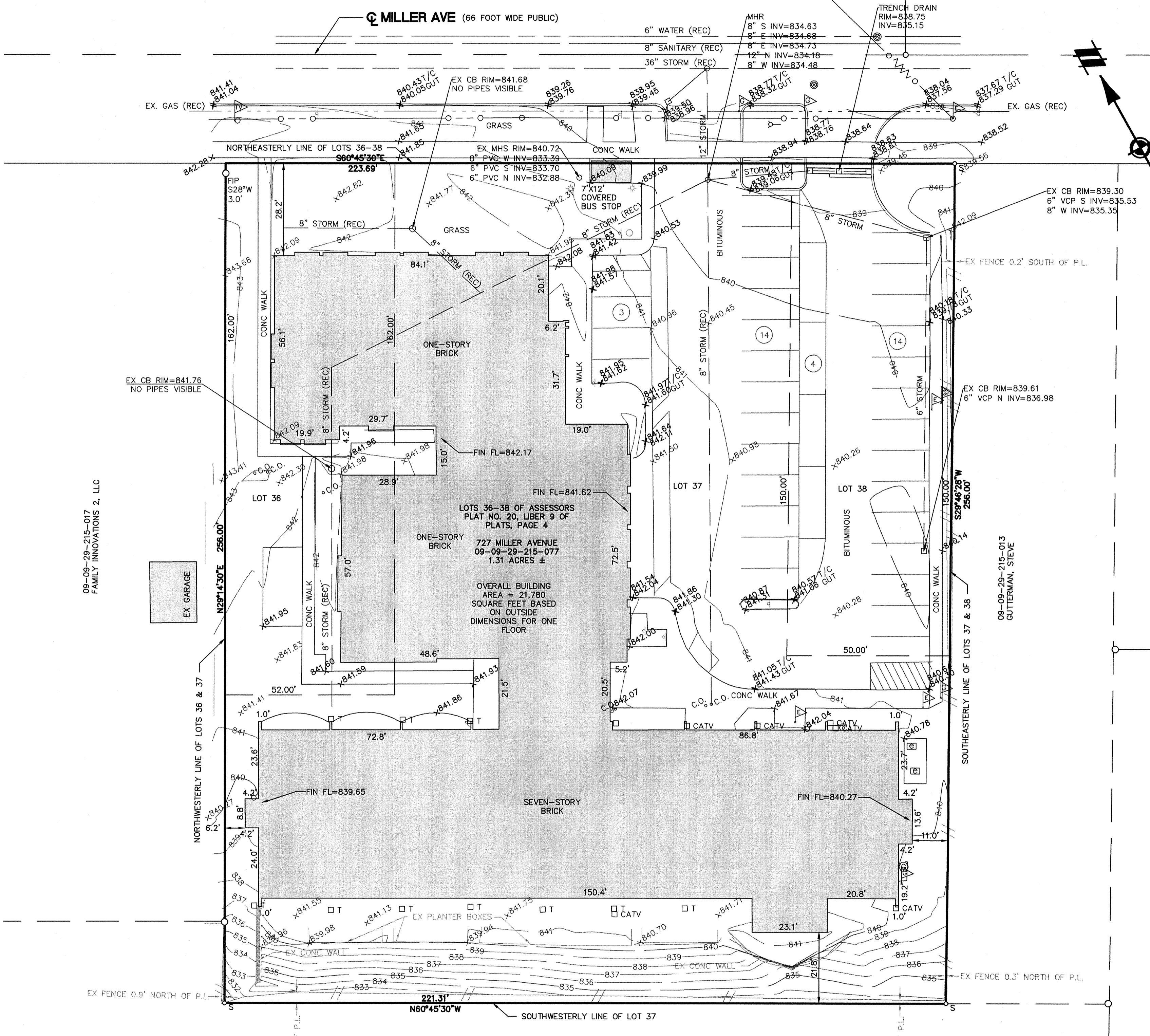
  

REQUIRED SETBACK (FT.)-			
MINIMUM FRONT	MAXIMUM FRONT	REAR	SIZE
25	12	30	NONE

MINIMUM GROSS LOT SIZE-	
AREA (SQ. FT.)	WIDTH (FT.)
8500	60

- ADDITIONAL SETBACK REGULATIONS PER SECTION 5:62:
- In the R3, R4A, R4B, R4C, R4D, and R4E multiple family dwelling districts, the required side setback line minimum dimension, as set forth in the schedule of area, height and placement regulations [Sections 5:25 through 5:49], shall be increased 3 inches for each foot of building height above 35 feet and 1 1/2 inches for each foot of building length over 50 feet. The rear required setback line the minimum dimensions, as set forth in the schedule of area, height and placement regulations [Sections 5:25 through 5:49], shall be increased 1 1/2 inches for each foot of building height over 35 feet and 1 1/2 inches for each foot of building width over 50 feet. The building length shall be the dimension of that side, which is parallel to the side lot line, of a rectangle within which the building may be located. The building width shall be the dimension of that side which is parallel to the front lot line, of a rectangle within which the building may be located.
  - As an alternate to providing the additional side open space required in Section 5:62(1) above, an equal amount of usable open space may be provided between the minimum side setback line and the building. Nothing in this section shall be deemed, however, to permit reduction of the required side setback line minimum dimension, as set forth in the schedule of area, height and placement regulations [Sections 5:25 through 5:49].
- THERE WAS NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS AT THE DATE OF THE FIELD WORK.
  - THERE WAS NO OBSERVED EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL AT THE DATE OF THE FIELD WORK.
  - THERE WAS NO OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS AT THE DATE OF THE FIELD WORK.
  - THERE WAS NO OBSERVED IMPROVEMENTS WITHIN ANY OFFSITE EASEMENTS IDENTIFIED IN PROVIDED TITLE COMMITMENT BENEFITING THE SURVEYED PROPERTY AT THE DATE OF THE FIELD WORK.
  - NO APPARENT WETLANDS ARE LOCATED ON THE SUBJECT PROPERTY ACCORDING TO THE U.S. FISH AND WILDLIFE SERVICE NATIONAL WETLANDS INVENTORY MAPPER.
  - EXISTING PARKING-  
35 TOTAL SPACES



**SCHEDULE "A" LEGAL DESCRIPTION (PER ABSOLUTE TITLE, INC.)**  
 File No.: 73073, Effective Date: December 3, 2012

The land referred to in this Search is situated in the City of Ann Arbor, Washtenaw County, Michigan, and is described as follows:

Lots 36, 37, and 38, Assessor's Plat No. 20, City of Ann Arbor, as recorded in Liber 9 of Plats, Page 4, Washtenaw County Records.

727 Miller Avenue

**SCHEDULE-B SECTION II EXCEPTIONS (PER ABSOLUTE TITLE, INC.)**  
 File No.: 73073, Effective Date: December 3, 2012

NONE APPLICABLE

Land Development & Real Estate  
 Power & Energy  
 Telecommunications  
 Infrastructure & Transportation  
 Environmental & Solid Waste  
 Water & Natural Resources

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 OFFICES IN NORTH AMERICA AND ASIA

SECTION 29  
 TOWN 02 SOUTH, RANGE 06 EAST  
 CITY OF ANN ARBOR,  
 WASHTENAW COUNTY, MICHIGAN

CLIENT  
 NORSTAR  
 ALTA/ACSM LAND TITLE SURVEY  
 Lots 36, 37, and 38 of Assessor's Plat No. 20,  
 W.C.R. City of Ann Arbor, Washtenaw County, MI  
 as recorded in Liber 9 of Plats, Page 4,  
 Washtenaw County Records.

DATE  
 JUNE 18, 2013

REVISIONS

CERTIFICATE  
 The undersigned hereby certifies to:  
 1.) ABSOLUTE TITLE, INC.  
 2.) CITY OF ANN ARBOR HOUSING COMMISSION

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2011 Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys, jointly established and adopted by ALTA and NSPS and includes items 1, 2, 3, 4, 6(b), 7(a)(b), 8, 9, 10(a), 11(b), 13, 16, 17, 18, 19 and 20 of Table A thereof.

The field work was completed on May 6, 2013.

*Lisa M. Drouillard*  
 Registered Professional Surveyor No. 46723  
 Two Towne Square, Suite 700  
 Southfield, Michigan 48076  
 248.447.2000

7/4/13  
 Date

SCALE 0 10 20  
 1" = 20 FEET

DR. KMK | CH. LMD  
 P.M. L. DROUILLARD  
 BOOK 415  
 CAD FILE:  
 13000211-01F-AS-01  
 JOB 13000211  
 FILE CODE: AS-01  
 SHEET NO.

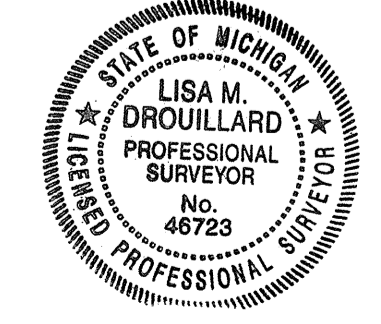
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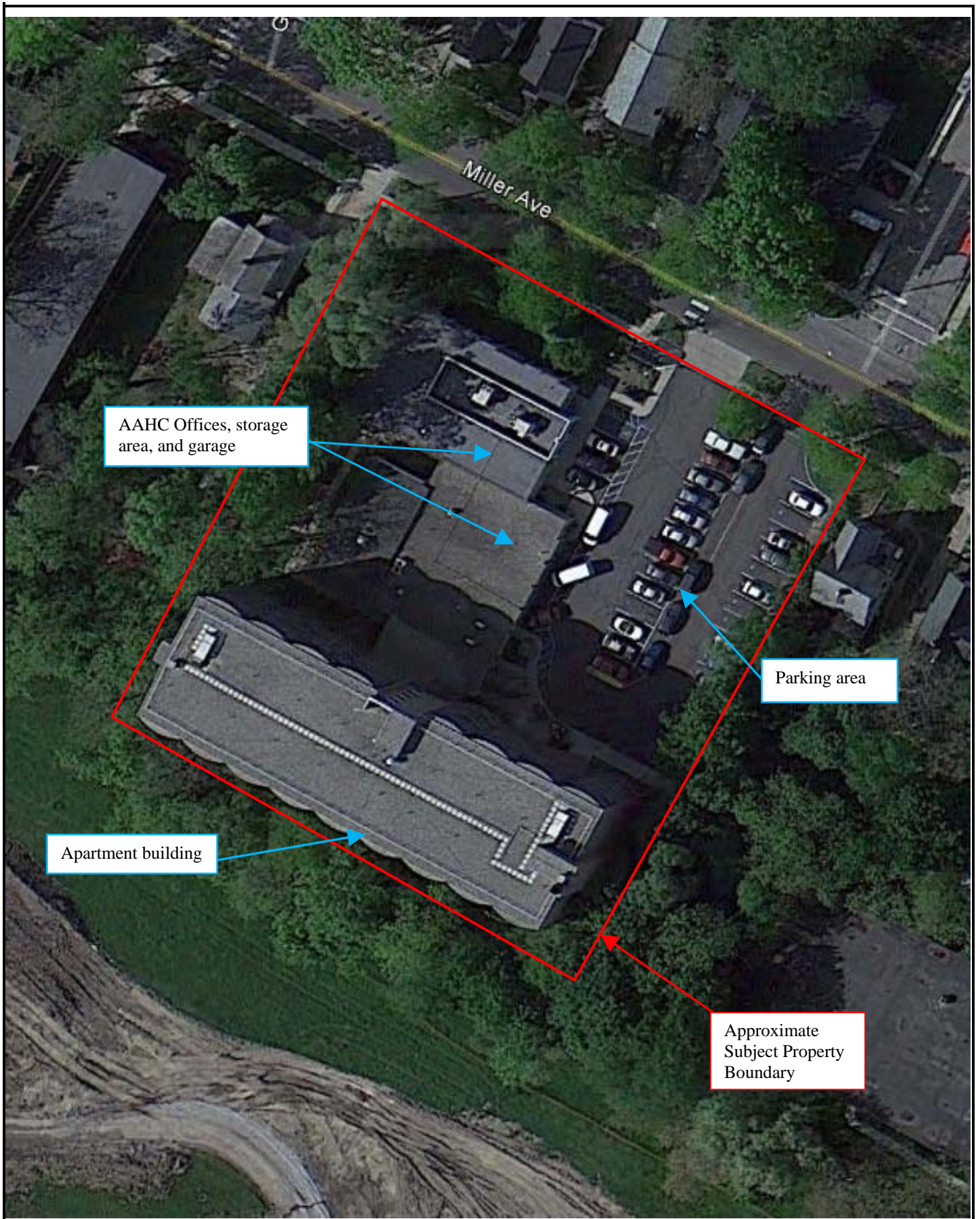


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 CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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AAHC Offices, storage area, and garage

Parking area

Apartment building

Approximate Subject Property Boundary

**Figure : 3 - Site Features Diagram**  
Miller Manor  
727 Miller Avenue, Ann Arbor, Michigan

Source: Google Earth

**SECTION 10.3**

**Site Photographs**





Photograph 1: The Miller Manor apartment building, view facing south.



Photograph 2: AAHC offices on the north side of the building, view facing west.



Photograph 3: Asphalt parking lot observed on the northeast portion of the Subject Property.



Photograph 4: Two solid waste dumpsters observed on the north side of the apartment building.



Photograph 5: Pad-mounted transformer and switch gear box observed on the east side of the apartment building.



Photograph 6: Typical hall in the apartment building.



Photograph 7: Typical living room in the apartment building.



Photograph 8: Typical Kitchen in the apartment building.



Photograph 9: Lobby in the first floor of the apartment building.



Photograph 10: Community room in the first floor of the apartment building.



Photograph 11: Kitchen in the first floor of the apartment building.



Photograph 12: Trash compactor in the first floor of the apartment building.



Photograph 13: Natural gas fired emergency generator observed in the southeast corner of the first floor of the apartment building.



Photograph 14: Furnaces observed in the first floor of the apartment building.



Photograph 15: Water heaters observed in the first floor of the apartment building.



Photograph 16: Recycling dumpsters observed in the first floor of the apartment building.





Photograph 17: AAHC offices observed on the north side addition to the first floor of the building.



Photograph 18: AAHC offices observed on the north side addition to the first floor of the building.



Photograph 19: AAHC offices observed on the north side addition to the first floor of the building.



Photograph 20: Lounge in the AAHC maintenance area observed on the north side addition to the first floor of the building.



Photograph 21: Maintenance equipment storage in the north side addition to the building.



Photograph 22: Maintenance equipment storage in the north side addition to the building.



Photograph 23: Paint storage in the north side addition to the building.



Photograph 24: Maintenance chemical storage in the north side addition to the building.



Photograph 25: Vehicle and building component storage in the garage in the north side addition to the building.



Photograph 26: Garage in the north side addition to the building.



Photograph 27: North adjoining Miller Avenue and residential houses beyond, view facing northwest.



Photograph 28: North adjoining Miller Avenue and residential houses beyond, view facing north northeast.



Photograph 29: South adjoining park, view facing west.



Photograph 30: South adjoining park with amphitheater, view facing south.



Photograph 31: East adjoining residential house.



Photograph 32: West adjoining residential house.



**SECTION 10.4**

**Aerial Photographs  
Historical Sanborn Maps  
City Directory Report**



**Miller Manor**

727 Miller Ave

Ann Arbor, MI 48103

Inquiry Number: 3594432.5

May 06, 2013

## The EDR Aerial Photo Decade Package



440 Wheelers Farms Road  
Milford, CT 06461  
800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Aerial Photo Decade Package

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

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with any questions or comments.

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**Date EDR Searched Historical Sources:**

Aerial Photography May 06, 2013

**Target Property:**

727 Miller Ave

Ann Arbor, MI 48103

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1937	Aerial Photograph. Scale: 1"=500'	Flight Year: 1937	AAA
1940	Aerial Photograph. Scale: 1"=500'	Flight Year: 1940	AAA
1949	Aerial Photograph. Scale: 1"=500'	Flight Year: 1949	Detroit Edison
1955	Aerial Photograph. Scale: 1"=500'	Flight Year: 1955	CSS
1961	Aerial Photograph. Scale: 1"=500'	Flight Year: 1961	SEMCOG
1969	Aerial Photograph. Scale: 1"=500'	Flight Year: 1969	SEMCOG
1978	Aerial Photograph. Scale: 1"=600'	Flight Year: 1978	ASCS
1985	Aerial Photograph. Scale: 1"=500'	Flight Year: 1985	SEMCOG
1992	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1992	EDR
1992	Aerial Photograph. Scale: 1"=600'	Flight Year: 1992	NAPP
2000	Aerial Photograph. Scale: 1"=500'	Flight Year: 2000	SEMCOG
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	EDR
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	EDR
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	EDR



Approximate  
Subject Property  
Boundary

29

INQUIRY #: 3594432.5

YEAR: 1937

| = 500'



9-40



Approximate  
Subject Property  
Boundary

INQUIRY #: 3594432.5

YEAR: 1940

| = 500'





Approximate  
Subject Property  
Boundary

INQUIRY #: 3594432.5

YEAR: 1949

| = 500'





Approximate  
Subject Property  
Boundary



INQUIRY #: 3594432.5

YEAR: 1955

| = 500'





4-18-62

Approximate  
Subject Property  
Boundary



INQUIRY #: 3594432.5

YEAR: 1961

| = 500'



ES&S Environmental  
Data Resources Inc.



Approximate  
Subject Property  
Boundary

INQUIRY #: 3594432.5

YEAR: 1969

| = 500'





Approximate  
Subject Property  
Boundary

INQUIRY #: 3594432.5

YEAR: 1978

| = 600'





Approximate  
Subject Property  
Boundary

INQUIRY #: 3594432.5

YEAR: 1985

| = 500'





Approximate  
Subject Property  
Boundary

**INQUIRY #:** 3594432.5

**YEAR:** 1992



| = 500'



Approximate  
Subject Property  
Boundary

INQUIRY #: 3594432.5

YEAR: 1992

| = 600'



DG

99-



Approximate  
Subject Property  
Boundary

INQUIRY #: 3594432.5

YEAR: 2000

| = 500'





Approximate  
Subject Property  
Boundary

INQUIRY #: 3594432.5

YEAR: 2005

| = 500'







Approximate  
Subject Property  
Boundary

INQUIRY #: 3594432.5

YEAR: 2006

| = 500'





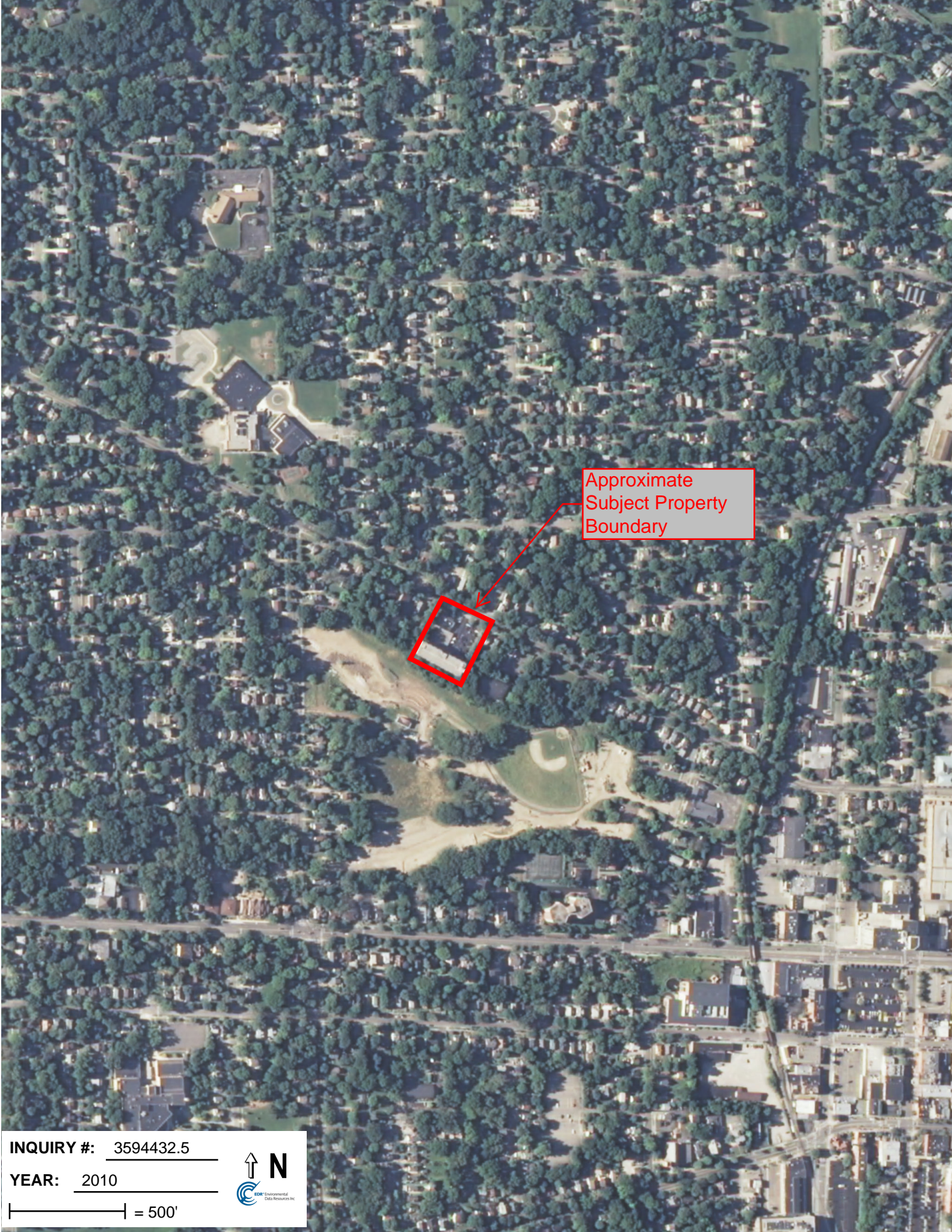
Approximate  
Subject Property  
Boundary

INQUIRY #: 3594432.5

YEAR: 2009



| = 500'



Approximate  
Subject Property  
Boundary

INQUIRY #: 3594432.5

YEAR: 2010

|—————| = 500'





**Miller Manor**

727 Miller Ave

Ann Arbor, MI 48103

Inquiry Number: 3594432.3

May 01, 2013

## Certified Sanborn® Map Report

# Certified Sanborn® Map Report

5/01/13

**Site Name:**

Miller Manor  
727 Miller Ave  
Ann Arbor, MI 48103

**Client Name:**

Environmental Resources  
PO Box 1172  
Union Lake, MI 48387



EDR Inquiry # 3594432.3

Contact: Penny M. Dwoinen

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

### Certified Sanborn Results:

**Site Name:** Miller Manor  
**Address:** 727 Miller Ave  
**City, State, Zip:** Ann Arbor, MI 48103  
**Cross Street:**  
**P.O. #** 1126.001  
**Project:** 1126.001  
**Certification #** 9494-4199-9BA3



Sanborn® Library search results  
Certification # 9494-4199-9BA3

**Maps Provided:**

1972  
1948  
1931  
1925  
1916

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

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

*The Sanborn Library LLC Since 1866™*

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## Sanborn Sheet Thumbnails

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



### 1972 Source Sheets



Volume 1, Sheet 11



Volume 1, Sheet 12



Volume 1, Sheet 13

### 1948 Source Sheets



Volume 1, Sheet 11



Volume 1, Sheet 13

### 1931 Source Sheets



Volume 1, Sheet 13



Volume 1, Sheet 11

### 1925 Source Sheets



Volume 1, Sheet 16



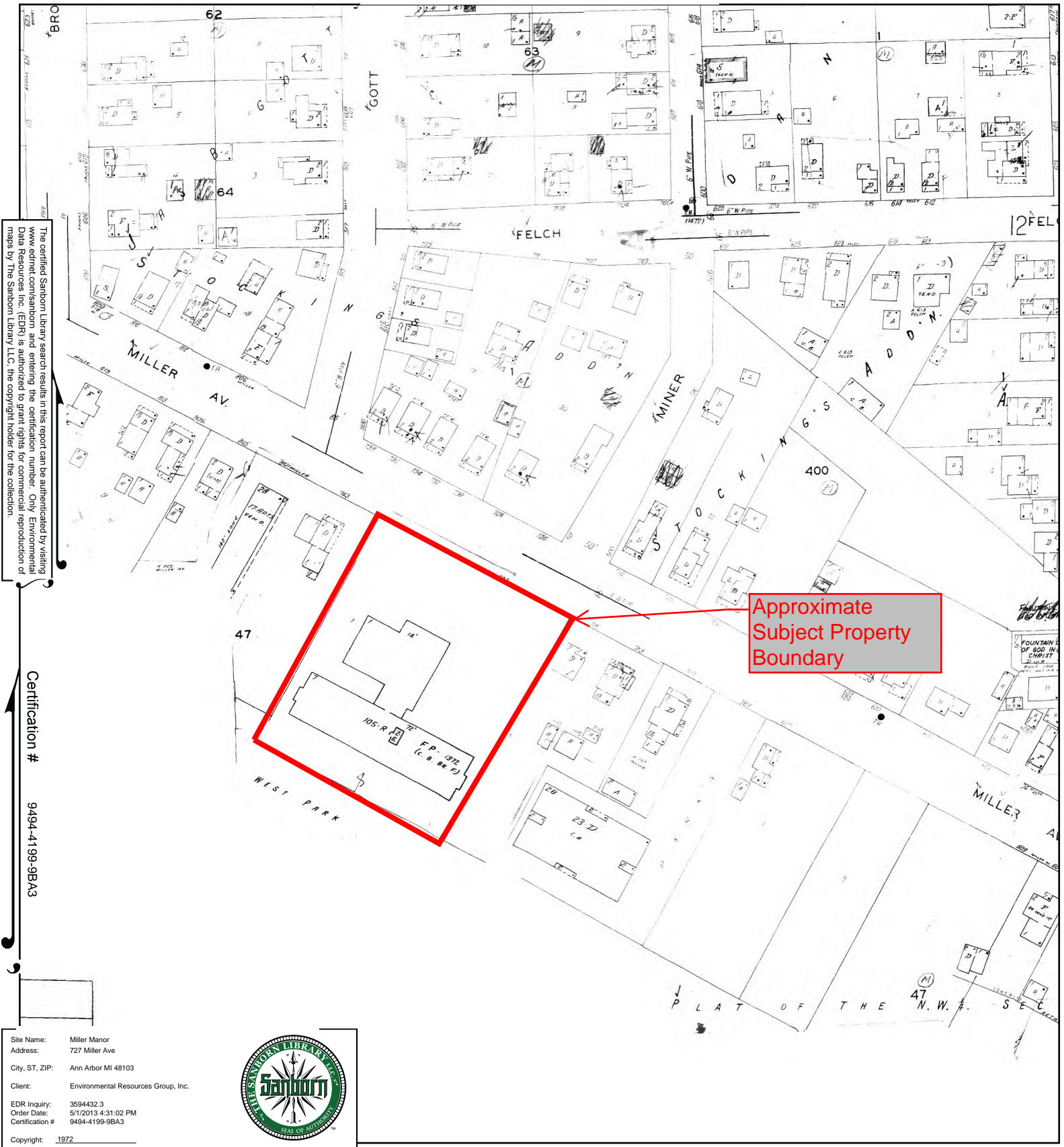
Volume 1, Sheet 18

**1916 Source Sheets**



Volume 1, Sheet 30

# 1972 Certified Sanborn Map



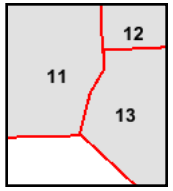
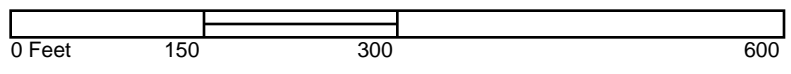
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Certification # 9494-4199-9BA3

Site Name: Miller Manor  
 Address: 727 Miller Ave  
 City, ST, ZIP: Ann Arbor MI 48103  
 Client: Environmental Resources Group, Inc.  
 EDR Inquiry: 3594432.3  
 Order Date: 5/1/2013 4:31:02 PM  
 Certification #: 9494-4199-9BA3  
 Copyright: 1972



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.

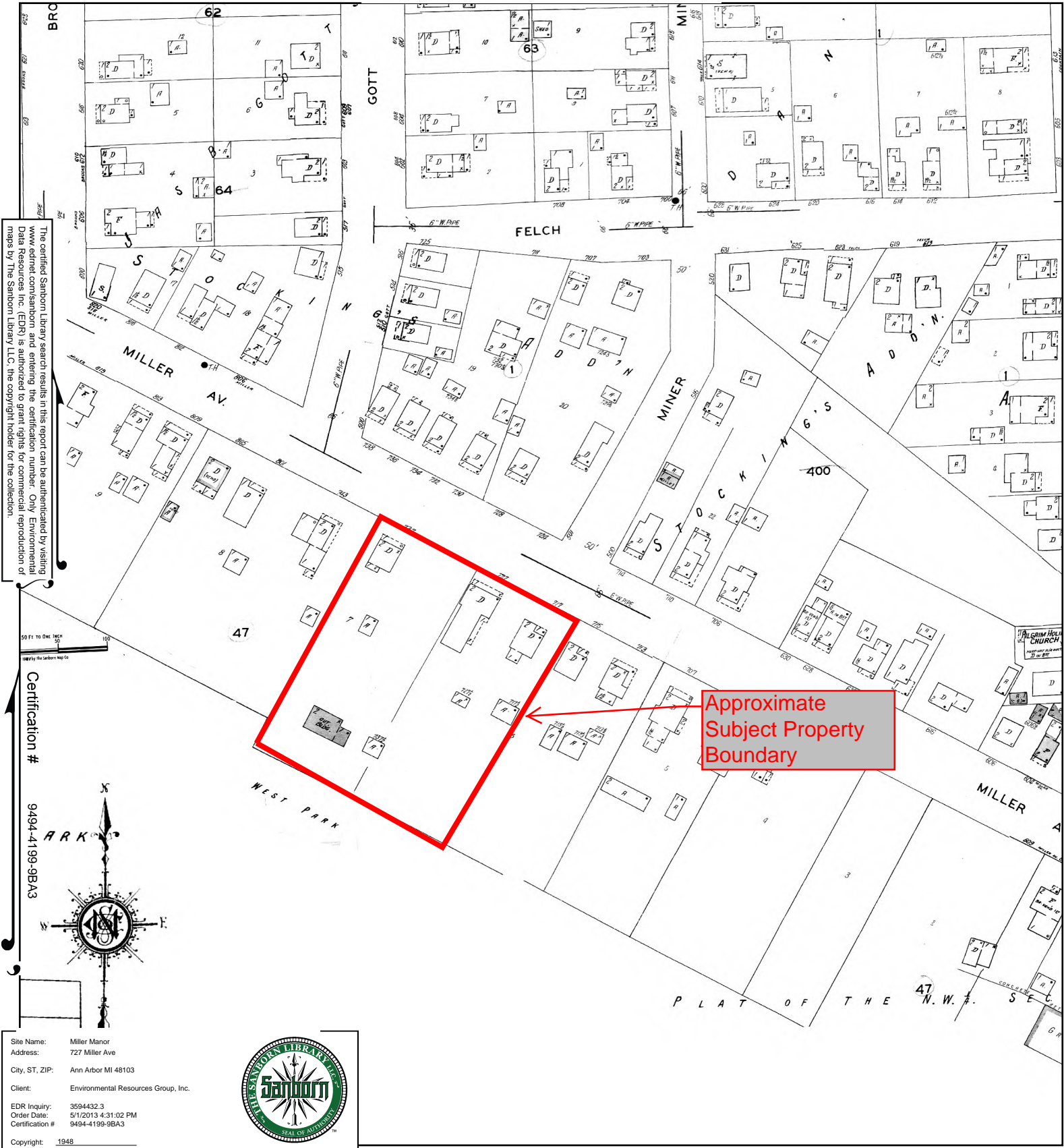


- Volume 1, Sheet 11
- Volume 1, Sheet 12
- Volume 1, Sheet 13



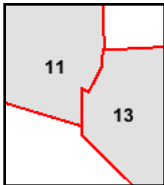
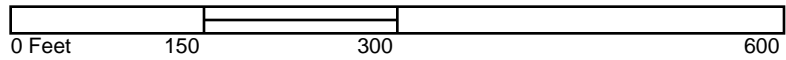


# 1948 Certified Sanborn Map



Approximate Subject Property Boundary

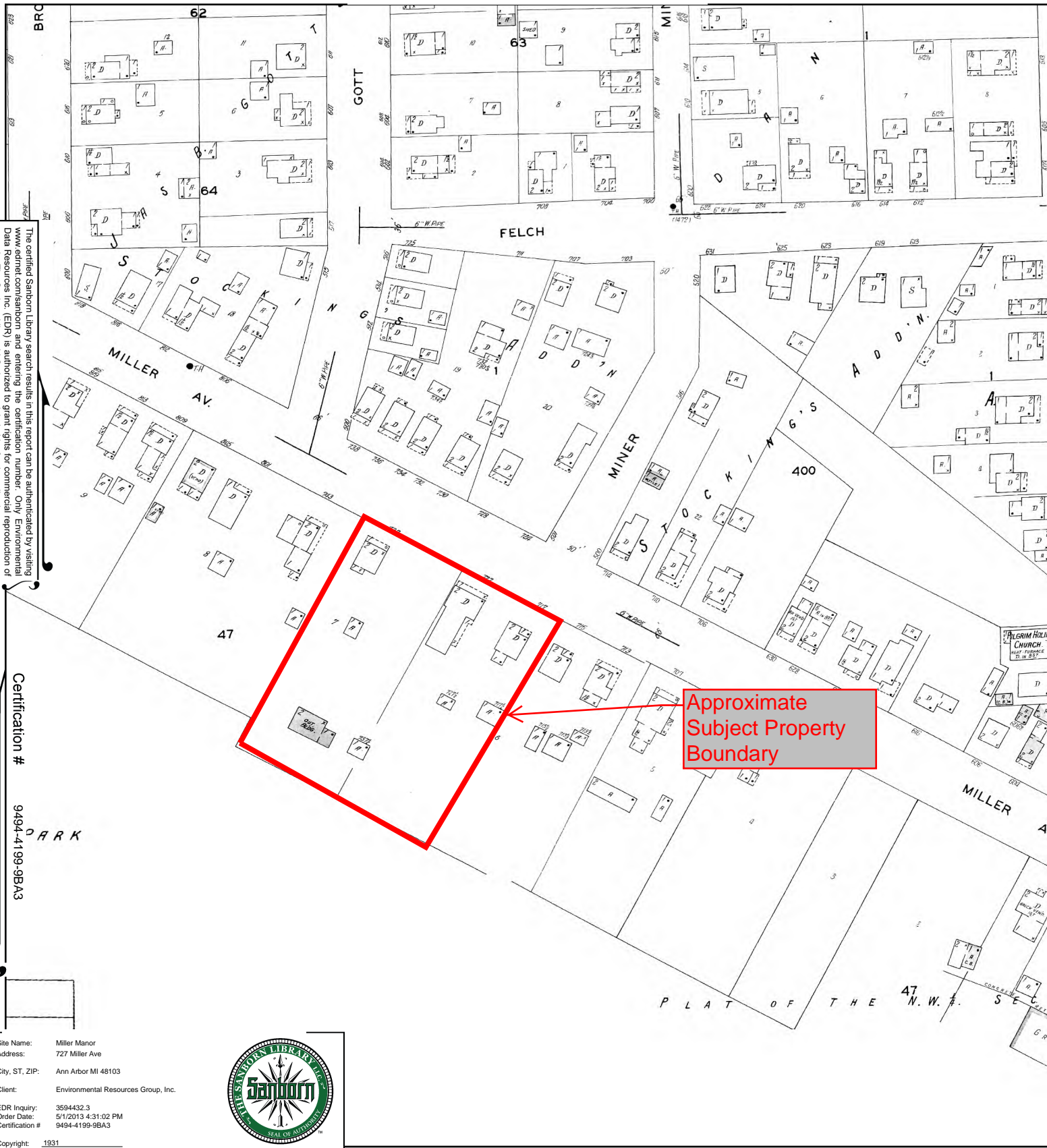
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Volume 1, Sheet 11  
Volume 1, Sheet 13



# 1931 Certified Sanborn Map



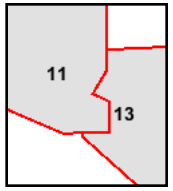
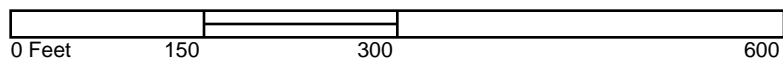
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 Address: 727 Miller Ave  
 City, ST, ZIP: Ann Arbor MI 48103  
 Client: Environmental Resources Group, Inc.  
 EDR Inquiry: 3594432.3  
 Order Date: 5/1/2013 4:31:02 PM  
 Certification #: 9494-4199-9BA3  
 Copyright: 1931



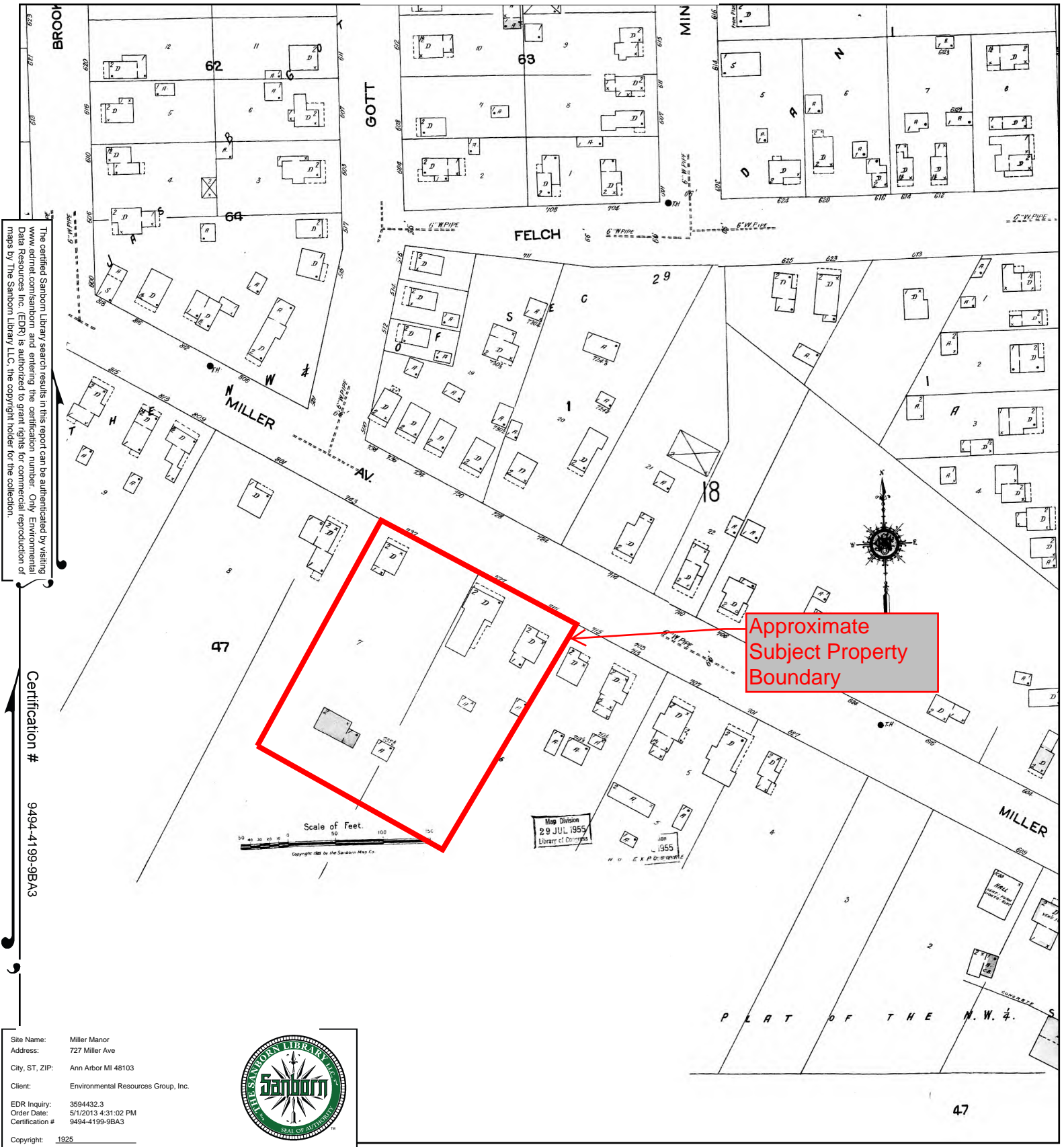
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Volume 1, Sheet 13  
 Volume 1, Sheet 11



# 1925 Certified Sanborn Map



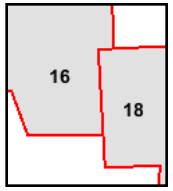
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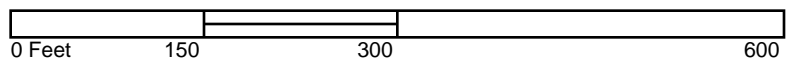
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 Address: 727 Miller Ave  
 City, ST, ZIP: Ann Arbor MI 48103  
 Client: Environmental Resources Group, Inc.  
 EDR Inquiry: 3594432.3  
 Order Date: 5/1/2013 4:31:02 PM  
 Certification #: 9494-4199-9BA3  
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Volume 1, Sheet 16  
 Volume 1, Sheet 18

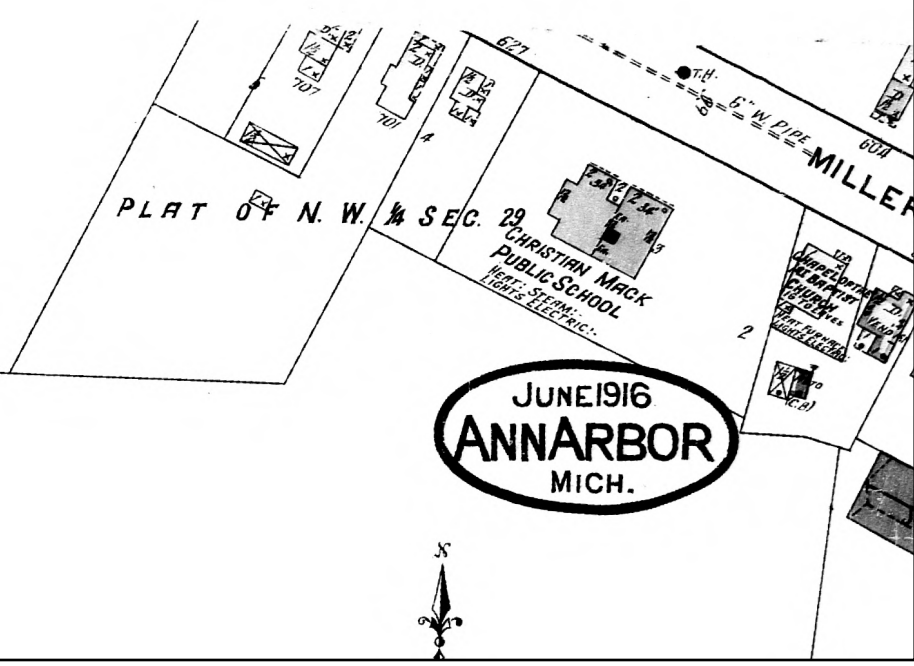


# 1916 Certified Sanborn Map

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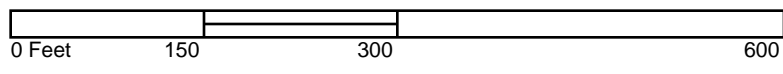
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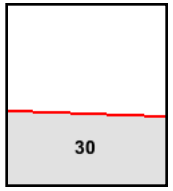
Site Name: Miller Manor  
 Address: 727 Miller Ave  
 City, ST, ZIP: Ann Arbor MI 48103  
 Client: Environmental Resources Group, Inc.  
 EDR Inquiry: 3594432.3  
 Order Date: 5/1/2013 4:31:02 PM  
 Certification #: 9494-4199-9BA3  
 Copyright: 1916



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 30



**Miller Manor**

727 Miller Ave  
Ann Arbor, MI 48103

Inquiry Number: 3594432.6  
May 07, 2013

# The EDR-City Directory Image Report

## TABLE OF CONTENTS

### **SECTION**

**Executive Summary**

**Findings**

**City Directory Images**

***Thank you for your business.***

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2012	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
2007	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
2003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
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1907	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1902	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

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## FINDINGS

### TARGET PROPERTY STREET

727 Miller Ave  
Ann Arbor, MI 48103

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
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#### Miller Avenue

2012	pg A1	Polk's City Directory
2007	pg A2	Polk's City Directory
2003	pg A3	Polk's City Directory
2003	pg A4	Polk's City Directory
2000	pg A5	Polk's City Directory
1996	pg A6	Polk's City Directory
1993	pg A7	Polk's City Directory
1993	pg A8	Polk's City Directory
1988	pg A9	Polk's City Directory
1984	pg A10	Polk's City Directory
1984	pg A11	Polk's City Directory
1979	pg A12	Polk's City Directory
1979	pg A13	Polk's City Directory
1974	pg A14	Polk's City Directory
1974	pg A15	Polk's City Directory
1969	pg A16	Polk's City Directory
1964	pg A17	Polk's City Directory
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1955	pg A19	Polk's City Directory
1949	pg A20	Polk's City Directory
1945	pg A21	Polk's City Directory
1939	pg A22	Polk's City Directory
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1928	pg A25	Polk's City Directory
1923	pg A26	Polk's City Directory
1918	pg A27	Polk's City Directory
1913	pg A28	Polk's City Directory
1913	pg A29	Polk's City Directory
1907	pg A30	Polk's City Directory



## FINDINGS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
1902	pg A31	Polk's City Directory

# FINDINGS

## CROSS STREETS

Year                      CD Image                      Source

### Miner Street

2012	pg. A32	Polk's City Directory	
2007	pg. A33	Polk's City Directory	
2007	pg. A34	Polk's City Directory	
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1928	pg. A51	Polk's City Directory	
1923	pg. A52	Polk's City Directory	
1918	pg. A53	Polk's City Directory	
1913	-	Polk's City Directory	Target and Adjoining not listed in Source
1907	-	Polk's City Directory	Target and Adjoining not listed in Source
1902	-	Polk's City Directory	Target and Adjoining not listed in Source

## **City Directory Images**

**Miller Avenue 2012**

MILLER AVE Cont'd		MILLER AVE Cont'd	
	OZONE HOUSE MILLER HOUSE shelters ✓ @ .....734-997-2029	112	Strange Martin D ✓ [32]
510	Mann Jennifer M ✓ [2]	201	Bingham Kevin S ✓ [4]
511	No Current Listing	202	Mitchell Barbara J ✓ [6]
514	Lacey Joshua S ✓ @ [11]	203	Hamed Sam ✓
	✓ Vaughan Adam ✓	203	Hamed Karen
518	1 Fish Joshua A ✓ @ [20]	204	Van Auker Matthew D ✓ [2]
	1 ✓ Whealea Richard W ✓	205	Roberts Joyce L ✓ [11]
	.....734-222-1805	206	Evon Kimberly D ✓ [15]
	2 Schwartz Russell H [4]	.....734-213-5467	
522	Barclay Beth S ✓ [7] (1939)	208	Schumaier Richard ✓ [10]
	Miklethun Kile & Gaia K ✓ [7]	214	Henson Leonard E ✓ [6]
	.....734-994-4937	.....734-994-5458	
523	Carn Lisa J ✓ [34] (1920)	214	Sorokina Larisa ✓ [9]
525	2 ✓ Burkett Erin M ✓	.....734-994-1506	
530	Hamlett Monica A @ [2]	302	Foster Joyce E ✓ [18]
	HEI WA CO-OP HOUSE	.....734-369-3399	
	cooperatives .....734-669-8028	303	Russell Jeanie ✓ [6]
	<b>+ FOUNTAIN ST CONTINUES</b>	303	Swanigan Rufus T ✓ [11]
601	Briegel John J & Kristin H ✓ @ [33] (1901)	.....734-761-1636	
	Kusnetzky Lara R ✓ [6]	304	Randle Vernard ✓ [16]
	.....734-994-3097	.....734-996-9243	
	.....734-827-8127	306	Berry John A ✓ @ [36]
	<b>+ FOUNTAIN ST INTERSECTS</b>	.....734-332-1035	
604	1 Chapman Joseph R ✓ [2]	307	Fisher Priscilla R ✓ [13]
	2 Watrous Angela N [2]	.....734-663-0702	
	3 ✓ Thompson Courtney C ✓	308	Porter-Aaron Ilene T [22]
	3 ✓ Westling Michael A ✓	309	Navarro Jennifer V ✓ [10]
605	Billmann Sara J ✓ [21]	.....734-327-3672	
	.....734-222-8303	310	Mumford Victor L ✓ [2]
	Kuras Jeffrey S ✓ [27] (1906)	311	Perry Marcia M [4]
	.....734-222-8303	313	Zhu Zehua @ [10]
606	Hackney Johnnie R & Clyde D ✓ @	315	Hunter Barbara J ✓ [24]
	[47] (1940) .....734-761-3343	.....734-668-0065	
609	Tubbs Jennifer A ✓ [11]	.....734-761-8949	
616	Pothukuchi Kameshwari ✓ [2]	316	Johnson Bruce J II ✓ @ [3]
	Wallace Richard R ✓ [20] (1901)	402	Walker Georgia Y ✓ [2]
	.....734-998-0914	.....734-369-8104	
620	Sprovtsoff Jessica A ✓ [5]	404	Middleton Angela M ✓ [11]
	.....734-369-3147	.....734-761-4724	
622	Todd Harry E ✓ [25] (1901)	405	✓ Moore Marina R ✓
627	Moriarty Michael J ✓ @ [32] (1901)	408	Stanger John R ✓ [14]
	.....734-994-3656	410	Gibson Deborah A ✓ @ [20]
	Moriarty Kathleen .....734-994-3656	.....734-995-6892	
628	✓ Zick Emily A	412	Arrington Paul K ✓ [4]
630	Vanvliet Kristin M ✓ [6]	413	Hicks Rose M ✓ [5]
700	✓ Fragner Jessica ✓	.....734-222-0043	
	✓ Gronemeyer Robert M ✓ @ (1939)	413	Hicks Brita A .....734-222-0043
	.....734-222-0043	414	Hill Ricky R ✓ [4]
701	AVALON HOUSING community org ✓ @ .....734-747-7956	.....734-929-2534	
	Weldon Tamika [3]	416	Bizonet Jeremiah L ✓ [13]
	.....734-369-4371	417	West Jack J ✓ [28]
2	Clinkscale Callisia J [2]	.....734-741-8723	
3	Moon Mack II ✓ [2]	504	McClary Patricia L ✓ @ [27]
3	Moon Matthew J	505	Baldwin Dean T [11]
4	WASHTENAW AFFORDABLE HOUSING apartment finding & rental ✓ @ .....734-821-6825	510	✓ Stewart Dericca S ✓ @
5	Enr Amanda R [4]	511	✓ Littlepage Marilyn K @
6	Bowins Charlotte M ✓ [7]	512	✓ Khodadoust Aulam
.....734-239-6037		513	✓ Fogleman Anthony D
7	Cicillini Lynn M ✓ [6]	517	Bloom Carrie D ✓ [9]
.....734-761-2113		604	Olivares Joseph F ✓ @ [6]
7	Cicillini Elizabeth .....734-761-2113	605	Paschal Rodney M ✓ @ [13]
8	Humphrey Idella V ✓ [42]	.....734-929-4984	
.....734-665-0535		606	✓ Pieske James M ✓
8	Humphrey Simone R	607	Shafer Gregory G ✓ [12]
.....734-665-0535		.....734-332-0221	
10	✓ Golf Sarah L ✓	608	✓ Johnson Stephanie L @
13	Bostic Edward F Jr ✓ [3]	610	Rooks Deborah ✓ @ [4]
.....734-929-4397		610	Rooks Deverick C
15	Clemons Lisa ✓ @ [4]	611	Browder-Conne Crystal R ✓ @ [11]
15	✓ Johnson Gary ✓	612	Gulley Hathaway Jr ✓ [6]
16	Torre Jennifer A [10]	.....734-222-1848	
17	Mooney Heather A [2]	613	Duke Leslie K ✓ [16]
18	✓ Stamey Donna M ✓ @	614	Baylis Omar R [6]
19	Bradley Glenn R & Lynette B @ [2]	701	Black Robert L ✓ [9]
22	Martin Sarah D @ [11]	702	Green Berda M ✓ @ [11]
706	Alsadeqi Faega [2]	703	Manney Joseph M ✓ [26]
707	1 ✓ Samra Emily ✓	.....734-769-8046	
710	2 Saathoff Graham [2]	704	Gilmore Sheila R ✓ [10]
713	Johnson Linda M ✓ @ [6]	.....734-585-5383	
.....734-239-6494		707	Edmonds Alan J ✓ [11]
	Spruill-Ande Christine R ✓ [4]	.....734-761-9899	
714	1 Lawrence Kathryn L ✓ [36]	708	Horne Bernice A ✓ [5]
	2 Guggenheim Lauren D ✓ [6]	710	McAfee Sandra J [12]
715	No Current Listing	711	✓ Karsten Brenda ✓
	<b>+ MINER ST BEGINS</b>	711	Yepiz Brenda L ✓ [6]
727	ANN ARBOR HOUSING COMMISSION government offices ✓ @ .....734-794-6720	.....734-929-5858	
	✓ Armstrong Dalonte ✓	712	Crawford Coe I ✓ [16]
	.....734-929-5883	714	✓ Ku Justin
✓ Browder Conne ✓		716	Freeman Serna ✓ [4]
Hall Andrew B ✓ [5] .....734-913-0651		716	Freeman Sharnanie
Hughley Soundra ✓ [5]		717	Donnelly Sean G ✓ [10]
.....734-239-6399		.....734-332-3473	
MILLER MANOR RESIDENT COUNCIL community org ✓		728	No Current Listing
.....734-662-7511		730	VINCENT YORK'S JAZZISTRY lecture & seminar bureaus @
Pappanastos John ✓ [4]		.....734-761-6024	
.....734-327-3748		York Vincent L & Kathleen A ✓ [34] (1920)	
Parslow Jan ✓ [6] .....734-761-5523		.....734-995-2171	
108	✓ Thomas Sandra ✓ @	734	✓ Epperson Anna M ✓
.....734-369-2766		736	McGrogan Sean W [4] (1901)
110	Gibbons Earl D @ [5]	738	Harding Helen C ✓ [4]
		743	Ellefson Brandon J @ [2]
			<b>+ GOTT ST BEGINS</b>
		801	✓ Elshaarawi Wesam ✓
		.....734-585-5013	
		6	Haight Joshua L ✓ [2]

Miller Avenue 2007

MILLER AVE Cont'd	MILLER AVE Cont'd	MILLER AVE Cont'd
417 No Current Listing	727 ANN ARBOR HOUSING	608 Harris Lula M [28]
420 KNIGHT'S MARKET grocers-retail	COMMISSION government offices	.....734-769-8016
.....734-665-6494	Douglas James [2] .....734-214-2735	608 Harris Earlie D .....734-769-8016
423 BILL MUNCY'S SVC auto rpr & serv	GREAT AMERICAN PUBLISHING	610 Marbury Patricia A [3]
.....734-994-0873	publishers- directory & guide	612 Gulley Hathaway
<b>+ SPRING ST CONTINUES</b>	.....734-913-1079	.....734-222-1848
429 Vand Cameron J [1]	Green Nicholas & Dima	615 Espinosa Julia A [7]
433 HOLMAN SURVEILLANCE SYST	.....734-929-9213	.....734-769-7253
LLC surveillance equip	Hicks Rose .....734-222-0043	616 Keyes Joseph L
.....734-998-4799	Holman Kiyah A [2] .....734-239-6011	701 Black Robert L Jr [2]
<b>+ SPRING ST INTERSECTS</b>	Hughley Soundra .....734-239-6399	.....734-255-7292
500 BIG CITY SMALL WORLD CAFE	MILLER MANOR NUTRITION SITE	702 Seyfried Edwin J [11]
bakers-retail .....734-668-7688	government offices-county	703 Manney Joseph M [21]
<b>+ CHAPIN ST ENDS</b>	.....734-994-0488	.....734-769-8046
502 Tarr Michaela	MILLER MANOR RESIDENT	704 Wanza Karen P [19]
503 A J LIGHTFOOT ADULT DAY CARE	COUNCIL community org	708 Home Bennie A [3]
day care centers- adult	.....734-662-7511	714 Hope John P
.....734-213-0566	Parslow Jan [3] .....734-761-5523	714 Hope Lena N
504 Lowe Jefferson B [24] [1]	Russell Jeanie [3] .....734-213-6732	717 Donnelly Sean G [5]
.....734-995-0082	Satterfield L	.....734-332-3473
Patterson Floydell [39]	Schumaier Richard [5]	728 Bostic Frank E Sr [20] [1]
.....734-994-0839	.....734-769-7895	.....734-994-3659
506 Tselios Harry [47] [1]	Watson Cathy [2]	730 VINCENT YORK'S JAZZISTRY
.....734-665-5082	110 Baker Margaret D & John T	lecture & seminar bureaus
506 Tselios Chris N .....734-665-5082	.....734-769-1519	.....734-761-6024
507 No Current Listing	112 Strange Martin D [26]	York Vincent L & Kathleen A [29] [1]
508 Grays Chevais D	.....734-747-6767	.....734-995-2171
Hancock Melanie D	113 Drewery Tim [5] .....734-369-6416	734 Morgan Jenna B
Meilleur Larry B [11]	113 Drewery Thomas A Jr	736 Ley Danny [1]
510 Clark Francis D [2] [1]	.....734-369-6416	Will Vanessa K
511 WEE WISDOM CHILD DEVMT	114 Hightower Shemaka S [3]	738 Brenen Tito L
CTR child care serv .....734-623-4311	.....734-794-9839	Connor Lisa R
514 Harvey Nina C	204 Satir Laura A [7]	James Jimmie
518 No Current Listing	205 Roberts Joyce L [6]	Ley Danny [1]
522 Barclay Beth S [2]	.....734-997-2106	743 Constantine David A [3]
523 Saferstein Daniel B [20] [1]	207 Faqi Isse S [3] .....734-761-2850	.....734-929-9581
525 Martinez Orlando A [16]	210 Royce Suzannah C [11]	<b>+ GOTT ST BEGINS</b>
530 HEI WA COOPERATIVE HOUSE	.....734-622-0287	<b>* ZIP CODE 48103 CAR-RT C067</b>
cooperatives .....734-669-8028	211 Askoul Dima E	801 2 Wai Kolling
Janssen Jennifer .....734-669-8028	212 Jackson Patricia E [10]	3 Quigley Thomas H [3]
Kile Gaia L [9] [1]	.....734-994-1506	.....734-913-4941
Miklethun Gaia K [10] .....734-994-4937	214 Sorokina Larisa [4]	5 Pemrick James S
Miklethun David L .....734-994-4937	.....734-994-1506	6 Harrington James M [3]
<b>+ FOUNTAIN ST CONTINUES</b>	216 Diana Mark S [6]	11 Fortin Jonathan H [4]
601 Briegel John J & Kristin H [20] [1]	302 Clark Carol L [8] .....734-995-2827	16 Reich Martin M
.....734-994-3097	302 Clark Lynn A .....734-995-2827	16 Stuckrath Scarlett
Kusnetzky Lara R [5]	304 Randle Vernard [7]	18 Durkin Sandra G [6]
.....734-827-8127	.....734-996-9243	805 Lussenden Kendrick V [7] [1]
<b>+ FOUNTAIN ST INTERSECTS</b>	305 Bidwell Douglas B [5]	806 2 Wonders Francella J [19] [1]
604 Rubin Robert [10] [1]	.....734-327-0053	3 Benjamin Matthew G [4]
2 Connallon Timothy M	306 Berry Marian S [33]	809 Lamb Robert J & Ulrike W [22] [1]
3 Thornton Kathryn A	.....734-332-1035	.....734-747-8255
Kuras Jeffrey S [22] [1]	306 Berry John A .....734-332-1035	810 Dean Judith A [13] [1]
.....734-222-8303	307 Fisher Russell R & Priscilla R [6]	Dean Portia A .....734-222-4627
606 Hackney Johnnie R & Clyde D [43] [1]	.....734-663-0702	812 Dean Judith A [18] [1]
.....734-761-3343	308 Aaron Ilene T [17]	813 Enos Vikki J [27] [1]
609 Rominski Craig L [6] [1]	.....734-761-3935	816 O'Donnell Raymond C & Barbara E
.....734-769-5707	310 Powell Edward L [15]	[27] [1] .....734-665-0549
Tubbs Jennifer A [6]	311 Parker Dorothy L [29]	819 Gustafson Jon R & Nancy B [22] [1]
616 Wallace Richard R [15] [1]	313 Zhu Zehua [5] .....734-222-4963	.....734-996-4586
.....734-998-0914	314 Hayes Gwenyth M [6]	825 Biederman John C & Charlotte I [34]
620 Athey Brett A [3]	.....734-369-6401	.....734-663-5209
622 Todd Harry E [21] [1]	314 Rumley Thomas M [7]	Smalley Barbra B [5]
627 Moriarty Michael J [27] [1]	.....734-769-6795	Smalley Elizabeth A
.....734-994-3656	315 Hunter Barbara J [19]	829 - 837 No Current Listing (3 Hses)
628 No Current Listing	.....734-668-0065	<b>+ BROOKS ST INTERSECTS</b>
630 Leitch Justin R [6]	316 Hambricht Betty A [33]	902 Wingate Lora L [1] [1]
700 Burke Aaron Z [11] [1]	.....734-761-8949	905 Riolo Ricky L & Sue [30] [1]
.....734-913-9179	316 Hambricht Melinda	.....734-769-0425
701 Cicillini Elizabeth	.....734-761-8949	907 Wilson Kevin R & Shauna R [10] [1]
.....734-926-0091	317 Brown Robert J [13]	.....734-327-0895
Mercer Lenora A [5]	.....734-332-1029	908 Sewick Amy E [3] [1]
.....734-369-4702	402 Sussell Karen M [18]	<b>+ N 7TH ST INTERSECTS</b>
WASHTEAW AFFORDABLE	403 Fisher Alma E [21]	911 Kidle Andrew J [5] [1]
HOUSING assistance	.....734-761-3791	.....734-913-8627
.....734-821-6825	403 Fisher Priscilla R .....734-761-3791	Kidle Joanna J .....734-913-8627
Wilson Cynthia .....734-369-8890	404 Jones Eddie C Jr [31]	920 MACK ELEMENTARY SCHOOL
2 Lockett Ashley L [3]	.....734-239-6420	schools .....734-994-1910
6 Bowens Charlotte M [2]	405 Donohoe Katherin L	WASHTEAW CHILDREN'S CLINIC
.....734-239-6037	407 Loxton Timothy A [3]	dentists .....734-663-7073
7 Cicillini Lynn M [3]	.....734-222-6088	<b>+ ARBORVIEW BLVD INTERSECTS</b>
8 Humphrey Idella V [30]	408 Stanger John R [9]	1001 No Current Listing
.....734-665-0535	.....734-995-6892	1003 Cardiff Patrick H [14] [1]
8 Humphrey Simone R	412 Flowers Bonita L	.....734-761-1908
.....734-665-0535	.....734-369-6337	<b>+ RED OAK RD INTERSECTS</b>
9 Borthwick Quentin E & Madeleine L	414 Dorsey John J [5]	1027 Kowitz Johanna [1]
[9]	415 Wimsatt John S II [4]	.....734-769-0982
10 Kirk Holly N [2]	.....734-769-6013	1101 Bombery Matthew F & Karen S [3]
10 Miles Rhonda L	417 West Jack J [23]	.....734-929-0629
12 Truhn Stacy M [2]	.....734-997-7486	1103 Robbins Sonya L
13 Gorsuch Dustin [3] .....734-369-8735	504 Lee James A [5] .....734-997-7486	1105 Elzinga Mark G [1]
14 Bekaert Betty L [29]	504 McClary Patricia L [22]	1107 Rackham Cleo L [43] [1]
.....734-327-9816	510 Hammond Dennis P Jr [7]	.....734-662-4908
15 Gillispie Gertrude L [31]	511 Sheikh Khurum H [22] [1]	1120 Pryca Sally J [43] [1]
.....734-327-9816	513 Bostic Thomas L [6]	.....734-662-2974
16 Torre Jennifer A [5]	.....734-222-1746	1128 1 Loewen Mary E [27] [1]
.....734-369-3122	513 Bostic Teri A .....734-222-1746	.....734-662-6429
17 Ruggles Sarah M [3]	517 Bloom Carrie D [4]	2 Ausserer Gregg A [5]
.....734-769-7044	.....734-327-0900	.....734-665-5711
18 Cochran Joseph S [2]	517 Bloom Eric B .....734-327-0900	1146 Contessa Joseph N & Kathryn L [3]
20 Kaiser Beverly A	602 Matthews Jerry [5]	.....734-327-4878
21 Adams Toiya L [7] .....734-369-4766	.....734-369-3069	1200 Pearson-Ramirez Constance E &
21 Adams Ayo .....734-369-4766	604 Olivares Joseph F [3]	Craig A [25] [1] .....734-994-9150
23 Goldston Marilyn [4]	605 Paschal Rodney M [6]	1201 Kowitz Johanna R [20] [1]
.....734-222-1484	.....734-996-0074	.....734-995-5058
706 No Current Listing	607 Shafer Gregory G	1205 Garrity William E Jr & Rene [20] [1]
707 Tataro Andrew J	.....734-332-0221	1209 Smith Leslie H [21] [1]
710 Cato Kristen S [10]		.....734-747-8759
713 No Current Listing		1210 Geddes Christine A [7] [1]
714 Lawrenceclupt James D [31]		1213 Mohr Emily M [2]
715 Bott Jessie [2] .....734-369-4569		
<b>+ MINER ST BEGINS</b>		

# Miller Avenue 2003

620 Maniex Anna M [9]	734-997-998
622 Not Verified	734-997-
627 Moriarty Michael K [20]▲	734-994-
628 Foulkes Leonard [6]	
1 Bracken Benjamin D [2]	
2 Fitzpatrick Jennifer A [2]	734-997-
3 Not Verified	
A Anderson Daniel J	
630 Hericzek Jeremy L [2]	734-623-
700 Burke Aaron Z [9]▲	
701 Griffin Tisha	734-827-
Lockyer John [6]	
Ndiaye Mamedior	734-997-9
1 Not Verified	
2 Hawk Mary L [6]	
2 Hawk Liberty A	
2A - 4 Not Verified (3 Apts)	
5 Borthwick Madeleine L & Quentin E [4]	
6 Hines Tami M [14]	734-669-0
7 Taylor Leconia C [6]	734-994-6
8 Humphrey Idella V [20]	734-827-0
8 Humphrey Simone R	734-665-0
9 - 10 Not Verified (2 Apts)	
11 Jones Tanya D	734-997-38
12 - 18 Not Verified (7 Apts)	
19 Reed Nancy S [6]	734-994-85
20 Not Verified	
21 Bevins Christina R	
22 - 23 Not Verified (2 Apts)	
706 Adams Steven A [20]▲	734-995-53
1 - 2 Not Verified (2 Apts)	
707 McCabe Jeffrey [2]▲	
1 Frisch Katherine J [6]	
2 Brinkman Donald F Jr	734-222-49
710 Cords John N	734-327-81
Matthews Chris	734-327-81
1 - 2 Not Verified (2 Apts)	
713 Curtis Dori M [7]	
1 - 2 Not Verified (2 Apts)	
714 Monger James C	734-769-704
1 Not Verified	
2 Escott Amy E	
715 Simsar Arthur H [7]	
1 - 2 Not Verified (2 Apts)	
<b>+ MINER ST BEGINS</b>	
727 ANN ARBOR HOUSING COMMISSION	
government offices	734-994-284
Laswell Shirley A [6]	734-662-521
MILLER MANOR RESIDENT COUNCIL	
business mgmt consultants	734-662-751
Schnaidt Alonzo J [7]	734-669-872
108 - 110 Not Verified (2 Apts)	
112 Strange Martin D [20]	734-747-676
113 Not Verified	
114 Bush Jeremy J [12]	734-930-094
201 Hall Theresa M [6]	734-302-749
202 Gause Odella M [14]	734-663-486
204 Satir Laura A	
205 - 208 Not Verified (4 Apts)	
209 Wylie Jacqueline C [2]	734-332-878
210 Royce Suzannah C [6]	734-622-028
211 Richter Jacob & Mary J [20]	734-668-768
212 - 215 Not Verified (4 Apts)	
216 Angers Donna L	
301 - 303 Not Verified (3 Apts)	
304 Randle Vernard [7]	734-996-9243
305 - 306 Not Verified (2 Apts)	
308 Rosenberg Derek Q	734-761-7175
309 - 312 Not Verified (4 Apts)	
313 Berry Marian S [20]	
314 Rumley Thomas M [2]	734-769-679
315 Hunter Barbara J [14]	734-668-006
316 Not Verified	
317 Brown Robert J [6]	734-332-102
401 - 402 Not Verified (2 Apts)	
403 Fisher Alma E [16]	734-761-379
403 Fisher Priscilla	734-761-379
404 - 406 Not Verified (3 Apts)	
407 Turner Vernon L [2]	734-332-067
408 - 409 Not Verified (2 Apts)	
410 Gibson Deborah A [6]	734-995-689
411 Bank Terry A	
412 Fraser James D [12]	734-930-619
413 Gipson Sara L	
414 - 504 Not Verified (7 Apts)	
505 Diana Mark S	734-332-165
506 Harris Lula M [20]	734-665-513
507 - 508 Not Verified (2 Apts)	
509 Crank William F [2]	734-623-1707
510 Not Verified	

Miller Avenue 2003

NEW

MILLER AVE Cont'd

511 Sheikh Khurum H [18] ●	734-332-0784	MU
512 - 514 Not Verified (3 Apts)		121
515 Baldwin Cathy E [19]		121
516 Stewart-Berry Marian S [16]	734-662-4015	12
517 ● Erazo Fabian C		12
517 ● Torres Julia		12
601 - 609 Not Verified (9 Apts)		+
610 Presswood Michael L [5]	734-332-3745	11
611 - 613 Not Verified (3 Apts)		+
614 Reed Carol B [20]	734-663-0141	*
615 ● Espinoza Dean	734-769-7253	1:
616 Not Verified		1
701 Visel Amy E [5]	734-327-9617	
702 Not Verified		
703 Manney Joseph M [18]	734-769-8046	
704 Wanza Karen P [14]	734-747-6575	
705 - 711 Not Verified (6 Apts)		
712 Martin Michael R [20]	734-761-9614	
713 Ruffins Jonathan R [5]	734-741-1385	
714 Not Verified		
715 Parmentier Raisa [7]		
716 Barry Jean M [17]	734-994-8927	
717 - Not Verified (2 Apts)		
730 York Vincent L & Kathleen A [20] ●	734-995-2171	
734 Perry Ronnie [5] ●		
Perry Celestine		
736 - 736 Not Verified (2 Hses)		
738 Flowers William E Jr [20] ●	734-663-5698	
Flowers Robert K	734-663-5698	
743 Zagzebski Lynn M [4]		
* GOTT ST BEGINS		
801 ● Carroll Tara	734-913-2662	
● Casas Cynthia	734-997-0716	
● Demlow K	734-995-8436	
● Kibler John C Jr	734-996-4072	
● Neal Tracy	734-996-0072	
Swift Barbara B [5]		
Wright Alfreda A [7]		
1 Not Verified		
2 Meador Angela J [6]		
3 Not Verified		
4 Stiner Ryan T [2]		
5 - 6 Not Verified (2 Apts)		
7 Campbell David L [8]	734-995-3139	
8 Eshleman Kendra J [6]	734-769-0913	
9 ● Duchon Richard A		
10 Not Verified		
11 Savage Lindsay A [5]		
12 - 17 Not Verified (5 Apts)		
18 Robinson Spenser J [10]		
805 Not Verified		
806 Shiraga Kazan [6]		
1 Mulligan Brian P [7]		
2 Wonders Francelia J [15] ●		
3 ● Lavell Sean B		
809 Lamb Robert J [17] ●	734-747-8255	
Lamb Jeff	734-747-8255	
810 Not Verified		
812 Dean Judith A [13] ●	734-668-7071	
813 Enos Vikki J [20] ●	734-665-2887	
816 O'Donnell Raymond C & Barbara E [20] ●	734-665-0549	
819 Gustafson Jon R & Nancy B [17] ●	734-996-4586	
825 Biederman John C [20] ●	734-663-5209	
* BPO		

# Miller Avenue 2000

MILLER AVE		MILLER AVE	
0	0 Cochran Norris..... 622-8072	703	Manney Joseph M [3]
0	HIBBERT'S PROFESSIONAL WALLCOVERING pnt gls wpr strs ..... 998-1209	703	Manney James D
4	0 Humphrey Idella .... 665-0535	705	Not Verified
4	0 Parker Janelle	707	Walther Evelyn L [2]+
4	2A-5 Not Verified (4 Apts)	710	Carson Monique D [2]
1	6 Hines Tami M [3]	713	Brown Linda C [3]
1	6 Hines Donald R	713	Brown Barbara
4	7 Not Verified	716	Not Verified
4	900 Price Michele D	728	Bostian Ferguson Betty
4	11 Gabany Maryann P [2]		994-3659
4	12-13 Not Verified (2 Apts)	730	York Kathleen A & Vincent [2]+
4	14 Hibbert James S & Cecelia [2]	734	Not Verified
0	15 Not Verified	734	1 Jackson Sonya E [3]
0	16 Hovatter Susan J	738	Flowers William E Jr [2]+
8	17 Cheatham Kathleen M [2]+	743	Lewis Ryan..... 213-5419
8	17 Cheatham Mary L		741-5834
8	19 Reed Nancy [2]	<b>+GOTT ST BEGINS</b>	
8	20 Not Verified	801	Beauchamp Mary..... 332-6146
8	21 Chambers Beverly A		Campbell David L. 995-3139
1	22-23 Not Verified (2 Apts)		Campbell Michael. 327-7931
1	706 Adams Steven A		Chen Chun L..... 747-6323
1	Adams Heather		Eshleman Kendra. 769-0913
1	Phillips Heather ..... 995-5378		Holben C..... 913-4919
1	2 Not Verified		Kauchak Valerie ..... 623-1082
707	1 Frisch Stefan A & Katherine		McCormick Ian D. 669-2815
710	1 Tennant Constance A [2]		Russell Michael J [2]
713	Case Emily ..... 827-2764		St Jacque Richard 997-0639
	Kearis Kedra C		1-2 Not Verified (2 Apts)
	Rudolph James B		50 Mitchell Tony D
714	Barzel Tamar ..... 996-8619		60 Quinz Miriam
	Cash Sean		7-8 Not Verified (2 Apts)
	2 Not Verified		90 Hinchliffe Pamela E
715	Hanna J E		10 Not Verified
	1 Steinmetz William T [3]		14 Estrada Zilia C. 669-4276
7	<b>+MINER ST BEGINS</b>		
727	ANN ARBOR CITY HOUSING COMMISSION housing programs ..... 994-2828		16 Not Verified
	Bush Jeremy ..... 930-0944		18 Knapp David J [2]
	Clark Douglas ..... 668-2496	805	Lopez Cotin Olga..... 213-7463
	CREATIVE CONNECTIONS sply otpnt clns ..... 662-5709		LUSSENEN KEN CONTRACTING sngl-fam hsgn cnstr ..... 995-0715
	Deardorff Amy ..... 996-3487		McAlister William L 213-7463
	Fisher Alma ..... 761-3791	806	Copenhaver Joan..... 994-6409
	Frederick P P ..... 327-4758		McDonald S
	Gibson Deborah ..... 995-6892		10 Chew Aaron V
	Haines M ..... 663-3530		2 Wonders Francella J [2]+
	Hamilton John L ..... 327-0026		2 Wonders Nancy A
	Harris Lulamae ..... 665-5130	809	Lamb Jeff ..... 747-8255
	Jackson Pat ..... 622-0017		LAMB ROBERT JEFFREY commrc'l photography
	Kellner Kirk A ..... 669-2859		810
	Knox J M ..... 669-9456		Dean P A ..... 994-5902
	Lamb Gary ..... 994-0960		812
	Laswell Shirley ..... 662-5210		Dean Judith A [2]
	Marchini Victor ..... 663-2796		813
	McCall Kelly ..... 747-9354		Enos Vicki J [2]+
	MICHIGAN FAMILY INDEPENDENCE AGENCY indiv'l family svcs ..... 663-6560		816
	Mudge C		O'Donnell Raymond C
	Mudge Katrinka A		819
	Orrin Donna ..... 662-5709		Gustafson Jon R & Nancy [2]+
	Powell Edward L ..... 665-5062		825
	Presswood Michael 332-3745		Biederman John C & Charlotte [2]+
	Randle Vernard ..... 996-9243		<b>+BROOKS ST BEGINS</b>
	Reed Carol B ..... 663-0141	829	Grashaw James ..... 668-2670
	Richter Jacob ..... 668-7680		Krul Lesley..... 827-0047
	Schnaidt Alonzo ..... 669-8726		1 Not Verified
	Schnaidt Benita ..... 665-7463		2 Pike Vikki J
	Stickel Marian S ..... 662-4015	833	Pike Shannon..... 741-8492
	Stojanowski Dimce. 994-0394		Sidell Margo A
	Strange M ..... 747-6787	837	Ginzler Ronald P [2]
	Symons Mary ..... 998-0683		EI Not Verified
	Vanwey Wayne ..... 669-8314		. ZIP CODE 48103 CAR-RT C030
	Wanza Karen ..... 747-6575		902
	Watkins Robert J. 663-9206		Babic Mary J [2]
	Wright Amelia ..... 741-0662		<b>+N 7TH ST ENDS</b>
727	Not Verified		905
	108 Not Verified		Not Verified
	110 Hamilton Marshall B		907
	110 Hamilton Albert B		Gary Janice ..... 994-6173
	201 Soden James B		908
	202 Gause Odella M [2]+		Riley Tom ..... 662-3015
	204 Birton Lawrence A [2]		Weekley Alexandria L [2]
	209 Bournes Lela B		911
	214-215 Not Verified (2 Apts)		Kreske E ..... 668-2176
	305 Evans Michael G [2]		920
	309 Not Verified		MACK ELEMENTARY SCHOOL elmtry schndry sch. 994-1949
	311 Parker Dorothy L [2]		WASHTEAW CHILD DENTAL CLINIC dentist. 663-7073
	312 Bays Carol A		<b>+MAPLE RIDGE ST ENDS</b>
	313 Not Verified		1001
	315 Hunter Barbara J [2]		Liro Christopher R [2]
	316 McGonagle Edward V [2]		1003
	402 Sussell Karen M [2]		Aguirre Avelina M [2]
	404 Not Verified		Kozora Kenneth J [2]
	407 Hale Alem K [2]		1027
	408 Stanger John R		Clot John W
	411 Not Verified		<b>+RED OAK RD BEGINS</b>
	412 Fraser James D [2]		1101
	414 Strain Lloyd A Jr		Swetnam-Burland Maria R
	505 Warren Shelia A [2]		Swetnam-Burland David
	505 Warren Edward A		1103
	506 Wilson James W [2]		Dlorenzi Peter A [2]
	508 Not Verified		1105
	510 Baker Clifford D		Mallory George L [2]+
	511 Sheikh Khurum H [2]		1107
	514 Hayes Gwenyth		Lenhart Julia A [2]
	515 Not Verified		Rackham C L ..... 662-4908
	604 Lustgarten Jay M [2]		1120
	614 Casanover Jean W		Pryce S J ..... 662-2974
	701 Visel Amy E		1128
	701 Visel Elisabeth A		Loewen Mary E [2]+
	702 Not Verified		3
			Dion Annette [2]
			1146
			COMLOCK & SAFE CO repair svcs ..... 662-7280
			Robichaud L ..... 994-0805
			1200
			Pearson Ramirez C E
			1201
			Kime Steve ..... 997-9591
			Wilson Genevieve. 997-9591
			1205
			Liedel Rene [2]+
			1209
			Smith Leslie ..... 747-8759
			1210
			Shields Dorothy H [2]+
			1213
			Philp Martin A [2]+
			Philp Susan L
			<b>+POMONA RD BEGINS</b>
			1217
			Wigley Frederick N [2]+
			<b>+WESLEY AVE ENDS</b>
			. ZIP CODE 48103 CAR-RT C040
			1305
			Labunes Georgia M [2]+
			Labunes Samuel L
			1308
			BUILDING SOLUTIONS UNLIMITED pntng paper hangng ..... 663-2179
			Goetz Brian W [2]+
			Goetz Marilyn J
			1309
			Harrah Gerald G [2]+
			1311
			Landrum Robert ..... 662-7640
			1316
			Randle Patricia L [2]
			1322
			Marquez Carmen T [2]+
			209
			Not Verified
			1328
			Thomas James J [2]+
			1334
			Parliament John B [2]+



Miller Avenue 1996

MILLER AVE Address	Zip+4	CarrRte	Phone	MILLER AVE Address	Zip+4	CarrRte	Phone
401 MAYNARD				Butler Harold R	-3367	C014	741-1127
BATTERY & AUTO ELEC	-3339	C014	662-0217	Fraser James D	-3367	C014	930-6197
417 Campbell	-3339	C014	761-7250	Gause O M	-3367	C014	663-4869
Lawrence	-3339	C014	213-2775	Ginyard Eunice	-3367	C014	662-1923
Hollis Maedean	-3339	C014	741-4472	Hahn Fannie G	-3367	C014	662-4829
Johnson Jessie	-3339	C014	741-4472	Haines M	-3367	C014	663-3530
420 KNIGHT'S MARKET	-3340	C014	665-6494	Harris Lulamae	-3367	C014	665-5130
423 BILL MUNCY'S SVC	-3339	C014	994-0873	Hemming Denise	-3367	C014	213-6715
500 BIG CITY SMALL WORLD CAFE	-3342	C014	668-7688	Holt Frederick	-3367	C014	913-0720
Peets Seth	-3342	C014	930-9477	Hunter Barbara	-3367	C014	668-0065
502 Williams Anne E	-3342	C014	996-0324	Jones Henry	-3367	C014	994-3288
504 Lowe Jeffery	-3342	C014	995-0082	Kenworthy T M	-3367	C014	769-3484
Patterson Floyd	-3342	C014	994-0839	Lee Richard	-3367	C014	663-4759
506 Tselios P	-3342	C014	665-5082	McClain Monty	-3367	C014	332-1104
507 Wadhams Laurie	-3341	C014	668-8080	McNeely H	-3367	C014	663-1682
508 MILLER HOUSE	-3342	C014	668-8484	McNeely R	-3367	C014	663-1682
510 Chen Michael A	-3342	C014	996-1554	Metz C	-3367	C014	662-1268
Wheelock Ingrid	-3342	C014	996-1554	Niver Mary J	-3367	C014	332-0963
511 Heibel Jane D	-3341	C014	213-4906	Ohare Dennis	-3367	C014	769-0458
514 Mulholland William	-3342	C014	663-5415	Overton Cecil	-3367	C014	741-8969
518 Satora J	-3342	C014	213-0586	Palmer M L	-3367	C014	663-5135
522 Bentley Stephan	-3342	C014	741-8466	Paz George L	-3367	C014	665-0044
Weise John	-3342	C014	741-8466	Perez Richard P	-3367	C014	996-3924
525 Higbee Matthew L	-3341	C014	913-1056	Phipps Raymond	-3367	C014	994-7103
Sarris T L	-3341	C014	769-0338	Porter Willie	-3367	C014	769-6976
601 Briegel John J	-3343	C014	994-3097	Potter Virgie	-3367	C014	665-6894
Briegel Kristin	-3343	C014	994-3097	Powell Edward L	-3367	C014	665-5062
Briegel Will	-3343	C014	994-0604	Pullen Donald K	-3367	C014	668-7289
Herrmanson Kristin	-3343	C014	994-3097	Reed Douglas T	-3367	C014	913-9964
Strassler Karin	-3343	C014	213-0231	Reichenecker Ernest	-3367	C014	213-2228
Subrin Julie	-3343	C014	213-0231	Richter Jacob	-3367	C014	668-7680
604 Wesolowski Gayle	-3344	C014	665-9382	Richter Mary	-3367	C014	668-7680
605 Hall George A	-3343	C014	662-9397	Roach Louis	-3367	C014	761-2890
606 Hackney Clyde D	-3344	C014	761-3343	Russell H N	-3367	C014	769-2090
607 Mercier C M	-3343	C014	663-5901	Scott M	-3367	C014	668-1744
609 Bogen Nancy	-3343	C014	995-5492	Stewartberry Marian S	-3367	C014	662-4015
616 Marsh Debora	-3344	C014	994-6383	Walker Mary	-3367	C014	662-8839
Marsh Steve	-3344	C014	994-6383	Walther Evelyn	-3367	C014	662-7049
620 Fink Matthew	-3344	C014	741-8621	Warren Edward	-3367	C014	769-5955
Skantze P A	-3344	C014	741-8621	Watkins Robert J	-3367	C014	663-9206
627 Fessler M C	-3343	C014	994-3656	Wells John W	-3367	C014	663-4899
Moriarty M	-3343	C014	994-3656	Whitfield Laverne	-3367	C014	994-7018
628 Gearhart K	-3344	C014	761-6606	Wright Amelia	-3367	C014	741-0662
Langan T M	-3344	C014	995-5456	Young Laurie	-3367	C014	741-1948
630 Roberts C M	-3344	C014	663-8058	728 Bostic Betty	-3346	C014	994-3659
701 Boothby Thomas R	-3350	C014	747-6387	730 York Kathleen	-3346	C014	995-2171
Bowman A	-3350	C014	930-6874	York Vincent	-3346	C014	995-2171
Cheatham K	-3350	C014	930-9249	734 Huff Alfred	-3346	C014	663-2986
Field Patrick	-3350	C014	994-3103	738 Flowers William E Jr	-3346	C014	663-5698
Hibbert Cecelia	-3350	C014	998-1209	743 Normand Robert F III	-3345	C014	741-5290
Hibbert James	-3350	C014	998-1209	801 Beaugrand M	-3352	C038	996-4930
Huddleston Barbara	-3350	C014	761-1353	Campbell David L	-3352	C038	995-3139
Humphrey Idella	-3350	C014	665-0535	Carroll Caitlin	-3352	C038	913-5556
Jones Lisa	-3350	C014	998-0853	Dickinson David	-3352	C038	913-5556
Mazzie Michael	-3350	C014	995-0586	Fetterly Abby M	-3352	C038	741-5987
Piechocki Raymond P	-3350	C014	663-2778	Harmony Nicole	-3352	C038	769-8556
Vanburen Ronda	-3350	C014	913-4957	Harmony Ti	-3352	C038	769-8556
706 Ferrara P	-3336	C014	761-1159	Jones Janice	-3352	C038	741-5987
707 Herzog Dagmar	-3345	C014	663-1721	Kohut David C	-3352	C038	662-7899
Mortimer Jeff	-3345	C014	662-2037	Maimon Elizabeth	-3352	C038	741-9809
Staub Michael E	-3345	C014	663-1721	Reichardt Marc	-3352	C038	995-3531
710 Litzenburger Liesel	-3336	C014	662-3578	Sansoterra Daniel	-3352	C038	994-5926
713 Elder Ann	-3345	C014	994-9136	Ueda Keiko	-3352	C038	994-5674
Schemers William	-3345	C014	996-8312	Wedding Roxann	-3352	C038	994-5129
715 Sirefman Josh	-3345	C014	741-9338	805 KEN LUSSENDEN CONTRACTING	-3347	C038	995-0715
727 ANN ARBOR HOUSING COMMISSION	-3367	C014	994-2828	809 Lamb Jeff	-3347	C038	747-8255
CREATIVE CONNECTIONS	-3367	C014	662-5709	810 Dean P A	-3348	C038	994-5902
NUTRITION PROGRAM FOR ELDERLY	-3367	C014	663-6560	812 Dean Judith	-3348	C038	668-7071
Allen J	-3367	C014	663-5301	813 Enos V J	-3347	C038	665-2887
Barry J	-3367	C014	994-8927	816 Odonnell Raymond C	-3348	C038	665-0549
Bates John	-3367	C014	662-1943	819 Gustafson Jon	-3347	C038	996-4586
Brown Robert	-3367	C014	332-1029	Gustafson Nancy	-3347	C038	996-4586
				825 Biederman John C	-3347	C038	663-5209
				829 Sternaman Jennifer	-3347	C038	665-4009
				833 Cadena Lydia	-3347	C038	994-8176
				Hudecek Andrew	-3347	C038	994-8176
				837 Balog Verna	-3347	C038	761-2301
				Ginzler Ron	-3347	C038	663-6404

## Miller Avenue

1993

401 CHRISTMAN'S MAYNARD BATTERY & AUTO ELECTRIC SHOP 662-0217	108 Barth Mary J [4] 663-8197
403-410 Vacant (2 Businesses)	110 Tessmer Dick [2] 996-9360
	112 Morton Bell & Betty [4]
	113 Brown Delmas [4]
	114 Not Verified
	201 Pitts Gilbert [4]
	202 Gause Odella [4] 663-4869
	203 Ginyard Eunice [9] 662-1923
	204 Potter Virgie [6] 665-6894
	205 Davinson Vivian [9] 761-6848
	206 Simpson Sam [4] 663-4728
	207★Phillips Raymond
	208 Irwin Ida L [7] 662-0897
	209 Porter Willie [2] 769-6976
	210 Tchou Ching Wu [9] 665-8949
	211 Richter Mary [2] 648-7680
	212 Weir Ruth [2]
	213 Mc Cue Cynthia [2]
	214★Tessmer Richd
	215 Williams Steve [4] 747-7394
	216 Mitchell Rosiena [9]
	301 Allen Annie [2]
	302 O'Hare Ruth [9] 769-0458
	303★Riley Rita
	304★Niver Mary
	305 Martin Gertrude [2]
	306 Not Verified
	307 Palmer Mary L [9] 663-5135
	308 Parker Dorothy [4]
	309 Lewis Helen [9]
	310 Not Verified
	311 Box Joe E [4] 995-3795
	312 Bamboles Ruby [6] 996-1538
	313 Jennings Jas [4]
	314 German Eddie [9]
	315★Mayotte Barbara 668-0065
	316★Mc Gonagle Edw
	317 Pamel Bessie [9] 668-2459
	401 Lathrop Lillian [9]
	402★Sussell Karen
	403 Mitchell Robt [2]
	404 Bell Betty J [7] 665-6813
	405 Munson Howard [2]
	406★Anderson Willis A
	407 Kenworthy Theresa M [2] 769-3484
	408 Brown Barbara [2]
	409★Sukovich John 996-0698
	410 Kreager Rena [2] 747-6657
	411★Gonzalez Edw
	412 Fraser Jas D [2] 930-6197
	413 Reichenecker Ernest [6]
	414★Bates John C
	415 Stanton Frank [2]
	416 Butler Harold [2] 741-1127
	417 Hahn Fannie G [9] 662-4829
	501 Adrian Maggie [9] 995-2713
	502 Hunter Robt [2]
	503 Pennel Autry [2]
	504★Seyfried Edwin
	505★Warren Edw
	506 Jackson Jas L [2]
	507 Leggett Robt J [6] 665-7400
	508 Heugel W Neal [4] 930-1989
	509★Churchill Colene
	510★Whitfield Clayton H
	511 Rush Sue [2] 663-5722
	512 Russell Hattie N [4] 769-2090
	513 Sleet Chas R [4] 668-0162
	514 Holt Fredrick [6]
	515 Rowry Bertha [2]
	516 Berry Marian [4]
	517 Harvey Alvin [2]
	601 Mc Daniel Lee [2]
	602 Wright Amelia [2]
	603★Hampton Claude
	604 Baas Irene [9] 994-5448
	605★Morgan Donald
	606★Schneider Lloyd
	607 Jones Henry [2] 994-3288
	608 Pullen Donald K [7] 668-7289
	609 Haines Margaret [2] 663-3530
	610 Chung Cath [2]
	611 Mc Cabe Ferne [9] 663-6080
	612 Lee Richd G [2]
	613 Trice Jas [2]
	614 Nielsen Carl [6] 769-7459
	615 Barry Marka [6] 769-2629
	616 Carlson Lois [4] 668-7274
	617 Metz Carol [8] 662-1268
	701 Reed Chas V [9] 761-4471
	702 Coger Dorothy [2]
	703★Betsey Margt
	704 Scott Ethel M [9] 668-1744
	705 Kirk Virginia [9]
	706★Mc Neely Hilda
	707 Walther Evelyn [6]
	708 Watkins Robt J [4] 663-9206

## STREET CONTINUED

706 Ferrara Patricia [4] 761-1159

Ferrara Andrea M 761-1159

1★Hobbs Blair 995-9728

1 Kreger S 995-9728

710 STUDDT HOUSING

713 Elder Anne [2] 994-9136

Bressett-Mills Jack &amp; Barb

994-9136

714 Mason Wesley [9] 663-1663

• MINER BEGINS

715★Moore Debra

2★Donigan Alison A

727 MILLER MANOR APTS 994-2828

## Miller Avenue

1993

**MILLER AV-Contd**

- 710 Fegeur Freida [8] 663-3788  
 711 Roach Lewis [6] 761-2890  
 712★Orrin Donna  
 713★Bedolla Pano  
 714 Walsh Arlene [4]  
 715 Paz Olga [2] 665-0044  
 716 Barry Jean [4] 994-8927  
 717 Walker Mary M [2] 761-9180  
 ★Harris Culamae 665-5130  
 Harris Earl 665-5130  
 728 Bostic Edw F & Betty L [9] † © 994-3659  
 730 York Vincent L & Kathleen A [9] † ©  
 995-2171  
 York Kathleen A 995-2171  
 734 Huff Freida [7] 663-2986  
 Payne Evelyn [2] 663-6302  
 736 Not Verified  
 738 Flowers Wm E Jr [9] † © 663-5698  
 743 Mac Kay Greg L & Karen E [2] 665-2790  
 • GOTT BEGINS  
 801 WEST SIDE APTS 971-8873  
 1 Crall S [2]  
 2★Sacks H  
 3★Dickens B  
 4★Anderson J  
 5★Hagen T  
 6★Quinzy M  
 7★Ruby L  
 8★Grantham S  
 9★Norvell S  
 10★Afiano J  
 11 Woods Chuck [2] 677-8918  
 12★St Jacques R  
 14 Sansoterra Danl P [2] 665-5491  
 15★Ryan Scott & Lark 665-4009  
 15 Ryan Lark 665-4009  
 16★Marles E  
 17★Ochala Richd  
 18★Roberts Gary  
 805★Lussenden Ken  
 1★Williams Francelia  
 1 Maddox Colby  
 1 Heirich Deborah  
 809 Lamb R Jeffrey & Ulrike W [2] ©  
 747-8255  
 810 Not Verified  
 812★Rolla Elizabeth 668-4674  
 813★Enos V 665-2887  
 816 O'Donnell Raymond C & Barbara E [9] †  
 © 665-0549  
 819 Gustasson John G & Nancy B [5] ©  
 820 Vacant  
 825 Biederman John C & Charlotte I [9] † ©  
 663-5209  
 829 Richards Jill [2]  
 833 Ritchey Jas L & Joan A [2] 668-6130  
 837★Yates Chas  
 • BROOKS BEGINS  
 902 Marke Wm D [4] ©

## Miller Avenue

1988

134

## MILLER AV-Contd

11 Stegler R P  
 12 Vacant  
 13 Golding Antoinette  
 14 Marsh Kay E  
 15★Mooney J  
 16 Vacant  
 17 Behr Joe  
 18★Heartney Ed  
 19 Vacant  
 20 Culpepper Diane E 996-9376  
 21★Wilding Kenneth D  
 22 Brown A M 747-9148  
 23 Mc Garvey  
**STREET CONTINUED**  
 706 Grygiel Mary K Mrs @ 668-7546  
 Leonard Jane 662-7103  
 707★Rizk M 996-0274  
 710 Gilley Georgia 995-2431  
 713★Gold Leah  
 714 Mason Wesley @ 663-1663  
**MINER BEGINS**  
 715 Berels C 769-2856  
 Neynaber Roland 995-8716  
 727 Miller Manor Apts 994-2828  
 108 Shackett Jos 663-8197  
 110 Allen Annie 663-5301  
 112 Tousey Helen M 665-7914  
 113 Newell Laura 761-1672  
 114 Kieszewski Clara  
 201 Vacant  
 202 Solomon Geneva 761-5561  
 203 Ginyard Eunice 662-1923  
 204 Potter Virgie 665-6894  
 205 Davinson Vivian 761-6848  
 206 Spaulding Cora  
 207 Meyers Henry  
 208 Irwin Ida 662-0897  
 209 Jones Hattie 761-7326  
 210 Tchou Ching Wu 665-8949  
 211 Richter Jacob 668-7680  
 212 No Return  
 213 Marsh James  
 214 Garcia Petro 663-0187  
 215 No Return  
 216 Mitchell Rosiena 663-1449  
 301 Martin Gertrude  
 302 O'Hare Ruth Mrs 769-0458  
 303 Poland Louis L 769-6261  
 304 Wilson Maud 663-5910  
 305 Wingertzahn Eug 663-4608  
 306 Perry Beatrice L 665-6513  
 307 Palmer Mary L 663-5135  
 308★Winston Maude  
 309 Lewis Helen  
 310 Townsend Edith 994-3143  
 311 Parks Annette  
 312 Bamboles Ruby 996-1538  
 313 Dozier Lula 665-8158  
 314 German Eddie  
 315 Carver Lucy M 668-7207  
 316 Ross Bishop 662-5772  
 317 Pamel Bessie 668-2459  
 401 Lathrop Lillian  
 402 Ayers Minnie 761-1035  
 403 Cooper Langston  
 404 Bell Carolyn  
 405 Vacant  
 406 Freeman Joscelyn 665-7308  
 407 Larson Charles  
 408 Longaria Alex  
 409 Payne John 996-0698  
 410 Martin E Holly 665-6675  
 411 Merritt Vernon 994-5118  
 412 Tessmer Dick 996-9360  
 413 Reichenecker Ernest  
 414 Watts Lorena 663-3046  
 415★Ford Donna M  
 416 Phillips Irene 769-2273  
 417 Hahn Fannie G 662-4829  
 501 Adrian Maggie 995-2713  
 502 No Return  
 503 Nettles Daisy 761-8615  
 504★Simpson Irene J  
 505 Alexander John  
 506 Eady Ethal 761-8684  
 507 Leggett Robt J 665-7400  
 508 Walker Ruth  
 509 Vacant  
 510 Jett Georgia A 663-9879  
 511 Bond Calvin 662-2836  
 512 Gindvilla Maria 994-4044  
 513 Davis Ruby 769-4880  
 514 Holt Fredrick  
 515 Porter Willie  
 516★Burr Susan  
 517 Skoviak Stanley 761-8885  
 601 Randall Ruth M 662-4063  
 602 Tucker Clara 668-8263  
 603 Bush Catherine 663-6181  
 604 Baas Irene 994-5448  
 605 Holmes Maereatha 662-4529  
 606 Miller Russel 761-9307  
 607 Hines Charles  
 608 Pullen Donald K 668-7289  
 609 Haines Margt 663-3530  
 610 Balhoff Beatrice A 662-3743  
 611 Mc Cabe Ferne 663-6080  
 612 Haywood Annie 769-0590  
 613 Crowley Loretta  
 614 Nielsen Carl  
 615 Barry Marka 769-2629  
 616 Walter Margt 668-1372  
 617 Metz Carol 662-1268  
 701 Reed Chas V 663-2522  
 702 Norton Ernest G 663-4697  
 703★Betsey Margt 995-5777  
 704 Scott Ethel M 668-1744  
 705 Kirk Virginia  
 706 Anderson Chas  
 707 Walther Lewis  
 708 Vacant  
 710 Fegeur Freida 663-3788  
 711 Roach Lewis  
 712 Birch Leon  
 713 Stoll Lillian  
 714 Lewis Pearl  
 715 Paz Geo L 665-0044  
 716 Berry Jean  
 717 Walker Mary L Mrs 662-8839  
 728 Bostic Betty L Mrs @ 994-3659  
 730 York Vincent @ 995-2171  
 734 Huff Freida 663-2986  
 Pencille Shirley A 663-4886  
 736 Stehle Lorraine M @  
 738 Flowers Wm E Jr @ 663-5698  
 743★Hafner Yates 761-7346  
**GOTT BEGINS**  
 801 West Side Apts 971-8873  
 1★Crall Stephen 662-0356  
 2 Messamore Thos A 662-7846  
 3 Vacant  
 4★Anderson J  
 5★Marken-Jones Karen 668-1474  
 6★Deaunee A  
 7★Moran Marilyn 769-3685  
 8★Baver Neal  
 9★Danto Lisa 769-9546  
 10★Ariang Joann  
 11★Curran E  
 12★Hardy Stephen M 994-1149  
 14 Miller Amy L  
 15 Wallace David C 665-4009  
 16★Clare T  
 17 Huffer Lynne R 863-2685  
 18 Serafino Frank J 663-5084  
 805★Takeda Shareti @ 761-7282  
 806★Dawdy C  
 ★Logan Patricia D  
 809 No Return  
 810 Hanson Regina  
 812★Houle Wm A 662-7645  
 813★Lovell Gary M @ 995-0082  
 816 O'Donnell Raymond @ 665-0549  
 819★Gustafson Jon R @ 996-4586  
 820 Vacant  
 825 Biederman John C @ 663-5209  
 829★Asciutto Anthony  
 833 Stuckey Pam  
 Wakabayashi Mark

## Miller Avenue 1984

7 Beach Wm 662-0594	
8 Humphrey Idella 665-0535	
9 High Robt 662-7086	
10 Vacant	
11 Jackson June 996-4477	
12 James Catherine	
13★Payne Johnny	
14 Low Erika	
15★Krause Mark	
16★Roberts Geo 662-0812	
17 Gennis Sharon A 662-5184	
18 Nelson D M	
19 Klose Robt R	
20 No Return	
21 Moore Charles 761-1292	
22 Herman Brenda W 995-9857	
23★Graves Beth A 665-1481	
<b>STREET CONTINUED</b>	
706 Grygiel Mary K Mrs © 668-7546	
★Kinzinger John F 994-0444	
707★Behringer Harvey	
710★Herndon Diana L 995-1465	
713★Curtis Bruce 994-9136	
714 Mason Wesley © 663-1663	
<b>MINER BEGINS</b>	
715 No Return	
727 Miller Manor Apts 994-2828	
108 Shackett Jos 663-8197	
110 Allen Jessie 663-5301	
112 Bucholz Margt 665-7914	
113 Hittlebaugh Kenneth C 769-7039	
114 Kieleszewski Clara	
201 Pitts Gilbert	
202 Solomon Geneva 761-5561	
203 Ginyard Eunice 662-1923	
204 Turner Lois 761-2197	
205 Davinson Vivian 761-6848	
206★Spaulding Cora	
207★White Jim	
208 Arthur Chas 662-1197	
209 Steebe Carmen 665-3326	
210 Tchou Ching Wu 665-8949	
211 Richter Jacob	
212 Weir Ruth 994-4183	
213 Mc Claine Ella M 668-0479	
214 Morrison Mildred 662-0681	
215 Davis Iva	
216 Mitchell Rosiena 663-1449	
301 Mills Judge E 663-2516	
302 O'Hare Ruth Mrs 769-0458	
303★Poland Louis	
304 Wilson Maud 663-5910	
305 Wingertzahn Eug 663-4608	
306 Perry Beatrice	
307 Palmer Mary L 663-5135	
308 Newell Laura 761-1672	
309 Lewis Helen	
310 Townsend Edith	
311 Burkett Carrie L 769-3432	
312 Daly Anna	
313 Dozier Lula 665-8158	
314 German Eddie	
315 Carver Lucy M 668-7207	
316 Ross Bishop 662-5772	
317 Pamel Bessie 668-2459	
401 Lathrop Lillian	
402★Ayers Minnie	
403 Cooper Langston	
404 Rau Gladys F 663-0715	
405★Mieczkowski John	
406 Freeman Joscelyn 665-7308	
407 Grossman Roseanne 769-4386	
408★Harris James	
409 Payne John 996-0698	
410 Holly Martin 665-6675	
411 Merritt Vernon	
412★Tessmer Dick	
413 Monroe Eula 665-9695	
414 Watts Lorena 663-3046	
415 Weir Mary 665-8986	
416 Phillips Irene 769-2273	
417 Hahn Fannie G 662-4829	
501 Adrian Maggie 995-2713	
502 Warrum Etta 663-2081	
503 Nettles Daisy 761-8615	

## Miller Avenue 1984

MILLER AV—Contd

504 Pride J 994-3830  
 505 Morris Gladys R  
 506★Johnson Ollie  
 507 Petty Priscilla 973-0801  
 508 Liddell Susan W 665-2705  
 509 Ross Betty 662-5772  
 510 Johnson Myrtle 663-7852  
 511 Theros Alice 662-2743  
 512 Hocking Helen 761-3588  
 513★Davis Willie  
 514 Claiborne Ella M 769-5694  
 515★Sitarenios John A 769-0418  
 516 Potter Virgie 665-6894  
 517 Strauch Wm 665-4579  
 601 Randall Ruth M 662-4063  
 602 Mc Kenzie June L 668-7139  
 603 Bush Catherine 663-6181  
 604 Baas Irene 994-5448  
 605 Holmes Maereatha  
 606 Miller Russell  
 607★Hines Charles  
 608 Miller Stella B 761-3974  
 609 Haines Margt 663-3530  
 610 Balhoff Beatrice 662-3743  
 611 Mc Cabe Ferne 663-6080  
 612 Haywood Annie 769-0590  
 613 Rogers Klara  
 614 Steere Edw N 662-7201  
 615 Steere Lilly 662-7201  
 616★Walters Margt  
 617★Metz Carol  
 701 Reed Chas 663-2522  
 702 Haase Eliz 769-3313  
 703 Betsy Margt  
 704 Scott Ethel  
 705 Kirk Virginia  
 706 Anderson Chas  
 707★Walters Lewis  
 708★Watkins R J  
 710★Fegeur Virginia 663-3788  
 711 Mc Andrew Ruth 996-8744  
 712 Anderson Martha  
 713 Frazier Jas  
 714 Martin Gertrude  
 715 Paz Geo L 665-0044  
 716 Benko Doris 994-5668  
 717 Walker Mary Mrs 662-8839  
 728 Bostic Edw F © 994-3659  
 730 York Vincent © 995-2171  
 734 Huf Freida 663-2986  
 736 Stehle Lorraine M 665-8164  
 738 Flowers Wm E Jr © 663-5698  
 743 Student House  
 GOTT BEGINS  
 801 Arbor Park Apts 663-4101  
 1 Swift Gary 668-2488  
 2★Messamore Thos A 662-7846  
 3 Vaughan Andra  
 4 No Return  
 5 Humphrey Ronald H 996-2681  
 6★Simpson Larry 995-1305  
 7★Hoffman Joann  
 8★Larry Peter  
 9★Hughes Lori  
 10 Collins Douglas 663-1263  
 11 Beall Bret S 663-9466  
 12 No Return  
 14 Steinmetz Danl 662-9217  
 15★Wallace David C 665-9726  
 16★Dorotinsky Bill L 761-1849  
 17 Sweeny Harold  
 18 Mc Neely Michl J 665-8047  
 805 Takeda Harlnori © 662-3819  
 806 Lynch David J 996-1353  
 Wonders Gerald 996-3948  
 809 Goetze Lawrence A © 663-5872  
 810★Wilkins Randall 761-1698  
 812 Leland Chas B 761-8049  
 813 Alexander Fran  
 Funkhouser Brant 994-3515  
 816 O'Donnell Raymond © 665-0549  
 819 Hoelzer Helen Mrs © 662-4246  
 Parsa Cathy R  
 820 Vacant

## Miller Avenue 1979

	23★Chalfant Duane 996-4245
	<b>STREET CONTINUED</b>
	706 Grygiel Mary K Mrs © NO8-7546
	707 Gunnels Lee © 663-7460
	710★Tselios Will 761-4636
	713★Vogel L 663-3672
	714 Mason Wesley © 663-1663
	<b>MINER BEGINS</b>
	715★Terwilliger J S 665-3513
	727 Miller Manor Apts 994-2828
	108 Sheldon Leonard 665-6109
	110 Jessye Eva Mrs 663-2274
	112 Bucholz Margt
	113 Harris Rose 761-1385
	114 Kelly Clara 663-6663
	201 Pitts Gilbert
	202 Solomon Geneva 761-5561
	203 Thompson Tillie
	204 Turner Lois 761-2197
	205 Davinson Vivian 761-6848
	206 Bunch Herschel
	207 No Return
	208 Johnson Bernice B 663-9294
	209 Steeb Carmon 665-9025
7	210 Tchou Ching Wu 665-8949
	211 Bertsoes Bessie 662-0828
	212 Weir Ruth 662-0382
	213★Keling Elise
	214 Ginyard Eunice 662-1923
	215 Pallas James 761-6624
	216 Mitchell Rosiena 663-1449
	301 Mills Judge 663-2516
	302 O'Hare Ruth Mrs 769-0458
	303 Furman Sarah 769-0974
	304 Wilson Maud 663-5910
	305 Wingertzahn Eug 663-4608
	306 Zumbrogel Gladys 662-0844
	307 Bates Gladys 665-8594
	308 Newell Laura 761-1672
	309 Lewis Helen
	310 Langedlas Anthony C 662-3628
	311 Burkett Carrie L
	312 Ling M M 668-6818
	313 Dozier Lula 665-8158
	314 Vas Eliz
	315 Carver Lucy M 668-7207
	316 Ross Bishop 662-5772
	317 Lance Helen 662-7163
	401 Betts Nova 663-0780
	402 Marsh Vena 761-3085
	403 Cooper Langton
	404 Rau Gladys F 663-0715
	405 Rideout Clara B 663-7941
	406 Freeman Joscelyn 665-7308
	407 Grossman Roseanne 769-4386
	408 Berry Timothy 663-1844
	409 Tricoche Rosario Mrs
	410★Holly Martin
A	411 Phillips Lula B 994-0579
	412 Gibson Thos
	413 Monroe Eula 665-9695
	414 Watts Lorena 663-3046
	415 Weir Mary 665-8986
	416 Phillips Irene 662-4063

## Miller Avenue

1979

## MILLER AV—Contd

417 Hahn Fannie G 662-4829  
 501 Ladd Elsie 663-6008  
 502 Warrum Etta 663-2081  
 503 Nettles Daisy 761-8615  
 504 Pride J  
 505 Collins Agnes 662-8465  
 506 Bennett Della  
 507 Beckner Bertha H 662-5965  
 508 Liddell Susan W 665-2705  
 509 Huddy Agnes 763-6871  
 510★Johnson Myrtle  
 511 Figg Estella 665-6483  
 512 Hockings Helen 761-3588  
 513 Sitarenios John A 769-0418  
 514 Claiborne Ella M 769-5694  
 515 Easley John B 761-6277  
 516 Nesbitt Merle 662-8251  
 517 Milne Mable E 662-2014  
 601 Randall Ruth M 662-4063  
 602 Mc Kenzie June L 668-7139  
 603 Bush Cath 663-6181  
 604 Owens Alice  
 605 Coon Bessie 662-9357  
 606 Henry Bernadine  
 607★Mc Cabe Ferne 663-6080  
 608 Miller Stella B 761-3974  
 609 Heselschwerdt Margt 663-0862  
 610 Reed Charles V 665-6528  
 611 No Return  
 612 Haywood Annie 769-0590  
 613 Walker Mettie 761-0030  
 614 Steere Edw N  
 615 Steere Lilly 662-7201  
 616 Kammann Ida 665-5710  
 617 Simpson Pearl  
 701 Berg Walter  
 702 Haase Eliz 769-3313  
 703 Hollingsworth Marj 995-9835  
 704 Scott E  
 705 Mc Conahy Bernadine S 761-3715  
 706 Ulits Sophie 662-9137  
 707 Siegel L S 662-0781  
 708 Howe Charles 663-3177  
 710 Feguer Frieda B 663-3788  
 711 Schmidt Yvonne 761-4177  
 712 Looby Thos C 761-7773  
 713 Armstrong Russell B 761-6140  
 714 Martin Gertrude  
 715 Owens Riley 665-4202  
 716 Benko Dorris 994-5668  
 717 Walker Mary Mrs 662-8839  
 728 Bostic Edw F © 994-3659  
 730 Davis Cecil C © NO2-3319  
 734 Corey Victor 769-5756  
 ★Valentine Janet A 769-0867  
 736★Stehle L M Mrs 665-8164  
 Vacant  
 738 Flowers Wm E Jr © NO3-5698  
 743★Cristobal Richd © 663-9330  
 GOTT BEGINS  
 801 Arbor Park Apts 663-4101  
 1★Sloift Gary 668-2488  
 2★Hansen Wm 994-0442  
 3★Peacock Michl 663-3425  
 4 Armstead Eddie 994-3134  
 5★Gardner J 668-6515  
 6★Gaitskill Jane 663-3308  
 7★Hewitt Douglas  
 8★Milles Keith 994-9240  
 9★Lancaster Richd 995-2911  
 10★Deeley M K 995-1430  
 11★Muilenberg Michl L 995-2625  
 12★Rahaney Susan 668-6505  
 14 Steinmetz Danl 662-9217  
 15★Diemer Larry 996-0396  
 16★Darlington Barbara 795-4876



## Miller Avenue

1974

**MILLER AV—Contd**

ss West Park

616 Van Valkenburg Richd

Thomas Leon 769-2949

620 Esslinger Clara A Mrs © NO2-2943

622★Goldenthal Robt H 761-5302

627 Gibson Ray E © 665-3230

628 Parsons Wm

630★Bryckcoats James F

701 West Park Apts

1★Schimmelman Kay 665-9644

2 Scott John

3 Vacant

4 Nickle Norman 663-9434

5★Scarbro Carl 662-9823

6★Baron John 769-6672

7★Jonash David R 665-7577

8 Humphrey Eug L 665-0535

9 Spears Ronald

10★Ash Donna 763-6384

11★Kay Rosene 763-6384

12★Snowdon Suzanne C 662-0833

13★Peterson James R 668-7277

14 No Return

15 Vacant

16★Box Charles E 761-1856

17 Vacant

18★Larva Bruce 769-6672

19★Cantrell Mark 761-4372

20★Hillier Drob 761-3308

21★Elston James 761-5949

22★Olin Michl 665-3248

23★Schwartz Larry 761-1367

**STREET CONTINUED**

706 Grygiel Mary K Mrs © NO8-7546

707 Gunnels Lee 663-7460

710★Frommer Alan G

713★Perrotta Kevin F 665-0775

714 Mason Wesley © NO8-9052

**MINER BEGINS**

715★Lukasavitz Ray A 761-0721

717 Schneider Henry © NO8-6784

Webber Margt Mrs 663-9089

724 Vacant

727 Miller Manor Apts 769-0303

108 Swets Paul W 769-0307

110 Jessye Eva Mrs

112 Bucholz Margt

113 Martin Gertrude

114 Kieliszewski Clara

201 Pitts Gilbert

202★James Florence

203 Thompson Tillie

204 Turner Lois

205 Davidson Vivian

206★Conrad Euphemia

207 Gay Ernestine

208 Johnson Bernice

209 Steib Carmon

210 Wood Antoinette

211 Bertson Bessie

212★Weir Ruth 662-0382

213★Klueter Kath

214 Ginyard Eunice

215 Pallas James

216★Mitchell Rosieha

301 Mills Judge

302 O'Hare Dennis

304 Furman Sarah

305★Wingertzahn Eug

306 Zumbrogel Gladys

307 Bates Gladys

308 Hendrix Wilbur

309 Armstrong Louise

310 Newson Laura

311 Burkett Clara

312★Stegel Lillian

313 Dozier Eula

314 Vas Eliz

315 Carver Lucy M

316★Ross Bishop

317★Walker Ophelia

401★Betts Nova

402★Cravens Carrie

403★Cooper Langton

404 Bauer Mary

405 Pullock Polly

406★Freeman Joscelyn

407 Burrell Ida

408★Berry Timothy

409★Tricoche Razaia

410★Hammond Capitola

411 Ho Leon B Rev

412 Gibson Thos

413 Monroe Eula

414 Watts Lorena

415★Weir Mary

416 Phillips Irene

417 Perry Beatrice

501 Sistrunk Katie

502★Kurtz Sena

503 Nettles Daisy

504 Pride John

505 Hedetniemi Wm

506 Bennett Della

507 Beckner Bertha

508 Liddell Susan

509 Huddy Mary

510★Smith Nova

511 Figg Estelle

512 Hocking Helen

513 Purfield Jane

514 Tish Rose

515 Easley John B

516 Nesbitt Merle

517 Milne Mable

601 Randall Ruth

602★Mack Lula

603 Bush Cath

604 Solomon Geneva

605 Ulnits Sophie

606 Cleary Alice

607★Heselschwerdt Majorie

608 Miller Stella

609★Wallace Uzziah

610 Reed Charles

611 Appleton Jane

612 Haywood Annie

## Miller Avenue

1974

**MILLER AV—Contd**

613★Hesel Christine  
 614 Steire Edw N  
 615★Steere Lilly Mrs  
 616★Kammann Ida  
 617 Simpson Pearl  
 701 Berg Walter  
 702 Haase Eliz  
 703 Black Vera  
 704 Wesenberg Alma  
 705 Mc Conahy Bernadine S  
 706★Hardcastle Irene 662-3030  
 707 Markey Anna M  
 708 Howe Charles  
 710 Sundbeck Betty J  
 711 Schmidt Yvonne  
 712 Looby Thos  
 713★Armstrong Russell B Jr  
 714 Logan A J  
 715 Owens Riley  
 716 Leinonen Eliz  
 717 Walker Mary  
 728 Bostic Frank E ©  
 730 Davis Cecil C © NO2-3319  
 734 Klein Lawrence R 663-0838  
 736 Vollmer Laura A 665-9529  
     Spoelman Ronald  
 737 Vacant  
 738 Flowers Wm E Jr © NO3-5698  
 743★Burke Gretchen 668-8984  
 GOTT BEGINS  
 801 Arbor Park Apts 662-7787  
     1★Lubanski J  
     2★Clyde Carol 662-0884  
     3 Sturm Thos  
     4 Paffenbarger Josephine C 761-977  
     5★Bush Carol 769-4718  
     6★Cooper Barbara 763-6430  
     7★Samp Paul F 665-7859  
     8★De Francesco Robbye 663-6879  
     9★Smith Steph W 665-3115  
     10★Scannel Joel  
     11★Fellows Paul  
     12 Vacant  
     14★Helsey Dennis M  
     15 Smith Bobby  
     16★Patrick Joann 665-9449  
     17 Hoffman Morton D  
     18★Zunz Oliver 761-1110  
 805 Behnke Wm G © 665-3446  
 806★Johnson Bill  
 809 Goetze Lawrence A © 663-5872  
 812★Lane Ronald S 761-0539  
 813 Mannor Gary R 663-2083  
 816 Mc Namara Leo F © 665-2701  
 819 Hoelzer Alf L © 662-4246  
 820 Vacant  
 825 Biederman John C © 663-5209  
 829★Urban Dan  
 833 Taylor Lonnie ©  
     Seal Paul 665-7670  
 837 Dixon Patk A ©  
     Senne Terry  
 BROOKS BEGINS

## Miller Avenue

1969

MILLER AV-CONTD  
 WEST PARK APTS-CONTD.  
 14 LACKEY JAMES A  
 15 KRIBS Z  
 16 SHARPE R A 971-3240  
 17 PONICKI JOE  
 18 LELAND SUSAN 761-9453  
 19 VACANT  
 20 FIELDING DAN  
 21 TROWBRIDGE WILLET  
 22 COREY LAWRENCE 663-7497  
 23 GOTTSMAN R  
 STREET CONTINUED  
 706 GRYGIEL MARY K MRS • NO8-7546  
 LUTZ RONALD 668-7819  
 707 YOUNG ROBT 769-4172  
 710 HOFFMAN GWENDOLYN 761-4920  
 713 BAXTER ROBT 769-3287  
 714 MASON WESLEY • NO8-9052  
 ---MINER BEGINS  
 715 KUHN RICH D A • NO3-2984  
 717 SCHNEIDER HENRY • NO8-6784  
 WEBBER MARGT MRS 663-9089  
 724 MILES JESSE  
 727 VACANT  
 REAR BURROUGHS EARL 761-2537  
 728 BOSTIC FRANK E • NO5-6619  
 730 DAVIS CECIL C • NO2-3319  
 734 JACKSON GEO W • NO2-1632  
 736 CRUMB CHARLES D  
 VACANT  
 737 UPATNIEKS OJARS 665-4551  
 738 FLOWERS WM E JR • NO3-5698  
 743 WEBSTER LEANER MRS 663-9069  
 ---GOTT BEGINS  
 801 ARBOR PARK APTS 662-7787  
 1 SAVAGE VIRGINIA  
 2 MULLINGS RYLAND 665-6074  
 3 NO RETURN  
 4 MARTIN JOSEPHINE  
 5 STILWELL RUTH 769-5445  
 6 STEWART EDW  
 7 FARRAR SANDRA  
 8 MARCHESI ANTHONY G 662-6181  
 9 VACANT  
 10 CONRAD GARRIE MRS  
 11 BABIAK ZELAGID 761-7744  
 12 HAYWOOD GREGORY T 769-5426  
 14 MARCHESI THEO 662-6181  
 15 SMITH BOBBY  
 16 BREWER ROSS 769-5524  
 17 PRANTNER KARL  
 18 CHESTER GORDON  
 805 BEHNKE WM G • 665-3446  
 806 EZELL EVAN T 665-4720  
 GIBBS W TOMMY 665-4096  
 809 GOETZE LAWRENCE A • 663-5872  
 812 DRAKE ALLEN R • 761-0574  
 813 BUSH MICHL E 761-8254  
 816 MC NAMARA LEO F • 665-2701

## Miller Avenue

1964

## MILLER AV—Contd

701 Haines Pearl G Mrs © NO8-8117

Lonsberry Jas F

706 Grygiel Mary K Mrs © NO8-7546

707 Ladish Thos P NO5-0284

Yurko Andrew W NO5-9830

710 Schneider Albert T NO3-4839

713 Haas Amanda Mrs © NO8-6136

Trece Alma NO8-6136

714 Mason Wesley © NO8-9052

**Miner begins**

715 Kuhn Richd A © NO3-2984

717 Schneider Henry © NO8-6784

Armbruster Nellie 668-8466

724 Roger Ruth Mrs

Dameron Walter

727 Werk Wm T © NO2-2358

Dow Edw R NO3-2106

Littlejohn Gertrude L Mrs

663-6442

728 Bostic Frank E © NO5-6619

730 Davis Cecil C © NO2-3319

734 Jackson Geo W © NO2-1632

736 Nelson Bruce A NO5-0900

Cuervo Irlando A NO5-0734

737 Cooper Eunice I Mrs NO3-5584

Noyes Dorothy E ©

738 Flowers Wm E © NO3-5698

743 Schenk Philip L Rev © NO2-1832

**Gott begins****801 Arbor Park Apartments****Apartments:**

1 McCullough John 663-7023

2 Bryant W Michl

3 Dybdahl Franklin E 665-2647

4 Conykeare Bruce 665-3812

5 Fairchild Richd L 663-1709

6 Grimes Richd M 662-6657

7 Pittman Spencer

8 Black Jas R jr 662-4896

9 Collins Jack R NO2-2964

10 Burgett Richd R 665-6679

11 Domke Albert E 662-4008

12 Polevoy Leonid S 665-2116

14 No return

15 Thomas Wm C NO3-5742

16 Sailstad Chas A 665-3925

18 Maier Harold G 668-6362

**Street continued**

805 Behnke Wm G © 665-3446

806 Whitfield Ruth E Mrs NO3-6689

Horton Lary D NO5-4560

809 Goetz Lawrence A © NO3-5872

812 Drake Allen R © 665-0762

## Miller Avenue 1960

- 622 Barron Roy ΔNO2-2481  
 627 Wright Ernest H © ΔNO2-4360  
 628 Dorsey Frank D © ΔNO3-8264  
 630 Shetterly Lillian M Mrs ©  
 ΔNO2-1957  
 701 Haines Pearl Mrs © ΔNO8-8117  
 Tolen Osben D jr ΔNO2-7004  
 706 Grygiel Mary K Mrs ©  
 ΔNO8-7546  
 707 Vacant  
 710 Mohr David  
 713 Haas Amanda Mrs © ΔNO8-6137  
 714 Mason Wesley © ΔNO8-9052  
**Miner begins**  
 715 Kuhn Richd A © ΔNO3-2984  
 717 Schneider Henry © ΔNO8-6784  
 Botchen Gregory ΔNO5-7129  
 724 Harris Bros mason contrs  
 ΔNO2-9361  
 Harris Bertrum © ΔNO2-9361  
 727 Werk Wm T © ΔNO2-2358  
 Dow Edw R © ΔNO3-1206  
 Jahnke A Jas ΔNO2-6102  
 728 Bostic Frank E © ΔNO3-8284  
 730 Krueger Erwin F © ΔNO2-7351  
 732 No Return  
 734 No Return  
 736 No Return  
 737 Cooper Eunice I Mrs ΔNO3-5584  
 738 Flowers Wm E © ΔNO3-5698  
 743 Schenk Phillip L Rev ©  
 ΔNO2-1832  
**Gott begins**  
 801 **Parkview Apartments**  
 1 Burchard Chas W ΔNO3-6347  
 2 Brooke DeForrest ΔNO3-7275  
 3 McClammy Herbert ΔNO2-7484  
 4 Padula Chas A  
 5 Livo Robt C ΔNO3-3591

## Miller Avenue

1955

601ΔTiplady Wm J @  
 604ΔOttmar LaVerne C  
 ΔJunttonen Benj E  
 605 No Return  
 606ΔLee Ethel R Mrs  
 609ΔBurchfield Cosette  
 616ΔDwyer L Mabel Mrs  
 620ΔEsslinger Carl W @  
 622ΔBarron Roy  
 ss West Park  
 627ΔWright Ernest A  
 628ΔDorsey D Frank @  
 630ΔShetterly Lillian M  
 Mrs @  
 701ΔHaines Paul S @  
 ΔElliott Harold J  
 706ΔGrygiel Mary K Mrs  
 ΔPhillips Ormond  
 707ΔBrown Mary Mrs @  
 710ΔO'Rourke Jas D  
 Zimmerman Dale  
 ΔWarrum Eita J  
 713ΔHaas Amanda Mrs  
 714ΔFrederick Rosina  
 H Mrs @  
 ΔGerstler Theo H  
 Miner begins  
 715ΔKuhn Richd A @  
 717ΔSchneider Henry @  
 ΔKessler Melvin J  
 724ΔHale Eliz S Mrs @  
 Powell Geo  
 727ΔSchlanderer Louise  
 Mrs @  
 ΔWerk Wm T @  
 ΔDow Edw R  
 ΔJohnke Aug J  
 728ΔLau Conrad N @  
 730ΔKrueger Erwin F @  
 732 Lindemann Julius  
 W @  
 734ΔJenpersen Elmer  
 C @  
 736ΔSmith Olive A @  
 737ΔDeGrow Harold D @  
 738ΔFlowers Wm E @  
 743ΔSchenk Philip L  
 Rev @  
 Gott begins

## Miller Avenue

1949

## Telephone 0114

**MILLER AV — From 300 N Main west and northwest beyond Warren**

1010AAA Seaweather Co storm windows  
 1070Ann Arbor Mfrs Supply Co  
 1090Hoaglin Edw T @  
 Hoaglin Mason H  
 1110Hoaglin Pio Shop  
 114 Price Chas A. @  
 1150Love Monty  
 1160Hertler Herman D @  
 1180Rosentrater Henry F  
 1210Beahan Frances J Mrs @  
 N Ashley intersects  
 2020Brewer's Gulf Service filling sta  
 2060Hanselman Geo C @  
 2070Pennycook Louise C  
 2080Houghner Harley F  
 Gould Maurice  
 Prochnow Violet @  
 210 Dean Della Mrs  
 Visei Clarence A  
 2120Bland Ray  
 2130Carras Wm S @  
 2200Schleicher Wm F @  
 N 1st intersects  
 3000Ann Arbor Dairy Co (garage)  
 300½ Lane Thos R  
 303 Sutflin Andrew @  
 Sutflin L T  
 4010Dad's Root Beer Btng Co  
 4100Cornwell Coal Co dirs

**17**  
**AARR overpass**  
 4170Winslow Harry @  
 Desmond Chas  
 Ellsworth John J  
 Rowley Jas J  
 418 Third Ward Bldg  
 4200Ty's Service Market gros  
 4210Andrus Paul L potato chips  
 423 Bennett Ronald L gasoline sta  
 4290Fritz Amanda M Mrs @  
 4330Cazepis Harry @ gro  
 Spring begins  
 Chapin ends

5000Burrell's Service gasoline sta  
 5020George Jas @  
 Christ Thelma Mrs @  
 5030Mehrlack Gustave  
 5040Ayan Geo V @  
 506 Ahling Henry W  
 5070Crippen Sherburn T @  
 5080Hakala Wm T @  
 5100Hurst Geo H @  
 5110Hitchcock Raymond J  
 5140Mulholland Wm @  
 5180Hertchen Louisa C Mrs @  
 5220Beybold Edw @  
 5230Frye Clara E Mrs @  
 5240Korsuck Nell R @  
 5250Bohmet Emma Mrs @  
 Fountain begins

6010Tiplady Win J @  
 6040Ottmar LaVerne C @  
 6050Lonskey Chas P  
 6060King Walter G  
 6070Hedlesky John Jr  
 6090Burchfield Lillian M Mrs @  
 6160Hskala Edwin U @  
 6200Esslinger Carl W @  
 6220Ahl Isaac W  
 ss West Park  
 6270Keppler Wm M  
 6280Shepard Wm A @  
 630 Shetterly Lillian M Mrs  
 7010Haines Paul S @  
 7060Gryziel Anton @ tailor  
 7070Brown Mary Mrs  
 710 Cook Webster  
 7130Haas Fred G @  
 7140Frederick Jos J @  
 Miner begins

7150Kuhn Richd A @  
 7170Schneider Henry @  
 7240Hale Elis S Mrs @  
 Neff Thos A  
 Doll Thos H

## MILLER AV—Contd

7270Schlanderer Edw @  
 Dow Grace Mrs  
 Werk Wm T  
 7280Lau Conrad N @  
 7300Krueger Erwin F @  
 732 Dixon Wm B @  
 Lindemann Julius W  
 7340Jespersen Elmer C @  
 7360Smith Olive A @  
 7370Eskin Max @  
 7380Tucker Howard C  
 7430Schenk Philip Rev @  
 Gott begins

8010Hopkins Wm F  
 8050Behnke Wm G @  
 8060Gerstler Ruth L Mrs @  
 8090Goetze Lawrence A  
 8120Lutz Ernest H @  
 8130Driver Russell B  
 8160Laubengayer Edwin J @  
 8190Holzer Alf L @  
 Lausten Robt A  
 8200Scott Raymond gro  
 8250Biederman John C @  
 8330Schlecht Geo F @  
 8370Schief Jacob F @  
 Brooks begins  
 N 7th ends

9020Wightman Robt J @  
 9050Kemp Norman E @  
 9070Harris Douglas H @  
 9080Losey Glenn A @  
 Mack Christian Sch  
 9110Creal Cecil O @  
 Maple Ridge ends

10010Maheras Nicholas D @  
 10030Tinnin Jack V @  
 10270Siler Thos D  
 11010Snyder Excavating Co  
 Snyder Howard R @  
 11050Baker Royal A @  
 11070Limpert Mabel L Mrs @  
 Bedlin Robt M  
 11200Pryce C Russell @  
 11280Sedwick Leo M  
 12010Hall Cody L @  
 12050McEwan Robt  
 12090Patoros Louis J @  
 12130Layher Richd L @  
 12170Johnson Wm J  
 Wesley ends

13050Wuerfel Paul Rev @  
 13090Hall Ada B @  
 13110Reid Donald B @  
 Linda Vista ends

14010Fraser Wm A @  
 14030Rau Ivan E @  
 14050Hellner Edw F @

**27**  
**Newport rd begins**  
 15210Schallhorn Emil A @  
 landscape gdnr  
 Schallhorn Walter H radio  
 repr  
 15410Betts Wesley @  
 1553 Vacant

**City limits**  
 15750Hartman Jacob L @  
 15930Clauson Chas  
 16050Staudenmaier Clarence R @  
 pntr  
 16310Kittel Thos J  
 16450Heimerdinger Wilbert A @  
 16850Tiala Geo H  
 1692 No return  
 17880Notestine Willard @  
 18600Steeb Roland A @  
 18840Martin Earl W @ bldg contr  
 William R av begins

19200Harper Herbert H @  
 19900Graf Alf A @  
 21100Northrup Benj F @  
 Hanselman Edw J  
 Bigbee Alf  
 Fulmer begins

22200Coleman Leonard N @  
 2222 Arnold Edw E @  
 22500Crowley Cornelius  
 Franklin av begins

23500Landers Willard @ contr  
 Nicholas Franklin  
 23740Hadley Roland W @

## Miller Avenue

1945

**MILLER AV—Contd**

607<sup>4</sup>Hedlesky John jr  
 609<sup>4</sup>Burchfield Lillian M Mrs ☉  
 616<sup>4</sup>Felber Andrew  
 620<sup>4</sup>Esslinger Carl W ☉  
 622<sup>4</sup>Alli Isaac W  
   ss West Park  
 627<sup>4</sup>Keppler Wm M  
 628<sup>4</sup>Shetterly J Albert ☉  
 630 Shetterly Lillian M Mrs  
 701<sup>4</sup>Haines Paul S ☉  
   Elliott Amanda Mrs  
 706<sup>4</sup>Grygiel Anton ☉ tailor  
 707<sup>4</sup>Brown Fred ☉  
 710 Crouch Malcolm W  
 713<sup>4</sup>Haas Fred G ☉  
 714<sup>4</sup>Frederick Jos J ☉

**Miner begins**

715<sup>4</sup>Kuhn Richd A ☉  
 717<sup>4</sup>Schneider Harry ☉  
 724<sup>4</sup>Hale Eliz Mrs ☉  
   Neff Thos A  
   Doll Thos H  
 727<sup>4</sup>Schlanderer Edw ☉  
   Dow Edw R  
   Werk Wm T  
   Benko Rose Mrs  
 728<sup>4</sup>Lau Conrad N ☉  
 730<sup>4</sup>Mueller Wallace N  
 732 Dixon Wm  
   Lindemann Julius W  
 734<sup>4</sup>Jespersen Eimer C ☉  
 736<sup>4</sup>Smith Olive A ☉  
 737<sup>4</sup>Eskin Max  
 738<sup>4</sup>Audritsh Fred F ☉  
 743<sup>4</sup>Schenk Philip Rev ☉

**Gott begins**



## Miller Avenue

1939

## Chapin ends

500 Cossolias Aristomenas gro  
 Kavos Nichols  
 502 George Jas  
 Christ Wm  
 503<sup>Δ</sup>Bischoff Geo J ⊙  
 Mohrlock Gustave  
 504<sup>Δ</sup>Vogel Raymond W ⊙  
 506 Tolto Ezra I  
 507<sup>Δ</sup>Crippen Sherburn T ⊙  
 508<sup>Δ</sup>Bennett Lewis ⊙  
 510<sup>Δ</sup>Ewing Henry D  
 511<sup>Δ</sup>Horn Roland W  
 514<sup>Δ</sup>Mulholland Wm ⊙  
 518<sup>Δ</sup>Hertchen Jos M ⊙  
 522<sup>Δ</sup>Seybold Edw ⊙  
 523 Frye Clara E Mrs ⊙  
 524<sup>Δ</sup>Korzuck Paul ⊙  
 525<sup>Δ</sup>Bohnet Chas ⊙

## Fountain begins

601<sup>Δ</sup>Tiplady Wm J ⊙  
 604 Brown Henry D  
 Unareck Wm O  
 605<sup>Δ</sup>Burchfield Lillian M Mrs ⊙  
 606<sup>Δ</sup>Will L Kenneth  
 616 Lange Frank W ⊙  
 620 Esslinger Carl W ⊙  
 622 Phelps Wiley C  
 ss West Park  
 627 Brewer Wm J  
 628<sup>Δ</sup>Shetterly J Albert ⊙  
 630 Shetterly Lillian M Mrs  
 701<sup>Δ</sup>Haines Paul S ⊙  
 Geiger Roy L  
 706<sup>Δ</sup>Grygiel Anton ⊙ tailor  
 707<sup>Δ</sup>Brown Fred ⊙  
 Hackett Edw J  
 710 Miller Conrad E

## Miller Avenue

1939

438

(1939) R. L. PO

**MILLER AV—Contd**713<sup>4</sup>Haas Fred G ☉

714 Frederick Jos J ☉

**Miner begins**

715 Gordon Fred A

717<sup>4</sup>Schneider Henry ☉

724 Torrey Owen L

Barnett Loren B

Hale Geo W ☉

727<sup>4</sup>Schlanderer Edw ☉

4Cantrell Guy

Webb Edw M L

Werk Wm T

728 Lau Conrad N ☉

730 Mueller Wallace N

732 Lindemann Julius W ☉

Braukhoff Gustav E

Cobb Theibert

734 Jespersion Elmer C

736 Henry Grace Mrs

Smith Olive A

737<sup>4</sup>Wandel Geo ☉738<sup>4</sup>Sweet Harold A743<sup>4</sup>Schenk Ella R ☉**Gott begins**

801 Adamscheck Augusta W ☉

4Rankin Flora E

805<sup>4</sup>Behnke Wm G ☉806<sup>4</sup>Gersteler Ernest A

Crawford Chas

4Gray Lee

809<sup>4</sup>Goetze Lawrence A812<sup>4</sup>Lutz Ernest H ☉813<sup>4</sup>Winslow Mina L ☉816<sup>4</sup>Laubengayer Edwin J ☉819<sup>4</sup>Hoelzer Alf L ☉

4MacFall Wm P

820 Webb's Mkt gro

825 Wietzsch Herman G

**Brooks begins**

## Miller Avenue 1934

## Chapin ends

500 Corner Grocery The  
Cazepis Heracles  
502 Leach Frank S  
503 Bischoff Geo J  
Mohrlock Gustave  
504 Vogel Raymond W  
506 Walker Aaron G  
507 Crippen Sherburn T  
508 Bennett Lewis  
510 Saraw Mary P Mrs  
511 Hull Louisa B Mrs  
514 Mulholland Wm  
518 Hertchen Jos M  
522 Seybold Edw  
523 Frye Geo C  
524 Korzuck Paul bldg contr  
525 Bohnet Chas

## Fountain begins

601 Tiplady Wm J  
604 Robinson Lyle E  
605 Burchfield Lillian M Mrs  
608 Evans Vincent B  
616 Lange Frank W  
620 Esslinger Carl W  
622 Phelps Wiley C  
ss City Park  
627 Bemis Lenore C Mrs  
628 Shetterly J Albert  
630 Shetterly Clifford W  
701 Haines Paul S  
706 Grygiel Anton tailor  
707 Brown Fred  
Brewer Alvo  
710 Dosey Minnie F Mrs  
713 Haas Fred G  
714 Frederick Jos J  
715 Graf Eliz R Mrs  
717 Schneider Henry concrete  
contr  
724 Hale Eliz Mrs  
Hathaway Melvin  
Halm Clarence  
727 Schlanderer Edw  
Westphall L Roger  
Malloy Howard M  
728 Lau Conrad N  
730 Heatley Leo J  
732 Lindemann Julius W  
734 Mueller Wallace N  
736 Smith Jesse L  
737 Schmidt Theo  
738 Wietzsch Herman G  
743 Schenk Philip L

## Gott begins

801 Adamscheck Augusta  
Farnsworth Jene  
805 Behnke Wm G  
806 Hunt Mary E Mrs  
Hunt Lillian G drsmkr  
809 Briston Chas A

## Miller Avenue 1928

ERS DIRECTORY (1928) 721

518 Hertchen Jos M  
 522 Seybold Edw  
 523 Frye Geo C  
 524 Korzuck Paul contr  
 525 Bohnet Chas  
                                   **Fountain begins**  
 601 Tiplady Wm J  
 604 Strong Jay F  
       Johnson John  
 605 Burchfield Saml W  
 616 Jorndt Wm J  
       Lange Frank W  
 620 Esslinger Carl W  
 622 Simmons Carl D  
       ss City Park  
 627 Klotz Jacob  
 628 Shetterly J Albert  
 630 Shetterly Clifford W  
 701 Stickle LaVerne E  
       St Clair Robt J  
       Haines Paul  
 706 Grygiel Anton tailor  
 707 Brown Fred  
 710 Dosey Frank R  
 713 Haas Fred G  
 714 Frederick Jos J  
 715 Graf Eliz R Mrs  
 717 Schneider Henry contr  
 724 Hale Geo W  
       Teeter Eldden J  
 727 Schlanderer Edw  
       McLaughlin Percy L  
       Arnst John G  
 728 Vacant  
 730 Fischer Gerald L A  
       Doane Geo F jr  
 732 Lindemann Julius  
       Stanley Wm R  
 734 Drewry Chas E  
 736 Smith Jesse L  
 737 Ely Myron G  
 738 Horning Wm F pntr  
 743 Schenk Anna Mrs  
                                   **Gott begins**  
 801 Adamscheck Augusta  
 806 Hunt Mary E Mrs  
 809 Behnke Wm G  
 812 Lutz Ernest H  
 813 Libolt Wm B  
 816 Laubengayer Edwin J  
 819 Winsor Jas G  
 820 Lutz Bert gro  
 825 Biederman Otto W  
       Heselschwerdt Eliz Mrs  
                                   **Brooks begins**  
 829 Vacant  
 837 Schlecht Geo F  
                                   **Seventh ends**

## Miller Avenue 1923

OLK & CO'S	
	522 Edward Seybold
	523 George C Frye
	524 Paul Korzuck, contr
	525 Charles Bohnet
	<b>Fountain begins</b>
	601 Gottfried F Schoettle
	Gaylord W Royce
	Amanda B Schoettle,
	dressmkr
	604 Smith & Ellsworth Roof-
	ing & Supply Co
	Mrs Mary A Ellsworth
	605 Samuel W Burchfield
	ss Community Chapel Assn
	ss Christian Mack School
	616 Wm J Jorndt
	Frank W Lange
	622 Carl W Esslinger
	627 Jacob Klotz
	628 J Albert Shetterly
	630 Clifford W Shetterly
	701 Wm T Hatfield
	George Coulson
	Paul S Haines
	706 Anton Grygiel, tailor
	707 Fred Brown
	Walter J Wisbin
	710 Frank H Dosey
	713 Frederick G Haas
	714 Joseph J Frederick
	715 Herman E Graf
	717 Henry Schneider
	724 Wm G Behnke
	727 Edward Schlanderer
	Raymond V Spiegelberg
	Russell Mynning
	728 Eli W DeVore
	734 Roswell E Franklin
	Julius W Lindemann
	Fred D Leonard
	736 Jesse L Smith
	737 Margaret Baessler
	738 Wm F Horning, ptr
	743 Mrs Anna B Schenk
	<b>Gott begins</b>
	801 Martin Adamscheck
	806 Harry A Hunt
	Lillian G Hunt, drsmkr
	John A Hunt
	809 Mrs Mattie M Huebner
	Frank E Wetherbee
	812 Ernest H Lutz
	813 Wm B Libolt
	819 Fredk J Heusel
	820 Edward Lautengayer, gro
	825 Mrs E Heselschwerdt
	Otto W Biederman
	<b>Brook begins</b>
	829 J Clarence Tice
	837 George F Schlecht
	<b>Seventh ends</b>
	902 Chauncey L Dettling

## Miller Avenue

1918

POLK & CO. S	
706	Anton Grygiel
707	Fred Brown
710	Frank H Dosey
713	Frederick G Haas
714	Joseph J Frederick
715	Herman E Graf
717	Mrs Christina Schneider
724	Samuel Baylis
727	Edward Schlanderer
"	Emory Easton
"	Alfred Weber
728	Eli W DeVore
734	Julius Lindemann
736	Wm H Hunt
"	Edward A Hunt
737	Margaret Baessler
738	Jesse L Smith
743	Mrs Ann B Schenk
	Gott begins
801	Martin Adamscheck
806	Harry A Hunt
"	Charles F Hunt, contr
809	Frank Huebner
812	Henry Schneider
813	Frederick J Schroeter
819	Alfred Cooper
825	Conrad Heselschwerdt
"	Otto W Biedermann
	Brook begins
829	J Clarence Tice
837	Karl Schlecht
	Seventh ends

Miller Avenue

1913

Fountain st commences

601 Gottfried F Schoettle

604 John Groff

605 Samuel W Burchfield

— 1st Baptist Church  
Chapel

— Christian Mack School

616 Wm J Joerndt

622 Carl W Esslinger

627 Mrs Ida I Wardle

628 J Albert Shetterly

630 Vacant

701 Henry Schneider

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701 702 703 704 705 706 707 708 709 710

## Miller Avenue

1913

701	Paul Haines
706	Anton Grygiel
707	Fred Brown
710	Frank H Dosey
713	Frederick G Haas
714	Joseph Frederick
715	Herman E Graf
717	Mrs Christian Schneider
724	Samuel Baylis
"	Mrs Elizabeth Freeman, hairdresser
727	Abraham Beck
"	Edward Schlanderer
734	David G Baumgardner
736	Jesse L Smith
737	Vacant
743	Henry Schlittler
	Gott st commences
801	Martin Adamscheck
806	Harry A Hunt
809	Frank Huebner
"	Lillian E Hunt, dressmkr
812	Wm T Hatfield
813	Frederick J Schroeter
819	John A Cooper
"	Mrs Elizabeth Hample
825	Conrad Heselschwerdt
	Brook st commences
829	Aaron Long



## Miller Avenue

1907

627 Mrs Ida I Wardle  
 628 J Albert Shetterly  
 701 Martin Noll  
 706 Wm C Gerstner  
 707 Fred Brown  
 710 Frank A Dosey  
 713 Frederick G Haas  
 714 Joseph Frederick, dairy  
 715 Herman E Graf  
 717 Mrs Christina Schneider  
 724 Samuel Baylis  
 " Mrs Elizabeth Freeman  
 727 Abraham Beck  
 " Edward Schlanderer  
 734 David G Baumgartner  
 743 Henry Schlittler  
                   Gott st intersects  
 801 Martin Adamscheck  
 806 S J Sindlinger  
 809 John Schneider  
 " Frank Huebner  
 812 Wm T Hatfield

**II Fresh and Salt  
 Meats.  
 Poultry and Fish**

813 Edward H Ehrenberg  
 819 John A Cooper  
 " Wm H Fox  
 " Mrs Elizabeth Hample  
 825 Jessie L Smith  
 829 Aaron A Long, cigar mnfr  
 837 Mrs Sophia Schelecht  
                   Brooks st intersects  
 908 L C Lindsay  
 918 H W Moore

## Miller Avenue

1902

## Fountain st

604 John Groff  
 616 Wm J Joerndt  
 August Schmidt  
 622 Henry Backhaus  
 628 J Albert Shetterly  
 701 Huldah W Schneider  
 706 Alois Maerz  
 707 Fred Brown  
 710 Frank Dosey  
 713 Frederick G Haas  
 714  
 715 Herman Graf  
 717 Robert C Barnes  
 724 John A Freeman  
 727 Abraham Beck  
 Agnes Binder  
 734 David G Baumgartner  
 743 Henry Schlittler

## Gott st

801 Augusta Adamscheck  
 806 Wm Copeland  
 809 John Schneider  
 812 Kate Schneider  
 Frederick Stollsteimer  
 813 Arthur H Tibbits  
 819 Elizabeth Hample  
 825 Jesse L Smith  
 829 Aaron Long  
 837 Charlotte A Gardener

## Brooks st

908 Lizzie D Moore  
 918 Martha L E Duncan

Miner Street

2012

**MINER ST (ANN ARBOR)-FROM 721 MILLER AVE NORTH**

• ZIP CODE 48103 CAR-RT C014

501 ② Mehr Daniel K ✓ ▲ (1939)

② Olikara Kevin P

515 Carmon Tal ✓ @ [4] ▲ (1981)

.....734-913-8137

Carmon Michal .....734-913-8137

516 Viers Lucia J ✓ [6]

Viers Barbara J

520 Stock Mark W & Nancy M ✓ [18] ▲  
(1910)

**+ FELCH ST INTERSECTS**

607 No Current Listing

611 Hurwitz Elizabeth W ✓ @ [12] ▲

(1939) .....734-741-7368

612 ② Dillon William ✓

② Turgeon Jherek D ✓

Miner Street

2007

MINER ST (ANN ARBOR)-FROM 721 MILLER  
AVE NORTH

• ZIP CODE 48103 CAR-RT C014

501 Warren Douglas E [15] ▲

.....734-994-7981

Warren Kurt S .....734-994-7981

515 Chan Paul S [11] ▲

he Terms of Use appearing

Miner Street 2007

**MINER ST Cont'd**

516 Austin Leland D [12] ▲  
.....734-327-1066

520 Stock Mark W & Nancy M [13] ▲  
.....734-665-9240

**+ FELCH ST INTERSECTS**

607 Evans Richard P [22] ▲  
.....734-662-2663

611 Belanger Jeffrey J [6] ▲

612 ☉ Huffman Chad M

614 KARMA THEGSUM CHOLING  
churches .....734-761-7495

615 Abernathy Teresa [5] ▲  
.....734-327-5048

Abernathy J T .....734-327-5048

618 Schafer William M [36] ▲  
.....734-769-3134

SCHAFFER WILLIAM M PHD  
psychologists .....734-663-0147

621 Tinkerhess Paul B & Claire A [22] ▲  
.....734-663-9003

627 Branam Judson T II & Patricia M [13]  
▲ .....734-213-2061

**+ HISCOCK ST INTERSECTS**

Miner Street

2003

**MINER ST (ANN ARBOR)-FROM 723 MILLER AVE NORTH**

• ZIP CODE 48103 CAR-RT C014

501 Warren Douglas E [10]▲ .....734-994-7981

Warren Kurt S .....734-994-7981

515 [7] Gillis Amee .....734-649-0889

Ramcke Carsten E [10]▲ .....734-769-8839

Ramcke Jennifer .....734-769-8839

Ross Jennifer [7]

516 [7] Comstock Sandra C

[7] Moreno Hugo ▲ .....734-332-1087

Moreno Sergio .....734-332-1087

520 Stock Mark W & Nancy M [9]▲ ..734-665-9240

+ FELCH ST INTERSECTS

500 [7] Tolson Adolph C

Miner Street

2000

MINER ST (ANN ARBOR)-FROM  
723 MILLER AVE NORTH

. ZIP CODE 48103 CAR-RT C014

501 Warren Douglas E [9]+ ▲

Warren Colleen S

515 [9] Ramcke Carsten ..... 769-8839

516 [9] George L ..... 995-1279

[9] Knapp L ..... 995-1279

520 Stock Mark W & Nancy [9]+ ▲

**+FELCH ST INTERSECTS**

607 Evans Richard P [4] ▲

611 [9] Vandervort Frank ..... 668-6164

612 [9] Bergin Wolfgang ..... 663-3659

614 [9] Hamburger Daniel ..... 913-8155

KARMA THEGSUM CHOLING

religious orgs ... 761-7495

## Miner Street

1996

<b>MINER ST (A)</b>		<b>48103</b>	
501 Warren Douglas....	-3113	C005	994-7981
515 Ramcke Carsten...	-3113	C005	769-8839
Ramcke Julie.....	-3113	C005	769-8839
516 George L.....	-3114	C005	995-1279
Knapp L.....	-3114	C005	995-1279
520 Stock Mark W.....	-3114	C005	665-2437
611 Vandervort Frank..	-3115	C005	668-6164
612 Sablack Frank.....	-3116	C005	662-0143
614 KARMA			
THEGSUM			
CHOLING.....	-3116	C005	761-7495
Mannikka Eleanor..	-3116	C005	668-8246
618 Mixer Alice.....	-3116	C005	769-3134
Mixer Toby.....	-3116	C005	769-3134
621 Tinkerhess Claire..	-3115	C005	663-9003
Tinkerhess Paul....	-3115	C005	663-9003
627 Branam Judson.....	-3115	C005	213-2061
Branam P.....	-3115	C005	213-2061
704 Campbell Ike.....	-3118	C005	663-1375
709 Sjo P.....	-3117	C005	662-1371
711 Graham K L.....	-3117	C005	665-7382



Miner Street

1993

25

**MINER ST -FROM 714 MILLER AV  
NORTH****• ZIP CODE 48103**

501 Sperendi Anthony J & Patricia [2]  
995-2462

515 Vacant

516 Kindt Wm & Barbara C [6] © 475-7555

520 Young Eliz A [5] © 994-6134

**• FELCH INTERSECTS**

607★Kopka S

611 Runth Harold & Mary E [9] † © 663-2146

612★Mcdonald Naomi 994-9183

614★Karma Thegsum & Choling 761-7495

Miner Street

1988

25

**MINER ST -FROM 714 MILLER AV  
NORTH**

ZIP CODE 48103

501★Peterson Stephen W 769-8138

515 No Return

516 Kindt Wm 769-6956

520★Young Eliz A ☉ 994-6134

FELCH INTERSECTS

607★Abbott Wayne III ☉ 994-3236

611 Runth Harold ☉ 663-2146

612 Vacant

614 Gilbert Timothy A ☉ 662-4028

615★Post Wilbur

618 Mixer Scott ☉ 769-3134

627★Muirhead Mary 662-4047

HISCOCK INTERSECTS

## Miner Street

1984

25

**MINER ST —FROM 714 MILLER AV  
NORTH****ZIP CODE 48103**

501 Peterson Stephen W © 769-8138

515 Thiefels Paul © 668-7969

516 Mc Garry Susan E 769-0073

520 Schulak Edw 995-5106

**FELCH INTERSECTS**

607 Brewer Thos © 995-5979

611 Runth Harold © 663-2146

612★Sierra Barbara S 996-1973

614 Gilbert Timothy A © 662-4028

615★Graeser Tom © 665-6437

618 Mixer Scott © 769-3134

627 Taylor Doretta M Mrs © 662-4047

**HISCOCK INTERSECTS**

Miner Street

1979

**MINER ST —FROM 714 MILLER AV  
NORTH**

ZIP CODE 48103

516 Parks Paul

520★Refaloe Judy 665-3093

**FELCH INTERSECTS**

607 Nielsen Mary A © 995-3468

611★Runth Harold 663-2146

612 Bergin M I 663-4514

614★Gilbert Timtohy A 662-4028

615 Townsend Joan 994-9116

618 Mixer Scott © 769-3134

627 Taylor Doretta M Mrs © 662-4047

**HISCOCK INTERSECTS**

703★Schultz Benj M 665-6760

704 Campbell Ike © 663-1375

707 Magyar Matthew © 761-1881

709 Paddock Warren J © NO2-0609

710 Larmee Arth C © NO2-6616

## Miner Street

1974

25

**MINER ST —FROM 714 MILLER AV  
NORTH**

ZIP CODE 48103

516 Parks Paul

520★Jansen Gordon R

FELCH INTERSECTS

607 Vacant

611 Reynolds Earl Mrs © 769-4050

Runth Harold L © 663-2146

612 Vacant

614 Vacant

615 Oliver Ella Mrs 769-1620

618★Bryant Gerald R 769-7776

621 Vacant

627 Muirhead Mary E Mrs © NO2-4047

HISCOCK INTERSECTS

703 Hawley Steph

704★Campbell Ike

707★Magyar Matthew © 761-1881

709 Paddock Warren J © NO2-0609

710 Larmee Arth C © NO2-6616

711 Gaiser Gottlob © NO2-0932

713 Steinmayer Conrad © 662-8533

## Miner Street

1969

-----  
MINER ST -FROM 714 MILLER AV NORTH 25

---ZIP CODE 48103

516 NO RETURN

520 LETHCOE MELROSE

---FELCH INTERSECTS

607 RUNTH HAROLD L • 663-2146

612 VACANT

614 MINER STREET GROCERY NO2-2116

615 SHAW VERNOLA L MRS 761-7541

618 PARLAS THOS C • NO2-6173

621 SCOTT HERMAN L • 663-7742

627 MUIRHEAD MARY E • NO2-4047

---HISCOCK INTERSECTS

703 HORGROW SIMON

707 WILLIAMS HORACE • 769-1826

709 PADDOCK WARREN J • NO2-0609

710 LARMEE ARTH C • NO2-6616

711 GAISER GOTTLOB • NO2-0932

713 STEINMAYER CONRAD • 662-8533

714 DYER ANNA M MRS • NO3-5405

715 PLATTEN HAROLD M • 665-9257

716 ZIEGLER ABE • 761-2474

**Miner Street**

**1964**

**25**

**MINER—From 714 Miller av north**

**516 Rocco Peter F © NO2-0617**

**520 Haywood Annie Mrs**

**Felch intersects**

**607 Overstreet Geo W jr NO2-8495**

## Miner Street

1960

25

**MINER — From 714 Miller av north to  
Bydding rd**

516 No Return

520 No Return

**Felch intersects**

607 Overstreet Geo W jr ΔNO2-8495

611 Runth Harold L © ΔNO3-2146

612 Parlas Thos C ΔNO2-2116

614 Miner Street Grocery ΔNO2-2116

615 Bell Wm A ΔNO3-0652

618 Lenz Ralph W ΔNO3-5345

621 Jackson John E

627 Muirhead Mary E © ΔNO2-4047

**Hiscock intersects**



Miner Street

1955

25

**MINER—From 714**

Miller av north to  
Bydding rd

516△Rocco Peter F ©

520△O'Neal Wm J jr ©

**Felch intersects**

607△Harberd Lettie

L Mrs ©

611△Runth Harold L ©

612△Parlas Thos C ©

614△Miner Street Gro-  
cery

615△Anderson Jas W ©

618△Lenz Ralph W

621△Scott Herman L ©

627△Muirhead Mary

E Mrs

**Hiscock inter-  
sects**

## Miner Street 1949

	warren begins
	25
	<b>MINER—From 714 Miller av north</b>
	to Bydding rd
	516△Poppenger Donald
	520△Cobb Frank A @
	<b>Felch intersects</b>
	607△Harberd Lettie L Mrs @
	611△Runth Harold L @
	612△Parlas Thos C
	614△Parlas Thos C gro
	615△Anderson Jas W @
	618△Theros Gust L
	621△Scott Herman L @
	627 Multhead Mary E Mrs
	<b>Hiscock intersects</b>
	702△Ludwig Harlow A Rev @
	707 Fry Alma Mrs @
	709△Young Jas G @
	710△Gillespie Geo H jr @
	711△Galsler Gottlob @
	713 Steinmayer Conrad @
	714△Dyer Donovan L @
	715△McLeod Jas A @
	716△Sinnell John
	719△Muenzer Robt W @
	720△Sinnell John P @
	721△Richards Floyd D @
	745△Scodeller Mario P @
	<b>W Summit intersects</b>
	801△Knight Sophie L Mrs @
	807△Craig Gerald B @
	811△Hoppe Edw @
	812△York Rolln
	816△Meldrum Vincent
	823△Cramer Lee E
	900△Weber John H @
	902△Rohr Vincent D @ patr
	903 Suttin Elvis C
	△Boylan Burr L @
	906△Strainic Louts A @
	907△Kies Earl M @
	910 Vacant
	915△Byce Richd C jr
	916 Groesbeck Edw G @
	917△Elsifor Wilbur J @
	920△Dix Alf K @
	921△Helmzman Albert O @
	<b>Pearl begins</b>
	1004△Rapley Jos @
	1005△Soper Ralph D @
	1007△Selfert Walter
	1008△Seeger Raymond E @
	1009△Hirth Fred S @
	1010△Rafeld Clarence @
	1011△Stalker Lyle L
	1012△Wente Wm F @
	1013△Tervo Wm @
	1014△Hale Norman @
	1015△Weber Fred A @
	1019△Sjostrom Isedor @ carp
	1100△Baucroft Edw @
	△Baucroft Mice Service ptrs
	1101△Sodt Kenneth J @
	1102△LaBounty Raymond @
	1105△Beckman Paul O @
	1107△Lau Jas E @
	1110△Abbott Lysle @
	1111 Under construction
	Bydding rd begins (not open)

## Miner Street

1945

MINER—From 714 Miller av north to  
Bydding road

516<sup>0</sup>Gerstler Theo M ☉

520<sup>0</sup>Miner Frank ☉

Felch intersects

607<sup>0</sup>Harberd Lettie L Mrs ☉

611<sup>0</sup>Runth Harold L ☉

612 Cossolias Constantine ☉

614<sup>0</sup>Miner St Grocery

615<sup>0</sup>Anderson Jas W

618<sup>0</sup>Theros Gust L

621 Vacant

627 Muirhead Mary E Mrs

Hiscock intersects

703 Ludwig Harlow A ☉

707 Fry Harry C ☉

709<sup>0</sup>Young Jas G ☉

710<sup>0</sup>Sherwood Gordon A

711<sup>0</sup>Gaiser Gottlob ☉

713 Steinmayer Conrad ☉

714<sup>0</sup>Dyer Donovan L ☉

715<sup>0</sup>McLeod Jas A ☉

716<sup>0</sup>Sinelli Angela Mrs ☉

719<sup>0</sup>Mummery Glenn A

720<sup>0</sup>Sinelli John

721<sup>0</sup>Vreeland Wm A

745<sup>0</sup>See Diller Mario P ☉

W Summit intersects

## Miner Street

1939

**MINER**—From 714 Miller av north be-  
yond Pearl, 2 west of Spring

516<sup>o</sup> Nieman Henry J

520 Jacobus Peter A @

✓ Felch intersects

607 Harberd Lettie L Mrs @

611 Barth Wm S

612 Cossolias Constantine @

614<sup>o</sup> Miner St Grocery

615 Henderson Cameron

618 Evangelides Anastasios

621<sup>o</sup> Harrison Walter B

627 Boyd Elwyn

Hiscock intersects

702 Thompson Louis C @

## Miner Street

1934

**MINER**—From 714 Miller av north  
to bey Pearl, 2 west Spring

516 Nieman Henry

520 Jacobus Julia Mrs

**Felch intersects**

607 Harberd Lettie L Mrs

611 Barth Wm S

612 Cossolias Constantine

614 Miner St Grocery

615 Brokaw Edw J

618 Evangelides Anastasious

621 Beck Russell R

627 Wright Fred W

**Hiscock intersects**

703 Enkemann Louis G

707 Fry Harry C

709 Bird Victor

710 Keeney Robt P

711 Kappler Elmer E

714 Snyder Clarence L

## Miner Street

1928

**MINER — From 714 Miller av  
north to Pearl, 2 west Spring**

520 Pelton Alonzo D

**Felch intersects**

607 Harberd Lettie S Mrs

611 Otto Benj trucking

612 Cossolias Constantine

614 Cossolias Constantine gro

615 Webber Jacob

618 Munday Jas E

621 Thompson Grace Mrs

627 Muirhead Clarence B

**Hiscock intersects**

703 Enkemann Louis

707 Fry Harry C

709 Shaw Arth G

710 Vacant

711 Iden Leon L

715 McLeod Jas A

716 Tindall Burnell  
Young Electric Co

719 Jacobs Jas W

720 Stanton Wm

721 Pierce Jas M Dr

745 Hoelzle Fred C

**Summit intersects**

801 Knight Thos L

## Miner Street

1923

**MINER, from Felch, n to Pearl,  
2 w Spring**

607 Mrs Clara P Twist

611 Theodore H Neff

614 David F Thomas, grocer

615 Owen N Quinn

621 Mrs Lavica Beck

627 Edward Thomas

**Hiscock**

703 John W Ragland

707 Addison U Fry

709 Wm B Quinn

716 Wesley S Fraser

720 D Clyde Reynolds

745 Claude R Mayne

**Summit**

801 Thomas L Knight

807 Vacant

811 Andrew A Fahrner

Mrs Nettie Fahrner

820 Reinhold W Pardon

823 Wm F Passow

903 Burr L Boylan

917 Jacob Webber

921 Mrs Kathryn Heinzmann

Albert O Heinzmann

## Miner Street

1918

**MINER, from Felch, n to Pearl.**

2 w Spring

607 John W Knight

611 Theodore H Neff

615 Harry L Thompson

621 Jacob A Becks, express

627 Robert B Styers

**Hiscock**

703 Walter Maddingley

707 Addison U Fry

709 Wm B Quinn



**SECTION 10.5**

**Environmental Database Report**

**Miller Manor**

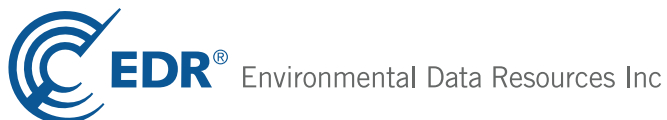
727 Miller Ave

Ann Arbor, MI 48103

Inquiry Number: 3594432.2s

May 01, 2013

# The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

727 MILLER AVE  
ANN ARBOR, MI 48103

#### COORDINATES

Latitude (North): 42.2852000 - 42° 17' 6.72"  
Longitude (West): 83.7562000 - 83° 45' 22.32"  
Universal Transverse Mercator: Zone 17  
UTM X (Meters): 272745.4  
UTM Y (Meters): 4684907.5  
Elevation: 838 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42083-C7 ANN ARBOR WEST, MI  
Most Recent Revision: 1983  
  
East Map: 42083-C6 ANN ARBOR EAST, MI  
Most Recent Revision: 1983

### AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2012  
Source: USDA

### TARGET PROPERTY SEARCH RESULTS

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

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
CITY OF ANN ARBOR HOUSING COMM 727 MILLER AVE ANN ARBOR, MI 48103	WDS	N/A
CITY OF ANN ARBOR HOUSING COMM 727 MILLER AVE ANN ARBOR, MI 48103	RCRA-CESQG FINDS	MID985612050

# EXECUTIVE SUMMARY

## DATABASES WITH NO MAPPED SITES

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

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

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

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
FEDERAL FACILITY..... Federal Facility Site Information listing

### ***Federal CERCLIS NFRAP site List***

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

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

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

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-SQG..... RCRA - Small Quantity Generators

### ***Federal institutional controls / engineering controls registries***

US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls  
LUCIS..... Land Use Control Information System

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

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

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

## EXECUTIVE SUMMARY

### ***State and tribal leaking storage tank lists***

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

### ***State and tribal registered storage tank lists***

AST..... Aboveground Tanks  
INDIAN UST..... Underground Storage Tanks on Indian Land  
FEMA UST..... Underground Storage Tank Listing

### ***State and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Brownfields and UST Site Database

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Lists of Landfill / Solid Waste Disposal Sites***

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
ODI..... Open Dump Inventory  
SWRCY..... Recycling Facilities  
HIST LF..... Inactive Solid Waste Facilities  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

#### ***Local Lists of Hazardous waste / Contaminated Sites***

US CDL..... Clandestine Drug Labs  
CDL..... Clandestine Drug Lab Listing  
US HIST CDL..... National Clandestine Laboratory Register

#### ***Local Land Records***

LIENS 2..... CERCLA Lien Information  
LIENS..... Lien List

#### ***Records of Emergency Release Reports***

HMIRS..... Hazardous Materials Information Reporting System  
SPILLS..... Pollution Emergency Alerting System

#### ***Other Ascertainable Records***

RCRA NonGen / NLR..... RCRA - Non Generators  
DOT OPS..... Incident and Accident Data  
DOD..... Department of Defense Sites  
FUDS..... Formerly Used Defense Sites  
CONSENT..... Superfund (CERCLA) Consent Decrees  
ROD..... Records Of Decision  
UMTRA..... Uranium Mill Tailings Sites

## EXECUTIVE SUMMARY

US MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
UIC.....	Underground Injection Wells Database
DRYCLEANERS.....	Drycleaning Establishments
NPDES.....	List of Active NPDES Permits
AIRS.....	Permit and Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
PRP.....	Potentially Responsible Parties
EPA WATCH LIST.....	EPA WATCH LIST
US FIN ASSUR.....	Financial Assurance Information
PCB TRANSFORMER.....	PCB Transformer Registration Database
2020 COR ACTION.....	2020 Corrective Action Program List
COAL ASH.....	Coal Ash Disposal Sites
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
Financial Assurance.....	Financial Assurance Information Listing

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR US Hist Auto Stat.....	EDR Exclusive Historic Gas Stations
EDR US Hist Cleaners.....	EDR Exclusive Historic Dry Cleaners

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

# EXECUTIVE SUMMARY

## STANDARD ENVIRONMENTAL RECORDS

### ***State- and tribal - equivalent CERCLIS***

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

A review of the SHWS list, as provided by EDR, and dated 01/28/2013 has revealed that there are 11 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
H AND K CAMPUS PROPERTIES Facility Status: Evaluation conducted	212-216 SOUTH STATE STR	ESE 1/2 - 1 (0.862 mi.)	38	58
<b>1943 JACKSON AVENUE</b> Facility Status: Interim Response in progress	<b>1943 JACKSON AVE</b>	<b>WSW 1/2 - 1 (0.897 mi.)</b>	<b>39</b>	<b>58</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
396-424 W. WASHINGTON/ANNARBOR Facility Status: Evaluation conducted	396-424 W. WASHINGTON S	SE 1/4 - 1/2 (0.391 mi.)	D14	28
<b>815 WILDT ST</b> Facility Status: Evaluation conducted	<b>815 WILDT ST.</b>	<b>NE 1/4 - 1/2 (0.456 mi.)</b>	<b>20</b>	<b>37</b>
U OF M ARGUS BUILDING Facility Status: See Leaking Underground Storage Tank Site Database	400 FOURTH ST	S 1/2 - 1 (0.509 mi.)	28	52
<b>ALLEN CREEK DRAIN</b> Facility Status: Interim Response in progress	<b>912 N MAIN ST</b>	<b>ENE 1/2 - 1 (0.552 mi.)</b>	<b>29</b>	<b>53</b>
EATON CORPORATION Facility Status: Interim Response conducted	315 SOUTH FIRST STREET	SSE 1/2 - 1 (0.572 mi.)	30	53
<b>LANSKY SCRAPYARD</b> Facility Status: Interim Response in progress	<b>1100 N MAIN</b>	<b>NE 1/2 - 1 (0.696 mi.)</b>	<b>32</b>	<b>55</b>
<b>MICH CON BROADWAY ST</b> Facility Status: Interim Response in progress	<b>841 BROADWAY STREET</b>	<b>ENE 1/2 - 1 (0.766 mi.)</b>	<b>34</b>	<b>56</b>
1254 N. MAIN/ LOTUS ENGINEERIN Facility Status: Evaluation conducted	1254 NORTH MAIN STREET	NE 1/2 - 1 (0.853 mi.)	35	56
<b>ARMEN CLEANERS</b> Facility Status: Interim Response in progress	<b>630 S ASHLEY</b>	<b>SSE 1/2 - 1 (0.858 mi.)</b>	<b>37</b>	<b>57</b>

### ***State and tribal leaking storage tank lists***

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

A review of the LUST list, as provided by EDR, and dated 02/01/2013 has revealed that there are 13



## EXECUTIVE SUMMARY

LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>BILL MUNCYS SERVICE</b> Facility Status: Closed	<b>423 MILLER AVE</b>	<b>ESE 1/8 - 1/4 (0.228 mi.)</b>	<b>B3</b>	<b>9</b>
<b>DALE KRULL CONST</b> Facility Status: Closed	<b>221 FELCH ST</b>	<b>ENE 1/4 - 1/2 (0.297 mi.)</b>	<b>C6</b>	<b>20</b>
<b>C.B DEVELOPMENT</b> Facility Status: Closed	<b>220 FELCH ST</b>	<b>ENE 1/4 - 1/2 (0.315 mi.)</b>	<b>C8</b>	<b>21</b>
<b>ILLIS AUTO SERVICE</b> Facility Status: Closed	<b>401 W HURON ST</b>	<b>SE 1/4 - 1/2 (0.322 mi.)</b>	<b>10</b>	<b>24</b>
<b>WCP INVESTMENTS PARTNERSHIP</b> Facility Status: Closed	<b>117 N FIRST ST</b>	<b>SE 1/4 - 1/2 (0.364 mi.)</b>	<b>11</b>	<b>25</b>
<b>PARKS &amp; RECREATION BLDG</b> Facility Status: Open	<b>415 W WASHINGTON ST</b>	<b>SSE 1/4 - 1/2 (0.382 mi.)</b>	<b>D13</b>	<b>26</b>
<b>ASHLEY TERRANCE DEVELOPMENT</b> Facility Status: Closed	<b>208 WEST HURON STREET</b>	<b>SE 1/4 - 1/2 (0.395 mi.)</b>	<b>E15</b>	<b>28</b>
<b>BEAKES STREET SERVICE STATION</b> Facility Status: Closed	<b>101 BEAKES ST</b>	<b>E 1/4 - 1/2 (0.407 mi.)</b>	<b>17</b>	<b>30</b>
<b>ANN ARBOR IMPLEMENT CO</b> Facility Status: Closed	<b>210 S 1ST ST</b>	<b>SE 1/4 - 1/2 (0.424 mi.)</b>	<b>18</b>	<b>33</b>
<b>UNIVERSITY FUEL MART</b> Facility Status: Closed	<b>300 N MAIN ST</b>	<b>ESE 1/4 - 1/2 (0.424 mi.)</b>	<b>19</b>	<b>34</b>
<b>BUDGET RENT A CAR</b> Facility Status: Closed	<b>200 S ASHLEY ST</b>	<b>SE 1/4 - 1/2 (0.462 mi.)</b>	<b>F23</b>	<b>41</b>
<b>CITY GARAGE</b> Facility Status: Closed	<b>721 N MAIN ST</b>	<b>ENE 1/4 - 1/2 (0.466 mi.)</b>	<b>24</b>	<b>42</b>
<b>LIBERTY STREET</b> Facility Status: Open	<b>221 W LIBERTY</b>	<b>SE 1/4 - 1/2 (0.498 mi.)</b>	<b>G27</b>	<b>52</b>

### **State and tribal registered storage tank lists**

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

A review of the UST list, as provided by EDR, and dated 02/01/2013 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>BILL MUNCYS SERVICE</b>	<b>423 MILLER AVE</b>	<b>ESE 1/8 - 1/4 (0.228 mi.)</b>	<b>B3</b>	<b>9</b>

## EXECUTIVE SUMMARY

### ***State and tribal institutional control / engineering control registries***

AUL: A listing of sites with institutional and/or engineering controls in place.

A review of the AUL list, as provided by EDR, and dated 03/28/2012 has revealed that there is 1 AUL site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BILL MUNCYS SERVICE	423 MILLER AVE.	ESE 1/8 - 1/4 (0.228 mi.)	B4	10

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 12/10/2012 has revealed that there are 2 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
200 SOUTH ASHLEY STREET	200 SOUTH ASHLEY STREET	SE 1/4 - 1/2 (0.462 mi.)	F22	38
226 WEST LIBERTY	226 WEST LIBERTY	SE 1/4 - 1/2 (0.494 mi.)	G25	46

#### ***Local Lists of Hazardous waste / Contaminated Sites***

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

A review of the DEL SHWS list, as provided by EDR, and dated 02/01/2013 has revealed that there is 1 DEL SHWS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MONTGOMERY PUMPING STATION</b>	<b>432 MONTGOMERY</b>	<b>SW 1/2 - 1 (0.612 mi.)</b>	<b>31</b>	<b>53</b>

#### ***Other Ascertainable Records***

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 02/25/2013 has revealed that there are 7 BEA sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANN ARBOR ART CTR (FORMER STAN	220 FELCH	ENE 1/4 - 1/2 (0.315 mi.)	C7	21
Not reported	220 FELCH STREET	ENE 1/4 - 1/2 (0.315 mi.)	C9	24
Not reported	110 MILLER	ESE 1/4 - 1/2 (0.375 mi.)	12	26

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	204 W HURON	SE 1/4 - 1/2 (0.395 mi.)	E16	30
<b>815 WILDT ST</b>	<b>815 WILDT ST.</b>	<b>NE 1/4 - 1/2 (0.456 mi.)</b>	<b>20</b>	<b>37</b>
<b>BUDGET RENT A CAR</b>	<b>200 S ASHLEY ST</b>	<b>SE 1/4 - 1/2 (0.462 mi.)</b>	<b>F21</b>	<b>37</b>
Not reported	221 W LIBERTY ST	SE 1/4 - 1/2 (0.498 mi.)	G26	51

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

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

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

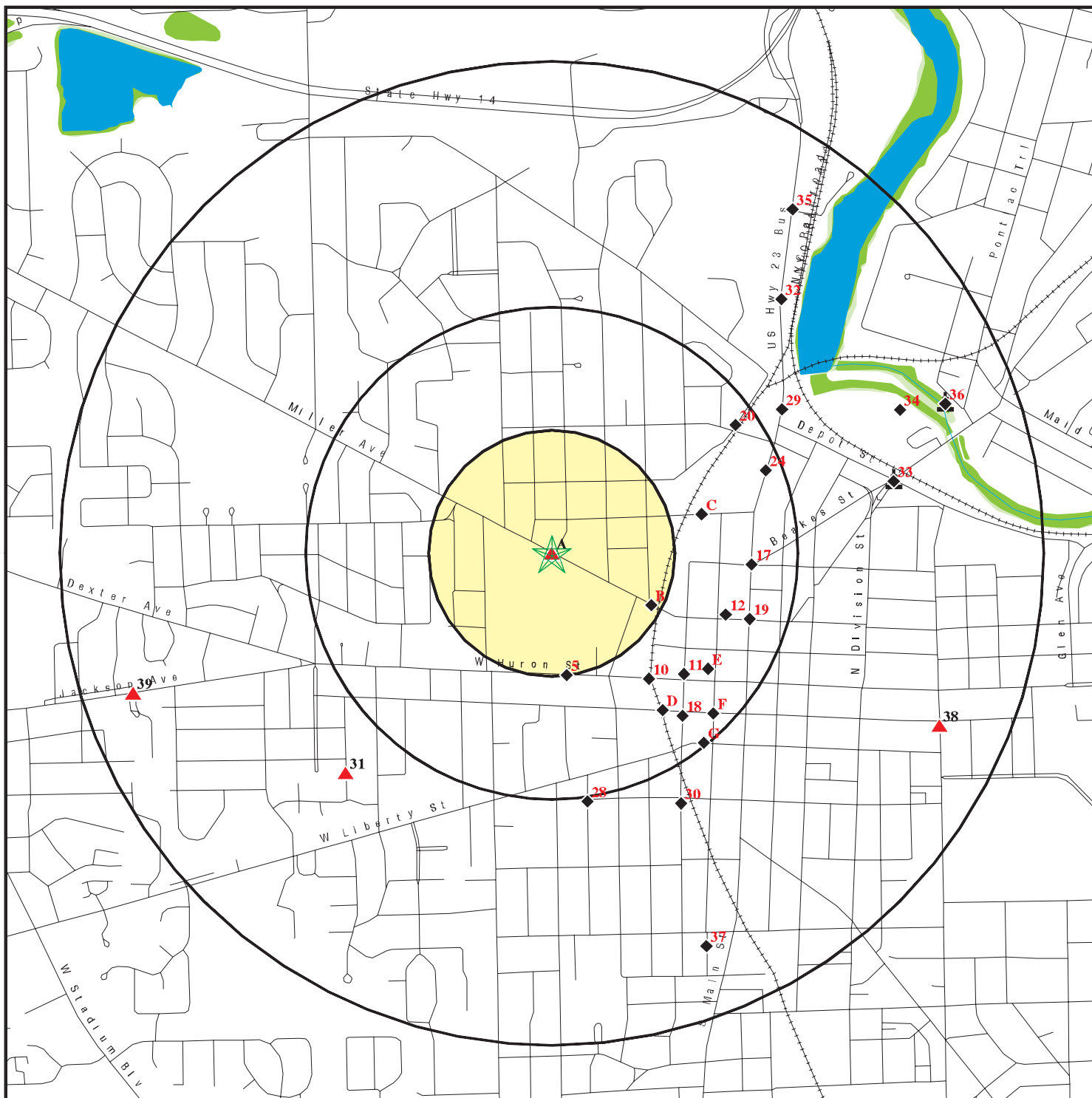
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY GAS WORKS	BEAKES STREET	ENE 1/2 - 1 (0.710 mi.)	33	55
THE ANN ARBOR GAS CO	BROADWAY STREET	ENE 1/2 - 1 (0.855 mi.)	36	57

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 24 records.

<u>Site Name</u>	<u>Database(s)</u>
BRIARWOOD SERVICE CENTER-AMOCO	AUL
HIDEAWAY LANE	SHWS
MICH CON BEAKES ST	SHWS
UNIV OF MICH HOSPITAL FULLER RD	SHWS
UM NORTH CAMPUS LANDFILL AREA	SHWS
AVFUEL BULK FACILITY	SHWS
UNIVERSITY OF MICH LF NO 1	SHWS
M14 ROLLOVER	CERCLIS
MICHIGAN CONSOLIDATED COAL PLT #2	CERC-NFRAP
UNIVERSITY OF MICHIGAN LANDFILL #1	CERC-NFRAP
SHELL STATION	LUST, UST
MARATHON UNIT #1793	LUST, UST
ST JOSEPH MERCY HEALTH SYSTEM	LUST, UST
ANN ARBOR PIPE & SUPPLY	LUST, UST
MI DEPT/NATURAL RESOURCES AND ENVI	RCRA NonGen / NLR
COUNTY OF WASHTENAW ROAD COMMISSIO	RCRA NonGen / NLR
MI DEPT/TRANSPORTATION	RCRA NonGen / NLR, FINDS
NORTH MAPLE AND DEXTER AVENUE	US BROWNFIELDS, FINDS
PARCELS B & C	BEA
	BEA
UNKNOWN	BEA
	BEA
	BEA
DEREK MILLER/PREMIUM ENVIRONMENTAL	SPILLS

# OVERVIEW MAP - 3594432.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

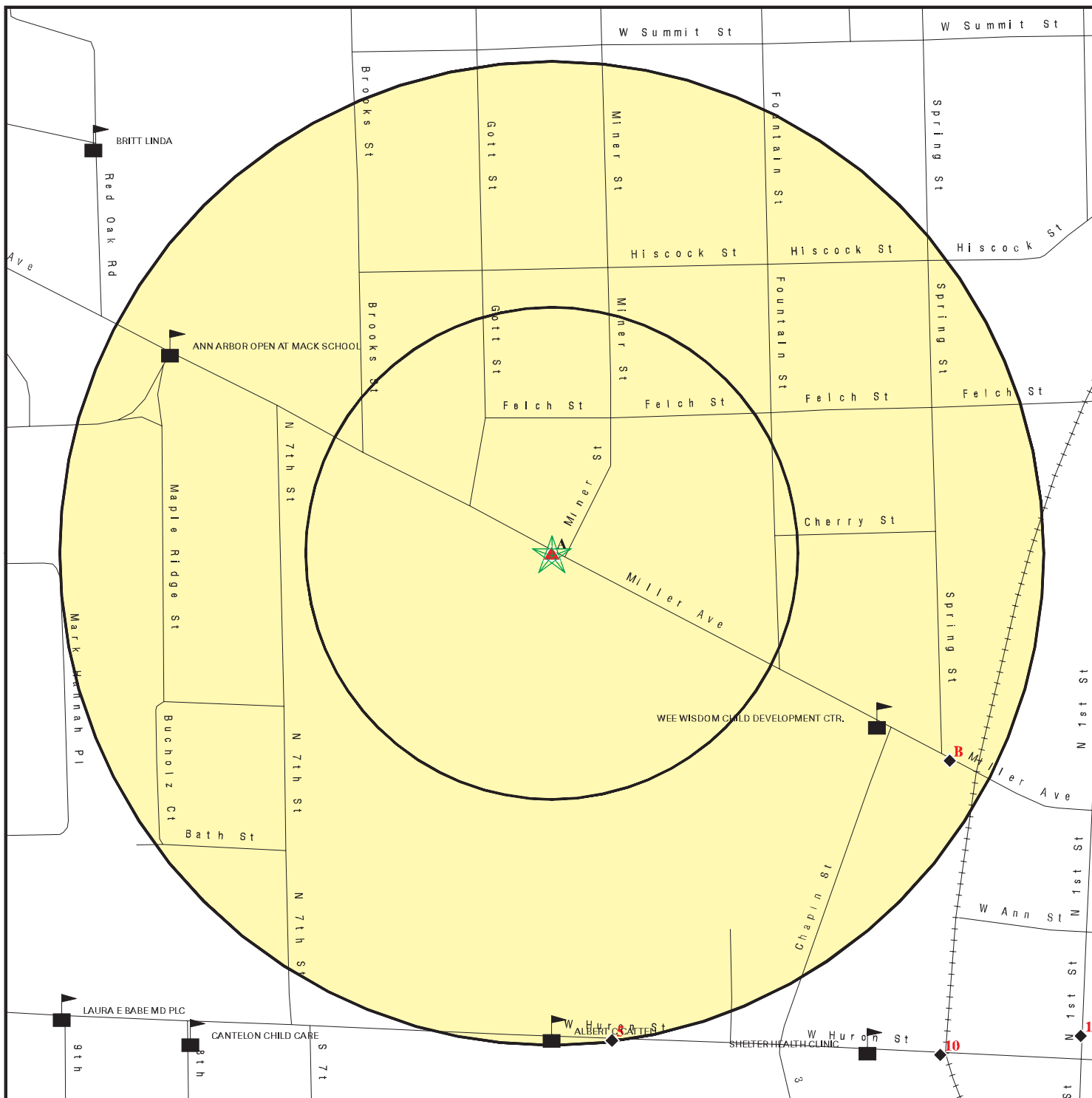
- ▨ Indian Reservations BIA
- Oil & Gas pipelines from USGS
- National Wetland Inventory
- State Wetlands

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

SITE NAME: Miller Manor  
 ADDRESS: 727 Miller Ave  
 Ann Arbor MI 48103  
 LAT/LONG: 42.2852 / 83.7562

CLIENT: Environmental Resources Group, Inc.  
 CONTACT: Penny M. Dwoinen  
 INQUIRY #: 3594432.2s  
 DATE: May 01, 2013 3:48 pm

# DETAIL MAP - 3594432.2s



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

- Indian Reservations BIA
- Oil & Gas pipelines from USGS

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

SITE NAME: Miller Manor  
 ADDRESS: 727 Miller Ave  
 Ann Arbor MI 48103  
 LAT/LONG: 42.2852 / 83.7562

CLIENT: Environmental Resources Group, Inc.  
 CONTACT: Penny M. Dwoinen  
 INQUIRY #: 3594432.2s  
 DATE: May 01, 2013 3:52 pm

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250	1	0	0	NR	NR	NR	1
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
SHWS	1.000		0	0	2	9	NR	11
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		0	1	12	NR	NR	13
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
UST	0.250		0	1	NR	NR	NR	1

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal institutional control / engineering control registries</b>								
AUL	0.500		0	1	0	NR	NR	1
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	2	NR	NR	2
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	1	NR	1
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0



## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
BEA	0.500		0	0	7	NR	NR	7
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
WDS	TP	1	NR	NR	NR	NR	NR	1
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP	1.000		0	0	0	2	NR	2
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**A1**      **CITY OF ANN ARBOR HOUSING COMM**  
**Target**    **727 MILLER AVE**  
**Property**   **ANN ARBOR, MI 48103**

**WDS**    **S111939673**  
          **N/A**

**Site 1 of 2 in cluster A**

**Actual:**  
**838 ft.**

WDS:  
Site Id:                    MID985612050  
WMD Id:                    405093  
Site Specific Name:      CITY OF ANN ARBOR HOUSING COMM  
Mailing Address:        727 MILLER AVE  
Mailing City/State/Zip: 48103  
Mailing County:         WASHTENAW

**A2**      **CITY OF ANN ARBOR HOUSING COMM**  
**Target**    **727 MILLER AVE**  
**Property**   **ANN ARBOR, MI 48103**

**RCRA-CESQG**    **1000528779**  
**FINDS**            **MID985612050**

**Site 2 of 2 in cluster A**

**Actual:**  
**838 ft.**

RCRA-CESQG:  
Date form received by agency: 05/02/1991  
Facility name:            CITY OF ANN ARBOR HOUSING COMM  
Facility address:        727 MILLER AVE  
                                  ANN ARBOR, MI 48103  
  
EPA ID:                    MID985612050  
Contact:                  DONALD WRIGHT  
Contact address:        727 MILLER AVE  
                                  ANN ARBOR, MI 48103  
  
Contact country:        US  
Contact telephone:     (313) 994-2828  
Contact email:          Not reported  
EPA Region:             05  
Classification:         Conditionally Exempt Small Quantity Generator  
Description:             Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

**Owner/Operator Summary:**

Owner/operator name:    CITY OF ANN ARBOR HOUSING COMM  
Owner/operator address: Not reported  
                                  Not reported  
  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status:             Municipal  
Owner/Operator Type:    Operator  
Owner/Op start date:     01/01/1970  
Owner/Op end date:       Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF ANN ARBOR HOUSING COMM (Continued)**

**1000528779**

Owner/operator name: CITY OF ANN ARBOR HOUSING COMM  
Owner/operator address: Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Municipal  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/1970  
Owner/Op end date: Not reported

Handler Activities Summary:

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

Hazardous Waste Summary:

Waste code: D001  
Waste name: 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.

Violation Status: No violations found

FINDS:

Registry ID: 110003656847

Environmental Interest/Information System

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

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**B3**            **BILL MUNCYS SERVICE**  
**ESE**           **423 MILLER AVE**  
**1/8-1/4**       **ANN ARBOR, MI 48103**  
**0.228 mi.**  
**1204 ft.**      **Site 1 of 2 in cluster B**

**LUST**    **U001148462**  
**UST**      **N/A**  
**WDS**

**Relative:**  
**Lower**

**LUST:**  
Facility ID:            00037093  
Source:                STATE OF MICHIGAN  
Owner Name:          Bill Muncys Serv  
Owner Address:       423 Miller Ave  
Owner City,St,Zip:   Ann Arbor, MI 48103-3339  
Owner Contact:       Not reported  
Owner Phone:         (734) 994-0873  
Country:               USA  
District:               Jackson District Office  
Site Name:             Bill Muncys Service  
Latitude:               42.28363  
Longitude:             -83.75263  
Date of Collection:   01/11/2001  
Method of Collection: Address Matching-House Number  
Accuracy:              100  
Accuracy Value Unit: FEET  
Horizontal Data:      NAD83  
Point Line Area:      POINT  
Desc Category:        Plant Entrance (Freight)

**Actual:**  
**798 ft.**

Leak Number:         C-0073-99  
Release Date:         02/02/1999  
Substance Released:   Unknown,Unknown  
Release Status:        Closed  
Release Closed Date: 01/14/2000

**UST:**  
Facility ID:            00037093  
Facility Type:         CLOSED  
Latitude:               42.28363  
Longitude:             -83.75263  
Owner Name:           BILL MUNCYS SERV  
Owner Address:        423 MILLER AVE  
Owner City,St,Zip:   ANN ARBOR, MI 48103-3339  
Owner Country:        USA  
Owner Contact:        Not reported  
Owner Phone:         (734) 994-0873  
Contact:                WM E MUNCY  
Contact Phone:        (734) 994-0873  
Date of Collection:   01/11/2001  
Accuracy:              100  
Accuracy Value Unit: FEET  
Horizontal Datum:     NAD83  
Source:                 STATE OF MICHIGAN  
Point Line Area:      POINT  
Desc Category:        Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number

Tank ID:                1  
**Tank Status:**        **Closed in Ground**  
Capacity:               500  
Install Date:           Not reported  
Product:                Used Oil

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BILL MUNCYS SERVICE (Continued)**

**U001148462**

Remove Date: 01/25/1999  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Bare Steel  
Piping Type: Suction: No Valve At Tank  
Construction Material: Not reported  
Impressed Device: No

WDS:

Site Id: MIG000010499  
WMD Id: 457070  
Site Specific Name: BILL MUNCY SERVICE  
Mailing Address: 423 MILLER AVE  
Mailing City/State/Zip: 48103  
Mailing County: WASHTENAW

**B4** **BILL MUNCYS SERVICE**  
**ESE** **423 MILLER AVE.**  
**1/8-1/4** **ANN ARBOR CITY, MI 48103**  
**0.228 mi.**  
**1204 ft.** **Site 2 of 2 in cluster B**

**AUL** **S109278301**  
**N/A**

**Relative:**  
**Lower**

AUL:

Status: Recorded  
Site Name: Not reported  
Property: 423 Miller Ave., Ann Arbor  
Land Use Restriction Type: RC  
Program Type: Part 213  
Program Support Assigned User: Nicholas Swartz  
Program Support Assigned Date: 5/13/2009 11:19:22.66  
Legal Description Of Property: Migrated  
Based On The Deq Ref #: 11121305057  
MDEQ Reference Number: RC-RRD-213-05-057  
Property Or Description Restricted Area: Bill Muncy's Service  
Lead Division: STD  
File Name Of Hyperlinked Legal Doc: U:\KERMIT\11121305057.pdf  
Mapped Polygons Area In Acres: 0.2177  
Mapped Polygons Area In Square Miles: 2.9999999999999997E-4  
Date Data Entry Started: 5/13/2009 00:00:00  
Date Data Entry Finished: 5/13/2009 00:00:00  
Individual Or Staff Assoc With The Mapping: Nicholas Swartz  
Program Used To Map Restricted Features: ArcInfo 9.3 and IcoMap 4.2  
Map Comments: Property polygon is NOT mapped in KERMIT as of 10/10/2008. LUR is mapped in KERMIT as of 20090513 - Nick Swartz  
Request received on 6/15/2005.  
Comment:

Date Legal Paperwork Stamped/Filed/Register Of Deeds: 11/10/1999 00:00:00  
Commercial I Land Use Restriction: 0  
Commercial Ii Land Use Restriction: 0  
Commercial Iii Land Use Restriction: 0  
Commercial Iv Land Use Restriction: 0  
Industrial Land Use Restriction: 0  
Residential Land Use Restriction: 0  
Recreational Land Use Restriction: 0  
Multiple Land-Use Restrictions: 0  
Site Specific Restrictions: 1  
Groundwater Consumption Restrictions: 1  
Groundwater Contact Restrictions: 0

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BILL MUNCYS SERVICE (Continued)**

**S109278301**

Special Well Construction Requirements: 0  
 Special Building Restrictions: 0  
 Excavation And Soil Movement Restrictions: 1  
 Soil Movement Requirements: 0  
 There Is A Restriction On All Construction: 0  
 Monitoring Well Protected, No Tampering Or Removal: 0  
 There Is An Exposure Barrier In Place: 0  
 There Is A Health And Safety Plan: 1  
 There Is A Permanent Marker On The Site: 0

**5**  
**South**  
**1/8-1/4**  
**0.249 mi.**  
**1317 ft.**

**FULLSERV INC**  
**603 WEST HURON STREET**  
**ANN ARBOR, MI 48103**

**MANIFEST 1009224134**  
**N/A**

**Relative:**  
**Lower**

NY MANIFEST:  
 EPA ID: MIG999999993  
 Country: USA  
 Mailing Name: FULLSERV INC  
 Mailing Contact: TOMMY JOHNSON  
 Mailing Address: 603 WEST HURON STREET  
 Mailing Address 2: Not reported  
 Mailing City: ANN ARBOR  
 Mailing State: MI  
 Mailing Zip: 48103  
 Mailing Zip4: Not reported  
 Mailing Country: USA  
 Mailing Phone: 313-913-0690

**Actual:**  
**820 ft.**

Document ID: NYG0183636  
 Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
 Trans1 State ID: MI041  
 Trans2 State ID: Not reported  
 Generator Ship Date: 970722  
 Trans1 Recv Date: 970722  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 970730  
 Part A Recv Date: Not reported  
 Part B Recv Date: 970818  
 Generator EPA ID: MIG999999993  
 Trans1 EPA ID: MID981094618  
 Trans2 EPA ID: Not reported  
 TSDf ID: NYD045604964  
 Waste Code: D011 - SILVER 5.0 MG/L TCLP  
 Quantity: 00030  
 Units: G - Gallons (liquids only)\* (8.3 pounds)  
 Number of Containers: 006  
 Container Type: DF - Fiberboard or plastic drums (glass)  
 Handling Method: R Material recovery of more than 75 percent of the total material.  
 Specific Gravity: 100  
 Year: 97

Document ID: NYG0874539  
 Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
 Trans1 State ID: MI041

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Trans2 State ID: Not reported  
Generator Ship Date: 971223  
Trans1 Recv Date: 971223  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 971230  
Part A Recv Date: 980115  
Part B Recv Date: 980127  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: MID981094618  
Trans2 EPA ID: Not reported  
TSD ID: NYD045604964  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00030  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 006  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 97

Document ID: NYG0499293  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 01/08/1999  
Trans1 Recv Date: 01/08/1999  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 01/11/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00015  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 003  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 99

Document ID: NYG1180143  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 02/19/1999  
Trans1 Recv Date: 02/19/1999  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 02/25/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Trans2 EPA ID: Not reported  
TSDF ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00040  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 008  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 99

Document ID: NYG1180638  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 03/23/1999  
Trans1 Recv Date: 03/23/1999  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 03/29/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSDF ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00025  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 005  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 99

Document ID: NYG0499419  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 03/20/1998  
Trans1 Recv Date: 03/20/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 03/30/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSDF ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00035  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 007  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Year: 98

Document ID: NYG0499536  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 01/23/1998  
Trans1 Recv Date: 01/23/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 02/03/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00035  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 007  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0499743  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 02/11/1998  
Trans1 Recv Date: 02/11/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 02/26/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00025  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 005  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0606051  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 06/26/1998  
Trans1 Recv Date: 06/26/1998

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/02/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00025  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 005  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0606672  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 07/28/1998  
Trans1 Recv Date: 07/28/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/04/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00030  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 006  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0607248  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 08/26/1998  
Trans1 Recv Date: 08/26/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/31/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Quantity: 00020  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 004  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0607635  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 09/28/1998  
Trans1 Recv Date: 09/28/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 10/06/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00020  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 004  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0608184  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 10/21/1998  
Trans1 Recv Date: 10/21/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 11/03/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00016  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 003  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Document ID: NYG0608949  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 11/23/1998  
Trans1 Recv Date: 11/23/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 12/02/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00025  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 005  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0605322  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 05/18/1998  
Trans1 Recv Date: 05/18/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 05/28/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00025  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 005  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0604935  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 04/23/1998  
Trans1 Recv Date: 04/23/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 04/30/1998  
Part A Recv Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00030  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 006  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYB8380881  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: MI041  
Trans2 State ID: Not reported  
Generator Ship Date: 961108  
Trans1 Recv Date: 961108  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 961127  
Part A Recv Date: 961120  
Part B Recv Date: 961224  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: MID981094618  
Trans2 EPA ID: Not reported  
TSD ID: NYD045604964  
Waste Code: D011 - SILVER 5.0 MG/L TCLP  
Quantity: 00055  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 011  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 96

Document ID: NYB8378883  
Manifest Status: Completed copy  
Trans1 State ID: MI041  
Trans2 State ID: Not reported  
Generator Ship Date: 970221  
Trans1 Recv Date: 970221  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 970227  
Part A Recv Date: 970305  
Part B Recv Date: 970313  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: MID981094618  
Trans2 EPA ID: Not reported  
TSD ID: NYD045604964  
Waste Code: D011 - SILVER 5.0 MG/L TCLP  
Quantity: 00020  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 97

Document ID: NYB8381412  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: MI041  
Trans2 State ID: Not reported  
Generator Ship Date: 970110  
Trans1 Recv Date: 970110  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 970123  
Part A Recv Date: 970130  
Part B Recv Date: 970205  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: MID981094618  
Trans2 EPA ID: Not reported  
TSDf ID: NYD045604964  
Waste Code: D011 - SILVER 5.0 MG/L TCLP  
Quantity: 00035  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 007  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 97

Document ID: NYB8378361  
Manifest Status: Completed copy  
Trans1 State ID: MI041  
Trans2 State ID: Not reported  
Generator Ship Date: 970425  
Trans1 Recv Date: 970425  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 970502  
Part A Recv Date: 970507  
Part B Recv Date: 970516  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: MID981094618  
Trans2 EPA ID: Not reported  
TSDf ID: NYD045604964  
Waste Code: D011 - SILVER 5.0 MG/L TCLP  
Quantity: 00030  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 006  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 97

[Click this hyperlink](#) while viewing on your computer to access  
4 additional NY\_MANIFEST: record(s) in the EDR Site Report.

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**C6**            **DALE KRULL CONST**  
**ENE**           **221 FELCH ST**  
**1/4-1/2**        **ANN ARBOR, MI 48108**  
**0.297 mi.**  
**1568 ft.**       **Site 1 of 4 in cluster C**

**LUST**    **U001147611**  
**UST**      **N/A**  
**WDS**

**Relative:**  
**Lower**

**LUST:**  
Facility ID:            00036137  
Source:                STATE OF MICHIGAN  
Owner Name:           B & H Investments  
Owner Address:        725 W Ellsworth Rd  
Owner City,St,Zip:    Ann Arbor, MI 48108-3320  
Owner Contact:        Not reported  
Owner Phone:          (734) 769-6781  
Country:                USA  
District:                Jackson District Office  
Site Name:              Saline Construction  
Latitude:                42.28623  
Longitude:              -83.75044  
Date of Collection:    01/11/2001  
Method of Collection:   Address Matching-House Number  
Accuracy:               100  
Accuracy Value Unit:   FEET  
Horizontal Data:        NAD83  
Point Line Area:        POINT  
Desc Category:         Plant Entrance (Freight)

**Actual:**  
**792 ft.**

Leak Number:           C-0852-92  
Release Date:           05/27/1992  
Substance Released:   Diesel  
Release Status:         Closed  
Release Closed Date:   07/07/1993

**UST:**  
Facility ID:            00036137  
Facility Type:           CLOSED  
Latitude:                42.28623  
Longitude:              -83.75044  
Owner Name:            B & H INVESTMENTS  
Owner Address:        725 W ELLSWORTH RD  
Owner City,St,Zip:    ANN ARBOR, MI 48108-3320  
Owner Country:        USA  
Owner Contact:        Not reported  
Owner Phone:          (734) 769-6781  
Contact:                JACOB W. HAAS  
Contact Phone:         (734) 769-6781  
Date of Collection:    01/11/2001  
Accuracy:               100  
Accuracy Value Unit:   FEET  
Horizontal Datum:      NAD83  
Source:                 STATE OF MICHIGAN  
Point Line Area:        POINT  
Desc Category:         Plant Entrance (Freight)  
Method of Collection:   Address Matching-House Number

Tank ID:                1  
**Tank Status:**        **Removed from Ground**  
Capacity:               5000  
Install Date:           01/01/1975  
Product:                Gasoline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DALE KRULL CONST (Continued)**

**U001147611**

Remove Date: 06/20/1996  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Unknown  
Piping Type: Suction: No Valve At Tank  
Construction Material: Asphalt Coated or Bare Steel  
Impressed Device: No

**WDS:**

Site Id: MIG000037415  
WMD Id: 444628  
Site Specific Name: B & H INVESTMENTS  
Mailing Address: 221 FELCH ST  
Mailing City/State/Zip: 48103  
Mailing County: WASHTENAW

Site Id: MIG000020878  
WMD Id: 452925  
Site Specific Name: J C BEAL  
Mailing Address: 221 FELCH ST  
Mailing City/State/Zip: 48103  
Mailing County: WASHTENAW

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**C7 ANN ARBOR ART CTR (FORMER STANDARD OIL)**  
**ENE 220 FELCH**  
**1/4-1/2 ANN ARBOR CITY, MI**  
**0.315 mi.**  
**1661 ft. Site 2 of 4 in cluster C**

**BEA S109416630**  
**N/A**

**Relative:**  
**Lower**

**BEA:**  
Secondary Address: Not reported  
BEA Number: 949  
District: Jackson  
Date Received: 01/15/2009  
Submitter Name: A2 Real Property Group LLC  
Petition Determination: Affirmed  
Petition Disclosure: 1  
Category: No Hazardous Substance(s)  
Determination 20107A: No Request  
Reviewer: katkov  
Division Assigned: RRD

**Actual:**  
**790 ft.**

---

**C8 C.B DEVELOPMENT**  
**ENE 220 FELCH ST**  
**1/4-1/2 ANN ARBOR, MI 48108**  
**0.315 mi.**  
**1663 ft. Site 3 of 4 in cluster C**

**LUST U003082673**  
**UST N/A**

**Relative:**  
**Lower**

**LUST:**  
Facility ID: 00020892  
Source: STATE OF MICHIGAN  
Owner Name: Cb Developement  
Owner Address: 725 W Ellsworth Rd  
Owner City,St,Zip: Ann Arbor, MI 48108-3320  
Owner Contact: Not reported  
Owner Phone: (734) 769-6781

**Actual:**  
**790 ft.**



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C.B DEVELOPMENT (Continued)**

**U003082673**

Country: USA  
District: Jackson District Office  
Site Name: C.b Development  
Latitude: 42.28651  
Longitude: -83.75064  
Date of Collection: 01/11/2001  
Method of Collection: Address Matching-House Number  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Data: NAD83  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)

Leak Number: C-0851-92  
Release Date: 05/26/1992  
Substance Released: Diesel  
Release Status: Closed  
Release Closed Date: 04/23/1997

Leak Number: C-0856-92  
Release Date: 05/28/1992  
Substance Released: Diesel  
Release Status: Closed  
Release Closed Date: 04/23/1997

Leak Number: C-0908-92  
Release Date: 06/04/1992  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 04/23/1997

**UST:**

Facility ID: 00020892  
Facility Type: CLOSED  
Latitude: 42.28651  
Longitude: -83.75064  
Owner Name: CB DEVELOPEMENT  
Owner Address: 725 W ELLSWORTH RD  
Owner City,St,Zip: ANN ARBOR, MI 48108-3320  
Owner Country: USA  
Owner Contact: Not reported  
Owner Phone: (734) 769-6781  
Contact: DONALD BUTCHER  
Contact Phone: (734) 769-6781  
Date of Collection: 01/11/2001  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number

Tank ID: 1  
**Tank Status: Removed from Ground**  
Capacity: 500  
Install Date: 05/11/1969  
Product: Gasoline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C.B DEVELOPMENT (Continued)**

**U003082673**

Remove Date: 05/28/1992  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Unknown  
Piping Type: Not reported  
Construction Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 2  
**Tank Status: Removed from Ground**  
Capacity: 500  
Install Date: Not reported  
Product: Diesel  
Remove Date: 05/28/1992  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Unknown  
Piping Type: Not reported  
Construction Material: Unknown  
Impressed Device: No

Tank ID: 3  
**Tank Status: Removed from Ground**  
Capacity: 1000  
Install Date: Not reported  
Product: Diesel  
Remove Date: 05/28/1992  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Unknown  
Piping Type: Not reported  
Construction Material: Unknown  
Impressed Device: No

Tank ID: 4  
**Tank Status: Removed from Ground**  
Capacity: 4000  
Install Date: Not reported  
Product: Diesel  
Remove Date: 05/28/1992  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Unknown  
Piping Type: Not reported  
Construction Material: Unknown  
Impressed Device: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C9**  
**ENE**      **220 FELCH STREET**  
**1/4-1/2**    **ANN ARBOR TOWNSHIP, MI**  
**0.315 mi.**  
**1663 ft.**    **Site 4 of 4 in cluster C**

**BEA**    **S105768045**  
**N/A**

**Relative:**      **BEA:**  
**Lower**          Secondary Address:    Not reported  
                         BEA Number:            54  
**Actual:**          District:                Jackson  
**790 ft.**            Date Received:        12/18/1996  
                         Submitter Name:      Ann Arbor Art Association  
                         Petition Determination: No Request  
                         Petition Disclosure:    0  
                         Category:              No Hazardous Substance(s)  
                         Determination 20107A: No Request  
                         Reviewer:              temppm  
                         Division Assigned:    Storage Tank Division

**10**  
**SE**          **ILLIS AUTO SERVICE**  
**1/4-1/2**    **401 W HURON ST**  
**0.322 mi.** **ANN ARBOR, MI 48103**  
**1702 ft.**

**LUST**    **1000951246**  
**WDS**     **N/A**

**Relative:**      **LUST:**  
**Lower**          Facility ID:             50001678  
                         Source:                 STATE OF MICHIGAN  
**Actual:**          Owner Name:            Nrt Owner  
**800 ft.**            Owner Address:        Unknown  
                         Owner City,St,Zip:    Unknown, MI 99999  
                         Owner Contact:        Not reported  
                         Owner Phone:          Not reported  
                         Country:                USA  
                         District:                Jackson District Office  
                         Site Name:              Illi's Service  
                         Latitude:                42.28138  
                         Longitude:              -83.75292  
                         Date of Collection:    01/11/2001  
                         Method of Collection:   Address Matching-House Number  
                         Accuracy:               100  
                         Accuracy Value Unit:   FEET  
                         Horizontal Data:        NAD83  
                         Point Line Area:       POINT  
                         Desc Category:        Plant Entrance (Freight)

Leak Number:        C-0445-85  
Release Date:        10/06/1988  
Substance Released: Not reported  
Release Status:      Closed  
Release Closed Date: 08/08/1994

**WDS:**  
Site Id:                MIG000020521  
WMD Id:                453032  
Site Specific Name:    ILLIS AUTO SERVICE  
Mailing Address:      401 W HURON ST  
Mailing City/State/Zip: 48103  
Mailing County:        WASHTENAW

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

11  
 SE  
 1/4-1/2  
 0.364 mi.  
 1921 ft.

**WCP INVESTMENTS PARTNERSHIP**  
**117 N FIRST ST**  
**ANN ARBOR, MI 48104**

**LUST U000714759**  
**UST N/A**

**Relative:**  
**Lower**

**LUST:**  
 Facility ID: 00035012  
 Source: STATE OF MICHIGAN  
 Owner Name: Wcp Investments Partnership  
 Owner Address: 425 N Main St  
 Owner City,St,Zip: Ann Arbor, MI 48104-1157  
 Owner Contact: Not reported  
 Owner Phone: (734) 663-3213  
 Country: USA  
 District: Jackson District Office  
 Site Name: Wcp Investments Partnership  
 Latitude: 42.28171  
 Longitude: -83.75113  
 Date of Collection: 01/11/2001  
 Method of Collection: Address Matching-House Number  
 Accuracy: 100  
 Accuracy Value Unit: FEET  
 Horizontal Data: NAD83  
 Point Line Area: POINT  
 Desc Category: Plant Entrance (Freight)

**Actual:**  
**819 ft.**

Leak Number: C-3069-91  
 Release Date: 03/19/1991  
 Substance Released: Unknown  
 Release Status: Closed  
 Release Closed Date: 08/06/1993

**UST:**  
 Facility ID: 00035012  
 Facility Type: CLOSED  
 Latitude: 42.28171  
 Longitude: -83.75113  
 Owner Name: WCP INVESTMENTS PARTNERSHIP  
 Owner Address: 425 N MAIN ST  
 Owner City,St,Zip: ANN ARBOR, MI 48104-1157  
 Owner Country: USA  
 Owner Contact: Not reported  
 Owner Phone: (734) 663-3213  
 Contact: THOMAS PORTER  
 Contact Phone: (734) 663-3213  
 Date of Collection: 01/11/2001  
 Accuracy: 100  
 Accuracy Value Unit: FEET  
 Horizontal Datum: NAD83  
 Source: STATE OF MICHIGAN  
 Point Line Area: POINT  
 Desc Category: Plant Entrance (Freight)  
 Method of Collection: Address Matching-House Number

Tank ID: 1  
**Tank Status: Removed from Ground**  
 Capacity: 15000  
 Install Date: Not reported  
 Product: UNK

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WCP INVESTMENTS PARTNERSHIP (Continued)**

**U000714759**

Remove Date: 07/06/1991  
Tank Release Detection: Not reported  
Pipe Release Detection: Not reported  
Piping Material: Bare Steel,Unknown  
Piping Type: Not reported  
Construction Material: Asphalt Coated or Bare Steel,Unknown  
Impressed Device: No

12  
ESE  
1/4-1/2  
0.375 mi.  
1980 ft.

**110 MILLER  
ANN ARBOR CITY, MI**

**BEA S108084201  
N/A**

**Relative:  
Lower**

BEA:  
Secondary Address: Not reported  
BEA Number: 335  
District: Jackson  
Date Received: 01/04/2002  
Submitter Name: Ann Arbor Real Estate Group LLC  
Petition Determination: Affirmed  
Petition Disclosure: 1  
Category: No Hazardous Substance(s)  
Determination 20107A: Affirmed  
Reviewer: katkov  
Division Assigned: Environmental Response Division

**Actual:  
819 ft.**

D13  
SSE  
1/4-1/2  
0.382 mi.  
2015 ft.

**PARKS & RECREATION BLDG  
415 W WASHINGTON ST  
ANN ARBOR, MI 48103**

**LUST U000266403  
UST N/A**

**Site 1 of 2 in cluster D**

**Relative:  
Lower**

LUST:  
Facility ID: 00008428  
Source: STATE OF MICHIGAN  
Owner Name: City of Ann Arbor  
Owner Address: PO Box 8647 100 N Fifth Ave  
Owner City,St,Zip: Ann Arbor, MI 48107  
Owner Contact: Not reported  
Owner Phone: (734) 794-6000  
Country: USA  
District: Jackson District Office  
Site Name: Parks & Recreation Bldg  
Latitude: 42.28043  
Longitude: -83.75225  
Date of Collection: 01/11/2001  
Method of Collection: Address Matching-House Number  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Data: NAD83  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
  
Leak Number: C-0371-92  
Release Date: 03/06/1992

**Actual:  
809 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PARKS & RECREATION BLDG (Continued)**

**U000266403**

Substance Released: Gasoline  
Release Status: Open  
Release Closed Date: Not reported

Leak Number: C-0549-89  
Release Date: 09/19/1989  
Substance Released: Not reported  
Release Status: Open  
Release Closed Date: Not reported

Leak Number: C-1222-89  
Release Date: 12/20/1989  
Substance Released: Not reported  
Release Status: Open  
Release Closed Date: Not reported

UST:

Facility ID: 00008428  
Facility Type: CLOSED  
Latitude: 42.28043  
Longitude: -83.75225  
Owner Name: CITY OF ANN ARBOR  
Owner Address: PO BOX 8647 100 N FIFTH AVE  
Owner City,St,Zip: ANN ARBOR, MI 48107  
Owner Country: USA  
Owner Contact: Not reported  
Owner Phone: (734) 794-6000  
Contact: DANIEL J. CULLEN  
Contact Phone: (734) 994-6696  
Date of Collection: 01/11/2001  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number

Tank ID: 1  
**Tank Status: Removed from Ground**  
Capacity: 6000  
Install Date: 04/02/1982  
Product: Gasoline  
Remove Date: 02/19/1993  
Tank Release Detection: Not reported  
Pipe Release Detection: Not reported  
Piping Material: Bare Steel,Galvanized Steel  
Piping Type: Suction: No Valve At Tank  
Construction Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 2  
**Tank Status: Removed from Ground**  
Capacity: 6000  
Install Date: 04/02/1982  
Product: Gasoline  
Remove Date: 02/19/1993

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PARKS & RECREATION BLDG (Continued)**

**U000266403**

Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Suction: No Valve At Tank  
Construction Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 3  
**Tank Status: Removed from Ground**  
Capacity: 1000  
Install Date: 04/02/1982  
Product: Diesel  
Remove Date: 12/19/1989  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Construction Material: Asphalt Coated or Bare Steel  
Impressed Device: No

**D14**  
**SE**  
**1/4-1/2**  
**0.391 mi.**  
**2063 ft.**

**396-424 W. WASHINGTON/ANNARBOR YMCA**  
**396-424 W. WASHINGTON ST.**  
**ANN ARBOR, MI 48103**  
**Site 2 of 2 in cluster D**

**SHWS S110126804**  
**N/A**

**Relative:**  
**Lower**  
  
**Actual:**  
**812 ft.**

SHWS:  
Facility ID: 81000555  
**Facility Status: Evaluation conducted**  
Source: Not reported  
SAM Score: 36  
SAM Score Date: 05/31/2005  
Township: 02S  
Range: 06E  
Section: 29  
Quarter: Not reported  
Quarter/Quarter: Not reported  
Pollutants: Not reported

**E15**  
**SE**  
**1/4-1/2**  
**0.395 mi.**  
**2086 ft.**

**ASHLEY TERRANCE DEVELOPMENT**  
**208 WEST HURON STREET**  
**ANN ARBOR, MI 48025**  
**Site 1 of 2 in cluster E**

**LUST U004051408**  
**UST N/A**

**Relative:**  
**Lower**  
  
**Actual:**  
**828 ft.**

LUST:  
Facility ID: 00041872  
Source: STATE OF MICHIGAN  
Owner Name: Ashley Terrace Holdings LLC  
Owner Address: 30600 Telegraph Rd Suite 4290  
Owner City, St, Zip: Bingham Farms, MI 48025  
Owner Contact: Not reported  
Owner Phone: (248) 203-6458  
Country: USA  
District: Jackson District Office

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASHLEY TERRANCE DEVELOPMENT (Continued)**

**U004051408**

Site Name: Ashley Terrance Development  
Latitude: 42.28161  
Longitude: -83.75020  
Date of Collection: 10/07/2006  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off  
Accuracy: 40  
Accuracy Value Unit: FEET  
Horizontal Data: NAD83  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)

Leak Number: C-0249-06  
Release Date: 07/24/2006  
Substance Released: Gasoline,Diesel  
Release Status: Closed  
Release Closed Date: 01/08/2008

**UST:**

Facility ID: 00041872  
Facility Type: CLOSED  
Latitude: 42.28161  
Longitude: -83.75020  
Owner Name: ASHLEY TERRACE HOLDINGS LLC  
Owner Address: 30600 TELEGRAPH RDSUITE 4290  
Owner City,St,Zip: BINGHAM FARMS, MI 48025  
Owner Country: USA  
Owner Contact: Not reported  
Owner Phone: (248) 203-6458  
Contact: Jim Hehle  
Contact Phone: (248) 203-6458  
Date of Collection: 10/07/2006  
Accuracy: 40  
Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1  
**Tank Status:** **Removed from Ground**  
Capacity: 1000  
Install Date: Not reported  
Product: Gasoline  
Remove Date: 07/12/2006  
Tank Release Detection: Not reported  
Pipe Release Detection: Not reported  
Piping Material: Unknown  
Piping Type: Not reported  
Construction Material: Unknown  
Impressed Device: No

Tank ID: 2  
**Tank Status:** **Removed from Ground**  
Capacity: 650  
Install Date: Not reported  
Product: Gasoline



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASHLEY TERRANCE DEVELOPMENT (Continued)**

**U004051408**

Remove Date: 07/12/2006  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Unknown  
Piping Type: Not reported  
Construction Material: Asphalt Coated or Bare Steel  
Impressed Device: No

**E16**  
**SE**  
**1/4-1/2**  
**0.395 mi.**  
**2086 ft.**

**204 W HURON**  
**ANN ARBOR CITY, MI 48104**

**BEA S107466504**  
**N/A**

**Site 2 of 2 in cluster E**

**Relative:**  
**Lower**

**BEA:**  
Secondary Address: Not reported  
BEA Number: 669  
District: Jackson  
Date Received: 11/22/2005  
Submitter Name: Ashley Terrace Holdings LLC  
Petition Determination: Affirmed  
Petition Disclosure: 1  
Category: No Hazardous Substance(s)  
Determination 20107A: No Request  
Reviewer: katkov  
Division Assigned: Environmental Response Division

**Actual:**  
**828 ft.**

Secondary Address: Not reported  
BEA Number: 670  
District: Jackson  
Date Received: 11/22/2005  
Submitter Name: Ashley Terrace Condominiums LLC  
Petition Determination: Affirmed  
Petition Disclosure: 1  
Category: No Hazardous Substance(s)  
Determination 20107A: No Request  
Reviewer: katkov  
Division Assigned: Environmental Response Division

**17**  
**East**  
**1/4-1/2**  
**0.407 mi.**  
**2148 ft.**

**BEAKES STREET SERVICE STATION**  
**101 BEAKES ST**  
**ANN ARBOR, MI 48107**

**LUST U000266122**  
**UST N/A**

**Relative:**  
**Lower**

**LUST:**  
Facility ID: 00010245  
Source: STATE OF MICHIGAN  
Owner Name: City of Ann Arbor  
Owner Address: PO Box 8647 100 N Fifth Ave  
Owner City,St,Zip: Ann Arbor, MI 48107  
Owner Contact: Not reported  
Owner Phone: (734) 794-6000  
Country: USA  
District: Jackson District Office  
Site Name: Beakes St

**Actual:**  
**813 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEAKES STREET SERVICE STATION (Continued)**

**U000266122**

Latitude: 42.28506  
Longitude: -83.74831  
Date of Collection: 01/11/2001  
Method of Collection: Address Matching-House Number  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Data: NAD83  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)

Leak Number: C-0587-89  
Release Date: 09/27/1989  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 08/23/1994

UST:

Facility ID: 00010245  
Facility Type: CLOSED  
Latitude: 42.28506  
Longitude: -83.74831  
Owner Name: CITY OF ANN ARBOR  
Owner Address: PO BOX 8647 100 N FIFTH AVE  
Owner City,St,Zip: ANN ARBOR, MI 48107  
Owner Country: USA  
Owner Contact: Not reported  
Owner Phone: (734) 794-6000  
Contact: DANIEL J. CULLEN  
Contact Phone: (734) 994-6696  
Date of Collection: 01/11/2001  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number

Tank ID: 1  
**Tank Status: Removed from Ground**  
Capacity: 2000  
Install Date: 04/11/1956  
Product: Gasoline  
Remove Date: 09/27/1989  
Tank Release Detection: Not reported  
Pipe Release Detection: Not reported  
Piping Material: Unknown  
Piping Type: Not reported  
Construction Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 2  
**Tank Status: Removed from Ground**  
Capacity: 4000  
Install Date: 04/11/1956  
Product: Gasoline  
Remove Date: 09/27/1989

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEAKES STREET SERVICE STATION (Continued)**

**U000266122**

Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Unknown  
Piping Type: Not reported  
Construction Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 3  
**Tank Status: Removed from Ground**  
Capacity: 3000  
Install Date: 04/11/1956  
Product: Gasoline  
Remove Date: 09/27/1989  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Unknown  
Piping Type: Not reported  
Construction Material: Unknown  
Impressed Device: No

Tank ID: 4  
**Tank Status: Removed from Ground**  
Capacity: 500  
Install Date: 04/11/1956  
Product: FUEL OIL  
Remove Date: 09/27/1989  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Unknown  
Piping Type: Not reported  
Construction Material: Unknown  
Impressed Device: No

Tank ID: 5  
**Tank Status: Removed from Ground**  
Capacity: 2000  
Install Date: 04/11/1956  
Product: Used Oil  
Remove Date: 09/27/1989  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Unknown  
Piping Type: Not reported  
Construction Material: Unknown  
Impressed Device: No

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**18**  
**SE**  
**1/4-1/2**  
**0.424 mi.**  
**2237 ft.**

**ANN ARBOR IMPLEMENT CO**  
**210 S 1ST ST**  
**ANN ARBOR, MI 48104**

**LUST** **U000715216**  
**UST** **N/A**  
**WDS**

**Relative:**  
**Lower**

LUST:

Facility ID: 00035555  
Source: STATE OF MICHIGAN  
Owner Name: Ann Arbor Implement Co  
Owner Address: 3614 Windwheel Pt  
Owner City,St,Zip: Pinckney, MI 48169-8437  
Owner Contact: Not reported  
Owner Phone: (734) 663-2495  
Country: USA  
District: Jackson District Office  
Site Name: Ann Arbor Implement  
Latitude: 42.28031  
Longitude: -83.75120  
Date of Collection: 01/11/2001  
Method of Collection: Address Matching-House Number  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Data: NAD83  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)

**Actual:**  
**821 ft.**

Leak Number: C-0744-93  
Release Date: 06/11/1993  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 10/06/1993

UST:

Facility ID: 00035555  
Facility Type: CLOSED  
Latitude: 42.28031  
Longitude: -83.75120  
Owner Name: ANN ARBOR IMPLEMENT CO  
Owner Address: 3614 WINDWHEEL PT  
Owner City,St,Zip: PINCKNEY, MI 48169-8437  
Owner Country: USA  
Owner Contact: Not reported  
Owner Phone: (734) 663-2495  
Contact: PAUL E. LOHR  
Contact Phone: (734) 663-2495  
Date of Collection: 01/11/2001  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number

Tank ID: 1  
**Tank Status: Removed from Ground**  
Capacity: 1000  
Install Date: 01/01/1976  
Product: Gasoline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ANN ARBOR IMPLEMENT CO (Continued)**

**U000715216**

Remove Date: 06/11/1993  
Tank Release Detection: Not reported  
Pipe Release Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Suction: Valve at Tank  
Construction Material: Asphalt Coated or Bare Steel  
Impressed Device: No

WDS:

Site Id: MIG000040501  
WMD Id: 417046  
Site Specific Name: ANN ARBOR IMPLEMENT  
Mailing Address: 210 S 1ST ST  
Mailing City/State/Zip: 48104  
Mailing County: WASHTENAW

**19**  
**ESE**  
**1/4-1/2**  
**0.424 mi.**  
**2237 ft.**

**UNIVERSITY FUEL MART**  
**300 N MAIN ST**  
**ANN ARBOR, MI 48104**

**LUST U003866613**  
**UST N/A**  
**WDS**

**Relative:**  
**Lower**

LUST:

Facility ID: 00005725  
Source: STATE OF MICHIGAN  
Owner Name: Baydoun Ann Arbor LLC  
Owner Address: 300 N Main St  
Owner City,St,Zip: Ann Arbor, MI 48104  
Owner Contact: Not reported  
Owner Phone: 734-747-8210  
Country: USA  
District: Jackson District Office  
Site Name: Amoco Station #5172  
Latitude: 42.28339  
Longitude: -83.74827  
Date of Collection: 01/11/2001  
Method of Collection: Address Matching-House Number  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Data: NAD83  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)

**Actual:**  
**824 ft.**

Leak Number: C-0372-92  
Release Date: 03/03/1992  
Substance Released: Gasoline  
Release Status: Closed  
Release Closed Date: 10/10/1996

UST:

Facility ID: 00005725  
Facility Type: ACTIVE  
Latitude: 42.28339  
Longitude: -83.74827  
Owner Name: BAYDOUN ANN ARBOR LLC  
Owner Address: 300 N MAIN ST  
Owner City,St,Zip: ANN ARBOR, MI 48104  
Owner Country: USA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNIVERSITY FUEL MART (Continued)**

**U003866613**

Owner Contact: Not reported  
Owner Phone: 734-747-8210  
Contact: Abdouh Baydoun  
Contact Phone: 313-747-8210  
Date of Collection: 01/11/2001  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number

Tank ID: 1  
**Tank Status: Removed from Ground**  
Capacity: 6000  
Install Date: 04/28/1958  
Product: Gasoline  
Remove Date: 11/01/1988  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Construction Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel,Lined Interior  
Impressed Device: No

Tank ID: 2  
**Tank Status: Removed from Ground**  
Capacity: 6000  
Install Date: 04/28/1962  
Product: Gasoline  
Remove Date: 05/24/2003  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Flexible Piping, Enviroflex  
Piping Type: Pressure  
Construction Material: Cathodically Protected Steel, Lined Interior  
Impressed Device: Yes

Tank ID: 3  
**Tank Status: Removed from Ground**  
Capacity: 8000  
Install Date: 04/28/1984  
Product: Gasoline  
Remove Date: 05/24/2003  
Tank Release Detection: Automatic Tank Gauging  
Pipe Realease Detection: Automatic Line Leak Detectors  
Piping Material: Flexible Piping  
Piping Type: Pressure  
Construction Material: Cathodically Protected Steel, Lined Interior  
Impressed Device: Yes

Tank ID: 4

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNIVERSITY FUEL MART (Continued)**

**U003866613**

**Tank Status:** Removed from Ground  
Capacity: 10000  
Install Date: 04/28/1970  
Product: Gasoline  
Remove Date: 05/23/2003  
Tank Release Detection: Automatic Tank Gauging  
Pipe Realease Detection: Automatic Line Leak Detectors  
Piping Material: Flexible Piping  
Piping Type: Pressure  
Construction Material: Cathodically Protected Steel, Lined Interior  
Impressed Device: Yes

Tank ID: 5  
**Tank Status:** Currently In Use  
Capacity: 12000  
Install Date: 05/30/2003  
Product: Gasoline  
Remove Date: Not reported  
Tank Release Detection: Automatic Tank Gauging, Inter Monitoring Double Walled Tank, Tank Tightness Testing  
Pipe Realease Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled Piping  
Piping Material: Double Walled  
Piping Type: Pressure  
Construction Material: Double Walled, Fiberglass Reinforced plastic  
Impressed Device: No

Tank ID: 6  
**Tank Status:** Currently In Use  
Capacity: 6000  
Install Date: 05/30/2003  
Product: Gasoline  
Remove Date: Not reported  
Tank Release Detection: Automatic Tank Gauging, Inter Monitoring Double Walled Tank, Tank Tightness Testing  
Pipe Realease Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled Piping  
Piping Material: Double Walled  
Piping Type: Pressure  
Construction Material: Double Walled, Fiberglass Reinforced plastic  
Impressed Device: No

**WDS:**

Site Id: MID985607571  
WMD Id: 404649  
Site Specific Name: AMOCO OIL CO 5172  
Mailing Address: P O BOX 352917  
Mailing City/State/Zip: 43635  
Mailing County: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

20  
NE  
1/4-1/2  
0.456 mi.  
2406 ft.

815 WILDT ST  
815 WILDT ST.  
ANN ARBOR, MI 48103

SHWS  
BEA  
WDS  
S105768029  
N/A

Relative:  
Lower

SHWS:  
Facility ID: 81000560  
**Facility Status: Evaluation conducted**  
Source: Not reported  
SAM Score: 29  
SAM Score Date: 06/02/2005  
Township: 02S  
Range: 06E  
Section: 20  
Quarter: Not reported  
Quarter/Quarter: Not reported  
Pollutants: Not reported

Actual:  
804 ft.

BEA:  
Secondary Address: Ann Arbor, MI  
BEA Number: 295  
District: Jackson  
Date Received: 06/07/2001  
Submitter Name: Wildt LLC  
Petition Determination: Affirmed  
Petition Disclosure: 1  
Category: No Hazardous Substance(s)  
Determination 20107A: No Request  
Reviewer: lipinski  
Division Assigned: Environmental Response Division

WDS:  
Site Id: MIG000004678  
WMD Id: 458532  
Site Specific Name: ANN ARBOR BEARING & MFG CO  
Mailing Address: 815 WILDT ST  
Mailing City/State/Zip: 48103  
Mailing County: WASHTENAW

F21  
SE  
1/4-1/2  
0.462 mi.  
2441 ft.

BUDGET RENT A CAR  
200 S ASHLEY ST  
ANN ARBOR, MI 48104

BEA  
WDS  
S108414364  
N/A

Site 1 of 3 in cluster F

Relative:  
Lower

BEA:  
Secondary Address: Not reported  
BEA Number: 803  
District: Jackson  
Date Received: 03/01/2007  
Submitter Name: Tierra Equities  
Petition Determination: Affirmed  
Petition Disclosure: 1  
Category: No Hazardous Substance(s)  
Determination 20107A: Affirmed  
Reviewer: katkov  
Division Assigned: Environmental Response Division

Actual:  
833 ft.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BUDGET RENT A CAR (Continued)**

**S108414364**

WDS:

Site Id: MIG000019366  
WMD Id: 453592  
Site Specific Name: BUDGET RENT A CAR  
Mailing Address: 200 S ASHLEY ST  
Mailing City/State/Zip: 48104  
Mailing County: WASHTENAW

F22  
SE  
1/4-1/2  
0.462 mi.  
2441 ft.

**200 SOUTH ASHLEY STREET**  
**200 SOUTH ASHLEY STREET**  
**ANN ARBOR, MI 48104**

**US BROWNFIELDS** **1009828827**  
**N/A**

**Site 2 of 3 in cluster F**

**Relative:**  
**Lower**

US BROWNFIELDS:

Recipient name: Washtenaw County  
Grant type: Assessment  
Property name: 200 SOUTH ASHLEY STREET  
Property #: 09-09-29-146-006  
Parcel size: 0.1  
Property Description: Main use as a gasoline station and car rental business  
Latitude: 42.28064  
Longitude: -83.74931  
HCM label: Address Matching-House Number  
Map scale: 1:24,000  
Point of reference: Center of a Facility or Station  
Datum: North American Datum of 1983  
ACRES property ID: 21901  
Start date: Not reported  
Completed date: Not reported  
Acres cleaned up: Not reported  
Cleanup funding: Not reported  
Cleanup funding source: Not reported  
Assessment funding: 1500  
Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement  
Redevelopment funding: Not reported  
Redev. funding source: Not reported  
Redev. funding entity name: Not reported  
Redevelopment start date: Not reported  
Assessment funding entity: EPA  
Cleanup funding entity: Not reported  
Grant type: P  
Accomplishment type: Phase I Environmental Assessment  
Accomplishment count: 1  
Cooperative agreement #: 96583901  
Ownership entity: Private  
Current owner: Gui Ponce de Leon  
Did owner change: N  
Cleanup required: Yes  
Video available: No  
Photo available: Yes  
Institutional controls required: U  
IC Category proprietary controls: Not reported  
IC cat. info. devices: Not reported  
IC cat. gov. controls: Not reported  
IC cat. enforcement permit tools: Not reported  
IC in place date: Not reported

**Actual:**  
**833 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**200 SOUTH ASHLEY STREET (Continued)**

**1009828827**

IC in place:	Unknown
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
Unknown found:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	0.1
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Recipient name:	Washtenaw County
Grant type:	Assessment
Property name:	200 SOUTH ASHLEY STREET
Property #:	09-09-29-146-006
Parcel size:	0.1
Property Description:	Main use as a gasoline station and car rental business
Latitude:	42.28064

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**200 SOUTH ASHLEY STREET (Continued)**

**1009828827**

Longitude: -83.74931  
HCM label: Address Matching-House Number  
Map scale: 1:24,000  
Point of reference: Center of a Facility or Station  
Datum: North American Datum of 1983  
ACRES property ID: 21901  
Start date: Not reported  
Completed date: Not reported  
Acres cleaned up: Not reported  
Cleanup funding: Not reported  
Cleanup funding source: Not reported  
Assessment funding: 5650  
Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement  
Redevelopment funding: Not reported  
Redev. funding source: Not reported  
Redev. funding entity name: Not reported  
Redevelopment start date: Not reported  
Assessment funding entity: EPA  
Cleanup funding entity: Not reported  
Grant type: P  
Accomplishment type: Phase II Environmental Assessment  
Accomplishment count: 0  
Cooperative agreement #: 96583901  
Ownership entity: Private  
Current owner: Gui Ponce de Leon  
Did owner change: N  
Cleanup required: Yes  
Video available: No  
Photo available: Yes  
Institutional controls required: U  
IC Category proprietary controls: Not reported  
IC cat. info. devices: Not reported  
IC cat. gov. controls: Not reported  
IC cat. enforcement permit tools: Not reported  
IC in place date: Not reported  
IC in place: Unknown  
State/tribal program date: Not reported  
State/tribal program ID: Not reported  
State/tribal NFA date: Not reported  
Air contaminated: Not reported  
Air cleaned: Not reported  
Asbestos found: Not reported  
Asbestos cleaned: Not reported  
Controlled substance found: Not reported  
Controlled substance cleaned: Not reported  
Drinking water affected: Not reported  
Drinking water cleaned: Not reported  
Groundwater affected: Not reported  
Groundwater cleaned: Not reported  
Lead contaminant found: Not reported  
Lead cleaned up: Not reported  
No media affected: Not reported  
Unknown media affected: Not reported  
Other cleaned up: Not reported  
Other metals found: Not reported  
Other metals cleaned: Not reported  
Other contaminants found: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**200 SOUTH ASHLEY STREET (Continued)**

**1009828827**

Other contams found description: Not reported  
PAHs found: Not reported  
PAHs cleaned up: Not reported  
PCBs found: Not reported  
PCBs cleaned up: Not reported  
Petro products found: Y  
Petro products cleaned: Y  
Sediments found: Not reported  
Sediments cleaned: Not reported  
Soil affected: Y  
Soil cleaned up: Y  
Surface water cleaned: Not reported  
Unknown found: Not reported  
VOCs found: Not reported  
VOCs cleaned: Not reported  
Cleanup other description: Not reported  
Num. of cleanup and re-dev. jobs: Not reported  
Past use greenspace acreage: Not reported  
Past use residential acreage: Not reported  
Past use commercial acreage: 0.1  
Past use industrial acreage: Not reported  
Future use greenspace acreage: Not reported  
Future use residential acreage: Not reported  
Future use commercial acreage: Not reported  
Future use industrial acreage: Not reported  
Greenspace acreage and type: Not reported  
Superfund Fed. landowner flag: Not reported

**F23**  
**SE**  
**1/4-1/2**  
**0.462 mi.**  
**2441 ft.**

**BUDGET RENT A CAR**  
**200 S ASHLEY ST**  
**ANN ARBOR, MI 48104**  
**Site 3 of 3 in cluster F**

**LUST** **U001148628**  
**UST** **N/A**

**Relative:**  
**Lower**

**LUST:**

Facility ID: 00037272  
Source: STATE OF MICHIGAN  
Owner Name: Budget Rent A Car System Inc  
Owner Address: 4225 Naperville Rd  
Owner City,St,Zip: Lisle, IL 60532  
Owner Contact: Not reported  
Owner Phone: (630) 955-7203  
Country: USA  
District: Jackson District Office  
Site Name: Budget Rent-a-car  
Latitude: 42.28033  
Longitude: -83.75003  
Date of Collection: 01/11/2001  
Method of Collection: Address Matching-House Number  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Data: NAD83  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
  
Leak Number: C-0508-93  
Release Date: 04/28/1993  
Substance Released: Gasoline

**Actual:**  
**833 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BUDGET RENT A CAR (Continued)**

**U001148628**

Release Status: Closed  
Release Closed Date: 08/05/1993

UST:

Facility ID: 00037272  
Facility Type: CLOSED  
Latitude: 42.28033  
Longitude: -83.75003  
Owner Name: BUDGET RENT A CAR SYSTEM INC  
Owner Address: 4225 NAPERVILLE RD  
Owner City,St,Zip: LISLE, IL 60532  
Owner Country: USA  
Owner Contact: Not reported  
Owner Phone: (630) 955-7203  
Contact: DAVID MCDONALD  
Contact Phone: (734) 941-8198  
Date of Collection: 01/11/2001  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number

Tank ID: 1  
**Tank Status: Removed from Ground**  
Capacity: 6000  
Install Date: 04/01/1988  
Product: Gasoline,8  
Remove Date: 04/28/1993  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Pressure  
Construction Material: Double Walled,Fiberglass Reinforced plastic  
Impressed Device: No

24  
ENE  
1/4-1/2  
0.466 mi.  
2463 ft.

**CITY GARAGE**  
**721 N MAIN ST**  
**ANN ARBOR, MI 48104**

**LUST U000266500**  
**UST N/A**  
**AST**  
**AIRS**  
**WDS**

**Relative:**  
**Lower**

LUST:

**Actual:**  
**790 ft.**

Facility ID: 00008427  
Source: STATE OF MICHIGAN  
Owner Name: City of Ann Arbor  
Owner Address: PO Box 8647 100 N Fifth Ave  
Owner City,St,Zip: Ann Arbor, MI 48107  
Owner Contact: Not reported  
Owner Phone: (734) 794-6000  
Country: USA  
District: Jackson District Office  
Site Name: City Of Ann Arbor Garage  
Latitude: 42.28769  
Longitude: -83.74794  
Date of Collection: 01/11/2001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY GARAGE (Continued)**

**U000266500**

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

Leak Number: C-0753-95  
Release Date: 06/16/1995  
Substance Released: Diesel  
Release Status: Closed  
Release Closed Date: 01/05/2000

Leak Number: C-1129-89  
Release Date: 12/15/1989  
Substance Released: Not reported  
Release Status: Closed  
Release Closed Date: 01/05/2000

Leak Number: C-2246-91  
Release Date: 10/23/1991  
Substance Released: Unknown  
Release Status: Closed  
Release Closed Date: 01/05/2000

**UST:**

Facility ID: 00008427  
Facility Type: CLOSED  
Latitude: 42.28769  
Longitude: -83.74794  
Owner Name: CITY OF ANN ARBOR  
Owner Address: PO BOX 8647 100 N FIFTH AVE  
Owner City,St,Zip: ANN ARBOR, MI 48107  
Owner Country: USA  
Owner Contact: Not reported  
Owner Phone: (734) 794-6000  
Contact: SANDRA M KENZIE  
Contact Phone: (734) 994-2744  
Date of Collection: 01/11/2001  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number

Tank ID: 1  
**Tank Status: Removed from Ground**  
Capacity: 500  
Install Date: 04/03/1971  
Product: Used Oil  
Remove Date: 09/15/1991  
Tank Release Detection: Not reported  
Pipe Release Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Construction Material: Asphalt Coated or Bare Steel

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY GARAGE (Continued)

U000266500

Impressed Device: No

Tank ID: 2  
**Tank Status: Removed from Ground**  
Capacity: 2000  
Install Date: 04/02/1978  
Product: Diesel  
Remove Date: 12/14/1989  
Tank Release Detection: Not reported  
Pipe Release Detection: Not reported  
Piping Material: Galvanized Steel  
Piping Type: Not reported  
Construction Material: Asphalt Coated or Bare Steel  
Impressed Device: No

Tank ID: 3  
**Tank Status: Closed in Ground**  
Capacity: Not reported  
Install Date: Not reported  
Product: UNK  
Remove Date: 06/16/1995  
Tank Release Detection: Not reported  
Pipe Release Detection: Not reported  
Piping Material: Unknown  
Piping Type: Not reported  
Construction Material: Unknown  
Impressed Device: No

AST:

Facility ID: 93084015  
Facility Phone: (313) 577-7224  
Type: ACTIVE  
Owner Name: CITY OF ANN ARBOR DPW  
Owner Address: 721 N MAIN ST  
Owner City,St,Zip: ANN ARBOR, MI 48226  
Owner County: USA  
Owner Contact: James Rachwal  
Owner Telephone: (313) 235-6524  
District: Jackson District Office  
Contact: Robert Bacylinski  
Latitude: 42.288410  
Longitude: -83.748930  
Date of Collection: 04/24/2002  
Accuracy: 10 METERS  
Horizontal Datum: NAD83

Facility ID: 93084015  
Facility Phone: (313) 577-7224  
Type: ACTIVE  
Owner Name: CITY OF ANN ARBOR DPW  
Owner Address: 721 N MAIN ST  
Owner City,St,Zip: ANN ARBOR, MI 48226  
Owner County: USA  
Owner Contact: James Rachwal  
Owner Telephone: (313) 235-6524

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY GARAGE (Continued)**

**U000266500**

District: Jackson District Office  
Contact: Robert Bacylinski  
Latitude: 42.288410  
Longitude: -83.748930  
Date of Collection: 04/24/2002  
Accuracy: 10 METERS  
Horizontal Datum: NAD83

Facility ID: 91081031  
Facility Phone: (734) 323-4158  
Type: CLOSED  
Owner Name: CITY OF ANN ARBOR  
Owner Address: 721 N MAIN ST  
Owner City,St,Zip: ANN ARBOR, MI 48107  
Owner County: USA  
Owner Contact: Not reported  
Owner Telephone: (734) 323-4158  
District: Jackson District Office  
Contact: Dennis L Crum  
Latitude: 42.288088  
Longitude: -83.748458  
Date of Collection: 10/21/2003  
Accuracy: 100 FEET  
Horizontal Datum: NAD83

Facility ID: 91081031  
Facility Phone: (734) 323-4158  
Type: CLOSED  
Owner Name: CITY OF ANN ARBOR  
Owner Address: 721 N MAIN ST  
Owner City,St,Zip: ANN ARBOR, MI 48107  
Owner County: USA  
Owner Contact: Not reported  
Owner Telephone: (734) 323-4158  
District: Jackson District Office  
Contact: Dennis L Crum  
Latitude: 42.288088  
Longitude: -83.748458  
Date of Collection: 10/21/2003  
Accuracy: 100 FEET  
Horizontal Datum: NAD83

**AIRS:**

El Year: 2012  
State Registration Number: N5977  
Naics Code: Not reported  
Contact Name: WILLIAM R. WHEELER  
Contact Phone: 313994-2744  
Contact Address: CITY OF ANN ARBOR  
Contact Address 2: PO BOX 8647  
Contact City,St,Zip: ANN ARBOR, MI 48107  
Permit Number: 392-96  
Date Received: 1996-08-09 00:00:00  
State Registration Number: N5977  
Country: Not reported  
Application Reason: REMEDIATION SYSTEM FOR SOIL CONTAM. W/ GASOL & F.O  
Record Type: Not reported



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CITY GARAGE (Continued)**

**U000266500**

State County FIPS:	Not reported
Facility Category:	Not reported
SIC Primary:	Not reported
Tribal Code:	Not reported
Supplemental Location Text:	Not reported
Dun & Brad Street Number:	Not reported
Business Name:	Not reported
Principal Product:	Not reported
Principal Product Description:	Not reported
UTM Zone (Geo Coordinates Universal Transverse Mercator System):	Not reported
UTM Horizontal Coord:	Not reported
UTM Vertical Coord:	Not reported
Mailing Name:	Not reported
Mailing Contact Person:	Not reported
Mailing Street:	Not reported
Mailing City:	Not reported
Mailing State:	Not reported
Mailing Zip:	Not reported
Mailing Zip 4 Extension:	Not reported
Compliance Person:	Not reported
Compliance Area Code:	Not reported
Compliance Phone Number:	Not reported
Emission Inventory Contact Person:	Not reported
EI Contact Area Code:	Not reported
EI Contact Phone Number:	Not reported
Permit Contact Person:	Not reported
Permit Contact Person Area Code:	Not reported
Permit Contact Person Phone Number:	Not reported
Federal Employer Id Number:	Not reported
# Of Employees:	Not reported
Reporting Year:	Not reported
Date Record Was Created:	Not reported

**WDS:**

Site Id:	MID981795701
WMD Id:	400281
Site Specific Name:	CITY OF ANN ARBOR MUNICIPAL GARAGE
Mailing Address:	721 N MAIN ST
Mailing City/State/Zip:	48104
Mailing County:	WASHTENAW

**G25**  
**SE**  
 1/4-1/2  
 0.494 mi.  
 2607 ft.

**226 WEST LIBERTY**  
**226 WEST LIBERTY**  
**ANN ARBOR, MI 48104**  
**Site 1 of 3 in cluster G**

**US BROWNFIELDS**    **1009806364**  
**N/A**

**Relative:**  
**Lower**

US BROWNFIELDS:	
Recipient name:	Washtenaw County
Grant type:	Assessment
Property name:	226 WEST LIBERTY
Property #:	09-09-29-224-002
Parcel size:	0.2
Property Description:	Mainly an Auto Repair and Body Shop
Latitude:	42.2799
Longitude:	-83.75088
HCM label:	Not reported

**Actual:**  
**827 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**226 WEST LIBERTY (Continued)**

**1009806364**

Map scale: Not reported  
Point of reference: Not reported  
Datum: North American Datum of 1983  
ACRES property ID: 37481  
Start date: Not reported  
Completed date: Not reported  
Acres cleaned up: Not reported  
Cleanup funding: Not reported  
Cleanup funding source: Not reported  
Assessment funding: 6275  
Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement  
Redevelopment funding: Not reported  
Redev. funding source: Not reported  
Redev. funding entity name: Not reported  
Redevelopment start date: Not reported  
Assessment funding entity: Not reported  
Cleanup funding entity: Not reported  
Grant type: P  
Accomplishment type: Phase II Environmental Assessment  
Accomplishment count: 0  
Cooperative agreement #: 96583901  
Ownership entity: Private  
Current owner: Dr. Gui Ponce de Leon  
Did owner change: N  
Cleanup required: Yes  
Video available: No  
Photo available: Yes  
Institutional controls required: N  
IC Category proprietary controls: Not reported  
IC cat. info. devices: Not reported  
IC cat. gov. controls: Not reported  
IC cat. enforcement permit tools: Not reported  
IC in place date: Not reported  
IC in place: No  
State/tribal program date: Not reported  
State/tribal program ID: Not reported  
State/tribal NFA date: Not reported  
Air contaminated: Not reported  
Air cleaned: Not reported  
Asbestos found: Not reported  
Asbestos cleaned: Not reported  
Controlled substance found: Not reported  
Controlled substance cleaned: Not reported  
Drinking water affected: Not reported  
Drinking water cleaned: Not reported  
Groundwater affected: Not reported  
Groundwater cleaned: Not reported  
Lead contaminant found: Y  
Lead cleaned up: Not reported  
No media affected: Not reported  
Unknown media affected: Not reported  
Other cleaned up: Not reported  
Other metals found: Not reported  
Other metals cleaned: Not reported  
Other contaminants found: Not reported  
Other contams found description: Not reported  
PAHs found: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**226 WEST LIBERTY (Continued)**

**1009806364**

PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
Unknown found:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	0.2
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	0.2
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Recipient name:	Washtenaw County
Grant type:	Assessment
Property name:	226 WEST LIBERTY
Property #:	09-09-29-224-002
Parcel size:	0.2
Property Description:	Mainly an Auto Repair and Body Shop
Latitude:	42.2799
Longitude:	-83.75088
HCM label:	Not reported
Map scale:	Not reported
Point of reference:	Not reported
Datum:	North American Datum of 1983
ACRES property ID:	37481
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	5525
Assessment funding source:	Private/Other Funding
Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	PMA Consultants, LLC
Cleanup funding entity:	Not reported
Grant type:	P
Accomplishment type:	Phase II Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	96583901
Ownership entity:	Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**226 WEST LIBERTY (Continued)**

**1009806364**

Current owner:	Dr. Gui Ponce de Leon
Did owner change:	N
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	No
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contaminants found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
Unknown found:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	0.2
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	0.2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**226 WEST LIBERTY (Continued)**

**1009806364**

Future use industrial acreage: Not reported  
Greenspace acreage and type: Not reported  
Superfund Fed. landowner flag: Not reported

Recipient name: Washtenaw County  
Grant type: Assessment  
Property name: 226 WEST LIBERTY  
Property #: 09-09-29-224-002  
Parcel size: 0.2  
Property Description: Mainly an Auto Repair and Body Shop  
Latitude: 42.2799  
Longitude: -83.75088  
HCM label: Not reported  
Map scale: Not reported  
Point of reference: Not reported  
Datum: North American Datum of 1983  
ACRES property ID: 37481  
Start date: Not reported  
Completed date: Not reported  
Acres cleaned up: Not reported  
Cleanup funding: Not reported  
Cleanup funding source: Not reported  
Assessment funding: 1500  
Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement  
Redevelopment funding: Not reported  
Redev. funding source: Not reported  
Redev. funding entity name: Not reported  
Redevelopment start date: Not reported  
Assessment funding entity: Not reported  
Cleanup funding entity: Not reported  
Grant type: P  
Accomplishment type: Phase I Environmental Assessment  
Accomplishment count: 1  
Cooperative agreement #: 96583901  
Ownership entity: Private  
Current owner: Dr. Gui Ponce de Leon  
Did owner change: N  
Cleanup required: Yes  
Video available: No  
Photo available: Yes  
Institutional controls required: N  
IC Category proprietary controls: Not reported  
IC cat. info. devices: Not reported  
IC cat. gov. controls: Not reported  
IC cat. enforcement permit tools: Not reported  
IC in place date: Not reported  
IC in place: No  
State/tribal program date: Not reported  
State/tribal program ID: Not reported  
State/tribal NFA date: Not reported  
Air contaminated: Not reported  
Air cleaned: Not reported  
Asbestos found: Not reported  
Asbestos cleaned: Not reported  
Controlled substance found: Not reported  
Controlled substance cleaned: Not reported  
Drinking water affected: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**226 WEST LIBERTY (Continued)**

**1009806364**

Drinking water cleaned: Not reported  
 Groundwater affected: Not reported  
 Groundwater cleaned: Not reported  
 Lead contaminant found: Y  
 Lead cleaned up: Not reported  
 No media affected: Not reported  
 Unknown media affected: Not reported  
 Other cleaned up: Not reported  
 Other metals found: Not reported  
 Other metals cleaned: Not reported  
 Other contaminants found: Not reported  
 Other contams found description: Not reported  
 PAHs found: Not reported  
 PAHs cleaned up: Not reported  
 PCBs found: Not reported  
 PCBs cleaned up: Not reported  
 Petro products found: Not reported  
 Petro products cleaned: Not reported  
 Sediments found: Not reported  
 Sediments cleaned: Not reported  
 Soil affected: Not reported  
 Soil cleaned up: Not reported  
 Surface water cleaned: Not reported  
 Unknown found: Not reported  
 VOCs found: Not reported  
 VOCs cleaned: Not reported  
 Cleanup other description: Not reported  
 Num. of cleanup and re-dev. jobs: Not reported  
 Past use greenspace acreage: Not reported  
 Past use residential acreage: Not reported  
 Past use commercial acreage: 0.2  
 Past use industrial acreage: Not reported  
 Future use greenspace acreage: Not reported  
 Future use residential acreage: Not reported  
 Future use commercial acreage: 0.2  
 Future use industrial acreage: Not reported  
 Greenspace acreage and type: Not reported  
 Superfund Fed. landowner flag: Not reported

**G26  
 SE  
 1/4-1/2  
 0.498 mi.  
 2627 ft.**

**221 W LIBERTY ST  
 ANN ARBOR CITY, MI 48103**

**Site 2 of 3 in cluster G**

**BEA S106521766  
 N/A**

**Relative:  
 Lower**

BEA:  
 Secondary Address: Not reported  
 BEA Number: 564  
 District: Jackson  
 Date Received: 08/04/2004  
 Submitter Name: 221 West Liberty, L.L.C.  
 Petition Determination: Affirmed  
 Petition Disclosure: 1  
 Category: No Hazardous Substance(s)  
 Determination 20107A: Pending  
 Reviewer: englishc  
 Division Assigned: Storage Tank Division

**Actual:  
 827 ft.**

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**G27**      **LIBERTY STREET**  
**SE**        **221 W LIBERTY**  
**1/4-1/2**    **ANN ARBOR, MI 99999**  
**0.498 mi.**  
**2627 ft.**    **Site 3 of 3 in cluster G**

**LUST**    **S108986888**  
             **N/A**

**Relative:**      **LUST:**  
**Lower**            Facility ID:            50005381  
                         Source:                STATE OF MICHIGAN  
**Actual:**        Owner Name:         OWNER ADDRESS UNKNOWN  
**827 ft.**            Owner Address:      Not Recorded  
                         Owner City,St,Zip:   Not Recorded, XX 99999  
                         Owner Contact:      Not reported  
                         Owner Phone:        Not reported  
                         Country:              USA  
                         District:              Jackson District Office  
                         Site Name:            Liberty Street  
                         Latitude:              42.27939  
                         Longitude:            -83.75013  
                         Date of Collection:   Not reported  
                         Method of Collection: Interpolation-Map  
                         Accuracy:             15  
                         Accuracy Value Unit: METERS  
                         Horizontal Data:     NAD83  
                         Point Line Area:    POINT  
                         Desc Category:      Not reported  
  
                         Leak Number:        C-0534-04  
                         Release Date:        07/13/2004  
                         Substance Released: Not reported  
                         Release Status:      Open  
                         Release Closed Date: Not reported

**28**            **U OF M ARGUS BUILDING**  
**South**       **400 FOURTH ST**  
**1/2-1**        **ANN ARBOR, MI 48103**  
**0.509 mi.**  
**2689 ft.**

**SHWS**    **S109029760**  
             **N/A**

**Relative:**      **SHWS:**  
**Lower**            Facility ID:            81000105  
                         **Facility Status:**   **See Leaking Underground Storage Tank Site Database**  
**Actual:**        Source:                Not reported  
**824 ft.**            SAM Score:            37  
                         SAM Score Date:    11/01/2006  
                         Township:            02S  
                         Range:                06E  
                         Section:              29  
                         Quarter:              Not reported  
                         Quarter/Quarter:   Not reported  
                         Pollutants:           Not reported

MAP FINDINGS

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

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<b>29</b> <b>ENE</b> <b>1/2-1</b> <b>0.552 mi.</b> <b>2914 ft.</b>	<b>ALLEN CREEK DRAIN</b> <b>912 N MAIN ST</b> <b>ANN ARBOR, MI</b>	<b>SHWS</b> <b>WDS</b>	<b>S103086312</b> <b>N/A</b>
--	--	---------------------------	---------------------------------

<b>Relative:</b> <b>Lower</b>	<b>SHWS:</b> Facility ID: 81000094 <b>Facility Status: Interim Response in progress</b> Source: Not reported SAM Score: 28 SAM Score Date: 06/18/2004 Township: 02S Range: 06E Section: 20 Quarter: SE Quarter/Quarter: SE Pollutants: Benzene; Ethylbenzene; Toluene; Xylenes
----------------------------------	---

**Actual:**  
**782 ft.**

**WDS:**  
 Site Id: MIG000043698  
 WMD Id: 426688  
 Site Specific Name: SHEFFIELD PHARMACEUTICALS  
 Mailing Address: 912 N MAIN ST  
 Mailing City/State/Zip: 48104  
 Mailing County: WASHTENAW

<b>30</b> <b>SSE</b> <b>1/2-1</b> <b>0.572 mi.</b> <b>3021 ft.</b>	<b>EATON CORPORATION</b> <b>315 SOUTH FIRST STREET</b> <b>ANN ARBOR, MI 48103</b>	<b>SHWS</b>	<b>S108632632</b> <b>N/A</b>
--	---	-------------	---------------------------------

<b>Relative:</b> <b>Lower</b>	<b>SHWS:</b> Facility ID: 81000540 <b>Facility Status: Interim Response conducted</b> Source: Not reported SAM Score: 35 SAM Score Date: 03/27/2007 Township: 02S Range: 06E Section: 29 Quarter: Not reported Quarter/Quarter: Not reported Pollutants: Not reported
----------------------------------	--

**Actual:**  
**820 ft.**

<b>31</b> <b>SW</b> <b>1/2-1</b> <b>0.612 mi.</b> <b>3230 ft.</b>	<b>MONTGOMERY PUMPING STATION</b> <b>432 MONTGOMERY</b> <b>ANN ARBOR, MI 48107</b>	<b>DEL SHWS</b> <b>LUST</b> <b>UST</b> <b>WDS</b>	<b>U000266410</b> <b>N/A</b>
---	--	--	---------------------------------

<b>Relative:</b> <b>Higher</b>	<b>DELETED HWS:</b> Facility ID: 81000314 Status: Delisted - no longer meets criteria specified in rules
-----------------------------------	--

**Actual:**  
**859 ft.**

**LUST:**



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MONTGOMERY PUMPING STATION (Continued)**

**U000266410**

Facility ID: 00010243  
Source: STATE OF MICHIGAN  
Owner Name: City of Ann Arbor  
Owner Address: PO Box 8647 100 N Fifth Ave  
Owner City,St,Zip: Ann Arbor, MI 48107  
Owner Contact: Not reported  
Owner Phone: (734) 794-6000  
Country: USA  
District: Jackson District Office  
Site Name: Ann Arbor, Montgomery Pumping St  
Latitude: 42.27864  
Longitude: -83.76463  
Date of Collection: 01/11/2001  
Method of Collection: Address Matching-House Number  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Data: NAD83  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)

Leak Number: C-2234-91  
Release Date: 10/11/1991  
Substance Released: Unknown  
Release Status: Closed  
Release Closed Date: 08/20/1992

**UST:**

Facility ID: 00010243  
Facility Type: CLOSED  
Latitude: 42.27864  
Longitude: -83.76463  
Owner Name: CITY OF ANN ARBOR  
Owner Address: PO BOX 8647 100 N FIFTH AVE  
Owner City,St,Zip: ANN ARBOR, MI 48107  
Owner Country: USA  
Owner Contact: Not reported  
Owner Phone: (734) 794-6000  
Contact: DANIEL J. CULLEN  
Contact Phone: (734) 994-6696  
Date of Collection: 01/11/2001  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number

Tank ID: 1  
**Tank Status: Removed from Ground**  
Capacity: 5000  
Install Date: 03/17/1966  
Product: Diesel  
Remove Date: 09/15/1991  
Tank Release Detection: Not reported  
Pipe Release Detection: Not reported  
Piping Material: Bare Steel  
Piping Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MONTGOMERY PUMPING STATION (Continued)**

**U000266410**

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

WDS:

Site Id: MIG000029069  
WMD Id: 448371  
Site Specific Name: CITY OF ANN ARBOR  
Mailing Address: 432 MONTGOMERY AVE  
Mailing City/State/Zip: 48103  
Mailing County: WASHTENAW

32  
NE  
1/2-1  
0.696 mi.  
3675 ft.

**LANSKY SCRAPYARD**  
**1100 N MAIN**  
**ANN ARBOR, MI**

**SHWS S105144767**  
**WDS N/A**

Relative:  
Lower

SHWS:

Facility ID: 81000093  
**Facility Status: Interim Response in progress**  
Source: Not reported  
SAM Score: 24  
SAM Score Date: 06/18/2004  
Township: 02S  
Range: 06E  
Section: 20  
Quarter: SE  
Quarter/Quarter: NW  
Pollutants: PCB's; Diesel fuel; Metals; PNAs

Actual:  
794 ft.

WDS:

Site Id: MIG000041541  
WMD Id: 420748  
Site Specific Name: ANN ARBOR ART TRAIN  
Mailing Address: 1100 N MAIN ST  
Mailing City/State/Zip: 48104  
Mailing County: WASHTENAW

Site Id: MIG000022118  
WMD Id: 452117  
Site Specific Name: MCKINLEY FOUNDATION  
Mailing Address: 1100 N MAIN ST  
Mailing City/State/Zip: 48104  
Mailing County: WASHTENAW

33  
ENE  
1/2-1  
0.710 mi.  
3750 ft.

**CITY GAS WORKS**  
**BEAKES STREET**  
**ANN ARBOR, MI 48104**

**EDR MGP 1008408080**  
**N/A**

Relative:  
Lower

Manufactured Gas Plants:

Alternate Name: ANN ARBOR GAS CO. No additional information available

Actual:  
783 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

34  
ENE  
1/2-1  
0.766 mi.  
4044 ft.

**MICH CON BROADWAY ST  
841 BROADWAY STREET  
ANN ARBOR, MI 48105**

**SHWS S108417361  
BROWNFIELDS N/A  
WDS**

**Relative:  
Lower**

SHWS:  
Facility ID: 81000025  
**Facility Status: Interim Response in progress**  
Source: Petroleum & Coal Products  
SAM Score: 44  
SAM Score Date: 07/14/2004  
Township: 02S  
Range: 06E  
Section: 20  
Quarter: SW  
Quarter/Quarter: SE  
Pollutants: As; CN; Pb; Ni; Zn; Phthalates

**Actual:  
761 ft.**

**BROWNFIELD:**

Facility ID: Not reported  
Region: 1  
Status: Not reported  
Property Use: Not reported  
Use at Time of Listing: Not reported  
BEA: No  
Ernie Id Number: 81000025

**WDS:**

Site Id: MIR000019620  
WMD Id: 411146  
Site Specific Name: DTE ENERGY/MICHCON BROADWAY STATION  
Mailing Address: 1 ENERGY PLZ  
Mailing City/State/Zip: 48226  
Mailing County: WAYNE

Site Id: MIG000043564  
WMD Id: 441690  
Site Specific Name: WASHTENAW COUNTY DRAIN COMM  
Mailing Address: 841 BROADWAY ST  
Mailing City/State/Zip: 48105  
Mailing County: WASHTENAW

35  
NE  
1/2-1  
0.853 mi.  
4506 ft.

**1254 N. MAIN/ LOTUS ENGINEERING  
1254 NORTH MAIN STREET  
ANN ARBOR, MI 48197**

**SHWS S110126797  
N/A**

**Relative:  
Lower**

SHWS:  
Facility ID: 81000547  
**Facility Status: Evaluation conducted**  
Source: Not reported  
SAM Score: 35  
SAM Score Date: 05/24/2005  
Township: 02S  
Range: 06E  
Section: 20  
Quarter: Not reported

**Actual:  
795 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

1254 N. MAIN/ LOTUS ENGINEERING (Continued)

S110126797

Quarter/Quarter: Not reported  
Pollutants: Not reported

36  
ENE  
1/2-1  
0.855 mi.  
4517 ft.

THE ANN ARBOR GAS CO  
BROADWAY STREET  
ANN ARBOR, MI 48104

EDR MGP 1008408081  
N/A

Relative:  
Lower

Manufactured Gas Plants:

Alternate Name:THE WASHTENAW GAS CO. The former MGP at this site produced gas utilizing both the coal carbonization and carburetted water gas methods and operated from approximately 1899 to the early 1940s

Actual:  
781 ft.

37  
SSE  
1/2-1  
0.858 mi.  
4529 ft.

ARMEN CLEANERS  
630 S ASHLEY  
ANN ARBOR, MI 48103

SHWS S108228925  
DRYCLEANERS N/A  
BROWNFIELDS  
WDS

Relative:  
Lower

SHWS:

Facility ID: 81000005  
Facility Status: Interim Response in progress  
Source: Not reported  
SAM Score: 48  
SAM Score Date: 08/18/2004  
Township: 02S  
Range: 06E  
Section: 29  
Quarter: SW  
Quarter/Quarter: SE  
Pollutants: PCE

Actual:  
823 ft.

DRYCLEANERS:

Establishment#: 8100025  
DCM #: 1  
DCM Type: Perc  
Total lb: 35

Establishment#: 8100025  
DCM #: 2  
DCM Type: Petro  
Total lb: 95

BROWNFIELD:

Facility ID: Not reported  
Region: 1  
Status: Not reported  
Property Use: Not reported  
Use at Time of Listing: Not reported  
BEA: No  
Ernie Id Number: 81000005

WDS:

Site Id: MID016708935  
WMD Id: 394498

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARMEN CLEANERS (Continued)**

**S108228925**

Site Specific Name: ARMEN CLEANERS  
Mailing Address: 630 S ASHLEY ST  
Mailing City/State/Zip: 48103  
Mailing County: WASHTENAW

**38**  
**ESE**  
**1/2-1**  
**0.862 mi.**  
**4552 ft.**

**H AND K CAMPUS PROPERTIES**  
**212-216 SOUTH STATE STREET**  
**ANN ARBOR, MI 48104**

**SHWS S110126794**  
**N/A**

**Relative:**  
**Higher**

SHWS:  
Facility ID: 81000543  
**Facility Status: Evaluation conducted**  
Source: Not reported  
SAM Score: 27  
SAM Score Date: 05/25/2005  
Township: 02S  
Range: 06E  
Section: 29  
Quarter: Not reported  
Quarter/Quarter: Not reported  
Pollutants: Not reported

**Actual:**  
**874 ft.**

**39**  
**WSW**  
**1/2-1**  
**0.897 mi.**  
**4737 ft.**

**1943 JACKSON AVENUE**  
**1943 JACKSON AVE**  
**ANN ARBOR, MI 48104**

**SHWS S103086306**  
**WDS N/A**

**Relative:**  
**Higher**

SHWS:  
Facility ID: 81000064  
**Facility Status: Interim Response in progress**  
Source: Not reported  
SAM Score: 28  
SAM Score Date: 06/17/2004  
Township: 02S  
Range: 06E  
Section: 30  
Quarter: NW  
Quarter/Quarter: SE  
Pollutants: Cd; Cu; Pb; Ni; Zn

**Actual:**  
**923 ft.**

WDS:  
Site Id: MID005344742  
WMD Id: 393320  
Site Specific Name: BARNARD PLATING CO  
Mailing Address: 1943 JACKSON AVE  
Mailing City/State/Zip: 48103  
Mailing County: WASHTENAW

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ANN ARBOR	U000266166	SHELL STATION	1251ST N MAPLE & MILLER		LUST, UST
ANN ARBOR	U000266169	MARATHON UNIT #1793	1300TH N MAPLE & MILLER		LUST, UST
ANN ARBOR	S109847381	PARCELS B & C	1600TH HURON PKWY & 3200 PLYM	48105	BEA
ANN ARBOR	S110126793	HIDEAWAY LANE	2000TH & 2018 TRAVER RD	48104	SHWS
ANN ARBOR	S107812200		2235TH & S STATE	48104	BEA
ANN ARBOR	S112241521	UNKNOWN	2565TH & S 2601ST STATE ST	48104	BEA
ANN ARBOR	S109094185		512TH & N MAPLE RD	48103	BEA
ANN ARBOR	S112241405		391 AND 401 MILLER RD	48104	BEA
ANN ARBOR	1007102345	MI DEPT/NATURAL RESOURCES AND ENVI	E BANK OF ARGO POND IN HURON R	48103	RCRA NonGen / NLR
ANN ARBOR	1003871803	MICHIGAN CONSOLIDATED COAL PLT #2	BEADES & SUMMIT STS	48104	CERC-NFRAP
ANN ARBOR	S103086285	MICH CON BEAKES ST	BEAKES & SUMMIT STS	48104	SHWS
ANN ARBOR	1015731350	M14 ROLLOVER	S BOUND RAMP	48103	CERCLIS
ANN ARBOR	S103595056	UNIV OF MICH HOSPITAL FULLER RD	FULLER RD	48103	SHWS
ANN ARBOR	S103095426	UM NORTH CAMPUS LANDFILL AREA	HURON PKWY	48104	SHWS
ANN ARBOR	U000266453	ST JOSEPH MERCY HEALTH SYSTEM	5301 E HURON RIVER DR	48105	LUST, UST
ANN ARBOR	1007096033	COUNTY OF WASHTENAW ROAD COMMISSIO	MAPLE RD	48103	RCRA NonGen / NLR
ANN ARBOR	1012101971	NORTH MAPLE AND DEXTER AVENUE	522 N MAPLE RD	48103	US BROWNFIELDS, FINDS
ANN ARBOR	S109532785	DEREK MILLER/PREMIUM ENVIRONMENTAL	MARKER 4		SPILLS
ANN ARBOR	U003758877	ANN ARBOR PIPE & SUPPLY	20295 STATE		LUST, UST
ANN ARBOR	S103595047	AVFUEL BULK FACILITY	STATE AND ELLSWORTH RDS	48104	SHWS
ANN ARBOR	S109845799	BRIARWOOD SERVICE CENTER-AMOCO	3230 S STATE ST	48104	AUL
ANN ARBOR	1001202468	MI DEPT/TRANSPORTATION	USHY 23 UNDERANNARBORPLYMOUTH	48105	RCRA NonGen / NLR, FINDS
ANN ARBOR	1003871798	UNIVERSITY OF MICHIGAN LANDFILL #1	WASHINGTON HTS	48104	CERC-NFRAP
ANN ARBOR	S103595057	UNIVERSITY OF MICH LF NO 1	WASHINGTON HTS	48104	SHWS

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### NPL: National Priority List

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

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/10/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

#### NPL Site Boundaries

##### Sources:

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

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/10/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

#### NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/10/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

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

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

Date of Government Version: 02/04/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/05/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 04/10/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 02/05/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/05/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/21/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 6

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 04/03/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

### **RCRA-TSDF: RCRA - Treatment, Storage and Disposal**

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

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 04/03/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

### **RCRA-LQG: RCRA - Large Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 04/03/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Quarterly

### **RCRA-SQG: RCRA - Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 04/03/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Quarterly

### **RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 04/03/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal institutional controls / engineering controls registries***

### US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 12/19/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2012	Telephone: 703-603-0695
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 12/19/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2012	Telephone: 703-603-0695
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

### LUCIS: Land Use Control Information System

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

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 02/18/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Varies

## ***Federal ERNS list***

### ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/17/2013	Telephone: 202-267-2180
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 04/02/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Annually

## ***State- and tribal - equivalent CERCLIS***

### SHWS: Contaminated Sites

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

Date of Government Version: 01/28/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/30/2013	Telephone: 517-373-9541
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 01/30/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### SWF/LF: Solid Waste Facilities Database

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

Date of Government Version: 01/03/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/03/2013	Telephone: 517-335-4035
Date Made Active in Reports: 01/14/2013	Last EDR Contact: 04/02/2013
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Semi-Annually

## **State and tribal leaking storage tank lists**

### LUST: Leaking Underground Storage Tank Sites

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

Date of Government Version: 02/01/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/19/2013	Telephone: 517-373-9837
Date Made Active in Reports: 03/29/2013	Last EDR Contact: 02/19/2013
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Annually

### INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

### INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

### INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 04/29/2013
Number of Days to Update: 59	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/28/2012	Source: EPA Region 1
Date Data Arrived at EDR: 11/01/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 05/01/2013
Number of Days to Update: 162	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/06/2013	Source: EPA Region 4
Date Data Arrived at EDR: 02/08/2013	Telephone: 404-562-8677
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Semi-Annually

### **State and tribal registered storage tank lists**

#### UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 02/07/2013	Source: Department of Environmental Quality
Date Data Arrived at EDR: 02/08/2013	Telephone: 517-335-7211
Date Made Active in Reports: 03/04/2013	Last EDR Contact: 04/23/2013
Number of Days to Update: 24	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: Annually

#### UST: Underground Storage Tank Facility List

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

Date of Government Version: 02/01/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/19/2013	Telephone: 517-335-4035
Date Made Active in Reports: 03/29/2013	Last EDR Contact: 02/19/2013
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Annually

#### AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 02/21/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/26/2013	Telephone: 517-373-8168
Date Made Active in Reports: 03/29/2013	Last EDR Contact: 02/18/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: No Update Planned

#### INDIAN UST R1: Underground Storage Tanks on Indian Land

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/28/2012  
Date Data Arrived at EDR: 11/07/2012  
Date Made Active in Reports: 04/12/2013  
Number of Days to Update: 156

Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/06/2013  
Date Data Arrived at EDR: 02/08/2013  
Date Made Active in Reports: 04/12/2013  
Number of Days to Update: 63

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Semi-Annually

## INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/02/2012  
Date Data Arrived at EDR: 08/03/2012  
Date Made Active in Reports: 11/05/2012  
Number of Days to Update: 94

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/10/2011  
Date Data Arrived at EDR: 05/11/2011  
Date Made Active in Reports: 06/14/2011  
Number of Days to Update: 34

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Semi-Annually

## INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 02/28/2013  
Date Made Active in Reports: 04/12/2013  
Number of Days to Update: 43

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/27/2012  
Date Data Arrived at EDR: 08/28/2012  
Date Made Active in Reports: 10/16/2012  
Number of Days to Update: 49

Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Quarterly

## INDIAN UST R10: Underground Storage Tanks on Indian Land

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/05/2013  
Date Data Arrived at EDR: 02/06/2013  
Date Made Active in Reports: 04/12/2013  
Number of Days to Update: 65

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Quarterly

## INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/21/2013  
Date Data Arrived at EDR: 02/26/2013  
Date Made Active in Reports: 04/12/2013  
Number of Days to Update: 45

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Quarterly

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010  
Date Data Arrived at EDR: 02/16/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 55

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 04/18/2013  
Next Scheduled EDR Contact: 07/29/2013  
Data Release Frequency: Varies

## ***State and tribal institutional control / engineering control registries***

### AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 03/28/2012  
Date Data Arrived at EDR: 03/28/2012  
Date Made Active in Reports: 04/20/2012  
Number of Days to Update: 23

Source: Department of Natural Resources & Environment  
Telephone: 517-373-4828  
Last EDR Contact: 03/04/2013  
Next Scheduled EDR Contact: 06/17/2013  
Data Release Frequency: Varies

## ***State and tribal voluntary cleanup sites***

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 09/28/2012  
Date Data Arrived at EDR: 10/02/2012  
Date Made Active in Reports: 10/16/2012  
Number of Days to Update: 14

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 04/05/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Varies

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 7  
Telephone: 913-551-7365  
Last EDR Contact: 04/20/2009  
Next Scheduled EDR Contact: 07/20/2009  
Data Release Frequency: Varies

## ***State and tribal Brownfields sites***

### BROWNFIELDS: Brownfields and USTfield Site Database

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/27/2012  
Date Data Arrived at EDR: 07/31/2012  
Date Made Active in Reports: 09/20/2012  
Number of Days to Update: 51

Source: Department of Natural Resources & Environment  
Telephone: 517-373-4805  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Varies

## BROWNFIELDS 2: Brownfields Building and Land Site Locations

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

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

Source: Economic Development Corporation  
Telephone: 888-522-0103  
Last EDR Contact: 03/04/2013  
Next Scheduled EDR Contact: 06/17/2013  
Data Release Frequency: Varies

## ADDITIONAL ENVIRONMENTAL RECORDS

### **Local Brownfield lists**

#### US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/10/2012  
Date Data Arrived at EDR: 12/11/2012  
Date Made Active in Reports: 12/20/2012  
Number of Days to Update: 9

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 03/26/2013  
Next Scheduled EDR Contact: 07/08/2013  
Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

#### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: No Update Planned

#### ODI: Open Dump Inventory

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 11/24/2009  
Date Data Arrived at EDR: 09/30/2010  
Date Made Active in Reports: 10/28/2010  
Number of Days to Update: 28

Source: Department of Natural Resources & Environment  
Telephone: 517-241-5719  
Last EDR Contact: 04/05/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Varies

## HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

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

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

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

Location of open dumps on Indian land.

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

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 02/05/2013  
Next Scheduled EDR Contact: 05/20/2013  
Data Release Frequency: Varies

## **Local Lists of Hazardous waste / Contaminated Sites**

### US CDL: Clandestine Drug Labs

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

Date of Government Version: 11/14/2012  
Date Data Arrived at EDR: 12/11/2012  
Date Made Active in Reports: 02/15/2013  
Number of Days to Update: 66

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 03/04/2013  
Next Scheduled EDR Contact: 06/17/2013  
Data Release Frequency: Quarterly

### DEL SHWS: Delisted List of Contaminated Sites

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

Date of Government Version: 02/01/2013  
Date Data Arrived at EDR: 02/01/2013  
Date Made Active in Reports: 02/28/2013  
Number of Days to Update: 27

Source: Department of Natural Resources & Environment  
Telephone: 517-373-9541  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Varies

### CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

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

Source: Department of Community Health  
Telephone: 517-373-3740  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

## Local Land Records

### LIENS 2: CERCLA Lien Information

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

Date of Government Version: 02/16/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/26/2012	Telephone: 202-564-6023
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

### LIENS: Lien List

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

Date of Government Version: 12/03/2012	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/23/2013	Telephone: 517-373-9837
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 04/26/2013
Number of Days to Update: 36	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: Varies

## Records of Emergency Release Reports

### HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 12/31/2012	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/03/2013	Telephone: 202-366-4555
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 04/02/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Annually

### PEAS: Pollution Emergency Alerting System

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

Date of Government Version: 12/31/2012	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/10/2013	Telephone: 517-373-8427
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Other Ascertainable Records**

### **RCRA NonGen / NLR: RCRA - Non Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/12/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/15/2013	Telephone: 312-886-6186
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 04/03/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Varies

### **DOT OPS: Incident and Accident Data**

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

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 02/05/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/20/2013
	Data Release Frequency: Varies

### **DOD: Department of Defense Sites**

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/19/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Semi-Annually

### **FUDS: Formerly Used Defense Sites**

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

Date of Government Version: 12/31/2011	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/26/2013	Telephone: 202-528-4285
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

### **CONSENT: Superfund (CERCLA) Consent Decrees**

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

Date of Government Version: 12/31/2011	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 01/15/2013	Telephone: Varies
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/01/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Varies

### **ROD: Records Of Decision**

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

Date of Government Version: 12/18/2012	Source: EPA
Date Data Arrived at EDR: 03/13/2013	Telephone: 703-416-0223
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 03/13/2013
Number of Days to Update: 30	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 02/25/2013
Number of Days to Update: 146	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Varies

## US MINES: Mines Master Index File

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

Date of Government Version: 08/18/2011	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/08/2011	Telephone: 303-231-5959
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 03/06/2013
Number of Days to Update: 21	Next Scheduled EDR Contact: 06/17/2013
	Data Release Frequency: Semi-Annually

## TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 09/01/2011	Telephone: 202-566-0250
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 02/26/2013
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Annually

## TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 03/28/2013
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/08/2013
	Data Release Frequency: Every 4 Years

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

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/25/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Quarterly

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

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/25/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

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

## SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 04/29/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

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

Date of Government Version: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/15/2013
Number of Days to Update: 61	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

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

Date of Government Version: 11/01/2010	Source: EPA
Date Data Arrived at EDR: 11/10/2010	Telephone: 202-566-0500
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 04/19/2013
Number of Days to Update: 98	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MLTS: Material Licensing Tracking System

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

Date of Government Version: 06/21/2011	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/15/2011	Telephone: 301-415-7169
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 03/11/2013
Number of Days to Update: 60	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Quarterly

## RADINFO: Radiation Information Database

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

Date of Government Version: 01/08/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/09/2013	Telephone: 202-343-9775
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/11/2013
Number of Days to Update: 93	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 10/23/2011	Source: EPA
Date Data Arrived at EDR: 12/13/2011	Telephone: (312) 353-2000
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 03/12/2013
Number of Days to Update: 79	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Quarterly

## RAATS: RCRA Administrative Action Tracking System

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

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

## RMP: Risk Management Plans

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 05/08/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/25/2012	Telephone: 202-564-8600
Date Made Active in Reports: 07/10/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 46	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

### BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 02/26/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Biennially

### UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 01/30/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/31/2013	Telephone: 517-241-1515
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

### DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 10/22/2012	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 10/24/2012	Telephone: 517-335-4586
Date Made Active in Reports: 11/28/2012	Last EDR Contact: 04/19/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: Annually

### NPDES: List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 01/08/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/09/2013	Telephone: 517-241-1300
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 04/10/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Varies

### AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/09/2013  
Date Data Arrived at EDR: 01/10/2013  
Date Made Active in Reports: 03/05/2013  
Number of Days to Update: 54

Source: Department of Natural Resources & Environment  
Telephone: 517-373-7074  
Last EDR Contact: 03/25/2013  
Next Scheduled EDR Contact: 07/08/2013  
Data Release Frequency: Varies

## BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

Date of Government Version: 02/25/2013  
Date Data Arrived at EDR: 02/26/2013  
Date Made Active in Reports: 04/02/2013  
Number of Days to Update: 35

Source: Department of Natural Resources & Environment  
Telephone: 517-373-9541  
Last EDR Contact: 02/18/2013  
Next Scheduled EDR Contact: 06/03/2013  
Data Release Frequency: Semi-Annually

## INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 04/19/2013  
Next Scheduled EDR Contact: 07/29/2013  
Data Release Frequency: Semi-Annually

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011  
Date Data Arrived at EDR: 03/09/2011  
Date Made Active in Reports: 05/02/2011  
Number of Days to Update: 54

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 04/23/2013  
Next Scheduled EDR Contact: 08/05/2013  
Data Release Frequency: Varies

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 11/15/2012  
Date Data Arrived at EDR: 11/16/2012  
Date Made Active in Reports: 02/15/2013  
Number of Days to Update: 91

Source: EPA  
Telephone: 202-564-5962  
Last EDR Contact: 04/01/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Annually

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 07/31/2012  
Date Data Arrived at EDR: 08/13/2012  
Date Made Active in Reports: 09/18/2012  
Number of Days to Update: 36

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 02/12/2013  
Next Scheduled EDR Contact: 05/27/2013  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 11/20/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2012	Telephone: 202-566-1917
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 02/19/2013
Number of Days to Update: 89	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Quarterly

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 02/01/2013
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Varies

## COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 04/21/2011	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 04/21/2011	Telephone: 586-753-3754
Date Made Active in Reports: 05/13/2011	Last EDR Contact: 04/08/2013
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Varies

## COAL ASH DOE: Steam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 04/18/2013
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Varies

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 03/15/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 01/08/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/10/2013	Telephone: 517-335-6610
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 04/08/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Varies

## WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

Date of Government Version: 02/15/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/15/2013	Telephone: 517-373-9875
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 02/15/2013
Number of Days to Update: 13	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Quarterly



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 11/15/2012	Source: EPA
Date Data Arrived at EDR: 11/16/2012	Telephone: 202-564-5962
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 04/01/2013
Number of Days to Update: 91	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Annually

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2012	Telephone: 703-308-4044
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 02/15/2013
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/27/2013
	Data Release Frequency: Varies

## Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 01/05/2011	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/07/2011	Telephone: 517-335-4034
Date Made Active in Reports: 02/14/2011	Last EDR Contact: 04/01/2013
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Varies

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/02/2012	Source: EPA
Date Data Arrived at EDR: 01/03/2013	Telephone: 202-564-6023
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/04/2013
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Quarterly

## FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/19/2013
Number of Days to Update: 339	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: N/A

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: N/A  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A	Source: N/A
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/18/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/18/2013	Telephone: 860-424-3375
Date Made Active in Reports: 03/21/2013	Last EDR Contact: 02/18/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 08/28/2012	Last EDR Contact: 04/19/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/01/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/07/2013	Telephone: 518-402-8651
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 02/07/2013
Number of Days to Update: 36	Next Scheduled EDR Contact: 05/20/2013
	Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/23/2012	Telephone: 717-783-8990
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 04/23/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2011	Source: Department of Environmental Management
Date Data Arrived at EDR: 06/22/2012	Telephone: 401-222-2797
Date Made Active in Reports: 07/31/2012	Last EDR Contact: 02/25/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011

Date Data Arrived at EDR: 07/19/2012

Date Made Active in Reports: 09/27/2012

Number of Days to Update: 70

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 03/18/2013

Next Scheduled EDR Contact: 07/01/2013

Data Release Frequency: Annually

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

## Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## **STREET AND ADDRESS INFORMATION**

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

MILLER MANOR  
727 MILLER AVE  
ANN ARBOR, MI 48103

### TARGET PROPERTY COORDINATES

Latitude (North):	42.2852 - 42° 17' 6.72"
Longitude (West):	83.7562 - 83° 45' 22.32"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	272745.4
UTM Y (Meters):	4684907.5
Elevation:	838 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	42083-C7 ANN ARBOR WEST, MI
Most Recent Revision:	1983
East Map:	42083-C6 ANN ARBOR EAST, MI
Most Recent Revision:	1983

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

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

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

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

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

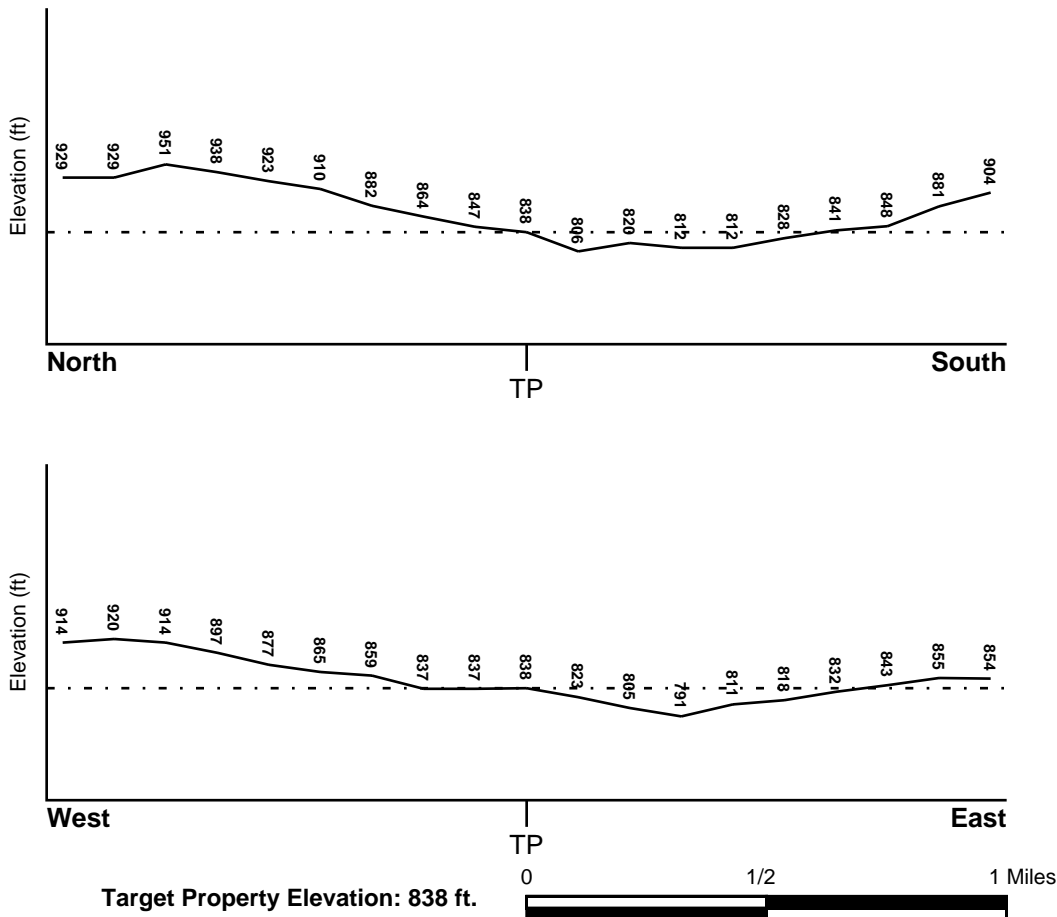
## TOPOGRAPHIC INFORMATION

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

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

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

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

## FEMA FLOOD ZONE

<u>Target Property County</u>	<u>FEMA Flood</u>
WASHTENAW, MI	<u>Electronic Data</u>
	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

## NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic</u>
ANN ARBOR WEST	<u>Data Coverage</u>
	YES - refer to the Overview Map and Detail Map

## 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>
B3	1/4 - 1/2 Mile SE	N
B4	1/4 - 1/2 Mile SE	NNW
6	1/2 - 1 Mile ENE	Not Reported
7	1/2 - 1 Mile SE	ENE
9	1/2 - 1 Mile East	ENE

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



# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

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

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

### ROCK STRATIGRAPHIC UNIT

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

### GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: BOYER

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	7 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 7.30 Min: 5.60
2	7 inches	18 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 7.30 Min: 5.60
3	18 inches	34 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 6.00 Min: 2.00	Max: 7.80 Min: 5.60
4	34 inches	60 inches	gravelly - sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 20.00	Max: 8.40 Min: 7.40

### OTHER SOIL TYPES IN AREA

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

Soil Surface Textures: loamy sand  
muck  
loam

Surficial Soil Types: loamy sand  
muck  
loam

Shallow Soil Types: silty clay loam  
sandy loam  
clay loam

Deeper Soil Types: sand  
sand and gravel  
stratified  
clay loam  
loam

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

coarse sand  
muck

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

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

## 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

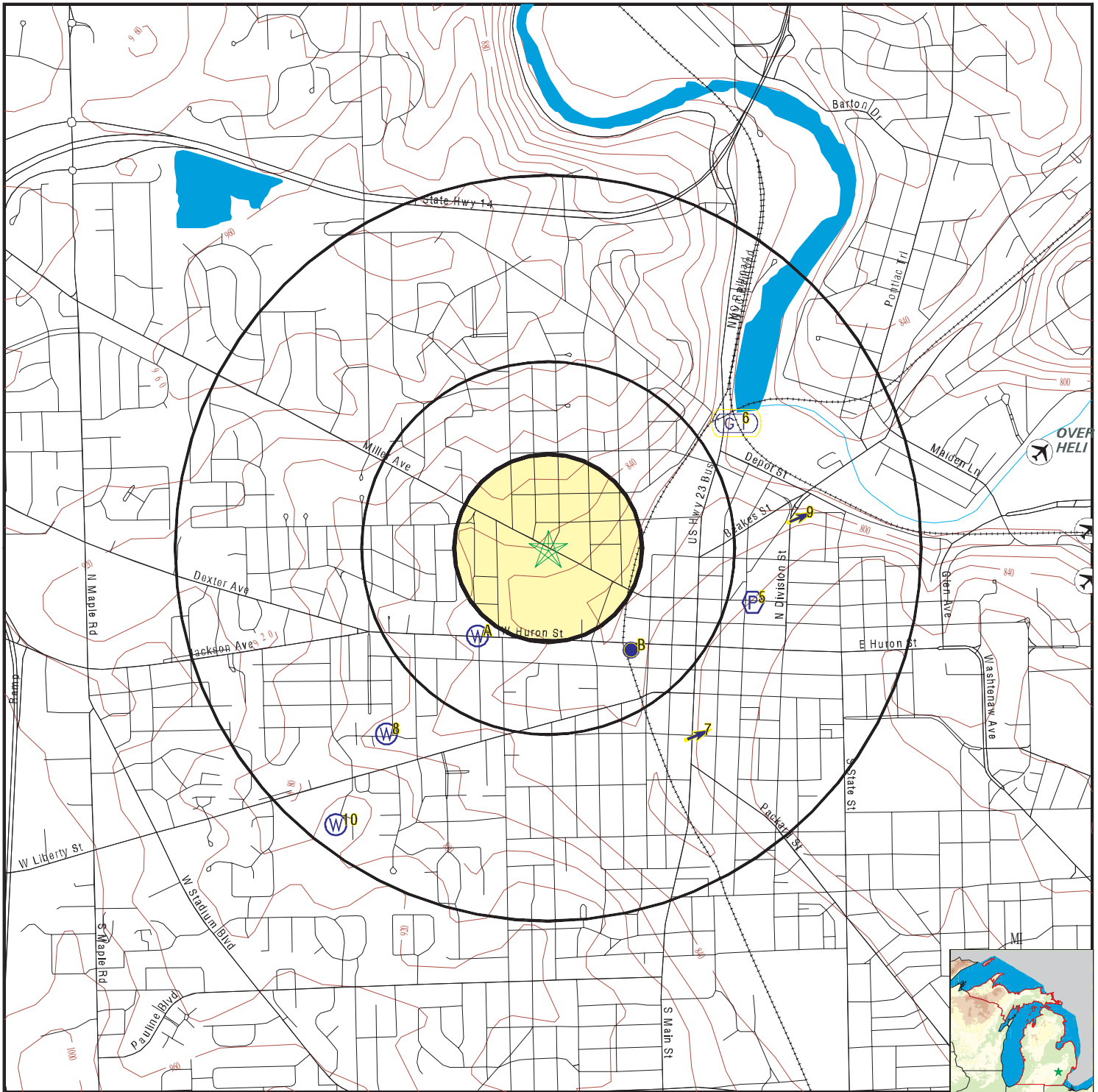
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
5	MI0003940	1/2 - 1 Mile ESE

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>
A1	MI3000000052296	1/4 - 1/2 Mile SW
A2	MI3000000052297	1/4 - 1/2 Mile SW
8	MI3000000051895	1/2 - 1 Mile SW
10	MI3000000051505	1/2 - 1 Mile SW

# PHYSICAL SETTING SOURCE MAP - 3594432.2s



- 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



SITE NAME: Miller Manor  
 ADDRESS: 727 Miller Ave  
 Ann Arbor MI 48103  
 LAT/LONG: 42.2852 / 83.7562

CLIENT: Environmental Resources Group, Inc.  
 CONTACT: Penny M. Dwoinen  
 INQUIRY #: 3594432.2s  
 DATE: May 01, 2013 3:52 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**A1**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**MI WELLS      MI300000052296**

Wellid:	81000010160	Import id:	Not Reported
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	3
Owner name:	COMMUNITY DEV. GROUP OF ANN AR		
Well addr:	1000 HURON RIVER		
Well depth:	183		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	524
Const date:	2000-02-16 14:08:45.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	175		
Screen frm:	173		
Screen to:	183		
Swl:	106		
Test depth:	116		
Test hours:	2		
Test rate:	10	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.28178523		
Longitude:	-83.7598847		
Methd coll:	Address Matching-House Number		
Elevation:	837		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	833	Elev dif:	4
Elev miv:	837	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	16		
Pct aq d:	16	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	56
Pct cm d:	56	Pct cm r:	0
Pct pcm:	28	Pct pcm d:	28
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	8	A pct aq:	0
A pct maq:	0	A pct pcm:	100
A pct cm:	0	A pct na:	0
A thickns2:	77	A pct aq2:	12
A pct maq2:	0	A pct pcm2:	10
A pct cm2:	78	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Clay & Sand
A sc lmod1:	Fine	A sc lmaq1:	PCM
A sc lpct1:	80	A sc lith2:	Clay
A sc lmod2:	Not Reported	A sc lmaq2:	CM
A sc lpct2:	20	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	60	Pct pcm 2:	40
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	100	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	25	Pct pcm 4:	75
Pct na 4:	0	Pct aq 5:	70
Pct maq 5:	0	Pct cm 5:	30
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	60	Pct maq 6:	0
Pct cm 6:	40	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

**A2**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**MI WELLS      MI300000052297**

Wellid:	81000010161	Import id:	Not Reported
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	3
Owner name:	COMM. DEV. GROUP OF ANN ARBOR		
Well addr:	1000 HURON RIVER		
Well depth:	184		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	524
Const date:	2000-02-16 14:17:27.000	Case type:	PVC Plastic
Case dia:	5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	179		
Screen frm:	179		
Screen to:	184		
Swl:	106		
Test depth:	107		
Test hours:	2		
Test rate:	12	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.28178523		
Longitude:	-83.7598847		
Methd coll:	Address Matching-House Number		
Elevation:	837		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	833	Elev dif:	4
Elev miv:	837	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	37		
Pct aq d:	37	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	59
Pct cm d:	59	Pct cm r:	0
Pct pcm:	4	Pct pcm d:	4
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	7	A pct aq:	0
A pct maq:	0	A pct pcm:	100
A pct cm:	0	A pct na:	0
A thickns2:	78	A pct aq2:	3
A pct maq2:	0	A pct pcm2:	9
A pct cm2:	88	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Clay Sand Gravel
A sc lmod1:	Not Reported	A sc lmaq1:	PCM
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	100
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	100	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	100
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	32	Pct maq 6:	0
Pct cm 6:	68	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

<b>B3 SE 1/4 - 1/2 Mile Lower</b>	Site ID:	810075		
	Groundwater Flow:	N	<b>AQUIFLOW</b>	<b>63226</b>
	Shallowest Water Table Depth:	6.16		
	Deepest Water Table Depth:	6.90		
	Average Water Table Depth:	Not Reported		
	Date:	04/1990		

<b>B4 SE 1/4 - 1/2 Mile Lower</b>	Site ID:	810148		
	Groundwater Flow:	NNW	<b>AQUIFLOW</b>	<b>45873</b>
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	6		
	Date:	04/23/1996		

<b>5 ESE 1/2 - 1 Mile Higher</b>		<b>FRDS PWS</b>	<b>MI0003940</b>
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Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	2182		
Facility name:	WELL 1		
Facility type:	Well	Treatment process:	filtration, pressure sand
Treatment objective:	iron removal		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility id:	2183		
Facility name:	WELL 2		
Facility type:	Well	Treatment process:	filtration, pressure sand
Treatment objective:	iron removal		
Facility id:	3200		
Facility name:	WELL 3		
Facility type:	Well	Treatment process:	filtration, pressure sand
Treatment objective:	iron removal		
Facility id:	4102		
Facility name:	DISTRIBUTION SYSTEM		
Facility type:	Distribution_system_zone	Treatment process:	filtration, pressure sand
Treatment objective:	iron removal		
Facility id:	6843		
Facility name:	LOCH ALPINE DR WEST		
Facility type:	Storage	Treatment process:	filtration, pressure sand
Treatment objective:	iron removal		
Facility id:	8249		
Facility name:	IRON REMOVAL PLANT		
Facility type:	Treatment_plant	Treatment process:	filtration, pressure sand
Treatment objective:	iron removal		
Facility id:	2182		
Facility name:	WELL 1		
Facility type:	Well	Treatment process:	hypochlorination, pre
Treatment objective:	disinfection		
Facility id:	2183		
Facility name:	WELL 2		
Facility type:	Well	Treatment process:	hypochlorination, pre
Treatment objective:	disinfection		
Facility id:	3200		
Facility name:	WELL 3		
Facility type:	Well	Treatment process:	hypochlorination, pre
Treatment objective:	disinfection		
Facility id:	4102		
Facility name:	DISTRIBUTION SYSTEM		
Facility type:	Distribution_system_zone	Treatment process:	hypochlorination, pre
Treatment objective:	disinfection		
Facility id:	6843		
Facility name:	LOCH ALPINE DR WEST		
Facility type:	Storage	Treatment process:	hypochlorination, pre
Treatment objective:	disinfection		
Facility id:	8249		
Facility name:	IRON REMOVAL PLANT		
Facility type:	Treatment_plant	Treatment process:	hypochlorination, pre
Treatment objective:	disinfection		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility id: 2182  
 Facility name: WELL 1  
 Facility type: Well Treatment process: filtration, greensand  
 Treatment objective: manganese removal

Facility id: 2183  
 Facility name: WELL 2  
 Facility type: Well Treatment process: filtration, greensand  
 Treatment objective: manganese removal

Facility id: 3200  
 Facility name: WELL 3  
 Facility type: Well Treatment process: filtration, greensand  
 Treatment objective: manganese removal

Facility id: 4102  
 Facility name: DISTRIBUTION SYSTEM  
 Facility type: Distribution\_system\_zone Treatment process: filtration, greensand  
 Treatment objective: manganese removal

Facility id: 6843  
 Facility name: LOCH ALPINE DR WEST  
 Facility type: Storage Treatment process: filtration, greensand  
 Treatment objective: manganese removal

Facility id: 8249  
 Facility name: IRON REMOVAL PLANT  
 Facility type: Treatment\_plant Treatment process: filtration, greensand  
 Treatment objective: manganese removal

PWS ID: MI0003940  
 Date Initiated: Not Reported Date Deactivated: Not Reported  
 PWS Name: LOCH ALPINE SANITARY AUTHORITY  
 LOCH ALPINE SANITARY AUTHORITY  
 4530 WEST HURON RIVER DRIVE  
 ANN ARBOR, MI 48103

Addressee / Facility: Not Reported

Facility Latitude: 42 16 59 Facility Longitude: 083 44 44  
 City Served: Not Reported  
 Treatment Class: Treated Population: 1233

Violations information not reported.

### ENFORCEMENT INFORMATION:

System Name: LOCH ALPINE SANITARY AUTHO  
 Violation Type: Monitoring, Routine Major (TCR)  
 Contaminant: COLIFORM (TCR)  
 Compliance Period: 1994-07-01 - 1994-07-31  
 Violation ID: 9440001  
 Enforcement Date: 1994-08-10 Enf. Action: State Violation/Reminder Notice

System Name: LOCH ALPINE SANITARY AUTHO  
 Violation Type: Monitoring, Routine Major (TCR)  
 Contaminant: COLIFORM (TCR)  
 Compliance Period: 1994-07-01 - 1994-07-31  
 Violation ID: 9440001  
 Enforcement Date: 1994-08-10 Enf. Action: State Public Notif Requested

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

<b>6</b>	Site ID:	Not Reported		
<b>ENE</b>	Groundwater Flow:	Not Reported	<b>AQUIFLOW</b>	<b>45843</b>
<b>1/2 - 1 Mile</b>	Shallowest Water Table Depth:	Not Reported		
<b>Lower</b>	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	3.5		
	Date:	12/17/1991		

<b>7</b>	Site ID:	810318		
<b>SE</b>	Groundwater Flow:	ENE	<b>AQUIFLOW</b>	<b>39436</b>
<b>1/2 - 1 Mile</b>	Shallowest Water Table Depth:	20		
<b>Higher</b>	Deepest Water Table Depth:	112		
	Average Water Table Depth:	Not Reported		
	Date:	12/1991		

<b>8</b>			<b>MI WELLS</b>	<b>MI300000051895</b>
<b>SW</b>				
<b>1/2 - 1 Mile</b>				
<b>Higher</b>				

Wellid:	8100005043	Import id:	81727630301
County:	Washtenaw	Township:	Ann Arbor
Town range:	02S 06E	Section:	30
Owner name:	CITY OF ANN ARBOR		
Well addr:	ANN ARBOR WELL #1 MONTGOMERY		
Well depth:	173		
Well type:	Type I public		
Wssn:	220		
Well num:	ANN ARBOR WELL #1 MONTGOMERY	Well id:	0
Const date:	1962-01-01 00:00:00.000	Case type:	Unknown
Case dia:	28		
Case depth:	132		
Screen frm:	0		
Screen to:	0		
Swl:	999.99		
Test depth:	0		
Test hours:	0		
Test rate:	1250	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	1250
Latitude:	42.277985		
Longitude:	-83.764646		
Methd coll:	GPS Code Measurement Differential (DGPS)		
Elevation:	850		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	SWL > Well Depth		
Elev dem:	846	Elev dif:	4
Elev miv:	850	Aq code:	Unknown Lithology
Aq flag:	Not Reported		
Pct aq:	0		
Pct aq d:	0	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-3
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	100
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	100	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	100
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	100	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	100
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	100	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	100
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

<b>9</b> <b>East</b> <b>1/2 - 1 Mile</b> <b>Lower</b>	Site ID: 810292 Groundwater Flow: ENE Shallowest Water Table Depth: Not Reported Deepest Water Table Depth: Not Reported Average Water Table Depth: 7 Date: 01/10/1992	<b>AQUIFLOW</b>	<b>39428</b>
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**10**  
**SW**  
**1/2 - 1 Mile**  
**Higher**

**MI WELLS      MI300000051505**

Wellid: 8100005042 County: Washtenaw Town range: 02S 06E Owner name: SNYDER, DORIS K. Well addr: 5 RIDGEMOOR DR. Well depth: 112 Well type: Household Wssn: 0 Well num: Not Reported Const date: 1984-08-31 00:00:00.000 Case dia: 4 Case depth: 108 Screen frm: 108 Screen to: 112 Swl: 63 Test depth: 85 Test hours: 1 Test rate: 20 Grouted: 1 Latitude: 42.2744577482 Longitude: -83.7672956333 Methd coll: Interpolation-Map Elevation: 918 Elev methd: Topographoc Map Interpolation Elev flag: Not Reported Swl flag: Not Reported Elev dem: 912 Elev miv: 918 Aq flag: Not Reported Pct aq: 52 Pct aq d: 52 Pct maq: 0 Pct maq r: 0 Pct cm d: 48 Pct pcm: 0 Pct pcm r: 0 Pct na d: 0 Pct flag: Not Reported D r type: Not Reported A thicknes: 23 A pct maq: 0 A pct cm: 0 A thickns2: 49	Import id: 81727630001 Township: Ann Arbor Section: 30 Driller id: 26 Case type: Steel-black Test methd: Unknown Pmp cpcity: 0 Depth flag: Not Reported Elev dif: 6 Aq code: Drift Well Pct aq r: 0 Pct maq d: 0 Pct cm: 48 Pct cm r: 0 Pct pcm d: 0 Pct na: 0 Pct na r: 0 Rock top: -1 Spc cpcity: 0 A pct aq: 100 A pct pcm: 0 A pct na: 0 A pct aq2: 47
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## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

A pct maq2:	0	A pct pcm2:	0
A pct cm2:	53	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Gravel
A sc lmod1:	Water Bearing	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	5
Pct maq 1:	0	Pct cm 1:	95
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	70
Pct maq 3:	0	Pct cm 3:	30
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	100	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	55
Pct maq 5:	0	Pct cm 5:	45
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	49		
Horiz Conduct:	140.81638		
Vert Conduct:	.00019		
T2:	6900.0026		
D50plek:	533.34275		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: MI Radon

### Radon Test Results

Zipcode	Test Date	LT Sign	Result
48103	1/28/2006		1.3
48103	2/13/2006		1.3
48103	2/20/2006		1.3
48103	2/13/2006		1.3
48103	2/10/2006		1.3
48103	2/20/1996		1.3
48103	1/15/2003		1.3
48103	5/15/2003		1.3
48103	11/7/2002		1.3
48103	3/30/2004		1.3
48103	12/20/2003		1.3
48103	6/25/2004		1.3
48103	3/14/2009		1.3
48103	2/12/1999		1.2
48103	4/15/1996		1.2
48103	1/31/2003		1.2
48103	4/3/2008		1.2
48103	7/6/2001		1.2
48103	8/28/2002		1.2
48103	8/20/2003		1.2
48103	5/1/2003		1.2
48103	4/25/2005		1.2
48103	2/16/2004		1.2
48103	1/21/2005		1.2
48103	3/1/2005		1.2
48103	2/6/2006		1.2
48103	1/19/2006		1.2
48103	12/12/2006		1.2
48103	2/13/2006		1.2
48103	12/18/1995		1.1
48103	2/7/2003		1.1
48103	2/14/2005		1.1
48103	4/15/2005		1.1
48103	7/5/1995		1.1
48103	11/9/2001		1.1
48103	10/3/2000		1.2
48103	2/2/2009		1.2
48103	2/17/2009		1.2
48103	1/7/2010		1.2
48103	10/24/2007		1.1
48103	3/24/1995		1.1
48103	3/13/1995		1.1
48103	11/4/2004		1.1
48103	3/27/2006		1.1
48103	4/17/2006		1.1
48103	2/13/2006		1.1
48103			

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	2/9/2006		1.1
48103	2/13/2006		1.1
48103	2/8/2006		1.1
48103	6/16/2006		1.1
48103	2/12/2008		1.1
48103	4/4/2003		1.0
48103	11/5/2004		1.0
48103	12/1/2008		1.1
48103	2/17/2009		1.1
48103	2/2/2009		1.1
48103	2/15/1999		1.0
48103	9/6/2005		1.9
48103	3/7/2005		1.9
48103	3/4/2006		1.9
48103	4/10/2006		1.9
48103	3/23/2006		1.9
48103	11/5/2001		1.9
48103	4/14/1997		1.9
48103	3/30/1998		1.9
48103	1/24/1996		1.9
48103	6/1/2002		1.9
48103	2/1/2003		1.9
48103	2/7/2003		1.9
48103	11/12/2004		1.9
48103	1/14/1995		1.0
48103	8/19/1994		1.0
48103	3/1/2007		1.0
48103	2/4/2006		1.0
48103	4/3/2006		1.0
48103	2/13/2006		1.0
48103	5/26/2009		1.0
48103	1/4/2008		1.0
48103	4/9/2007		1.0
48103	3/15/2008		1.0
48103	6/7/1995		1.8
48103	2/8/1999		1.8
48103	8/16/2003		1.8
48103	2/4/2006		1.9
48103	2/20/2006		1.9
48103	2/11/2006		1.9
48103	2/21/2006		1.9
48103	2/1/2006		1.9
48103	5/8/2006		1.9
48103	4/5/2008		1.9
48103	4/8/2008		1.9
48103	12/10/1999		1.9
48103	3/27/2009		1.9
48103	4/24/2006	<	0.3
48103	3/17/2008	<	0.3
48103	3/3/2007	<	0.3
48103	3/9/2007	<	0.3
48103	3/2/2007	<	0.3
48103	3/25/1997	<	0.3
48103	10/20/2006	<	0.3
48103	2/8/2006	<	0.3
48103	8/25/1995	<	0.3
48103			



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	7/26/2005	<	0.3
48103	7/25/2005	<	0.3
48103	6/6/2005	<	0.3
48103	2/8/2006	<	0.3
48103	2/9/2006	<	0.3
48103	1/16/2004		0.5
48103	2/9/2004		0.5
48103	8/10/1995		0.3
48103	1/13/2004	<	0.3
48103	2/2/2006	<	0.3
48103	1/21/2004	<	0.3
48103	4/9/2004	<	0.3
48103	2/9/2006		0.5
48103	2/13/2006		0.5
48103	4/18/2008		0.5
48103	11/1/2001	<	0.3
48103	5/1/2006	<	0.3
48103	1/30/2006	<	0.3
48103	1/26/2006	<	0.3
48103	1/24/2006	<	0.3
48103	2/14/2006	<	0.3
48103	2/24/2007		0.5
48103	3/13/2003	<	0.3
48103	3/17/2003	<	0.3
48103	4/7/2003	<	0.3
48103	7/24/2002	<	0.3
48103	10/22/2002	<	0.3
48103	3/11/2000		0.5
48103	4/15/2009		0.5
48103	11/19/2009		0.5
48103	3/9/2007	<	0.3
48103	6/12/2008	<	0.3
48103	2/11/2002	<	0.3
48103	2/28/2004	<	0.3
48103	5/20/2008	<	0.3
48103	9/6/1994		0.4
48103	3/8/2004	<	0.3
48103	2/10/2004	<	0.3
48103	1/23/2008	<	0.3
48103	1/31/2008	<	0.3
48103	2/11/1999	<	0.3
48103	1/7/1998	<	0.3
48103	5/15/2002	<	0.3
48103	6/6/2002	<	0.3
48103	5/19/2003	<	0.3
48103	6/25/2007	<	0.3
48103	4/9/2007	<	0.3
48103	3/5/2002	<	0.3
48103	3/21/2006	<	0.3
48103	3/4/2006	<	0.3
48103	1/19/2007	<	0.3
48103	1/17/2007	<	0.3
48103	3/4/2006	<	0.3
48103	1/8/2007	<	0.3
48103	3/27/2006	<	0.3
48103	4/22/1997	<	0.3
48103			

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	12/20/1995	0.8
48103	2/20/2003	0.5
48103	1/20/2003	0.5
48103	2/11/2003	0.5
48103	2/17/2009	1.0
48103	2/17/2009	1.0
48103	1/7/1998	0.8
48103	1/10/2003	0.8
48103	2/16/2002	0.8
48103	4/30/2005	0.7
48103	4/25/2005	0.7
48103	12/31/1993	0.9
48103	8/21/2003	0.8
48103	9/11/1995	0.9
48103	10/17/2005	0.6
48103	8/23/2003	0.9
48103	11/5/2001	0.9
48103	5/22/2003	0.9
48103	2/24/2004	0.6
48103	11/5/2004	0.6
48103	1/27/2006	0.6
48103	1/31/2005	0.8
48103	1/24/2004	0.8
48103	2/4/2006	0.7
48103	2/1/2003	0.9
48103	2/2/2007	0.6
48103	2/13/2006	0.8
48103	2/8/2007	0.7
48103	10/20/2008	0.7
48103	4/24/2006	0.8
48103	4/5/2008	0.7
48103	8/18/2007	0.7
48103	5/16/2005	0.9
48103	12/10/2007	0.8
48103	3/7/2006	0.9
48103	2/20/2006	0.9
48103	2/10/2006	0.9
48103	2/20/2006	0.9
48103	2/10/2006	0.9
48103	6/5/1999	0.6
48103	3/1/2008	0.8
48103	11/28/1994	0.7
48103	2/24/1995	0.7
48103	9/21/2000	0.7
48103	11/21/2005	0.9
48103	6/29/2001	0.8
48103	2/10/2009	0.6
48103	11/2/2007	0.9
48103	1/7/2008	0.9
48103	11/19/2009	0.6
48103	5/27/1994	0.8
48103	1/26/2009	0.8
48103	2/5/2009	0.7
48103	4/23/1997	0.6
48103	5/3/1996	0.6
48103	4/27/1995	0.9
48103		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

48103	8/27/1996	0.5
48103	12/2/1996	0.5
48103	11/23/2009	0.8
48103	2/17/2009	0.8
48103	11/9/2001	0.7
48103	1/7/1998	0.6
48103	12/2/1996	0.6
48103	2/19/2003	0.6
48103	11/22/2002	0.6
48103	6/12/2009	0.9
48103	3/19/2002	0.5
48103	10/21/1996	0.7
48103	2/7/2003	0.7
48103	3/13/2002	0.7
48103	7/5/2003	0.6
48103	3/29/2002	0.6
48103	1/25/2003	0.6
48103	9/2/2009	0.9
48103	4/21/1995	1.8
48103	3/21/2009	1.8
48103	5/9/2009	1.8
48103	11/12/2009	1.8
48103	11/4/2005	1.8
48103	2/10/2006	1.8
48103	2/9/2006	1.8
48103	2/27/2006	1.8
48103	2/20/2006	1.8
48103	12/16/2006	1.8
48103	5/22/2009	2.9
48103	9/6/2007	2.9
48103	3/3/2008	2.9
48103	5/13/1999	2.8
48103	3/16/1995	2.8
48103	12/21/2009	2.8
48103	11/3/2009	2.7
48103	3/15/1997	2.6
48103	3/5/1999	2.6
48103	2/24/2009	2.6
48103	6/22/2009	2.6
48103	4/4/2000	2.9
48103	2/3/2000	2.9
48103	5/31/1999	2.9
48103	2/6/2001	2.9
48103	5/22/2006	2.5
48103	3/25/1994	2.5
48103	1/23/1996	2.5
48103	4/18/1997	2.5
48103	6/14/2003	2.5
48103	1/3/2006	2.5
48103	8/18/2007	2.5
48103	3/16/2007	2.5
48103	10/20/1994	2.5
48103	8/8/1994	2.5
48103	2/25/2000	2.5
48103	4/19/1999	2.5
48103	3/2/1995	2.5
48103		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	1/14/2009	2.5
48103	2/6/2009	2.5
48103	2/12/2009	2.5
48103	1/30/2009	2.5
48103	7/13/2009	2.5
48103	8/30/1997	2.4
48103	2/1/2003	2.4
48103	9/3/2002	2.4
48103	2/14/2004	2.4
48103	9/27/2004	2.4
48103	6/26/2006	2.4
48103	9/5/2007	2.4
48103	4/8/2008	2.4
48103	11/24/2008	2.4
48103	4/17/2006	2.2
48103	2/10/2006	2.2
48103	1/24/2009	2.4
48103	3/16/2009	2.4
48103	4/20/1994	2.3
48103	3/21/2008	2.2
48103	3/9/2009	2.3
48103	4/10/2009	2.3
48103	7/6/2001	2.2
48103	12/6/1999	2.2
48103	3/6/2003	2.3
48103	4/18/2003	2.3
48103	3/14/1998	2.2
48103	6/18/1994	2.2
48103	9/6/1994	2.2
48103	9/15/1994	2.2
48103	10/1/2004	2.3
48103	6/12/1996	2.2
48103	2/26/2009	2.2
48103	12/29/1997	2.1
48103	8/19/2005	2.3
48103	3/1/2005	2.3
48103	2/28/2005	2.2
48103	3/2/1999	2.1
48103	2/16/1996	2.1
48103	9/12/1997	2.1
48103	2/6/2006	2.3
48103	2/9/2007	2.3
48103	2/3/2007	2.3
48103	2/4/2006	2.3
48103	2/27/2006	2.3
48103	2/26/2004	2.2
48103	2/7/2004	2.2
48103	2/6/2006	2.2
48103	3/26/2002	2.1
48103	11/2/2001	2.1
48103	6/26/2006	3.0
48103	4/25/2006	3.0
48103	4/10/2006	3.0
48103	4/3/2006	3.0
48103	12/10/2007	3.0
48103	1/10/2009	2.9
48103		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	2/5/2009	2.9
48103	2/13/2009	2.9
48103	3/2/2009	2.9
48103	2/8/1996	2.7
48103	11/5/2001	2.7
48103	5/8/2002	2.7
48103	3/21/2003	2.6
48103	2/8/2008	3.0
48103	2/25/2000	3.0
48103	1/10/2003	2.7
48103	2/9/2005	2.7
48103	1/13/2005	2.7
48103	11/7/2001	2.6
48103	4/4/2005	2.6
48103	8/27/2004	2.6
48103	5/26/2000	3.0
48103	11/20/2003	2.8
48103	1/21/2002	2.8
48103	2/3/2003	2.8
48103	1/29/2003	2.8
48103	2/14/2004	2.7
48103	7/11/2006	2.7
48103	12/6/2006	2.7
48103	1/31/2006	2.6
48103	2/16/2007	2.6
48103	2/5/2007	2.6
48103	1/28/2006	2.6
48103	12/12/2005	2.6
48103	1/24/2006	2.6
48103	2/13/2006	2.6
48103	2/9/2006	2.6
48103	11/27/1998	2.9
48103	4/14/1997	2.9
48103	2/7/1994	2.9
48103	1/31/1994	2.9
48103	7/16/2004	2.8
48103	2/4/2006	2.8
48103	3/10/2006	2.8
48103	2/2/2007	2.8
48103	11/28/2005	2.8
48103	2/6/2006	2.7
48103	4/22/2006	2.7
48103	12/10/2007	2.7
48103	2/13/2007	2.6
48103	5/22/2009	2.6
48103	3/3/2007	2.6
48103	11/9/2007	2.6
48103	5/3/2003	2.9
48103	2/25/2002	2.9
48103	2/25/2002	2.9
48103	1/25/2003	2.9
48103	6/1/2002	2.9
48103	1/28/2003	2.9
48103	9/6/2005	2.9
48103	5/1/2006	2.8
48103	2/12/2007	2.8
48103		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	2/9/2007		2.8
48103	1/30/2006		2.8
48103	1/14/2008		2.8
48103	7/2/1994		2.6
48103	11/29/1994		2.6
48103	11/6/2000		2.6
48103	6/16/2005		2.9
48103	2/20/2006		2.9
48103	2/22/2007		2.9
48103	2/6/2006		2.9
48103	5/16/2008		2.8
48103	10/12/2007		2.8
48103	5/7/2007		2.8
48103	12/21/2009		2.7
48103	2/14/2009		2.7
48103	3/2/2009		2.7
48103	3/19/2009	<	0.3
48103	2/6/2006		3.8
48103	11/7/2005		3.8
48103	7/24/2006		3.8
48103	2/2/2007		3.8
48103	1/10/2008		3.8
48103	1/18/2008		3.8
48103	2/20/2007		3.8
48103	12/8/2004		3.6
48103	8/27/2004		3.6
48103	3/31/2004		3.6
48103	2/16/2007		3.6
48103	2/25/2008	<	0.3
48103	3/9/2007	<	0.3
48103	2/23/2009	<	0.3
48103	2/24/2009	<	0.3
48103	2/7/2001		3.8
48103	11/12/2009		3.8
48103	1/26/2007		3.6
48103	12/19/2005		3.6
48103	2/6/2006		3.6
48103	11/9/2007		3.6
48103	1/29/2009		3.6
48103	1/31/2009		3.6
48103	4/3/2009		3.6
48103	2/6/2009		3.6
48103	10/28/1997		3.5
48103	4/7/2004		3.5
48103	7/12/2005		3.5
48103	6/16/2004		3.5
48103	1/15/2004		3.5
48103	11/13/2004		3.5
48103	12/2/1994	<	0.3
48103	3/14/1995	<	0.3
48103	3/27/2009		3.5
48103	2/28/2005		3.5
48103	2/13/2006		3.5
48103	8/4/2006		3.5
48103	2/6/2006		3.5
48103	1/30/2006		3.5
48103			

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	5/22/2007		3.5
48103	8/3/1998		3.4
48103	1/31/1994		3.4
48103	10/15/1998		3.4
48103	1/16/2003		3.4
48103	10/14/2004		3.4
48103	2/6/2007		3.4
48103	1/30/2006		3.4
48103	5/1/2006		3.4
48103	2/13/2006		3.4
48103	2/9/2006		3.4
48103	6/5/2006		3.4
48103	10/24/2000	<	0.3
48103	10/25/2000	<	0.3
48103	2/11/2003		3.2
48103	1/30/2003		3.2
48103	5/31/2003		3.2
48103	10/29/2001		3.2
48103	12/20/2001		3.2
48103	5/16/2002		3.2
48103	1/6/2007		3.1
48103	1/27/2006		3.1
48103	9/21/2000	<	0.3
48103	9/21/2000	<	0.3
48103	8/7/2000	<	0.3
48103	3/4/2006		3.2
48103	4/22/2006		3.2
48103	2/15/2006		3.2
48103	2/4/2006		3.2
48103	10/17/2008		3.1
48103	3/15/2008		3.1
48103	3/5/2009		3.4
48103	8/20/2001		3.3
48103	11/16/1996		3.3
48103	2/12/1999		3.3
48103	1/26/2001	<	0.3
48103	2/9/2001	<	0.3
48103	7/5/1994		3.1
48103	10/30/2002		3.3
48103	3/10/2003		3.3
48103	2/18/2004		3.3
48103	11/16/2006		3.2
48103	11/15/2007		3.2
48103	6/14/1999	<	0.3
48103	6/21/1999	<	0.3
48103	6/19/1999	<	0.3
48103	12/10/2004		3.3
48103	2/6/2006		3.3
48103	2/13/2007		3.3
48103	2/8/2006		3.3
48103	2/6/2006		3.3
48103	7/22/2008		3.2
48103	3/15/2008		3.2
48103	12/10/1994		3.2
48103	1/24/2001		3.2
48103	3/6/2009		3.1
48103			

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	1/9/2010		3.1
48103	2/10/2009		3.1
48103	2/4/2009		3.2
48103	8/3/1998		3.1
48103	2/15/1999		3.1
48103	10/19/1998		3.0
48103	2/18/1999		3.0
48103	2/22/1999		3.0
48103	11/3/2003		3.0
48103	11/9/2007		3.3
48103	2/8/1999		3.9
48103	2/24/2003		3.9
48103	12/13/2002		3.9
48103	3/28/2003		3.9
48103	6/26/2003		3.9
48103	2/6/2009		3.8
48103	11/29/1995		3.7
48103	10/14/1995		3.7
48103	11/2/2002		3.1
48103	8/17/2009	<	0.3
48103	2/2/2004		3.9
48103	1/24/2005		3.9
48103	11/13/2004		3.9
48103	10/16/2006		3.9
48103	1/28/2003		3.7
48103	10/17/2005		3.7
48103	2/14/2005		3.7
48103	11/22/2004		3.7
48103	9/6/2005		3.7
48103	10/31/2005		3.7
48103	2/15/2005		3.0
48103	3/7/2005		3.0
48103	2/6/2004		3.0
48103	12/11/2009	<	0.3
48103	3/30/2006		3.9
48103	11/9/2007		3.9
48103	1/18/1995		3.9
48103	9/10/1999		3.9
48103	1/10/2000		3.9
48103	4/9/2007		3.7
48103	2/9/2006		3.7
48103	2/8/2007		3.7
48103	3/20/2008		3.7
48103	8/17/1999		3.3
48103	4/3/2009		3.3
48103	11/10/2009	<	0.3
48103	11/2/2009	<	0.3
48103	3/2/2009		3.9
48103	2/26/2009		3.9
48103	6/9/2007		3.7
48103	12/14/2007		3.7
48103	2/26/2007		3.7
48103	10/31/2008		3.7
48103	10/29/2007		3.7
48103	7/27/2007		3.7
48103	6/3/1994		3.7
48103			



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	3/6/2003		3.1
48103	11/2/2001		3.1
48103	12/17/2004		3.1
48103	2/15/2005		3.1
48103	11/1/2004		3.1
48103	3/27/1998		3.8
48103	4/4/2000		3.7
48103	3/20/2009		3.7
48103	2/14/2009		3.7
48103	6/24/2009		3.7
48103	3/27/2009		3.7
48103	7/9/1994		3.4
48103	4/20/1999		3.4
48103	6/29/2009	<	0.3
48103	4/15/2009	<	0.3
48103	10/30/2001		3.8
48103	3/20/2003		3.8
48103	12/13/2001		3.8
48103	12/1/2003		3.8
48103	8/2/2005		3.8
48103	5/14/2005		3.8
48103	11/5/2001		3.6
48103	4/14/1997		3.2
48103	2/27/2009	<	0.3
48103	2/27/2009	<	0.3
48103	2/26/2009	<	0.3
48103	3/4/2006		1.7
48103	4/28/2007		1.7
48103	2/16/1999		1.7
48103	11/16/2001		1.7
48103	6/17/2002		1.7
48103	8/11/2003		1.7
48103	10/27/2001		1.7
48103	3/13/2003		1.7
48103	10/29/2002		1.7
48103	2/22/2003		1.7
48103	6/25/2004		1.7
48103	11/3/2004		1.7
48103	3/26/2004		1.7
48103	4/21/2005		1.7
48103	2/15/2005		1.7
48103	2/16/2007		1.7
48103	2/6/2006		1.7
48103	1/14/2003		7.6
48103	2/14/2004		7.6
48103	3/3/2007		7.6
48103	3/27/2009		7.3
48103	12/14/1998		7.2
48103	9/26/2006		7.2
48103	2/4/2006		7.2
48103	9/2/2008		6.9
48103	1/14/2000		6.9
48103	3/14/2009		6.9
48103	11/28/1997		6.8
48103	4/16/2005		6.6
48103	4/10/2006		6.6
48103			

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	10/23/2007	6.6
48103	8/11/2008	6.6
48103	7/17/2001	6.6
48103	1/24/2000	7.6
48103	4/6/2009	7.6
48103	2/22/1999	7.5
48103	5/1/2003	7.5
48103	2/2/2007	7.5
48103	2/7/2006	7.5
48103	6/5/1999	7.2
48103	1/24/2009	7.2
48103	12/21/2002	7.1
48103	10/17/2005	7.1
48103	2/20/2006	6.8
48103	11/7/2007	6.8
48103	7/13/2009	6.8
48103	4/24/2003	6.5
48103	3/16/2005	6.5
48103	6/11/2004	6.5
48103	2/25/2006	6.5
48103	1/26/2006	6.5
48103	4/16/2008	6.5
48103	8/18/2007	6.5
48103	7/24/2007	6.5
48103	4/28/2007	6.5
48103	8/13/1999	6.5
48103	2/12/2009	6.5
48103	4/3/2009	6.5
48103	4/3/2009	6.5
48103	2/7/2003	6.4
48103	6/1/2002	6.4
48103	2/27/2007	6.4
48103	6/9/2008	6.4
48103	7/21/1994	6.4
48103	11/13/2009	6.4
48103	5/22/2009	6.4
48103	4/13/2009	6.3
48103	11/9/2009	6.3
48103	11/3/2009	6.3
48103	11/3/1997	6.2
48103	7/15/1996	6.2
48103	2/4/1994	6.2
48103	6/5/2003	6.2
48103	10/17/2001	6.2
48103	2/24/2003	6.2
48103	1/22/2007	6.2
48103	2/27/2007	6.2
48103	1/28/2006	6.2
48103	11/22/2008	6.2
48103	12/6/2005	6.1
48103	6/14/1999	6.1
48103	6/9/2006	4.9
48103	2/9/2006	4.9
48103	2/17/2006	4.9
48103	3/13/2006	4.9
48103	12/10/2007	4.9
48103		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	2/28/2009	6.1
48103	3/7/1994	6.0
48103	8/24/2002	6.0
48103	6/2/2003	6.0
48103	8/1/2005	6.0
48103	4/2/2004	6.0
48103	5/25/2006	5.6
48103	1/20/2007	5.6
48103	1/12/2008	5.6
48103	11/9/2007	5.6
48103	1/25/2010	5.6
48103	4/17/2006	5.2
48103	11/23/2007	5.2
48103	12/24/2008	5.2
48103	4/10/2007	5.2
48103	4/3/2004	4.6
48103	2/10/2007	4.6
48103	1/24/2006	4.6
48103	1/26/2006	6.0
48103	1/28/2006	6.0
48103	10/11/2008	6.0
48103	1/15/2000	6.0
48103	12/8/2009	6.0
48103	2/12/2009	5.6
48103	9/17/1998	5.5
48103	4/24/1996	5.5
48103	2/15/2000	5.2
48103	7/3/2009	5.2
48103	3/28/1998	5.1
48103	6/11/2001	4.9
48103	2/12/2009	4.9
48103	2/13/1998	4.8
48103	8/3/1998	4.8
48103	3/27/1999	5.9
48103	2/19/1996	5.9
48103	2/16/1999	5.9
48103	3/8/1997	5.9
48103	2/9/2002	5.9
48103	12/17/2001	5.9
48103	4/5/2003	5.9
48103	12/9/2003	5.9
48103	11/28/2005	5.9
48103	4/19/2004	5.9
48103	12/26/2009	5.5
48103	2/28/2003	5.1
48103	6/1/2002	5.1
48103	7/31/2009	4.8
48103	12/3/2008	4.8
48103	4/14/1997	4.7
48103	10/4/1995	4.7
48103	2/11/2006	5.9
48103	10/24/2007	5.9
48103	9/15/2008	5.9
48103	7/1/1999	5.9
48103	5/5/1999	5.9
48103	3/27/2000	5.9
48103		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	1/27/2000	5.9
48103	2/20/2009	5.9
48103	11/16/2009	5.9
48103	2/17/2009	5.9
48103	4/6/2009	5.5
48103	12/8/2008	5.5
48103	11/24/1997	5.4
48103	11/24/1997	5.4
48103	1/23/2003	5.4
48103	5/9/2003	5.4
48103	12/22/2003	5.4
48103	1/28/2006	5.1
48103	4/9/2007	5.1
48103	2/20/1995	5.1
48103	1/13/2003	4.7
48103	8/7/2003	4.7
48103	3/28/2005	4.7
48103	1/29/2003	5.8
48103	2/15/2005	5.8
48103	4/27/2006	5.8
48103	2/14/2006	5.4
48103	2/13/2006	5.4
48103	3/22/2007	5.4
48103	10/30/1995	5.0
48103	8/15/1997	5.0
48103	2/12/1999	5.0
48103	2/7/2003	5.0
48103	2/27/2003	5.0
48103	10/29/2001	5.0
48103	1/20/2003	5.0
48103	1/25/2003	4.8
48103	11/5/2002	4.8
48103	4/2/2003	4.8
48103	11/1/2001	4.8
48103	7/5/2005	4.8
48103	2/20/2006	4.8
48103	3/27/2009	5.4
48103	1/24/2009	5.4
48103	1/24/2009	5.4
48103	5/1/1997	5.3
48103	1/5/2002	5.3
48103	2/2/2007	5.0
48103	3/14/2006	5.0
48103	1/28/2006	5.0
48103	2/15/2000	4.7
48103	11/2/2009	4.7
48103	8/7/2009	4.7
48103	2/5/2002	5.7
48103	4/23/2005	5.7
48103	6/22/2006	5.7
48103	8/2/2004	5.3
48103	1/28/2006	5.3
48103	2/13/2006	5.3
48103	2/11/2006	5.3
48103	6/22/2001	5.0
48103	8/25/2006	4.7
48103		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	4/18/2008	4.7
48103	5/22/2009	4.7
48103	2/15/2000	4.7
48103	4/21/2008	5.7
48103	9/24/2007	5.7
48103	12/10/2005	5.3
48103	6/9/2008	5.3
48103	10/2/2008	5.3
48103	2/21/2009	5.3
48103	3/1/1999	4.9
48103	5/20/1997	4.9
48103	11/5/2002	4.9
48103	1/15/2002	4.9
48103	2/3/2003	4.9
48103	4/9/2002	4.9
48103	4/30/2004	4.9
48103	1/18/2007	4.8
48103	3/21/2008	4.8
48103	2/8/1999	5.6
48103	2/16/1998	5.6
48103	10/27/2001	5.6
48103	12/26/2009	5.3
48103	3/5/1998	5.2
48103	7/20/1995	5.2
48103	2/3/2003	5.2
48103	4/11/2003	5.2
48103	6/1/2002	5.2
48103	12/22/2003	5.2
48103	7/5/2005	5.2
48103	12/19/1996	7.9
48103	3/21/2002	7.9
48103	11/1/2002	7.9
48103	1/18/2002	7.9
48103	3/5/2007	7.9
48103	10/24/2007	7.5
48103	5/2/2000	7.5
48103	8/21/2000	7.5
48103	9/29/1999	7.5
48103	7/13/2009	7.5
48103	1/21/2002	7.4
48103	1/16/2003	7.4
48103	8/19/2005	7.4
48103	2/18/2005	7.4
48103	2/5/2007	7.1
48103	8/9/2007	7.1
48103	2/17/2009	7.1
48103	6/27/1995	7.0
48103	3/5/1999	7.0
48103	9/1/1998	6.7
48103	9/29/1997	6.7
48103	1/29/2003	6.7
48103	11/26/2001	6.7
48103	2/13/2003	6.7
48103	2/2/2007	6.7
48103	4/13/2009	7.9
48103	4/3/2006	7.8
48103		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	2/13/2006	7.4
48103	12/11/2009	7.4
48103	9/6/1997	7.3
48103	2/20/2006	7.0
48103	5/22/2008	6.7
48103	2/7/2000	6.7
48103	7/2/2001	6.7
48103	2/6/2009	6.7
48103	11/21/2009	6.7
48103	4/3/1999	7.8
48103	2/10/2000	7.8
48103	1/24/2009	7.8
48103	1/26/2009	7.8
48103	2/2/2007	7.7
48103	5/7/2003	7.3
48103	10/26/2002	7.3
48103	2/11/2003	7.3
48103	2/15/2006	7.3
48103	5/4/2006	7.3
48103	1/21/1995	7.3
48103	12/3/2001	6.9
48103	2/28/2002	6.9
48103	1/17/2009	2.0
48103	3/5/2009	2.0
48103	5/28/1994	25.5
48103	2/15/2006	25.3
48103	2/20/2006	23.8
48103	12/11/2002	23.6
48103	4/2/1997	23.4
48103	3/10/2009	18.3
48103	5/8/2003	18.2
48103	6/6/2002	18.1
48103	12/9/2002	17.6
48103	7/8/2003	2.0
48103	7/18/2003	2.0
48103	11/12/2001	2.0
48103	10/6/2003	2.0
48103	4/9/1997	59.5
48103	2/7/2006	49.8
48103	1/8/2007	49.2
48103	3/11/1996	48.9
48103	6/27/2008	48.5
48103	3/18/1999	44.8
48103	4/3/2006	42.1
48103	1/27/2009	23.1
48103	11/1/2004	22.6
48103	10/14/1996	22.2
48103	2/6/2009	21.9
48103	2/10/2003	17.4
48103	4/15/2006	17.1
48103	10/29/2001	16.9
48103	4/3/2009	16.9
48103	11/20/2004	16.8
48103	1/10/2003	16.7
48103	2/20/1999	16.3
48103	7/31/2006	16.1
48103		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	10/22/2007	16.1
48103	1/22/2008	16.0
48103	2/9/2009	16.0
48103	12/7/2005	15.9
48103	11/14/2002	15.7
48103	12/1/1997	14.1
48103	1/5/2002	14.1
48103	10/21/2004	14.1
48103	12/24/2005	14.1
48103	4/3/2006	14.0
48103	4/7/2008	14.0
48103	2/12/2000	14.0
48103	12/18/1996	13.9
48103	2/7/2003	13.9
48103	1/17/1996	13.7
48103	2/11/1995	15.4
48103	10/28/2000	15.4
48103	7/20/2004	15.1
48103	5/18/2007	15.1
48103	3/5/2009	15.1
48103	3/23/2004	15.0
48103	6/27/2003	14.9
48103	11/6/2001	14.7
48103	10/15/2004	14.7
48103	11/24/2007	14.7
48103	2/26/2009	14.6
48103	1/23/2001	14.5
48103	10/29/2001	14.3
48103	2/21/2003	14.2
48103	6/5/2004	14.2
48103	2/21/2008	13.6
48103	3/29/1999	13.5
48103	4/30/2005	13.5
48103	2/7/2006	13.5
48103	2/16/2007	13.5
48103	10/26/1996	13.4
48103	9/12/1997	13.4
48103	6/11/1999	13.4
48103	12/23/2002	13.3
48103	10/29/2001	13.2
48103	2/18/2005	13.2
48103	2/11/1995	13.1
48103	2/5/1996	13.0
48103	4/27/2004	13.0
48103	3/3/2006	13.0
48103	7/25/2003	12.9
48103	1/17/2004	12.9
48103	10/30/2001	12.8
48103	1/18/2003	12.7
48103	2/6/2006	12.7
48103	3/2/2009	12.6
48103	9/13/2006	12.5
48103	4/17/1998	12.4
48103	10/22/2001	12.4
48103	11/9/2001	12.4
48103	2/16/1995	9.0
48103		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

### AREA RADON INFORMATION

	11/12/2009	9.0
48103	3/12/2005	8.9
48103	4/16/2004	8.9
48103	2/9/2007	8.9
48103	8/28/1999	8.9
48103	11/27/2009	12.4
48103	11/6/1995	12.2
48103	1/21/2003	11.1
48103	4/28/2001	11.1
48103	1/20/2003	11.0
48103	5/12/1999	10.2
48103	1/17/2002	10.1
48103	5/3/2004	10.1
48103	10/26/2004	10.1
48103	2/26/2004	10.1
48103	4/25/2006	10.1
48103	3/14/2006	10.1
48103	6/18/1999	10.1
48103	6/3/1995	10.0
48103	2/28/2003	10.0
48103	10/13/1998	8.0
48103	3/22/1996	12.0
48103	3/6/2009	12.0
48103	2/12/1999	11.9
48103	2/2/2009	11.9
48103	11/16/2006	10.9
48103	11/13/2002	10.8
48103	1/21/2003	10.8
48103	3/17/2008	10.8
48103	3/14/2000	10.8
48103	7/12/1997	10.7
48103	10/30/1997	10.7
48103	2/22/1999	10.7
48103	5/16/2009	10.0
48103	12/6/2001	9.9
48103	2/2/2007	9.9
48103	6/6/1994	8.9
48103	6/25/2009	8.9
48103	3/12/2003	8.8
48103	2/25/2006	8.8
48103	2/2/2007	8.8
48103	2/15/2000	8.8
48103	2/13/2006	11.8
48103	2/3/2006	11.8
48103	4/7/2008	11.8
48103	11/6/2001	11.7
48103	11/27/2004	11.7
48103	1/30/2006	11.7
48103	2/6/2009	11.7
48103	1/24/2005	11.6
48103	4/7/2003	10.7
48103	10/29/2001	10.7
48103	4/5/2004	10.6
48103	4/7/2006	10.6
48103	3/25/1999	10.5
48103	12/1/2009	9.8
48103		



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	7/23/2002	9.7
48103	7/21/2004	9.7
48103	4/3/2006	8.5
48103	2/20/2006	8.5
48103	3/30/2006	8.5
48103	4/10/2006	8.5
48103	9/24/2007	8.5
48103	1/21/2003	8.4
48103	11/5/2004	8.4
48103	2/27/2006	11.6
48103	11/16/2007	11.6
48103	10/29/2007	11.4
48103	6/18/1999	11.4
48103	7/24/2004	10.5
48103	11/16/2005	10.5
48103	6/5/2006	10.5
48103	2/21/2009	10.5
48103	3/30/2004	10.4
48103	2/27/2006	9.7
48103	2/7/2006	9.7
48103	1/6/2006	9.6
48103	10/2/2007	9.6
48103	2/27/2006	8.4
48103	5/1/2006	8.4
48103	4/4/2009	8.4
48103	2/22/1999	8.3
48103	3/30/2004	8.3
48103	5/15/2008	11.3
48103	3/15/1996	11.2
48103	2/16/2005	11.2
48103	2/27/2006	11.2
48103	2/13/2009	10.4
48103	8/30/2006	10.3
48103	10/10/2007	10.3
48103	11/28/1998	10.2
48103	3/21/2003	10.2
48103	12/1/2003	10.2
48103	5/5/1997	9.5
48103	2/11/2002	9.4
48103	2/28/2003	8.7
48103	6/18/2004	8.7
48103	12/22/2006	8.7
48103	9/13/2008	8.7
48103	11/29/1999	8.7
48103	12/9/2002	2.1
48103	1/12/2005	2.1
48103	3/7/2005	2.1
48103	3/11/2004	2.1
48103	4/16/2005	2.0
48103	11/4/2005	2.0
48103	9/6/2005	2.0
48103	4/28/2007	9.4
48103	4/4/2003	9.3
48103	8/13/1999	8.2
48103	2/2/2009	8.2
48103	4/17/2002	8.1
48103		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	2/17/2006	8.1
48103	3/18/2005	2.1
48103	3/4/2006	2.1
48103	1/28/2006	2.1
48103	3/23/2006	2.0
48103	2/8/2006	2.0
48103	3/31/2006	2.0
48103	11/16/1995	9.2
48103	4/8/1997	9.2
48103	7/28/2004	9.2
48103	7/12/1997	9.1
48103	3/22/2008	8.3
48103	1/31/1995	8.3
48103	2/22/2003	8.2
48103	4/8/2002	8.2
48103	4/5/2004	8.2
48103	12/9/2004	8.2
48103	2/27/2006	8.2
48103	5/8/2006	8.2
48103	2/27/2006	2.1
48103	5/22/2009	2.1
48103	5/22/2006	2.0
48103	2/18/2000	9.1
48103	2/3/2009	9.1
48103	8/26/1995	9.0
48103	10/27/2001	9.0
48103	4/22/2002	9.0
48103	7/17/2006	9.0
48103	9/6/2005	8.6
48103	4/15/1999	8.6
48103	12/1/2000	8.6
48103	11/16/2009	8.6
48103	8/27/2001	8.5
48103	3/28/2008	2.1
48103	11/30/1994	2.1
48103	3/20/2008	2.0
48103	10/25/2002	21.6
48103	1/13/2003	20.9
48103	6/18/2001	30.6
48103	6/1/1998	20.2
48103	1/13/2003	20.0
48103	12/10/2002	19.6
48103	8/17/2009	2.1
48103	6/9/2009	2.1
48103	3/5/2009	2.1
48103	1/9/2009	2.0
48103	1/18/2002	28.6
48103	5/28/1994	26.7
48103	2/20/2009	19.2
48103	4/3/2009	19.1
48103	5/21/2003	18.7
48103	4/10/2006	18.7
48103	2/9/2009	18.7
48103	6/27/1995	1.6
48103	2/20/1999	1.6
48103	11/24/2003	1.6
48103		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	10/27/2001	1.6
48103	12/6/2001	1.6
48103	1/17/2002	1.6
48103	1/30/2004	1.6
48103	5/28/2007	1.6
48103	6/5/2009	4.5
48103	2/6/2009	4.5
48103	2/21/2009	4.5
48103	3/6/2009	4.5
48103	2/2/2009	4.5
48103	10/20/1997	4.4
48103	7/21/2003	4.4
48103	2/22/2007	4.3
48103	2/2/2006	4.3
48103	2/10/2000	4.2
48103	2/11/2009	4.2
48103	2/14/2009	4.2
48103	2/21/2009	4.2
48103	3/20/2009	4.2
48103	5/30/2003	4.0
48103	2/7/2003	4.0
48103	8/28/2004	4.0
48103	1/28/2002	4.4
48103	2/15/2005	4.4
48103	4/12/2004	4.4
48103	11/7/2005	4.4
48103	5/7/2009	4.3
48103	9/24/2007	4.3
48103	3/2/1998	4.1
48103	10/25/2001	4.1
48103	12/5/2001	4.1
48103	11/3/2001	4.1
48103	6/1/2002	4.1
48103	2/7/2003	4.1
48103	2/13/2006	4.0
48103	3/6/2006	4.0
48103	5/7/2009	4.0
48103	7/6/2007	4.6
48103	5/22/2006	4.4
48103	1/28/2006	4.4
48103	2/14/2006	4.4
48103	7/20/2007	4.4
48103	1/28/2000	4.4
48103	1/11/2000	4.4
48103	1/24/2009	4.3
48103	3/16/2009	4.3
48103	11/24/2009	4.3
48103	4/30/2003	4.1
48103	2/20/2006	4.1
48103	12/16/2006	4.1
48103	6/22/2006	4.1
48103	1/18/2010	4.6
48103	2/21/2009	4.6
48103	2/17/2009	4.6
48103	5/14/1997	4.5
48103	4/6/1998	4.5
48103		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	10/30/2001	4.5
48103	1/31/1994	4.4
48103	3/27/2009	4.4
48103	3/25/2009	4.4
48103	8/25/2003	4.2
48103	10/30/2002	4.2
48103	12/13/2002	4.2
48103	3/14/2003	4.2
48103	3/28/2003	4.2
48103	5/8/2006	4.2
48103	1/26/2006	4.1
48103	2/13/2006	4.1
48103	5/14/2009	4.1
48103	3/9/2007	4.1
48103	3/31/2008	4.1
48103	11/8/2001	4.5
48103	2/6/2007	4.5
48103	4/22/2006	4.5
48103	1/28/2006	4.5
48103	3/13/2006	4.5
48103	11/6/2006	4.5
48103	7/16/2002	4.3
48103	1/17/2002	4.3
48103	10/27/2001	4.3
48103	2/21/2006	4.2
48103	2/13/2006	4.2
48103	7/27/2001	4.1
48103	2/7/2009	4.1
48103	2/6/2009	4.1
48103	5/5/1997	4.0
48103	4/18/1997	4.0
48103	2/8/2006	4.5
48103	4/4/2000	4.5
48103	4/16/2009	1.6
48103	2/17/2009	1.6
48103	3/18/1999	1.5
48103	9/11/1995	1.5
48103	7/5/1995	1.5
48103	2/3/2007	1.6
48103	11/7/2005	1.6
48103	2/15/2007	1.6
48103	4/10/2006	1.6
48103	4/10/2006	1.6
48103	4/24/2006	1.6
48103	6/3/2006	1.6
48103	2/4/2006	1.6
48103	3/2/2007	1.6
48103	8/18/2007	1.6
48103	4/8/2008	1.6
48103	8/9/1999	1.6
48103	3/6/2009	1.6
48103	8/17/2009	1.6
48103	2/16/2007	1.5
48103	10/7/2006	1.5
48103	7/17/2006	1.5
48103	7/11/2008	1.5
48103		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

	6/13/2001	1.5
48103	3/6/2002	1.5
48103	11/6/2001	1.5
48103	5/21/2005	1.5
48103	3/2/2005	1.5
48103	3/26/2003	1.4
48103	2/28/2004	1.4
48103	2/13/2006	1.4
48103	4/18/2009	1.5
48103	4/25/2009	1.5
48103	5/9/2009	1.5
48103	2/5/2009	1.5
48103	2/5/2009	1.5
48103	3/25/1997	1.4
48103	10/30/1995	1.4
48103	8/24/1995	1.4
48103	4/14/1997	1.4
48103	2/16/1999	1.4
48103	11/29/2007	1.4
48103	5/12/1999	1.4
48103	1/22/2010	1.4
48103	1/19/2010	1.4
48103	6/2/2006	1.4
48103	2/2/2007	1.4
48103	5/5/2007	1.4
48103	2/9/2006	1.4
48103	2/4/2006	1.4
48103	4/17/2006	1.4
48103	5/20/2008	1.4
48103	4/5/2008	1.4

Federal EPA Radon Zone for WASHTENAW County: 1

- 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.

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Federal Area Radon Information for Zip Code: 48103

Number of sites tested: 25

<u>Area</u>	<u>Average Activity</u>	<u>% &lt;4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% &gt;20 pCi/L</u>
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	4.768 pCi/L	72%	24%	4%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

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

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

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

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

### STATE RECORDS

#### Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

The data in this file was obtained from Wellogic, the Michigan Department of Environmental Quality Statewide Groundwater Database (SGWD). Wellogic contains approximately 425,000 water well records found within the State of Michigan, and although it represents the best available data, it cannot be considered a complete database of all the wells or well records in existence.

## OTHER STATE DATABASE INFORMATION

#### Michigan Oil and Gas Wells

Source: Department of Environmental Quality

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

### RADON

#### State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551

Radon Test Results

#### Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

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

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### 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

### STREET AND ADDRESS INFORMATION

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**SECTION 10.6**

**MSHDA User Disclosure Statement**

**Owner Questionnaire**

**Title Records**

**MDEQ RRD Perfected Lien List**

**2010 Physical Needs Assessment Report**

**FOIA Requests**

**Legal Description**

**SECTION VIII 2013 - USER'S ENVIRONMENTAL QUESTIONNAIRE AND DISCLOSURE STATEMENT**

The Authority requires the completion of its "User's Environmental Questionnaire and Disclosure Statement" to fulfill Section 6, User's Responsibilities of the ASTM Standard E 1527-05. **The checklist is to be completed and signed by the sponsor (developer), and returned to the Environmental Professional conducting the Phase I. This questionnaire is to be reviewed by the Environmental Professional and incorporated into their Phase I report (the completed User's Questionnaire is to be included in Appendix 10.6 of the Phase I report) Failure to properly complete this process will result in delays.**

In preparing this document, the "User" (Sponsor) must make a good faith effort to answer the questions in the checklist. The preparer presents that to the best of his/her knowledge the above statements and facts are true and correct and that to the best of the preparer's knowledge no material facts have been omitted or misstated. Time and care should be taken to check whatever records are in the user's possession. If any of the following questions are answered in the affirmative or if answers are unknown, are qualified, or cannot be obtained, the burden is on the Environmental Professional to determine whether further inquiry is appropriate. The property user should document the reason for any affirmative answer to provide the consultant with all appropriate information. Moreover, the Environmental Professional must determine if further inquiry in any area where the property owner provides incomplete information is warranted, providing written explanation for their recommendation(s).

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfield's Revitalization Act of 2001 (the "Brownfield's Amendments"), the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

User's (Sponsor's) Name: Norstar Development USA, L.P.  
User's (Sponsor's) Telephone No.: 518-431-1151  
User's (Sponsor's) Fax No.: 518-431-1053  
Subject Property: Miller Manor  
Property Address: 727 Miller  
City: Aran Arbar State: MI Zip: \_\_\_\_\_

**1.0 Environmental Cleanup Liens:**

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

YES  NO (If "YES," please describe)

2.0 **Activity and Land Use Limitations:**

Are you aware of any activity and land use limitations, such as engineering Controls, land use restrictions or institutional controls that are in place at the site and/or have been filed, recorded or unrecorded in a registry under federal, tribal, state or local law?

YES  NO (If "YES," please describe)

3.0 **Specialized Knowledge or Experience of the User:**

(a) As the user of this ESA do you have any knowledge or experience related to the property or nearby properties that could be material to any environmental conditions of this property?

YES  NO (If "YES," please describe)

(b) Are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

YES  NO (If "YES," please describe)

4.0 **Relationship of Purchase Price to Fair Market Value:**

(a) Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

YES  NO (If "YES," please describe)

*Pursuant to an appraisal.*

(b) If you conclude that there is a difference, have you considered whether the lower price is because contamination is known or believed to be present at the property?

YES  NO (If "YES," please describe)

5.0 **Commonly Known or Reasonably Ascertainable Information:**

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

(a) Do you know the past uses of the property? Please List: Residential

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

YES  NO (If "YES," please describe)

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

YES  NO (If "YES," please describe)

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

YES  NO (If "YES," please describe)

6.0 **Presence or Likely Presence of Contamination:**

As the user of this ESA, and based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?

YES  NO (If "YES," please describe)

User's Signature: Lori Harris Date 7/10/13

User's Printed Name: LORI HARRIS

# OWNER/OCCUPANT QUESTIONNAIRE

## Phase I Environmental Site Assessment

Site: Miller Manor 727 Miller, Ann Arbor MI 48103  
Contact Name: Jennifer Hall Phone: 734 794-6721  
Company: Ann Arbor Housing Commission Fax: 734 996-3018  
Relationship to Site: Director / Property Mgr Email: jhall@a2gov.org  
Years at Site/With Company: 2/2

This questionnaire outlines personal knowledge of the interviewee (owner/occupant) of the Site. The questionnaire is to be answered to the best of the interviewee's knowledge, and is considered a true and accurate account of that personal knowledge. The questionnaire refers to current and historical information regarding the property, and will be included within the Phase I ESA report.

### Instructions:

1. Answer all questions and fill in all blanks or circle the answers as indicated
2. If question is not applicable or unknown, please indicate accordingly
3. Indicate known conditions that may affect the Site
4. Any additional information that may not be covered in this questionnaire may be included on additional pages and attached.

### 1. GENERAL INFORMATION

Type of Property (circle one): Industrial Commercial Residential Vacant Agricultural Other

Size of Property: 7 story Size of building(s): 7 story

Site Address: 727 Miller  
Ann Arbor MI 48103

Occupied by: low-income residents

Owned by: City of Ann Arbor / Ann Arbor Housing Commission

Operations/Site Use: residential multifamily & offices

**1a. Current Surrounding Land Use:**

Please indicate names and addresses of the current adjoining properties:

North: Miller Ave  
 South: West Park  
 East: 713 Miller - single family home  
 West: 743 Miller - single family home

**1b. Historical Surrounding Land Use:**

Please indicate names, addresses, and years of occupation of the former/historical adjoining properties:

North: \_\_\_\_\_  
 \_\_\_\_\_  
 South: \_\_\_\_\_  
 \_\_\_\_\_  
 East: \_\_\_\_\_  
 \_\_\_\_\_  
 West: \_\_\_\_\_  
 \_\_\_\_\_

Describe any observations of potential environmental impacts or concerns from adjoining properties:

None  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**2. SITE OVERVIEW**

Please complete the following tables with historical owners and occupants (from current to past).

**2a. Ownership History:**

Owner	Year(s) of Ownership
City of Ann Arbor	1971 - present
Building Systems Housing Corporation	? - 1971

**2b. Occupant History:**

Name	Type of Business	Year(s) of Occupancy
City of Ann Arbor	Government - public housing	1971 - present

**3. UTILITIES**

3a. Potable water supply source:  Municipal  On-Site Well  Other

3b. Sanitary sewer service:  Municipal  On-Site Septic  Other

3c. Storm sewer service:  Municipal Separate Storm Sewers  On-Site Storm Water Retention  
 Municipal Combined sanitary/storm sewer system  Other

3d. Building Heat provided by:  City  Utility  Site

**3e. Utility Company Information:**

Name of Gas Utility: DTE

Name of Oil Supplier: N/A

Name of Electric Utility: DTE

**5. STORAGE TANKS (USTs/ASTs)**

5a. Do you know of former and/or existing USTs or ASTs?: NO

5a. Please provide any knowledge of former and/or existing USTs or ASTs: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**6. CHEMICAL USE & STORAGE (HAZARDOUS SUBSTANCES & PETROLEUM PRODUCTS)**

6a. Please provide any knowledge of former and/or existing chemical use and storage: \_\_\_\_\_

None Known

**6b. Chemical Releases:**

Have there been any spills of reportable quantities of hazardous substances?  Yes  No

If yes, explain: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**7. SOLID WASTE MANAGEMENT**

7a. Has there been any on-Site waste disposal?  Yes  No

If so, describe: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7b. Are there signs of on-Site disposal or fill?  Yes  No

If so, describe: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**8. NON SCOPE CONSIDERATIONS**

**8a. Asbestos**

Has Site had an asbestos survey?  Yes  No

Have there been any asbestos removal or abatement projects? No

**8b. Radon:**

Has a radon gas survey been conducted at the Site?  Yes  No

If yes, describe: currently being conducted

**8c. Wetlands:**

Has a wetland survey been conducted at the Site?  Yes  No

If yes, describe: \_\_\_\_\_

**9. ENVIRONMENTAL CONCERNS**

**Has the Site has any of the following?**

(Please check a box "H" for historically, "C" for currently, "U" for unknown, or "NA" for not applicable)

**H C U NA Date(s)**

Inspections				<input checked="" type="checkbox"/>	
Citations				<input checked="" type="checkbox"/>	
Violations				<input checked="" type="checkbox"/>	
Reportable Spills				<input checked="" type="checkbox"/>	
Third Party Complaints				<input checked="" type="checkbox"/>	

If yes to any of the above, explain: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**10. COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA)/RESOURCE CONSERVATION RECOVERY ACT (RCRA) LIABILITY POTENTIAL:**

**10a.** Is the Site listed on the National Priority List?       Yes       No

If yes, explain: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**10b.** Has the Site ever received notification from any government agency or third party of liability as a Principal Responsible Party in any hazardous waste storage, treatment or disposal site?

Yes       No

If yes, explain: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**10c.** Has the Site ever defended any environmental related claims or litigation asserted by any government agency or third party?       Yes       No

If yes, explain: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**10d.** Based on your knowledge and experience related to the Site, are there any obvious indicators that point to the presence or likely presence of contamination at the Site.       Yes       No

If yes, explain: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SIGNATURE:**

This questionnaire outlines personal knowledge of the interviewee (owner/occupant) of the Site. The questionnaire is to be answered to the best of the interviewee's knowledge, and is considered a true and accurate account of that personal knowledge. The questionnaire refers to current and historical information regarding the property, and will be included within the Phase I ESA report.

Completed By:

Jennifer Hall  
Signature

Jennifer Hall  
Name (Typed or Printed)

Executive Director  
Title

Ann Arbor Housing Commission  
Company

7/9/13  
Date

# ABSOLUTE TITLE, INC.

2875 W. Liberty Rd.  
Ann Arbor, MI 48103  
ph. (734) 662-1050/fax (734) 662-3608

## INVOICE

Date: February 22, 2013

File No.: 73073

To: **Ann Arbor Housing Commission**

Attn: Jennifer Hall

Re: **City of Ann Arbor**  
727 Miller Avenue

Title Search

\$150.00

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## INVOICE

Date: February 22, 2013

File No.: 73073

To: **Ann Arbor Housing Commission**

Attn: Jennifer Hall

Re: **City of Ann Arbor**  
727 Miller Avenue

Title Search

\$150.00

**TITLE SEARCH  
ISSUED BY  
ABSOLUTE TITLE, INC.**


File No.: 73073

**SCHEDULE A**

1. Effective Date: December 3, 2012 at 5:00 P.M.
  
2. Policy or Policies to be issued: Amount  
2006 ALTA Owner's Policy NONE  
  
Proposed Insured:  
NONE
  
3. The estate or interest in the land described or referred to in the Search and covered herein is FEE SIMPLE and is at the effective date hereof vested in:  
  
**City of Ann Arbor, a Michigan Municipal Corporation Acting for The Ann Arbor Housing Commission**
  
4. The land referred to in this Search is situated in the City of Ann Arbor, Washtenaw County, Michigan, and is described as follows:  
  
Lots 36, 37, and 38, Assessor's Plat No. 20, City of Ann Arbor, as recorded in Liber 9 of Plats, Page 4, Washtenaw County Records.  
  
727 Miller Avenue

Due to the limited nature of the search, liability for inaccuracies or errors in the search is limited to refund of the search fee actually paid.

**Absolute Title, Inc.**

By:   
\_\_\_\_\_  
Authorized Signatory  
Phone 662-1050  
Fax 662-3608

**SCHEDULE B - SECTION 1**  
**REQUIREMENTS**

The following are the requirements to be complied with:

1. **Record deed from City of Ann Arbor, a Michigan Municipal Corporation Acting for The Ann Arbor Housing Commission to party to be insured.**
2. **Submit resolution of Ann Arbor City Council authorizing the execution of the deed.**
3. 2012 winter taxes exempt.  
2012 summer taxes exempt, delinquent invoice owing \$275.00, plus interest and penalty.  
All previous years taxes paid.  
Special Assessments: None  
Tax I.D. No. 09-09-29-215-077  
**Requirements: Payment of above or same to be shown on policy.**

**SCHEDULE B - SECTION II**

**EXCEPTIONS**

Schedule B of the policy or policies to be issued will contain exceptions to the following matters unless the same are disposed of to the satisfaction of the Company.

1. Standard exceptions set forth on the inside back cover.
2. Defects, liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records or attaching subsequent to the effective date hereof but prior to the date the proposed Insured acquires for value of record the estate or interest or mortgage thereon covered by this Commitment.
3. Liens for any tax and/or assessment which become due and payable on or after the effective date of this Commitment.
4. Rights of tenants in possession.

Page 2 of 2

and other valuable considerations; subject to easements and restrictions of record.

Dated this 4<sup>th</sup> day of ~~October~~<sup>November</sup>, 1971.

Signed, Sealed and Delivered in Presence of:

*[Handwritten signatures]*

Signed and Sealed:

BUILDING SYSTEMS HOUSING CORPORATION

BY *[Signature]*  
John P. Snavely, Vice President

STATE OF OHIO )  
                  ) SS.  
COUNTY OF CUYAHOGA )

NOV 5 1971  
REAL ESTATE  
TAXATION

On this 4<sup>th</sup> day of ~~October~~<sup>November</sup>, 1971 before me personally appeared John P. Snavely to me personally known who being by me sworn, did say that he is the Vice President of BUILDING SYSTEMS HOUSING CORPORATION, the corporation named in and which executed the within instrement, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors; and said John P. Snavely acknowledged said instrument to be the free act and deed of said corporation.

RECEIVED FOR RECORD

Nov 5 4 14 PM '71

PATRICIA NEWKIRK HARDY  
REGISTER OF DEEDS  
WASHINGTON COUNTY, MICH.

Instrument Drafted by:  
Alan E. Berman  
Attorney at Law  
1600 Central National Bank Bldg.  
Cleveland, Ohio 44114

*[Signature]*  
Notary Public  
ALAN E. BERMAN, Attorney  
NOTARY PUBLIC - ST. CUYAHOGA, OHIO  
My commission has no expiration date.  
Section 4783 R.C.

SEAL

WASHINGTON COUNTY  
TAX CERTIFICATE NO. 17-2255

NOV 5 1971  
REAL ESTATE  
TAXATION

RECEIVED FOR RECORD

Jan 25 3 15 PM '72

PATRICIA NEWKIRK HARDY  
REGISTER OF DEEDS  
WASHINGTON COUNTY, MICH.

Re-Recorded



LIBER 1376 PAGE 820  
Page 1 of 2

D E E D

LIBER 1385 PAGE 281  
Re-Record Deed

KNOW ALL MEN BY THESE PRESENTS: That Building Systems Housing Corporation, Grantor, an Ohio corporation, successor by merger to Housing Development Company, whose address is 3113 Prospect Avenue, Cleveland, Ohio, conveys and warrants to City of Ann Arbor, a Michigan corporation, acting for the Ann Arbor Housing Commission, whose address is 805 W. Washington Street, Ann Arbor, Michigan the following described premises:

Parcel 1

Situated in the County of Washtenaw, State of Michigan, and is described as follows:

Commencing at the northwest corner of lot 7 according to Wm. S. Maynard's Plat of the NW 1/4 of Section 29, town 2 south, range 6 east, running thence east on the south side of the Gorham Road (now Miller Avenue), 52 feet; thence south parallel with the west line of lot 7, 162 feet; thence west parallel with said street, 52 feet to the west line of lot 7; thence north 162 feet to the place of beginning, (now called Lot 36, Assessor's Plat #20), in the City of Ann Arbor, Washtenaw County, Michigan.

Parcel 2

Situated in the County of Washtenaw, State of Michigan, and is described as follows:

Lot 38, Assessor's Plat #20, according to the plat thereof recorded in Liber 9 of Plats, Page 4, Washtenaw County Records.

Parcel 3

Located in the County of Washtenaw, State of Michigan and described as follows:

Lot number 7 and the west half of Lot number 6 and all that part of Lot number 8 which lies southwest of a line intersecting said lot, 16 rods from the center of the Gorham Road and parallel with said road, according to William S. Maynard's Plat of the Northwest Quarter of Section 29, town 2 south, range 6 east, as recorded in Liber "P" of Deeds, page 237, Washtenaw County Records, being in the City of Ann Arbor, Washtenaw County, Michigan; excepting however 50 by 150 feet in the northeast corner of said west half of Lot number 6 heretofore sold to Herman Graf, and excepting land sold to Detroit, Jackson and Chicago Railway in Liber 153 of Deeds, page 217, and also excepting all those parcels as described in Liber 155 of Deeds, page 337; Liber 155, page 226; Liber 153, page 193; Liber 262, page 158; and Liber 272, page 247. Also known as: Lot 37 of Assessor's Plat # 20 according to the plat thereof as recorded in Liber 9 of Plats, Page 4, Washtenaw County Records.

together with all and singular the tenements, hereditaments and appurtenances thereunto belonging or in anywise appertaining, for the full consideration of One Million Six Hundred Thousand Dollars (\$1,600,000).

## **REMEDICATION AND REDEVELOPMENT DIVISION PERFECTED LIEN LIST**

The Department of Environmental Quality (DEQ), Remediation and Redevelopment Division (RRD) has perfected liens on property pursuant to Section 20138 of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), MCL 324.20101 *et seq.*

The following is a current listing of liens perfected by the RRD on property as of the date that appears on this list. The list will be updated **only** when the RRD has perfected a new lien on a property, or has released a lien from a property. A new date will then appear on the list. *This list does not include any lien(s) that may have been perfected by another DEQ Division or other entity.* For information regarding this list, please contact Darren Bowling at 517-241-7603 or by e-mail at [bowling@michigan.gov](mailto:bowling@michigan.gov). For lien information related to the Resource Management Division or the Office of Oil, Gas & Minerals, please call 517-373-4750 or 517-335-6766 respectively.

**The information provided herein cannot be construed or interpreted as legal verification that a perfected lien does not exist on a particular property, or that a lien is the only perfected lien on a property. To obtain legal verification, you must access official records from the appropriate County Register of Deeds and/or the Michigan Secretary of State when applicable.**

<i>County</i>	<i>Township</i>	<i>City/Vlg</i>	<i>Address</i>	<i>Other Description</i>	<i>Lot No</i>	<i>Section</i>	<i>Town</i>	<i>Range</i>	<i>Tax Code</i>
Alcona		Harrisville	216 S. US23			13	T26N	R9E	
Allegan	Watson					24	T2N	R12W	23-24-001-10
Allegan	Watson					24	T2N	R12W	23-24-001-10
Alpena		Alpena	4709 Long Rapids Rd.	Lake Winyah Shores Sub	Lot 43				
Antrim	Milton	Rapid City	12929 Cherry Ave.	Plat of New Highlands	Lot 14				
Antrim		Ellsworth	Vlg. Of Ellsworth						
Antrim		Ellsworth	Vlg. Of Ellsworth						
Antrim		Ellsworth	Vlg. Of Ellsworth			14	T32N	R8W	05-44-013-061-00
Antrim		Ellsworth	Vlg. Of Ellsworth			14	T32N	R8W	05-44-023-004-00
Antrim		Ellsworth	Vlg. Of Ellsworth	Vlg Ellsworth		14	T32N	R8W	05-44-023-002-00
Antrim		Riverview	6235 Crystal Springs Rd.	Supervisor's Plat of Riverview	Lot 1				
Arenac	Mason	Turner	50 Mason Road			12	T20N	R5E	
Arenac		Standish	105 N. Main	Assessor's Plat 5	Lot 370				40-2-500-000-370-00
Arenac	Mason	Turner	50 Mason Road			12	T20N	R5E	
Baraga	L'anse	L'anse	Winter St.			9	T50N	R33W	
Bay		Bay City	1113 Center Ave.	James Fraser's First Addition	Lots 4&5, Blk 3				
Benzie		Lake Ann Vlg	P.O. Box 62 1st St.		Lots 7 & 9, Blk 28				
Berrien	Benton	Benton Harbor					T4S	R18W	11-045-18W-05DB

<i>County</i>	<i>Township</i>	<i>City/Vlg</i>	<i>Address</i>	<i>Other Description</i>	<i>Lot No</i>	<i>Section</i>	<i>Town Range</i>	<i>Tax Code</i>
Berrien		Watervliet	106 E. St. Joseph St.	Sutherland's Addition	Lot 1, exceptions			
Berrien		Watervliet				2	T3S R17W	11-21-0002-0015-01-0
Berrien		Watervliet				2	T3S R17W	11-21-0023-0014-01-6
Branch	Alganssee	Quincy	144/146 Crocket Drive	Woodland plat	Lot 2,3 & land	5	T7S R5W	
Branch	Butler		1031 Clarendon Rd., Quincy, Michigan			15	T5S R5W	
Branch	Butler		1031 Clarendon Rd., Quincy, Michigan			15	T5S R5W	
Branch	Alganssee	Quincy	144/146 Crocket Drive	Woodland plat	Lot 2,3 & land	5	T7S R5W	
Calhoun	Bedford	Battle Creek		Facility ID 00005228	66, 67, + land	29	T1N R8W	13-04-360-058-W
Calhoun	Bedford	Battle Creek		Facility ID 00005228	66, 67, + land	29	T1N R8W	13-04-360-058-W
Calhoun	Marengo	Marshall	1035 East Michigan Ave.			19	T2S R5W	
Calhoun		Battle Creek				4	T2S R8W	13-54-004-048-00
Cass		Dowagiac	111 North Front St.	Patrick Hamilton's Add	Lot 12			
Cheboygan		Cheboygan				29	T38N R1W	16-053-029-303-002-00
Cheboygan		Cheboygan		J M Pennell's First Add to city	Lot 13, Blk 8			
Chippewa		Dafer	9976 Soo Line Rd.			21	T46N R1W	
Chippewa	Kinross	Kincheloe				19,20, 29,30	T45N R1W	008-019-005-00
Delta	Masonville	Rapid River	US2	H.W. Cole's Second Add	Lots 7,8 Blk 11	29	T41N R21W	21-012-341-007-00 & 21-012-179-021-00 & 21-012-179-020-00
Eaton		Grand Ledge	105 E. Saginaw Hwy	Supervisors Plat #2	Pt of Lot 179			23-400-078-001-790- 00 & 791-00 & 791-01
Eaton								
Genesee		Flint	3402 Martin Luther King		Lots 544, 545, & 546			
Genesee		Flint	603 Pingree Ave	Elm Park Sub	Lots 187-195, 196, 230			11-17-352-0187-87
Genesee		Flint	3402 Martin Luther King or 121 E. Pasadena		Lots 548 & 549			
Genesee	Genesee					33	T8N R7E	R-1006-22
Genesee	Genesee					33	T8N R7E	R-1006-22

<i>County</i>	<i>Township</i>	<i>City/Vlg</i>	<i>Address</i>	<i>Other Description</i>	<i>Lot No</i>	<i>Section Town Range</i>			<i>Tax Code</i>
Genesee		Flushing	90 E. Main St.	Assessor's Plat #5	Pt of Lot 98,				
Genesee		Flint	603 Pingree Ave	Elm Park Sub	Lots 187-195, 196, 230				11-17-352-0187-87
Gladwin		Gladwin	420 E. M-61	Woodland Terrace Annex	1,2,3&4 Blk 18	9	T18N	R1E	
Grand Traverse	East Bay						T27N	R10W	28-03220-020-00
Grand Traverse	Blair					7	T26N	R11W	
Grand Traverse	Blair		5175 Sawyer Wood Dr	Woodland Terrace Annex	Lots 1-4 Blk 18	7	T26N	R11W	28-02-007-047-20
Hillsdale	Scipio		Mosherville Rd.			10	T5S	R3W	30-02-010-100-011
Hillsdale	Moscow					15	T5S	R2W	30-03-015-200-012-15-5-2
Hillsdale	Moscow					15	T5S	R2W	30-03-015-200-012-15-5-2
Ingham		Lansing	300 North St.	Turner & Smith's Sub of Lot 6 of Townsend Sub.	Lots 1,2, & Pt. 3 of Lot 6				
Ingham		Lansing	3125 MLK Blvd			29	T4N	R2W	33-01-01-29-476-041
Isabella		Mt. Pleasant	226 S. Main St.		Lot 1 & Pt 2, Blk 25				
Kalamazoo	Wakeshma	Fulton	13995 East W Ave.			16	T4S	R9W	16-16-490-190
Kalamazoo		Portage	9008 Portage Rd.	Ames West Lake Pk.	Lots 58,59,60				
Kalamazoo		Vlg. of Vicksburg		Wolverton's Revised Addition		18	T4S	R10W	39-15-18-100-018
Kalamazoo		Kalamazoo	8011 West D. Ave			21	T1S	R12W	
Kalamazoo		Kalamazoo	3501 South Burdick St.	Supv Plat of Henry Johnson Plat	Lot A				
Kalamazoo	Alamo					26	T1S	R12W	01-26-251-019
Kalkaska	Kalkaska					29	T27N	R7W	
Kalkaska	Kalkaska					29	T27N	R7W	
Kent	Courtland	Rockford	8413 Meyers Lake Rd.			33	T9N	R10W	
Kent		Wyoming	2539 28th St, SW			9	T6N	R12W	41-17-09-451-013
Kent		Grand Rapids			6,7,8,4,5 + add parcel				41-14-19-330-017
Kent		Grand Rapids	2555 Oak Industrial Drive			22	T7N	R11W	

<i>County</i>	<i>Township</i>	<i>City/Vlg</i>	<i>Address</i>	<i>Other Description</i>	<i>Lot No</i>	<i>Section</i>	<i>Town</i>	<i>Range</i>	<i>Tax Code</i>
Kent		Wyoming	2539 28th St, SW			9	T6N	R12W	41-17-09-451-013
Lake	Pleasant Plains		M-37	Pere Marquette Plat	107,108,78,79	22	T17N	R13W	43-17N-13W-22BD
Lake	Pleasant Plains		M-37	Pere Marquette Plat	Lot 2052,53,80-83,103-106	22	T17N	R13W	
Lake	Pleasant Plains		M-37	Pere Marquette Plat	part of 20,21	22	T17N	R13W	
Livingston	Hamburg		10776 Hall Rd			25	T1N	R5E	47-15-25-400-014
Livingston	Putnam					27	T1N	R4E	14-27-400-002 30147080
Livingston		Fowlerville	306 E. Grand River	Fowler's First Add	Lot 39 Blk 2				05-11-302-014
Livingston		Brighton		Smith & McPherson Addition	219,220,221	30	T2N	R6E	18-30-300-017
Livingston		Brighton		Smith & McPherson Addition	219,220,221	30	T2N	R6E	18-30-300-017
Livingston	Hamburg		10776 Hall Rd			25	T1N	R5E	47-15-25-400-014
Macomb	Chesterfield					PC 192	T3N	R14E	09-21-251-002
Macomb	Macomb	Warren			Lot 33 & 13				13-19-353-004
Macomb	Macomb	Warren			Lot 33 & 13				13-19-353-004
Macomb	Chesterfield					PC 192	T3N	R14E	09-21-401-003
Macomb	Chesterfield					PC 192	T3N	R14E	09-21-401-003
Macomb	Chesterfield					PC 192	T3N	R14E	09-21-251-002
Macomb	Shelby				#63,64				07-18-401-005,50-07-593-063-00; 07-18-401-004, 50-07-593-064-00
Monroe	Bedford					28	T8S	R7E	58-08S-07E-28BA
Montcalm	Bloomer					12	T9N	R5W	59-051-700-040-00
Montcalm	Reynolds	Howard City				35	T12N	R10W	59-017-900-083-00 or 092-00
Montcalm	Reynolds	Howard City				35	T12N	R10W	59-017-900-083-00 or 092-00
Montmorency		Atlanta Vlg	103 State St. Box 615		Lots 5 thru 11, Blk 7				
Newaygo	Everett					17	T13N	R12W	

County	Township	City/Vlg	Address	Other Description	Lot No	Section	Town Range	Tax Code
Newaygo	Everett					17	T13N R12W	
Oakland	Independence					33	T4N R9E	08-33-451-001
Oakland	Waterford/ White Lake					7&18 12	T3N R9E T3N R8E	13-07-100-008 12-12- 200-007
Oakland	Farmington	Farmington Hills	29024 Grand River	Richland State Sub. Resub of Richland's Gardens Sub	Lots 45-51	36	T1N R9E	23-36-304-022
Oakland	Waterford		Whitfield Estates		Lot 310			13-08-153-001
Oakland		Milford	City of Milford			10,11	T2N R7E	16-10-228-003
Oakland	Independence					33	T4N R9E	08-33-426-001
Oakland	West Bloomfield	West Bloomfield	7055 Cooley Lake Rd.,	Dewey Beach Sub	Lots 371-374, Pt 375-378			18-06-229-033
Ogemaw	Hill	Lupton	3610 Forest Dr.	Shady Shores Park sub of Gov't Lot 2&3	Pt Lot 1 Blk A, Pt. of Lot 8	8	T23N R4E	
Osceola	Hartwick					1	T19N R8W	67-04-001-001-00
Osceola	Highland	Marion	18814 M-115			35	T20N R8W	
Osceola	Orient					21	T17N R7W	67-11-021-021-10 67- 11-021-022-10
Osceola	Orient					21	T17N R7W	67-11-021-021-10 67- 11-021-022-10
Osceola	Hartwick					1	T19N R8W	67-04-001-001-00
Osceola		Evert	202 E. Seventh		479			
Ottawa	Crockery	Vlg of Nunica		Adsit's Add	Lot 3, Blk 3	15	T8N R15W	70-04-15-430-018 70- 04-14-320-002
Ottawa	Tallmadge				Gov't 4	12	T6N R13W	70-14-12-400-003
Ottawa		Grand Haven		Rycenga's Plat 3	197	21	T8N R16W	70-03-21-415-018
Presque Isle	Presque Isle		17661 Grand Lake Blvd.		17			
Presque Isle	Presque Isle		17661 Grand Lake Blvd.		17			
Presque Isle	Presque Isle			Lot 17, of SUPERVISOR'S PLAT OF SPRINGFIELD CAMP	17			
Presque Isle	Presque Isle			Lot 17, of SUPERVISOR'S PLAT OF SPRINGFIELD CAMP	17			
Roscommon	Denton							

<i>County</i>	<i>Township</i>	<i>City/Vlg</i>	<i>Address</i>	<i>Other Description</i>	<i>Lot No</i>	<i>Section</i>	<i>Town</i>	<i>Range</i>	<i>Tax Code</i>
Saginaw		Chesaning	525 E. Broad St.		Pt of Lot 5, Blk 15	16	T9N	R3E	
Shiawassee	Shiawassee					26	T6N	R3E	
Shiawassee	Shiawassee					26	T6N	R3E	
Shiawassee		Laingsburg		Week's Add	Lot 1, Blk 3				78-022-42-003-001
Shiawassee		Owosso	1725 Corunna Ave.	A V Johnson's Add	Lots 4,5,11, 12,13 Blk 8				
Shiawassee		Laingsburg		Week's Add	Lot 1, Blk 3				78-022-42-003-001
Shiawassee		Owosso	210-300 E Monroe St.	A L Williams Second Addition	Blk 1= 9,10,1; Blk 2 = 1-13 AL Williams Second Add	24	R2E	T7N	78-010-652-001-004
Shiawassee		Owosso	1509 W. Oliver St., City of Owosso			14	T7N	R2E	50-537-000-048-00
St. Clair	Clay		3601 Rattray Lane		Lots 1 & 3				74-14-618-0049-000
St. Joseph	Colon					3	T6S	R9W	
St. Joseph	Colon					3	T6S	R9W	
Tuscola		Caro		Plat of Centerville (Caro)	1and pt 2 Blk23	3	T12N	R9E	
Tuscola	Wisner	Fairgrove	9006 Bay City Forestville Rd.		Parcel B	29	T14N	R7E	10-01-0004-790-06
Van Buren		Vlg of Paw Paw				13	T3S	R14W	
Van Buren		Vlg of Paw Paw				13	T3S	R14W	
Wayne	Brownstown	Flat Rock				28	T4S	R10E	58-081-99-0002-000
Wayne	Brownstown	Flat Rock				28	T4S	R10E	58-081-99-0001-000
Wayne		Woodhaven				28	T4S	R10E	59-080-99-0008-000
Wayne		Woodhaven				28	T4S	R10E	59-080-99-0008-000
Wayne	Brownstown	Flat Rock				28	T4S	R10E	58-081-99-0001-000
Wayne		Woodhaven				28	T4S	R10E	59-080-99-0004-000
Wayne		Detroit	4445 Lawton aka 4450 Lawton	Plat of RR Concessions, PC 729	41-58, Out Lot 8,				
Wayne	Brownstown	Flat Rock				28	T4S	R10E	58-081-99-0002-000
Wayne			65 Piquette	65 Piquette					01-1788-91

<i>County</i>	<i>Township</i>	<i>City/Vlg</i>	<i>Address</i>	<i>Other Description</i>	<i>Lot No</i>	<i>Section Town Range</i>			<i>Tax Code</i>
Wayne		Detroit 48227	14000 Fenkell	Davy's Fenkell Ave Sub	Lots 33-36				
Wexford		Cadillac		Outlot 6 Cummer & Hayes Add.	Outlot 6				10-056-00-026-00
Wexford		Cadillac	Blk 14		4,5,6				
Wexford									
Wexford		Cadillac		Improvement Board's Add to City of Cadillac	Blk 152,153,154;part 156,157,155	32	T22N	R9W	100680000100
Wexford		Cadillac		Improvement Board's Add to City of Cadillac	Blk 152,153,154;part 156,157,155	32	T22N	R9W	100680000100



# PHYSICAL NEEDS ASSESSMENT

## ANN ARBOR HOUSING COMMISSION

727 Miller Avenue  
Ann Arbor, Michigan 48103  
Marge Novak



## PHYSICAL NEEDS ASSESSMENT

of

## MILLER MANOR

727 Miller Avenue  
Ann Arbor, Michigan 48103

### PREPARED BY:

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Hunt Valley, Maryland 21031  
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410.785.6220 (fax)  
[www.emgcorp.com](http://www.emgcorp.com)

### REVIEWED BY:

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**EMG Project #:** 90144.09R-001.052  
**Date of Report:** January 5, 2010  
**On site Date:** June 23 and 24, 2009



**Replacement Reserves Report**  
**Miller Manor**  
**1/5/2010**



Report Section	ID	Cost Description	Lifespan (EUL)	Observed Age (EAge)	Remaining Life (RUL)	Quantity	Unit	Unit Cost	Subtotal	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Deficiency Repair Estimate		
7.2	12401	Replace cast iron pipe 4"	40	26	14	1040	LF	\$51.35	\$53,404																					\$53,404	\$53,404	
7.2	12399	Replace cast iron pipe 6"	40	26	14	200	LF	\$56.42	\$11,284																						\$11,284	\$11,284
7.2	12694	Repac water boiler, gas High Efficiency, 550 to 660 MBH	30	18	12	2	EA	\$32,725.27	\$65,451													\$65,451									\$65,451	
7.2	12405	Replace Circulation pump 1/2 to 3/4 hp	15	8	7	2	EA	\$2,845.00	\$5,690								\$5,690														\$5,690	
7.4	12410	Replace Generator, Natural Gas, 45 KW	25	21	4	1	EA	\$23,350.00	\$23,350				\$23,350																		\$23,350	
7.5	12414	Replace passenger cab finishes	20	14	6	2	EA	\$3,515.00	\$7,030							\$7,030															\$7,030	
7.5	12413	Elevator hydraulic system, replace, 3,500 lb capacity	25	19	6	1	EA	\$15,470.00	\$15,470							\$15,470															\$15,470	
7.5	12412	Replace elevator hydraulic system, 2000 lb capacity	25	19	6	1	EA	\$14,417.00	\$14,417							\$14,417															\$14,417	
7.6	12415	Fire pump electric 500 GPM 27 HP	25	7	18	1	EA	\$24,006.25	\$24,006																			\$24,006		\$24,006		
7.6	12461	Install LED Exit light Retrofit Kit	15	14	1	24	EA	\$59.00	\$1,416		\$1,416																			\$1,416	\$2,832	
8.1	12422	Replace Vinyl tile	18	11	7	1213	SY	\$13.50	\$16,376								\$16,376														\$16,376	
8.1	12417	Replace carpet - residential grade	8	6	2	1413	EA	\$26.26	\$37,105			\$37,105								\$37,105							\$37,105			\$37,105	\$111,316	
8.1	12418	Replace carpet - residential grade	8	5	3	1413	EA	\$26.26	\$37,105				\$37,105							\$37,105								\$37,105		\$37,105	\$111,316	
8.1	12419	Replace carpet - residential grade	8	4	4	1413	EA	\$26.26	\$37,105				\$37,105							\$37,105										\$37,105	\$74,211	
8.2	12425	Range	20	15	5	52	EA	\$468.00	\$24,336						\$24,336																\$24,336	
8.2	12426	Range	20	5	15	52	EA	\$468.00	\$24,336																\$24,336					\$24,336		
8.2	12424	Refrigerator	15	12	3	69	EA	\$350.00	\$24,150				\$24,150															\$24,150		\$48,300		
8.2	12423	Refrigerator	15	4	11	35	EA	\$350.00	\$12,250											\$12,250										\$12,250		
8.2	12428	Residential kitchen cabinets wall and base	25	9	16	1040	LF Front	\$371.98	\$386,859																	\$386,859				\$386,859		
8.3	12432	Window air-conditioner 10,000 Btuh	12	11	1	104	EA	\$360.00	\$37,440		\$37,440											\$37,440								\$37,440		
8.4	12463	Replace Residential Grade water closet with 1.6 GPF unit	25	24	1	36	EA	\$447.00	\$16,092		\$16,092																			\$16,092		
8.4	12436	Install low flow sink aerator	12	11	1	104	EA	\$15.00	\$1,560		\$1,560											\$1,560								\$1,560		
8.4	12437	Install low flow shower head	10	9	1	104	EA	\$40.00	\$4,160		\$4,160										\$4,160									\$4,160		
8.4	12440	Replace vanity cabinet, counter and sink	20	12	8	99	EA	\$608.25	\$60,217									\$60,217												\$60,217		
8.5	12442	Breaker panel 100 amps, comm. 14 circuits	40	27	13	104	EA	\$1,427.20	\$148,429													\$148,429								\$148,429		
<b>Totals, Unescalated</b>										\$84,390	\$103,768	\$179,259	\$61,255	\$75,383	\$34,989	\$69,917	\$161,363	\$76,527	\$25,475	\$203,427	\$53,515	\$134,092	\$195,171	\$333,625	\$289,430	\$826,002	\$31,536	\$162,039	\$108,258	\$3,209,422		
<b>Location Factor (1.00)</b>										\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Totals, Escalated (3.0%, compounded annually)</b>										\$84,390	\$106,881	\$190,176	\$66,935	\$84,845	\$40,561	\$83,485	\$198,457	\$96,941	\$33,239	\$273,388	\$74,078	\$191,183	\$286,615	\$504,638	\$450,923	\$1,325,491	\$52,125	\$275,860	\$189,831	\$4,610,043		

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## CERTIFICATION

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EMG has completed a Physical Needs Assessment (PNA) of the subject property, Miller Manor, located at 727 Miller Avenue in Ann Arbor, Michigan 48103.

The PNA was performed at the Housing Authority's request using methods and procedures consistent with good commercial and customary practice conforming to ASTM E2018-01, *Standard Guide for Property Condition Assessments: Baseline Property Condition Assessment Process*. Within this Physical Needs Assessment Report, EMG's follows the ASTM guide's definition of User, that is, the party that retains EMG for the preparation of a baseline PNA of the subject property. A User may include, without limitation, a purchaser, potential tenant, owner, existing or potential mortgagee, lender, or property manager of the subject property.

This report is exclusively for the use and benefit of the Ann Arbor Housing Commission. The purpose for which this report shall be used shall be limited to the use as stated in the contract between the Housing Authority and EMG.

This report is not for the use or benefit of, nor may any other person or entity rely upon it, without the advance written consent of EMG.

The opinions EMG expresses in this report were formed utilizing the degree of skill and care ordinarily exercised by any prudent architect or engineer in the same community under similar circumstances. EMG assumes no responsibility or liability for the accuracy of information contained within this report that has been obtained from Housing Authority or Housing Authority's representatives, from other interested parties, or from the public domain. The conclusions presented represent EMG's professional judgment based on information obtained during the course of this assignment. EMG's evaluations, analyses, and opinions are not representations regarding the design integrity, structural soundness, or actual value of the property. Factual information regarding operations, conditions, and test data provided by the Housing Authority or the Housing Authority's representative has been assumed to be correct and complete. The conclusions presented within this report are based on the data provided, observations made, and conditions that existed specifically on the date of the assessment.

EMG certifies that EMG has no undisclosed interest in the subject property, that EMG's relationship with the Housing Authority is at arms-length, and that EMG's employment and compensation are not contingent upon the findings or estimated costs to remedy any noted deficiencies due to deferred maintenance and/or any noted component or system replacements.

EMG's PNA cannot wholly eliminate the uncertainty regarding the presence of physical deficiencies and/or the performance of a subject property's building systems. Preparation of a PNA in accordance with ASTM E2018-01 is intended to reduce, but not eliminate, the uncertainty regarding the potential for component or system failure and to reduce the potential that such component or system failure may not be initially observed. This PNA was prepared recognizing the inherent subjective nature of EMG's opinions as to such issues as workmanship, quality of original installation, and estimating the remaining useful life of any given component or system. It should be understood that EMG's suggested remedy may be determined under time constraints or may be formed without the aid of engineering calculations, testing, exploratory probing, the removal of materials, or design. Furthermore, there may be other alternate or more appropriate schemes or methods to remedy the noted physical deficiencies. EMG's opinions are generally formed without detailed knowledge from individuals familiar with the performance of noted components or systems.

Any questions regarding this report should be directed to Edward Beeghly at [ebeeghly@emgcorp.com](mailto:ebeeghly@emgcorp.com) or at 800.733.0660, x7607.

**Prepared by:** Kevin Lantry, Field Observer

**Reviewed by:** 

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Edward Beeghly  
PNA Reviewer  
Program Manager  
[ebeeghly@emgcorp.com](mailto:ebeeghly@emgcorp.com)

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## 1. EXECUTIVE SUMMARY

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### 1.1. SUMMARY OF FINDINGS

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The Ann Arbor Housing Commission contracted with EMG to conduct a Physical Needs Assessment (PNA) of the subject property, Miller Manor, located at 727 Miller Avenue in Ann Arbor, Michigan.

The PNA was performed on June 23 and 24, 2009.

The multi-family property has one 7-story apartment building containing 104 apartment units. The site area is approximately 1.06 acres. The property was constructed in phases. The initial phase, which consists of the main tower and the common areas, was constructed in 1971. Phase II, which consists of the office wing, was constructed in 1993.

On site amenities include a community room, resident lobby, art room, and laundry room.

Generally, the property appears to have been constructed within industry standards in force at the time of construction, to have been well maintained during recent years, and is in good overall condition.

According to property management personnel, the property has had an active capital improvement expenditure program over the past three years, primarily consisting of replacement of the main roof finish and replacement of rooftop HVAC units at the office wing. The fire panel is scheduled to be replaced in the coming weeks. Supporting documentation was not provided but the work is evident.

There are a number of Priority Deficiency Costs that are required during the evaluation period. These needs are identified in the various sections of this report and are summarized in the attached cost tables. A *Project Summary* table is provided as part of the Executive Summary.

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### 1.2. FOLLOW UP RECOMMENDATIONS

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The following issues require additional study:

- Cracking was observed in the brick veneer at the southwest side of the building. A long crack was observed near the stairwell at the west end of the building. An additional crack was observed near a resident balcony at the southwest corner. Smaller cracks were observed on the west exterior wall. The cracks may or may not indicate a structural issue. A professional engineer must be retained to analyze the existing condition, provide recommendations and, if necessary, estimate the scope and cost of any required repairs. The cost to retain an engineer is included in the Replacement Reserves Report. The cost for any possible subsequent repairs is not included in the cost tables.
- The Fair Housing Amendments Act (FHA) of 1988 amended Title VIII of the Civil Rights Act of 1968 to add in the prohibitions against discrimination in housing on the basis of disability and familial status. The Fair Housing Act also made it unlawful to design and construct certain “covered multi-family dwellings” for first occupancy after March 13, 1991, in a manner that makes them inaccessible to persons with disabilities. Based on the date of construction, 1971, Miller Manor is only required to make a reasonable accommodation to comply with the FHA requirements. The resident units at the facility do not appear to be in compliance with the FHA guidelines. The number of accessible units does not meet the FHA guideline of 100% for a high rise building. It is recommended that a full-scope accessibility study be performed at the property to ensure that the required resident units are fully compliant. A full accessibility study will include observations, measurements, and recommendations for compliance. The estimated cost of the study is included in the Replacements Reserves Cost Estimate as a Priority 1 item.



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### 1.3. OPINIONS OF PROBABLE COST

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The estimates for the repair, replacement and modernizations are noted within this PNA are attached to the front of this report, following the cover page.

These estimates are based on invoice or bid documents provided either by the Owner/facility and construction costs developed by construction resources such as *R.S. Means* and *Marshall & Swift*, EMG's experience with past costs for similar properties, city cost indexes, and assumptions regarding future economic conditions.

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### 1.4. METHODOLOGY

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Based upon site observations, research, and judgment, along with referencing Expected Useful Life (EUL) tables from various industry sources, EMG opines as to when a system or component will most probably necessitate replacement. Accurate historical replacement records, if provided, are typically the best source of information. Exposure to the elements, initial quality and installation, extent of use, the quality and amount of preventive maintenance exercised, etc., are all factors that impact the effective age of a system or component. As a result, a system or component may have an effective age that is greater or less than its actual chronological age. The Remaining Useful Life (RUL) of a component or system equals the EUL less its effective age. Projections of Remaining Useful Life (RUL) are based on continued use of the Property similar to the reported past use. Significant changes in tenants and/or usage may affect the service life of some systems or components.

The evaluation period identified in this report is defined as 20 years.

The physical condition of building component to be repaired is typically defined as being in one of five categories: Priority One through Five. For the purposes of this report, the following definitions are used:

- Priority One** = These items are to be addressed as Immediate. Items in this category require immediate action and include corrective measures to:
1. Correct life safety and/or code hazards
  2. Replace items that have reached or exceeded their useful service life
  3. ADA/UFAS deficiencies
- Priority Two** = These items are to be addressed within the next 1-2 years. Items in this category require corrective measures to:
1. Return a facility to normal operation
  2. Stop accelerated deterioration
  3. Replace items that have reached or exceeded their useful service life
  4. May also include items recommended for replacement by the Energy Audit
- Priority Three** = These items are to be addressed within the next 3-5 years. Items in this category, if not corrected expeditiously, will become critical in the next several years. Items in this category include corrective measures to:
1. Stop intermittent interruptions
  2. Correct rapid deterioration
  3. Correct functionality and/or aesthetic issues that are not critical
  4. Correct potential safety hazards
- Priority Four** = These items are to be addressed within the next 6-10 years. Items in this category include conditions requiring appropriate attention to preclude predictable deterioration or potential downtime and the associated damage or higher costs if deferred further.

**Priority Five** = These items are to be addressed within 11-20 years. Items in this category represent a sensible improvement to the existing conditions. These are not required for the most basic function of the facility; however, Priority 5 projects will improve overall usability and/or reduce long-term maintenance costs.

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## 2. PURPOSE AND SCOPE

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### 2.1. PURPOSE

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The purpose of this report is to assist the Ann Arbor Housing Commission in evaluating the physical aspects of this property and how its condition may affect the Housing Authority's financial decisions over time. For this PNA, representative samples of the major independent building components were observed and their physical conditions were evaluated in accordance with ASTM E2018-01. These components include the site and building exteriors and representative interior areas. The estimated cost for repairs and/or capital items is included in the enclosed cost tables. All findings relating to these opinions of probable costs are included in the relevant narrative sections of this Report.

The property management staff and code enforcement agencies were interviewed for specific information relating to the physical property, code compliance, available maintenance procedures, available drawings, and other documentation.

The physical condition of building systems and related components is typically defined as being in one of three conditions: Good, Fair, or Poor. For the purposes of this Report, the following definitions are used:

- Good = Satisfactory as-is. Requires only routine maintenance during the evaluation period. Repair or replacement may be required due to a system's estimated useful life.
- Fair = Satisfactory as-is. Repair or replacement is required due to current physical condition and/or estimated remaining useful life.
- Poor = Immediate repair, replacement, or significant maintenance is required.

Each building system or component is further identified with the following references if costs or other actions are applicable:

- RM = Routine maintenance
- P1 = Priority One item
- P2 = Priority Two item
- P3 = Priority Three item
- P4 = Priority Four item
- P5 = Priority Five item

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### 2.2. DEVIATIONS FROM GUIDE (ASTM E2018-01)

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ASTM E2018-01 requires that any deviations from the Guide be so stated within the report. EMG's probable cost threshold limitation is reduced from the Guide's \$3,000 to \$1,000, thus allowing for a more comprehensive assessment on smaller scale properties. Therefore, EMG's opinions of probable costs that are individually less than a threshold amount of \$1,000 are typically omitted from this PNA. However, comments and estimated costs regarding identified deficiencies relating to life, safety or accessibility items are included regardless of this cost threshold.

In lieu of providing written record of communication forms, personnel interviewed from the facility and government agencies are identified in Section 2.5. Relevant information based on these interviews is included in Sections 2.5, 3.1, and other applicable report sections.

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### 2.3. ADDITIONAL SCOPE CONSIDERATIONS

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Items required by ASTM E2018-01 are included within the Physical Needs Assessment (PNA). Additional “non-scope” considerations were addressed as part of EMG’s PNA. These additional items are identified as follows:

- PNA may be performed by a Professional Engineer and/or Registered Architect
- PNA may be reviewed by a Professional Engineer and/or Registered Architect other than the Field Observer
- Property disclosure information is obtained from *EMG’s Pre-Survey Questionnaire* (copy included in the Appendices)
- A limited visual assessment for ADA accessibility utilizing *EMG’s Abbreviated Accessibility Checklist* (copy included in the Appendices)
- A limited visual assessment and review of the property for mold growth, conditions conducive to mold growth, and evidence of moisture in accessible areas of the property
- Provide a statement on the property’s Remaining Useful Life
- Provide cross-reference indexing between cost tables and report text
- Provide *Project Summary* table
- Determination of Federal Emergency Management Agency (FEMA) Flood Plain Zone for single address
- Determination of geographic Uniform Building Code Seismic Zone

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### 2.4. PROPERTY’S REMAINING USEFUL LIFE ESTIMATE

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Subject to the qualifications stated in this paragraph and elsewhere in this report, the Remaining Useful Life (RUL) of the property is estimated to be not less than 35 years. The Remaining Useful Life estimate is an expression of a professional opinion and is not a guarantee or warranty, expressed or implied. This estimate is based upon the observed physical condition of the property at the time of EMG’s visit and is subject to the possible effect of concealed conditions or the occurrence of extraordinary events such as natural disasters or other “acts of God” that may occur subsequent to the date of EMG’s site visit.

The Remaining Useful Life for the property is further based on the assumption that: (a) the immediate repairs, short term repairs, and future repairs for which funds are recommended are completed in a timely and workman-like manner, and (b) a comprehensive program of preventive and remedial property maintenance is continuously implemented using an acceptable standard of care. The Remaining Useful Life estimate is made only with regard to the expected physical or structural integrity of the improvements on the property, and no opinion regarding economic or market conditions, the present or future appraised value of the property, or its present or future economic utility, is expressed by EMG.

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### 2.5. PERSONNEL INTERVIEWED

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The following personnel from the facility and government agencies were interviewed in the process of conducting the PNA:

Name and Title	Organization	Phone Number
Mr. Randy Kapala Maintenance Supervisor	Miller Manor	734.794.6720
Mr. Jeff Ellis Inspection Supervisor	Ann Arbor Building Department	734.794.6267

Name and Title	Organization	Phone Number
Ms. Amelia Moshier Management Assistant	Ann Arbor Fire Department	734.794.6961

The PNA was performed with the assistance of Mr. Randy Kapala, Maintenance Supervisor, Ann Arbor Housing Commission, the on site Point of Contact (POC), who was cooperative and provided information that appeared to be accurate based upon subsequent site observations. The on site contact is mostly knowledgeable about the subject property and answered most questions posed during the interview process. The POC's management involvement at the property has been for the past 2.5 years.

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## 2.6. DOCUMENTATION REVIEWED

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Prior to the PNA, relevant documentation was requested that could aid in the knowledge of the subject property's physical improvements, extent and type of use, and/or assist in identifying material discrepancies between reported information and observed conditions. The review of submitted documents does not include comment on the accuracy of such documents or their preparation, methodology, or protocol. The following documents were provided for review while performing the PNA:

- Site plan
- Construction plans by Damon-Worley-Cody-Kirk and Associates dated August 18, 1970
- Renovation and addition plans by Cummins and Barnard, Inc dated October 29, 1993
- List of maintenance contractors provided by property management

No other documents were available for review.

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## 2.7. PRE-SURVEY QUESTIONNAIRE

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A Pre-Survey Questionnaire was sent to the client prior to the site visit. The questionnaire was completed by the maintenance and property management personnel. The questionnaire is included in Appendix E. Information obtained from the questionnaire has been used in preparation of this PNA.

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## 2.8. WEATHER CONDITIONS

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Weather conditions at the time of the site visit were clear, with temperatures in the 90s (°F) and light winds.

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## 3. CODE INFORMATION AND ACCESSIBILITY

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### 3.1. CODE INFORMATION, FLOOD ZONE AND SEISMIC ZONE

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According to Ann Arbor Building Department personnel, there are no outstanding building code violations on file. The Building Department does not have an annual inspection program. They only inspect new construction, work that requires a building permit, and citizen complaints. The most recent building department inspection was on March 28, 2002. A copy of the original Certificate of Occupancy was requested but was not available.

Based on a review of the zoning classification information at the Ann Arbor Planning Department, the property is located within a R4C, Residential, zoning district and appears to be a conforming use.

According to Ms. Amelia Moshier of the Ann Arbor Fire Department, code compliance information can only be obtained through submission of a written request under the Freedom of Information Act (FOIA). A request was submitted, and a copy of the request is included in Appendix C. Significant information will be forwarded upon receipt.

According to the Flood Insurance Rate Map, published by the Federal Emergency Management Agency (FEMA) and dated 1992, the property is located in Zone X, defined as areas outside the 500-year flood plain with less than 0.2% annual probability of flooding. Annual Probability of Flooding of Less than one percent.

According to the 1997 Uniform Building Code Seismic Zone Map of the United States, the property is located in Seismic Zone 1, defined as an area of low probability of damaging ground motion.

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### 3.2. ADA AND SECTION 504 ACCESSIBILITY

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Generally, Title II of the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973, 29 U.S.C. § 794, is applicable when housing is built or rented with the use of federal funds. Therefore, both public housing and Section 8 housing are covered under the HUD regulations implementing Section 504, 24 C.F.R. Part 8. A housing authority that administers a Section 8 program is a covered entity, although a private landlord that accepts tenants through the Section 8 program is not. 24 C.F.R. § 8.3 (definition of recipient).

Under the HUD regulations implementing Section 504, new multi-family housing (five or more dwelling units) designed or constructed after July 11, 1988 must be readily accessible to and usable to individuals with disabilities. This standard is met if a minimum of 5 percent of the total dwelling units, but not fewer than one unit, is accessible for individuals with mobility impairments. An additional 2 percent of the total units, but not fewer than one unit, must be accessible for persons with hearing or vision impairments. 24 C.F.R. § 8.22(b). It is possible for HUD to prescribe a higher number of accessible units if requested and upon demonstration of need. 24 C.F.R. § 8.22

If substantial alterations are made to a project that has more than 15 units, these same rules apply, regardless of the date of construction. A "substantial" alteration is one that costs more than 75 percent of the cost of replacing the entire facility. 24 C.F.R. § 8.23. Lesser alterations must be made accessible to the maximum extent feasible. If changes to single elements within a dwelling unit, when taken together, constitute an alteration to the unit, the entire unit must be made accessible. Once 5 percent of the units are accessible for individuals with mobility impairments, there is no further requirement unless HUD prescribes a higher number. 24 C.F.R. § 8.23.

Structural changes are not required in existing facilities where other means exist for making the program or services accessible to individuals with disabilities. 24 C.F.R. § 8.24. As under Title II, moving a person to an available accessible unit is a viable alternative. A covered entity, however, is not required to make any changes that would fundamentally alter the nature of the program or result in undue administrative or financial burden. The cost of structural changes must be borne by the covered entity.

During the PNA, a limited visual observation for ADA accessibility compliance was conducted. The scope of the visual observation was limited to those areas set forth in EMG’s Abbreviated Accessibility Checklist provided in Appendix D of this report. It is understood by the Ann Arbor Housing Commission that the limited observations described herein does not comprise a full ADA Compliance Survey, and that such a survey is beyond the scope of EMG’s undertaking. Only a representative sample of areas was observed and, other than as shown on the Abbreviated Accessibility Checklist, actual measurements were not taken to verify compliance.

At a multi-family property, the areas considered as public accommodations are the access to the rental office and the parking provisions for the rental office.

Based on the date of construction, Miller Manor is not required to meet ADA requirements beyond the scope of a reasonable accommodation; however, the 1993 building addition should comply with Section 4.1.5 Accessible Buildings - Additions and Section 4.1.6 Accessible Buildings – Alterations. The facility does not appear to be accessible with Title III of the Americans with Disabilities Act. The following items are recommendations of common area improvements for ADA compliance and may be completed at the discretion of the Housing Commission:

**Parking**

- Adequate number of designated parking stalls and signage for vans are not provided. A van accessible parking stall is required near the rental office entrance.  
Estimated Cost: 1 @ \$220 each = ..... \$220

**Restrooms**

- Wrap drain pipes below lavatory with insulation; protect against contact with hot, sharp, or abrasive surfaces.  
Estimated Cost: 2 @ \$50 each = ..... \$100
- Install audio/visual fire alarms in each common area restroom.  
Estimated Cost: 4 @ \$250 each = ..... \$1,000

A full ADA Compliance Survey may reveal additional aspects of the property that are not in compliance. Corrections of these conditions should be addressed from a liability standpoint, but are not necessarily code violations. The Americans with Disabilities Act Accessibility Guidelines concern civil rights issues as they pertain to the disabled and are not a construction code, although many local jurisdictions have adopted the Guidelines as such. The cost to address the achievable items noted above is \$1,320 and is included as individual sums in the Replacement Reserves Report as Priority 1 items.

The Fair Housing Amendments Act (FHA) of 1988 amended Title VIII of the Civil Rights Act of 1968 to aid in the prohibitions against discrimination in housing on the basis of disability and familial status. The Fair Housing Act also made it unlawful to design and construct certain “covered multi-family dwellings” for first occupancy after March 13, 1991, in a manner that makes them inaccessible to persons with disabilities. Based on the date of construction, 1971, Miller Manor is only required to make a reasonable accommodation to comply with the FHA requirements. Refer to Section 1.2 for details regarding an optional follow up study of FHA requirements.

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### 3.3. MOLD

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As part of the PNA, EMG completed a limited, visual assessment for the presence of visible mold growth, conditions conducive to mold growth, or evidence of moisture in readily accessible areas of the property. EMG interviewed property personnel concerning any known or suspected mold contamination, water infiltration, or mildew-like odor problems.

This assessment does not constitute a comprehensive mold survey of the property. The reported observations and conclusions are based solely on interviews with property personnel and conditions observed in readily accessible areas of the property at the time of the assessment. Sampling was not conducted as part of the assessment.

No suspect mold was observed, but moisture was observed in the following area:

- Ceiling in the maintenance entrance to the office area. The area affected by the moisture was approximately four square feet in size. The moisture appears to be from a previously repaired roof leak.
- Bathroom ceiling in unit 411. The area affected by the moisture was approximately two square feet in size. The moisture appears to be from a previously repaired plumbing leak.

Additional discussion and description of the correction efforts required with regard to the moisture infiltration issues are discussed in Section 6.3 of this report, and associated costs are included within that section.



## 4. EXISTING BUILDING EVALUATION

### 4.1. APARTMENT UNIT TYPES

The following table identifies the reported apartment types and apartment mix.

Apartment Unit Types and Mix		
Quantity	Type	Floor Area
99	1 Bedroom/1 Bathroom	467 SF
5	2 Bedrooms/1 Bathroom	933 SF
There are currently three vacant units.		
There are currently no down units.		
<b>104</b>	<b>TOTAL</b>	<b>50,898</b>

### 4.2. APARTMENT UNITS OBSERVED

Over fifteen percent of the apartment units were observed in order to establish a representative sample and to gain a clear understanding of the property's overall condition. Other areas accessed included the exterior of the property, a representative sample of the roofs, and the interior common areas. The following apartments were observed.

Apartment Units Observed		
Unit/Floor	Type	Comments
216/2 <sup>nd</sup>	1 Bedroom/1 Bathroom	Vacant. Good condition
314/3 <sup>rd</sup>	1 Bedroom/1 Bathroom	Vacant. Good condition
412/4 <sup>th</sup>	1 Bedroom/1 Bathroom	Vacant. Good condition
108/1 <sup>st</sup>	2 Bedroom/1 Bathroom	Occupied. Fair condition. Carpet damage, countertop damage, drywall damage
110/1 <sup>st</sup>	2 Bedroom/1 Bathroom	Occupied. Good condition
112/1 <sup>st</sup>	2 Bedroom/1 Bathroom	Occupied. Good to fair condition Carpet stains
510/5 <sup>th</sup>	1 Bedroom/1 Bathroom	Occupied. Good condition
503/5 <sup>th</sup>	1 Bedroom/1 Bathroom	Occupied. Good to fair condition Carpet stains
517/5 <sup>th</sup>	2 Bedroom/1 Bathroom	Occupied. Good condition
515/5 <sup>th</sup>	2 Bedroom/1 Bathroom	Occupied. Fair condition. Carpet stains, cabinet damage, baseboard damage
609/6 <sup>th</sup>	1 Bedroom/1 Bathroom	Occupied. Good condition
613/6 <sup>th</sup>	1 Bedroom/1 Bathroom	Occupied. Good to fair condition Carpet stains
713/7 <sup>th</sup>	1 Bedroom/1 Bathroom	Occupied. Fair condition. Carpet stains, vinyl damage, broken toilet

Apartment Units Observed		
Unit/Floor	Type	Comments
710/7 <sup>th</sup>	1 Bedroom/1 Bathroom	Occupied. Good condition
206/2 <sup>nd</sup>	1 Bedroom/1 Bathroom	Occupied. Good condition
304/3 <sup>rd</sup>	1 Bedroom/1 Bathroom	Occupied. Good condition
411/4 <sup>th</sup>	1 Bedroom/1 Bathroom	Occupied. Fair condition. Water stains on bathroom ceiling, kitchen sink backed up, carpet stains
317/3 <sup>rd</sup>	1 Bedroom/1 Bathroom	Occupied. Good to fair condition Carpet stains

All areas of the property were available for observation during the site visit.

A “down unit” is a term used to describe a non-rentable apartment unit due to poor conditions such as fire damage, water damage, missing appliances, damaged floor, wall or ceiling surfaces, or other significant deficiencies. According to the POC, there are no down units. No down units were observed during the site visit.

## 5. SITE IMPROVEMENTS

### 5.1. UTILITIES

The following table identifies the utility suppliers and the condition and adequacy of the services.

Site Utilities		
Utility	Supplier	Condition & Adequacy
Sanitary Sewer	City of Ann Arbor	Good
Storm Sewer	City of Ann Arbor	Good
Domestic Water	City of Ann Arbor	Good
Electric Service	DTE Energy	Good
Natural Gas Service	DTE Energy	Good

**Observations/Comments:**

- The utilities provided appear to be adequate for the property. There are no unique, on site utility systems such as emergency electrical generators, septic systems, water or waste water treatment plants, or propane gas tanks.
- See Section 7.4 for descriptions and comments regarding the emergency electrical generator.

### 5.2. PARKING, PAVING, AND SIDEWALKS

Item	Description	Action	Condition
Parking and Paving	Surface lot Asphalt pavement 39 total parking stalls, including handicapped-accessible stalls Two handicapped-accessible parking stalls of which none are van-accessible	P2, P3	Good to fair
Sidewalks, Curbs and Gutters	Concrete	P5	Good
Site Access	Two entrances into site from Miller Avenue	RM	Good

**Observations/Comments:**

- The asphalt pavement is in good to fair condition. There are isolated areas of deterioration, such as alligator cracking and localized depressions in the pavement surface. The parking lot will require an overlay with new asphalt paving during the assessment period, in order to maintain the integrity of the overall pavement system. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 3 item.

- In addition to the pavement repairs noted above, pothole patching, crack sealing, seal coating, and re-striping of the asphalt pavement will be required during the assessment period to maximize the pavement life. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 2 item.
- The concrete sidewalks and curbs are in good condition. Based on the estimated remaining useful life, the curbs and sidewalks will require sectional replacements during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 5 item.

### 5.3. DRAINAGE SYSTEMS AND EROSION CONTROL

Item	Description	Action	Condition
Drainage Systems and Erosion Control	Surface flow to municipal drainage system	RM	Good

**Observations/Comments:**

- There is no evidence of storm water runoff from adjacent properties. The storm water system appears to provide adequate runoff capacity. There is no evidence of major ponding or erosion.
- No repair costs are recommended. Routine maintenance is recommended during the assessment period.

### 5.4. TOPOGRAPHY AND LANDSCAPING

Item	Description	Action	Condition
Topography	Moderate slopes along south side of property. Slope is toward the southwest.	RM	Good
Landscaping	Trees, grass, flowerbeds	RM	Good
Irrigation	By hand watering only	RM	Good
Adjacent Properties	Residential	NA	NA
Retaining Walls	Concrete masonry unit retaining wall at southeast corner of building Cast-in-place concrete retaining wall at southwest corner of building	RM	Good

**Observations/Comments:**

- No repair costs are recommended. Routine maintenance is recommended during the assessment period.

### 5.5. GENERAL SITE IMPROVEMENTS

Item	Description	Action	Condition
Signage	Wood sign, mounted on wood posts at main property entrance Building-mounted sign at office entrance	P4	Good
Site Lighting	Wall-mounted fixtures	P4	Good

Item	Description	Action	Condition
Building Lighting	Recessed soffit fixtures	RM	Good
Fencing	Chain link at south and east property lines	P2, P4	Poor
Dumpsters	Trash compactor in utility room on first floor	P4	Good

**Observations/Comments:**

- The property identification signs are in good condition. The property signs require replacement during the assessment period, due their age and condition. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 4 item.
- The exterior wall-mounted light fixtures are in good condition. Based on the estimated Remaining Useful Life (RUL) and condition, the light fixtures will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 4 item.
- The chain link fencing at the south property line is in poor condition. Significant portions of the fence are damaged. The affected portions of the fence must be replaced. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 2 item.
- The remaining sections of chain link fencing will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 4 item.
- The trash compactor is owned and maintained by the property owner and appear to be in good condition. Based on its estimated Remaining Useful Life (RUL), the trash compactor will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 4 item.

## 6. BUILDING ARCHITECTURAL AND STRUCTURAL SYSTEMS

### 6.1. FOUNDATIONS

Item	Description	Action	Condition
Floor	Concrete slab-on-grade	RM	Good
Footings	Concrete perimeter footings, Pad footings	RM	Good
Basements and Crawl Spaces	Not applicable	NA	NA

**Observations/Comments:**

- The foundations and footings cannot be directly observed. There is no evidence of movement that would indicate excessive settlement.
- No repair costs are recommended. Routine maintenance is recommended during the assessment period.

### 6.2. SUPERSTRUCTURE

Item	Description	Action	Condition
Walls	Cast-in-place concrete framing, Interior CMU walls	RM	Good
Floors	Cast-in-place concrete floor slabs	RM	Good
Roofs	Cast-in-place concrete roof decks	RM	Good

**Observations/Comments:**

- The superstructure is exposed in some locations, which allows for limited observation. The walls and floors appear to be plumb, level, stable and in good condition.
- There is isolated evidence of cracking in the exterior walls, at the southwest side of the building. An engineering professional with specific expertise in structural design and construction in this geographical area must be retained to evaluate the structure and to provide remedial recommendations consistent with local regulatory and code requirements. The estimated cost to retain an engineering professional is included in the Replacement Reserves Report under Section 1.2.

### 6.3. ROOFING

Item	Description	Action	Condition
Type	Flat		
Finish	Single-ply membrane with stone ballast at main roof, maintenance garage roof, and office roof Fully-adhered single-ply membrane at community room roof	P2, P4, P5	Good to fair

Item	Description	Action	Condition
Maintenance	Maintained by in-house staff		
Age	The roof finishes vary in age		
Warranties	Information regarding roof warranties or bonds was not available		
Drainage	Internal drains	RM	Good
Flashing	Sheet metal	RM	Good
Insulation	Rigid insulation boards	RM	Good
Parapet and Copings	Not applicable	NA	NA
Soffits, Eaves, and Fascias	Not applicable	NA	NA
Skylights	Not applicable	NA	NA
Attics	Not applicable	NA	NA
Ventilation	Not applicable	NA	NA
Other	Not applicable	NA	NA

**Observations/Comments:**

- The property does not have a dedicated roof repair and maintenance contractor. On site personnel maintain the roofs or a contractor is retained when required.
- The roof finishes vary in age. The main roof section was replaced in 2008. Information regarding roof warranties or bonds was not available.
- Periodic roof leaks have been reported at the office roof. No current roof leaks were reported or observed.
- The main roof section appears to be in good condition. Based on the estimated Remaining Useful Life (RUL) and condition, replacement of the roof finish and ballast will be required during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 5 item.
- The maintenance garage roof section appears to be in good condition. Based on the estimated Remaining Useful Life (RUL) and condition, replacement of the roof finish and ballast will be required during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 4 item.
- The community room roof section appears to be in good condition. Based on the estimated Remaining Useful Life (RUL) and condition, replacement of the roof membrane will be required during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 4 item.
- The roof finish at the office area is in fair condition. The finish is reportedly over 15 years old and periodic leaks have been reported. Based on the estimated Remaining Useful Life (RUL) and current condition, the roof membrane will require replacement. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 2 item.
- There is no evidence of roof deck or insulation deterioration. The roof substrate and insulation should be inspected during any future roof repair or replacement work.
- There is no evidence of fire retardant treated plywood (FRT).
- The roof flashings are in good to fair condition. Based on the estimated Remaining Useful Life (RUL), the roof flashings will require replacement during the evaluation period. The work can be performed in conjunction with the membrane replacements noted above.

- Clearing and minor repair of drain system components should be performed regularly as part of the property management's routine maintenance program.
- During severe wind storms, roofing aggregate (ballast) may become wind-borne and may harm nearby persons or may damage surrounding properties or building or site elements of the subject property. National, regional, and local building codes vary widely in the treatment of this issue and should be consulted during any future roofing repairs or replacements.

#### 6.4. EXTERIOR WALLS

Item	Description	Action	Condition
Typical Finishes and Cladding	Brick veneer at main building and office wing	P1, P4	Good to fair
Other finishes	Exterior insulation and finish system (EIFS) accents at the office wing	P1, P3	Good to fair
Sealants	Caulking and sealants at joints, finish transitions, and at wall openings.	P3	Good

##### **Observations/Comments:**

- The brick veneer is in good to fair condition. Isolated areas of cracking were observed at the southwest side of the building. A follow-up study is recommended to determine the source and severity of the cracking. Further details can be found in section 1.2. Subsequent to the study and repair recommendations, sealing of the cracks is recommended. An estimated cost allowance for this work is included in the Replacement Reserves Report as a Priority 1 item.
- Based on the estimated Remaining Useful Life (RUL), tuck pointing of the mortar joints is anticipated during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 4 item.
- The EIFS panels are in good to fair condition. Minor damage was observed at the base of many of the panels along the front elevation of the building. Repair of the damaged sections is recommended to prevent water infiltration. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 1 item.
- The EIFS sections will also require painting during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 3 item.
- The sealant is flexible, smooth, and in good to fair condition. Based on the estimated Remaining Useful Life (RUL), the sealant will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 3 item.

#### 6.5. EXTERIOR AND INTERIOR STAIRS

Item	Description	Action	Condition
Exterior Stairs	Not applicable	NA	NA
Interior Stairs	Steel framed stairs with concrete-filled pan treads	RM	Good

##### **Observations/Comments:**

- No repair costs are recommended. Routine maintenance is recommended during the assessment period.



**6.6. WINDOWS AND DOORS**

Item	Description	Action	Condition
Windows	Vinyl-framed, double-paned, sliding units with exterior screens at elevator lobbies Aluminum-framed units with fixed panes of glazing at common areas and office wing	P4, P5	Good
Doors	Aluminum storefront entrance doors Hollow metal service doors in metal frames Interior resident doors – Hollow-core metal doors set in metal frames Resident balcony doors – Metal framed sliding doors with double-pane glazing	P2, P4, P5	Good to fair
Door Hardware	Lever handles	RM	Good
Overhead Doors	Three metal panel overhead doors	P4	Good

**Observations/Comments:**

- The elevator lobbies' windows are in good condition. Based on the estimated Remaining Useful Life (RUL), the windows will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 4 item.
- The common area and office windows are in good condition. Based on the estimated Remaining Useful Life (RUL), the windows will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 5 item.
- The exterior building entry doors are in good condition. Based on the estimated Remaining Useful Life (RUL), the entry doors will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 5 item.
- The resident unit interior entry doors are in fair condition. Based on the estimated Remaining Useful Life (RUL), the balcony doors will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 2 item.
- The resident unit balcony doors are in good condition. Based on the estimated Remaining Useful Life (RUL), the balcony doors will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 5 item.
- The overhead doors are in good condition. Based on the estimated Remaining Useful Life (RUL), the overhead doors will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 4 item.

**6.7. PATIO, TERRACE, AND BALCONY**

Item	Description	Action	Condition
Patios	Concrete-paved patios at ground floor units	RM	Good
Balconies	Concrete balconies with metal guardrails at upper level resident units	P3	Good to fair

**Observations/Comments:**

- The patio and balcony slabs are in good condition. There are no significant signs of movement, settlement, or cracking.
- The balcony guardrails are in good to fair condition. Based on the estimated Remaining Useful Life (RUL) and condition, the guardrails will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 3 item.

**6.8. COMMON AREAS, ENTRANCES, AND CORRIDORS**

The following table identifies the interior common areas and generally describes the finishes in each common area.

Description					
Renovations	The interior finishes in the common areas have not been renovated within the last five years.				
Area	Floor	Walls	Ceilings	Action	Condition
Resident Lobby/Community Room	Carpet	Painted drywall	Suspended T-bar with tiles	P2, P3, P4	Fair
Elevator lobbies	Vinyl tile	Painted drywall	Painted concrete	P3	Good
Corridors	Carpet	Painted drywall	Painted concrete	P2, P3	Fair
Laundry Room	Vinyl tile	Painted drywall	Painted concrete	P3	Good
Common Area Restrooms	Ceramic tile	Painted drywall, Ceramic tile	Painted drywall	P3	Good
Offices	Carpet	Painted drywall	Suspended T-bar with tiles	P3, P4	Good
Maintenance Area/Boiler Room	Concrete	Concrete	Concrete	RM	Good

**Observations/Comments:**

- The interior finishes are in good to fair condition. The carpet is in fair condition in the corridors and community areas. Based on the observed condition and estimated Remaining Useful Life (RUL), common area carpet replacement is anticipated over the assessment period. The cost of this work is included in the Replacement Reserves Report as a Priority 2 item for the community spaces and as a Priority 4 item for the office area.
- The vinyl tile in the common areas will also require replacement during the assessment period. The cost of this work is included in the Replacement Reserves Report as a Priority 4 item.
- Interior painting and wall finish replacement is also anticipated over the assessment period. The cost of this work is also included in the Replacement Reserves Report as a Priority 2 item.
- Based on the estimated Remaining Useful Life (RUL), ceiling tile replacement is anticipated over the assessment period. The cost of this work is included in the Replacement Reserves Report as a Priority 4 item.

## 7. BUILDING MECHANICAL AND ELECTRICAL SYSTEMS

### 7.1. BUILDING HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

Item	Description	Action	Condition
Maintenance	Maintained by in-house staff		
Age and Type	The HVAC equipment appears to vary in age. HVAC equipment is reportedly replaced on an "as needed" basis.		
Heating & Air-conditioning	Central heating system with boilers and finned-tube baseboard heating units Electric split systems with pad-mounted condensing units for resident lobby Gas-fired split system with pad-mounted condensing units for community room Packaged, gas-fired rooftop units for office wing	P2, P3, P4, P5	Good to poor
Refrigerant	R-22		
Quantity/Capacity	Six central boilers, each with a rated input capacity of 594,000 Btu/hr One gas split-system with a roof-top mounted condensing unit, with a cooling capacity of 4 tons Two rooftop packaged units with a cooling capacity of 10 tons each		
Distribution	Two-pipe distribution system to baseboard heating units. Two 3 HP circulating pumps	RM	Good
Controls	Local thermostats Boiler control module	P4	Good
Ducts	Concealed ducts above ceilings for community room	P3	Good
Supplemental systems	Five through-the-wall air-conditioning units for common areas	RM	Good
Ventilation	Central make-up air units for corridor ventilation Central exhaust fans for corridors	P1, P3	Good to poor

**Observations/Comments:**

- The HVAC systems are maintained by the in-house maintenance staff. Records of the installation, maintenance, upgrades, and replacement of the HVAC equipment at the property have been maintained in recent years.
- The HVAC equipment varies in age. HVAC equipment is reportedly replaced on an "as needed" basis.

- The boilers appear to be in good condition. Based on the estimated Remaining Useful Life (RUL), the boilers will require replacement during the assessment period. The energy audit recommends installing high efficiency equipment at the time of replacement. The reflected cost of this work is included in the Replacement Reserves Report as a Priority 4 item.
- The boiler control system appears to be in good condition. Based on the estimated Remaining Useful Life (RUL), the control system will require replacement during the assessment period. The estimated cost of this work is included with the above boiler replacement.
- The heating and chilled water distribution system appears to be in good condition. Based on the estimated Remaining Useful Life (RUL), pump and piping replacements will be required during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 3 item.
- The make-up air units for corridor ventilation appear to be in fair to poor condition. One of the units was not functioning at the time of the assessment. Both of the units are approaching the end of their estimated useful lives. The make-air units will require immediate replacement in order to ensure adequate ventilation in the building. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 1 item.
- The ductless split systems in the lobby appear to be in poor condition. The units were not working at the time of the assessment. The ductless split system condensing units and wall-mounted units will require replacement early in the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 2 item.
- The through-the-wall air-conditioning units vary in age and will require replacement at various times during the assessment period. The cost is relatively insignificant and the work can be accomplished as routine maintenance.
- The gas-fired split system in the community room appears to be in fair condition. The unit is approaching the end of its useful life. Based on the estimated Remaining Useful Life (RUL), the split system furnace and condensing unit will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 2 item.
- The packaged rooftop units appear to be in good condition. The rooftop units were replaced in 2008. Based on the estimated Remaining Useful Life (RUL), the rooftop units will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 5 item.
- The mechanical exhaust equipment appears to be in good condition. Based on the estimated Remaining Useful Life (RUL), replacement of the roof-mounted exhaust fans is anticipated during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 3 item.

## 7.2. BUILDING PLUMBING

Item	Description	Action	Condition
Water Meter	Meter in boiler room	RM	Good
Domestic Water Supply	Copper Pipe	P5	Good to fair
Domestic Waste and Ventilation	Cast Iron Pipe	P5	Good to fair
Domestic Hot Water	Two central gas-fired boilers, each with a rated input capacity of 627 MBH Two 200-gallon, insulated storage tanks Two circulating pumps, rated at 0.5 HP each	P5	Good

Item	Description	Action	Condition
Common Area Restroom Fixtures	Commercial grade bath fixtures and accessories	P4	Good

**Observations/Comments:**

- The property has had a history of plumbing leaks, and some piping replacements have been necessary. Maintenance staff reported that leaks have been addressed in a timely manor and are becoming less frequent. The water pressure appears to be adequate. Based on its estimated Remaining Useful Life (RUL) and condition, the plumbing systems will require replacement during the assessment period. A cost allowance for this work is included in the Replacement Reserves Report as a Priority 5 item. The Energy Audit recommends adding pipe insulation to the domestic hot water lines at the time of replacement. The cost of this work is included in the replacement estimate.
- There is no evidence that the property uses polybutylene piping for the domestic water distribution system.
- The pressure and quantity of hot water appear to be adequate.
- The domestic water boilers appear to be in good condition. Based on the estimated Remaining Useful Life (RUL), the boilers will require replacement during the assessment period. The energy audit recommends installing high efficiency equipment at the time of replacement. The reflected cost of this work is included in the Replacement Reserves Report as a Priority 5 item.
- The domestic hot water storage tanks appear to be in good condition and will require routine maintenance during the evaluation period.
- The domestic hot water circulating pumps appear to be in good condition. Based on the estimated Remaining Useful Life (RUL), the circulating pumps will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 4 item.
- The common area restroom accessories and fixtures appear to be in good condition. Based on the estimated Remaining Useful Life (RUL) and their condition, the common area restrooms will require renovation, including replacement of finishes, fixtures, partitions, and accessories. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 4 item.

**7.3. BUILDING GAS DISTRIBUTION**

Item	Description	Action	Condition
Gas Meter and Regulator	Located along east elevation of building	RM	Good
Gas Distribution Piping	Malleable steel (black iron).	RM	Good

**Observations/Comments:**

- The pressure and quantity of gas appear to be adequate.
- The gas meter and regulator appear to be in good condition and will require routine maintenance during the assessment period.
- Only limited observation of the gas distribution piping can be made due to hidden conditions. The gas piping is in good condition and, according to the POC, there have been no gas leaks.
- No repair costs are recommended. Routine maintenance is recommended during the assessment period.

**7.4. BUILDING ELECTRICAL**

Item	Description	Action	Condition
Service Type	Underground lines to pad-mounted transformer		
Service Size	1,600-Amp, 120/208-Volt, three-phase, four-wire, alternating current (AC)		
Electric Meters and Equipment	Meter in electrical equipment room Circuit breaker panels located throughout building	RM	Good
Wiring	Copper wire in metallic conduit	RM	Good
Emergency generator	Natural gas powered 30 kW emergency electrical generator	P3	Good to fair

**Observations/Comments:**

- The on site electrical systems up to the meter are owned and maintained by the respective utility company.
- The electrical service and capacity appear to be adequate for the property's demands.
- The switchgear, circuit breaker panels, and electrical meters appear to be in good condition and will require routine maintenance during the assessment period.
- The emergency generator is in good condition. Based on the estimated Remaining Useful Life (RUL), the emergency generator will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 3 item.

**7.5. ELEVATORS AND CONVEYING SYSTEMS**

Item	Description	Action	Condition
Type and Quantity	Two hydraulic passenger elevators 2,000-pound capacity 3,500-pound capacity Manufactured by Dover Elevator	NA	Good
Maintenance	Service contract with Schindler Elevator Company		
Inspection Certificate	Posted in cab; Expires on 5/31/2010		
Equipment	Hydraulic equipment located in room adjacent to shaft	P4	Good
Other Devices	Electric safety stops, Emergency communication equipment	RM	Good
Elevator Cab Finishes	Vinyl flooring, plastic-laminated wood wall panels, recessed light fixtures	P4	Good

**Observations/Comments:**

- The elevator equipment appears to be in good condition. Based on the estimated Remaining Useful Life (RUL), the elevator equipment will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 4 item.

- The elevator cab finishes appear to be in good condition. Based on the estimated Remaining Useful Life (RUL), the cab finishes will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 4 item.
- The elevators are inspected on an annual basis by the State of Michigan and a certificate of inspection is displayed in each elevator cab.

## 7.6. FIRE PROTECTION SYSTEMS

Item	Description	Action	Condition
Sprinkler Systems	Wet pipe, automatic sprinkler system covering common areas only Fire water pump rated at 50 HP	P4	Good
Other Equipment and Devices	Fire alarm system with central panel, pull stations, and alarm horns with strobe lights Illuminated exit signs, battery back-up light fixtures, hard-wired smoke detectors	P2, RM	Good
Special Systems	Not applicable	NA	NA
Fire Extinguishers	Located throughout interior spaces Last service date in 2009	RM	Good
Fire Hydrants	Located along adjacent public streets	RM	Good
Stair Wells	Exposed CMU stair well walls Fire-rated doors and door hardware Mechanical smoke evaluation systems	RM	Good

### Observations/Comments:

- Information regarding fire department inspection information is included in Section 3.1.
- The fire sprinklers appear to be in good condition and are inspected by a qualified contractor on a routine basis. The fire sprinklers will require routine maintenance during the assessment period.
- The fire pump appears to be in good condition. Based on the estimated Remaining Useful Life (RUL), the fire pump will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 5 item.
- The fire extinguishers are serviced annually and appear to be in good condition. The fire extinguishers were serviced and inspected within the last year.
- The pull stations and alarm horns appear to be in good condition and will require routine maintenance during the assessment period.
- Smoke detector replacement is considered to be routine maintenance.
- Exit sign and emergency light replacement is considered to be routine maintenance.
- The Energy Audit recommends replacement of the existing exit signs with LED exit signs. Retrofit kits are available for this item. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 2 item.

- The fire alarm system appeared to be outdated at the time of the assessment. However, work has since begun to replace the fire alarm system, including installation of a new control panel, audible/visual devices, emergency telephone handset jacks, smoke detectors, wiring, and establishment of a fire command center. The cost of this work is not included in the cost tables. It is assumed that this work will be completed to the owner's satisfaction and will meet all applicable code requirements.
- The exit stairwells appear to be constructed in accordance with applicable codes in force at the time of construction.
- The stairwell doors and door hardware are fire-rated. Components bearing certification labels are displayed on the doors.
- The stairwell smoke evacuation fans appear to be in good condition and will require routine maintenance during the evaluation period.



## 8. DWELLING UNITS

### 8.1. INTERIOR FINISHES

The following table generally describes the interior finishes in apartment units:

Typical Apartment Finishes			
Room	Floor	Walls	Ceiling
Living room	Carpet	Painted drywall	Painted drywall
Kitchen	Vinyl tile	Painted drywall	Painted drywall
Bedroom	Carpet	Painted drywall	Painted drywall
Bathroom	Vinyl tile	Painted drywall Ceramic tile tub surround	Painted drywall

The interior doors in each apartment unit are painted hollow-core wood doors set in wood frames. Wardrobe closets are accessed by sliding doors.

#### Observations/Comments:

- The residential units are typically renovated upon tenant turnover. The renovation generally consists of floor finish cleaning or replacement, interior painting, general cleaning, and repair or replacement of any damaged items.
- The interior finishes in the apartment units are in good condition. Painting is considered to be routine maintenance. Based on its estimated Remaining Useful Life (RUL), the carpet and vinyl flooring will require replacement during the evaluation period. The cost of this work is included in the Replacement Reserves Report as Priority 2 and 3 items.
- The interior doors and door hardware are in good condition and will require routine maintenance during the evaluation period.

### 8.2. APPLIANCES

Each apartment unit kitchen typically includes the following appliances:

Appliance	Comment
Refrigerator	Frost-free
Range	Electric
Hood	Not applicable
Dishwasher	Not provided
Disposal	Provided
Trash compactor	Not provided

The kitchen cabinets are constructed of wood. The countertops are wood and have a plastic-laminated finish.

**Observations/Comments:**

- The kitchen appliances vary in age. Apartment appliances are reportedly replaced on an "as needed" basis.
- The kitchen appliances appear to be in good condition. Based on their estimated Remaining Useful Life (RUL), the ranges will require replacement during the evaluation period. The cost of this work is included in the Replacement Reserves Report as Priority 3 and 5 items.
- Based on the simple payback calculation in the associated Energy Audit, replacement of the older refrigerators with high-efficiency, Energy Star rated refrigerators is recommended. The cost of this work is included in the Replacement Reserves Report as a Priority 2 item. It is also recommended that the newer refrigerators be replaced with Energy Star models at the end of their useful lives. The cost of this work is included in the Replacement Reserves Report as a Priority 5 item.
- The kitchen cabinets and countertops vary in age and are in good condition. Based on their estimated Remaining Useful Life (RUL), the kitchen cabinets and countertops will require replacement during the evaluation period. The cost of this work is included in the Replacement Reserves Report as a Priority 5 item.

**8.3. HVAC**

The following table describes the individual systems in the resident units:

Item	Description	Action	Condition
Maintenance	Maintained by in-house staff		
Age and Type	The HVAC equipment appears to vary in age. HVAC equipment is reportedly replaced on an "as needed" basis.		
Heating and Air-conditioning	Finned-tube, baseboard heaters along exterior walls in each resident unit Individual through-the-wall air-conditioning units	P2	Good
Refrigerant	R-22		
Quantity/Capacity	150 wall AC units, with an average capacity of 8,000 btu/hr each		
Distribution	Not applicable	NA	NA
Controls	Local wall-mounted thermostats	RM	Good
Ducts	Not applicable	NA	NA
Supplemental systems	Not applicable	NA	NA
Ventilation	Bathroom exhaust fans, Kitchen exhaust fans	RM	Good

**Observations/Comments:**

- The finned tube baseboard heating units appear to be in good to fair condition. Based on the estimated Remaining Useful Life (RUL), some of the baseboard heating units will require periodic repairs and sectional replacements during the assessment period. This work can be completed as part of routine maintenance at the property.

- The through-the-wall air-conditioning units appear to be in good to fair condition. Based on the estimated Remaining Useful Life (RUL), the air-conditioning units will require replacement during the assessment period. Additionally, based on the simple payback calculation in the associated Energy Audit, replacement of the current air-conditioning units with high-efficiency, Energy Star rated air-conditioning units is recommended. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 2 item.

#### 8.4. PLUMBING

Item	Description	Action	Condition
Domestic Hot Water	Central system	NA	NA
Restroom Fixtures	Toilets and lavatories with vanities	P2, P4	Good

##### **Observations/Comments:**

- The resident unit bathroom fixtures appear to be in good condition. Based on the estimated Remaining Useful Life (RUL) and their condition, the bathroom fixtures will require periodic repairs and isolated replacements during the assessment period. This work can be completed as part of routine maintenance at the property.
- The vanities appear to be in good to fair condition. Based on the estimated Remaining Useful Life (RUL), the vanities will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 4 item.
- Based on the simple payback calculation in the associated Energy Audit, installation of low-flow faucet aerators and shower heads is recommended. Replacement of the remaining 3.5 GPF toilets with 1.6 GPF models is also recommended in the energy audit. The estimated costs for these items are included in the Replacement Reserves Report as a Priority 2 item.

#### 8.5. ELECTRICAL

Item	Description	Action	Condition
Service Size	60-Amps per unit		
Electric Meters and Equipment	Breaker panel in each unit	P5	Good

##### **Observations/Comments:**

- The unit breaker panels appear to be in good condition. Based on the estimated Remaining Useful Life (RUL), the breaker panels will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report as a Priority 5 item.

#### 8.6. FURNITURE, FIXTURES AND EQUIPMENT (FF&E)

Not applicable. There are no furnished apartments.

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## **9. OTHER STRUCTURES**

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Not applicable. There are no major accessory structures.

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## **10. APPENDICES**

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APPENDIX A: Photographic Record

APPENDIX B: Site Plan

APPENDIX C: Supporting Documentation

APPENDIX D: EMG Abbreviated Accessibility Checklist

APPENDIX E: Pre-Survey Questionnaire and Documentation Request Form

APPENDIX F: Acronyms and Out of Scope Items

APPENDIX G: Resumes for Report Reviewer and Field Observer

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**APPENDIX A:  
PHOTOGRAPHIC RECORD**

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**EMG PHOTOGRAPHIC RECORD**

**Project No.: 90144.09R-001.052**

**Project Name: Miller Manor**



Photo #1: Signage at property entrance



Photo #2: Front elevation of building



Photo #3: Side elevation of building



Photo #4: Rear elevation of building



Photo #5: Office wing and accessible parking



Photo #6: Front elevation of office wing



**EMG PHOTOGRAPHIC RECORD**

**Project No.: 90144.09R-001.052**

**Project Name: Miller Manor**



Photo #7:	Main roof overview
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Photo #8:	Lower roofs overview
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Photo #9:	Lower roof detail
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Photo #10:	Lower membrane roof detail
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Photo #11:	Parking lot overview
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Photo #12:	Pavement detail
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**EMG PHOTOGRAPHIC RECORD**

**Project No.: 90144.09R-001.052**

**Project Name: Miller Manor**



Photo #13: Lobby for office area



Photo #14: Lobby at resident entrance



Photo #15: Community room



Photo #16: Common area kitchen



Photo #17: Common area restroom



Photo #18: Common corridor



**EMG PHOTOGRAPHIC RECORD**

**Project No.: 90144.09R-001.052**

**Project Name: Miller Manor**



Photo #19: Resident unit living room



Photo #20: Resident unit bedroom



Photo #21: Resident unit kitchen



Photo #22: Accessible unit kitchen



Photo #23: Resident unit bathroom



Photo #24: Accessible unit bathroom



### EMG PHOTOGRAPHIC RECORD

Project No.: 90144.09R-001.052

Project Name: Miller Manor



Photo #25: Set of four modular boilers



Photo #26: Set of two modular boilers



Photo #27: Heating water circulating pumps



Photo #28: Boiler control module



Photo #29: Typical baseboard finned-tube heating unit



Photo #30: Typical through-the-wall unit air conditioning unit



**EMG PHOTOGRAPHIC RECORD**

**Project No.: 90144.09R-001.052**

**Project Name: Miller Manor**



Photo #31: Make-up air unit for corridors



Photo #32: Rooftop units for office spaces



Photo #33: Split system condensing unit for community room



Photo #34: Split system fan coil unit and furnace for community room



Photo #35: Split system condensing units for lobby



Photo #36: Wall-mounted fan coil units for lobby



**EMG PHOTOGRAPHIC RECORD**

**Project No.: 90144.09R-001.052**

**Project Name: Miller Manor**



Photo #37: Domestic water meter



Photo #38: Domestic water boilers



Photo #39: Domestic hot water storage tanks



Photo #40: Domestic hot water circulating pumps



Photo #41: Gas meter and regulator



Photo #42: Electrical transformer



**EMG PHOTOGRAPHIC RECORD**

**Project No.: 90144.09R-001.052**

**Project Name: Miller Manor**



Photo #43: Main electrical switchgear



Photo #44: Emergency generator



Photo #45: Emergency power transfer switch



Photo #46: Resident unit breaker panel



Photo #47: Elevators



Photo #48: Interior of elevator cab



**EMG PHOTOGRAPHIC RECORD**

**Project No.: 90144.09R-001.052**

**Project Name: Miller Manor**



Photo #49: Elevator control panel



Photo #50: Hydraulic elevator equipment



Photo #51: Fire alarm panel



Photo #52: Fire pump



Photo #53: Sprinkler head



Photo #54: Fire extinguisher



**EMG PHOTOGRAPHIC RECORD**

**Project No.: 90144.09R-001.052**

**Project Name: Miller Manor**



Photo #55: Fire alarm horn with strobe light



Photo #56: Fire alarm pull station



Photo #57: Smoke detector in resident unit



Photo #58: GFCI in resident unit



Photo #59: Laundry room washers



Photo #60: Laundry room dryers





**EMG PHOTOGRAPHIC RECORD**

**Project No.: 90144.09R-001.052**

**Project Name: Miller Manor**



Photo #61: Masonry retaining wall



Photo #62: Concrete retaining wall



Photo #63: Balcony construction and metal railing



Photo #64: Damaged fencing at south property line



Photo #65: Trash compactor



Photo #66: Overhead doors at maintenance shop



**EMG PHOTOGRAPHIC RECORD**

**Project No.: 90144.09R-001.052**

**Project Name: Miller Manor**



Photo #67:	Water staining on ceiling near office area
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Photo #68:	Damage to EIFS finish at office area
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Photo #69:	Cracking at southwest corner of building
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Photo #70:	Cracking at stairwell near west end of building
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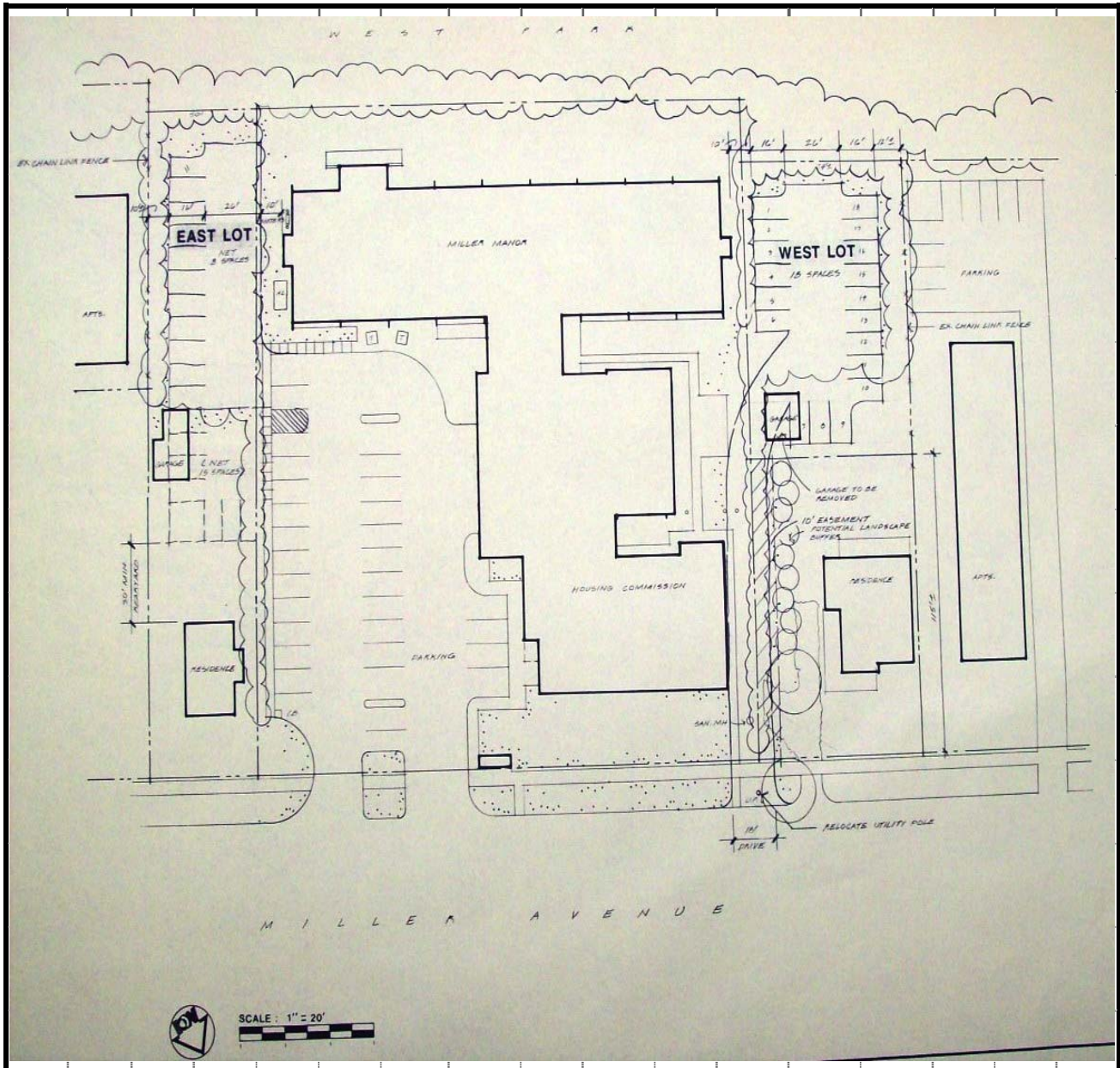
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**APPENDIX B:  
SITE PLAN**

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# Site Plan



**Key:**



Not drawn to scale.  
The north arrow indicator is an approximation of 0° North.

**Project Number:**

90144.09R-001.052

**Project Name:**

Miller Manor

**On-Site Date:**

June 23 and 24, 2009

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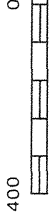
**APPENDIX C:  
SUPPORTING DOCUMENTATION**

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APPROXIMATE SCALE IN FEET



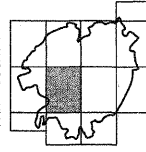
NATIONAL FLOOD INSURANCE PROGRAM

# FIRM FLOOD INSURANCE RATE MAP

CITY OF  
**ANN ARBOR,  
MICHIGAN**  
WASHTENAW COUNTY

PANEL 5 OF 12  
(SEE MAP INDEX FOR PANELS NOT PRINTED)

PANEL LOCATION

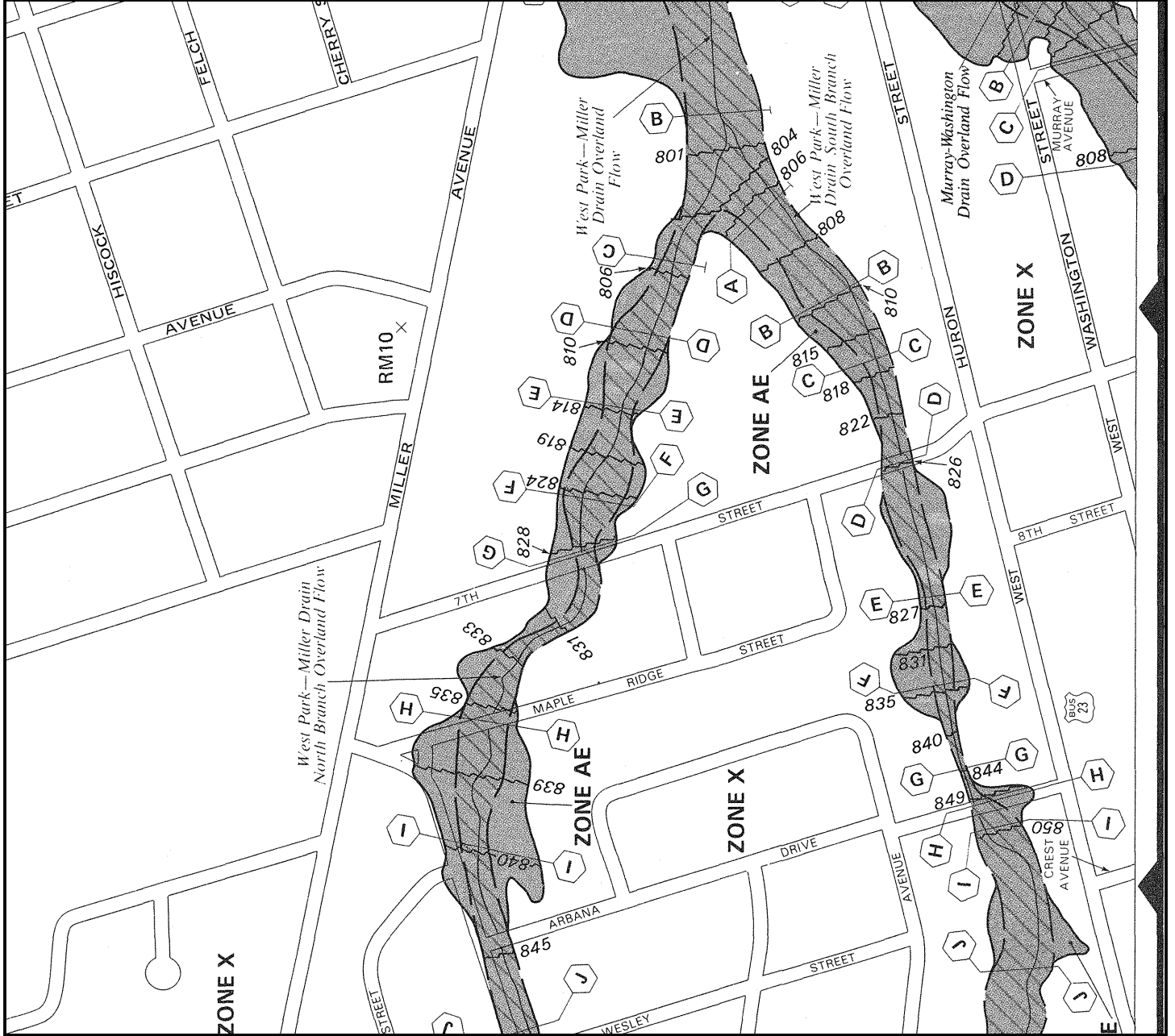


COMMUNITY—PANEL NUMBER:  
260213 0005 D  
MAP REVISED:  
JANUARY 2, 1992



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps, check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)



## COMMON ELECTRICAL CODE VIOLATIONS

Project Name: *Miller Manor*EMG Proj #: *90144.09R-001.052*

DESCRIPTION	Deficiency Observed?	Location
<b>Unused openings in electrical boxes, raceways, gutters, and cabinets left open.</b> The Code requires that these areas be closed to afford protection to walls, equipment, and wiring. NEC Article 110.12(A) requires unused cable or raceway openings in boxes, raceways, auxiliary gutters, cabinets, cutout boxes, meter socket enclosures, equipment cases or housings shall be effectively closed to afford protection substantially equivalent to the wall of the equipment.	<input type="checkbox"/>	
<b>Lack of ground fault protection on restroom, kitchen, garage, and outside receptacles.</b> The Code requires the provision of special, stray current protection against electrical shock in areas where use of appliances is likely. NEC 210.8 Ground-fault circuit-interrupter (GFCI) protection shall be provided for all 125- volt, 15 and 20 amp receptacle outlets installed outdoors, in boathouses, garages, unfinished accessory buildings, crawl spaces at or below grade level, unfinished basements, bathrooms, at kitchen countertops and within 6' of the outside edge of the sink in laundry rooms, utility rooms, and at wet-bars.	<input type="checkbox"/>	
<b>Lack of identification of breakers in electrical panels.</b> Identification of circuits on breakers is required by Code. NEC Article 110-22 requires any branch circuit or disconnects to be marked to indicate its purpose.	<input type="checkbox"/>	
<b>Inadequate working clearances around panels and electrical equipment.</b> Sections 110.26 and 110.34 of the NEC require working clearance in front of any equipment that may require examination, adjustment servicing, or maintenance while energized. This requirement, intended to allow an electrician to safely work on energized equipment, applies to switchgear, distribution panels, motor control centers, standalone motor starters, and most control panels. Required depth depends upon the operating voltage of the equipment, as given in Table 1. The clear space must extend from the floor to the greater of the equipment height or 6-1/2 ft, with a width equal to that of the equipment, but not less than 30 in.	<input type="checkbox"/>	
<b>Other trades supporting their materials and equipment off electrical equipment and supports.</b> NEC Article 300-11 (b) states raceways shall not be used as a means of support for other cables or raceways.	<input type="checkbox"/>	
No open/broken/missing receptacles, switches or device cover plates that could expose bare wiring or device terminals to contact.	<input type="checkbox"/>	
Ungrounded systems (neutral and hot legs only) – recommend replacement of ungrounded systems with modern grounded systems.	<input type="checkbox"/>	

\*2000 and 2003 Edition International , NFPA 101 and NEC Codes were used; in later editions the requirement will be the same, however the Section numbers may change slightly; ALWAYS determine if your jurisdiction has any local codes which are supplemental to these Codes.

## COMMON MECHANICAL CODE VIOLATIONS

Project Name: *Miller Manor*

EMG Proj #:

DESCRIPTION	Deficiency Observed?	Location
<p><b>Inadequate provision of pipe clean-outs.</b> IPC 708.1 provides requirement for clean-outs with some exceptions. Cleanouts on concealed piping or piping under a floor slab or in a crawl space of less than 24 inches (610 mm) in height or a plenum shall be extended through and terminate flush with the finished wall, floor or ground surface or shall be extended to the outside of the building. Cleanout plugs shall not be covered with cement, plaster or any other permanent finish material. Where it is necessary to conceal a cleanout or to terminate a cleanout in an area subject to vehicular traffic, the covering plate, access door or cleanout shall be of an approved type designed and installed for this purpose.</p>	<input type="checkbox"/>	
<p><b>Missing back flow preventers.</b> IPC 608.13. Means of protection against backflow shall be provided, maintained and inspected in accordance with Sections 608.13.1 through 608.13.9. A potable water supply system shall be designed, installed and maintained in such a manner so as to prevent contamination from non-potable liquids, solids or gases being introduced into the potable water supply through cross-connections or any other piping connections to the system. Backflow preventer applications shall conform to Table 608.1, except as specifically stated in Sections 608.2 through 608.16.9.</p>	<input type="checkbox"/>	
<p><b>Improper gas water heater installation in garage areas and utility rooms.</b> IPC 502.2 Water heaters installed in garages. Water heaters having an ignition source shall be elevated such that the source of ignition is not less than 18 inches (457 mm) above the garage floor.</p>	<input type="checkbox"/>	
<p><b>NFPA Codes</b> require combustion air free openings of 1 square inch for every 1,000 BTUH of input rating with a minimum of 100 square inches. There must be two openings into the space; the bottom of the lower opening must be within 12 inches of the floor and the top of the upper opening must be within 12 inches of the ceiling. Note: if there are metal louvers over the openings, only 75% of the space may be considered as free air, if the louvers are wood, only 25% is allowed. No variable dampers are allowed on these openings as they may be closed by mistake. There are exceptions if the equipment is located below grade or if it is a sealed combustion system.</p>	<input checked="" type="checkbox"/>	<p><i>Comb. air opening does not provide adequate free space.</i></p>

\*2000 and 2003 Edition International , NFPA 101 and NEC Codes were used; in later editions the requirement will be the same, however the Section numbers may change slightly; ALWAYS determine if your jurisdiction has any local codes which are supplemental to these Codes.



**COMMON FIRE CODE VIOLATIONS**

Project Name: Milks Maus

EMG Proj #:

DESCRIPTION	Deficiency Observed?	Location
<p><b>NFPA 10: Table 5.2.1.</b> All buildings must have fire extinguishers which are either "UL or FM listed".  <b>Light hazard occupancies</b> (offices, schools, churches) shall have at least one, 2-A:10-B:C rated extinguisher for every 3000 square feet and shall be placed so that travel distance to any extinguisher from any point in the building will not exceed 75 feet. Occupancies with many halls and levels, may be required to provide additional fire extinguishers.  <b>Ordinary hazard occupancies</b> (auto showrooms, dry cleaners, repair garages) will be required to have at least one, 2-A:20-B:C rated extinguisher for every 1500 square feet and shall be placed so that travel distance to any extinguisher from any point in the building will not exceed 75 feet.  <b>High hazard occupancies</b> (woodworking shops, spraying/dipping operations using flammable/combustible liquids) will be required to have at least one, 4-A:40-B:C rated extinguisher for every 1000 square feet and shall be placed so that travel distance to any extinguisher from any point in the building will not exceed 75 feet.</p>	<input type="checkbox"/>	
<p><b>NFPA 1:13.6.3.10</b>-All extinguishers must be mounted on the wall or otherwise located, with top not more than 5 feet off the floor, so as to be plainly visible and accessible.</p>	<input type="checkbox"/>	
<p><b>NFPA 1:13.6.3.2</b>-All extinguishers must be serviced at least once a year by a professional fire extinguisher service company licensed by the State Fire Marshal's Office and have a service tag attached which shows the date of inspection and who performed the inspection.</p>	<input type="checkbox"/>	
<p><b>NFPA 1:14.1.2 &amp; 14.14.5.1</b>-When two or more exits are required, illuminated exit signs shall be installed at the required exits and where otherwise necessary to clearly indicate the direction of egress.</p>	<input type="checkbox"/>	
<p><b>NFPA 1:14.5.2</b>-Required exit doors shall be openable from the inside, without the use of a key or any special knowledge or effort. Exit doors shall not be locked, chained, bolted, barred, latched, or otherwise rendered unusable. All locking devices shall be of an approved type.  <b>EXCEPTION:</b> A keyed lock may be used on the main exit when the main exit consists of a single door or a pair of doors, if there is a readily visible, durable sign on or above the door stating: "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS"</p>	<input type="checkbox"/>	
<p><b>NFPA 1:14.5.1</b>-All exit doors must swing in the direction of exit travel when serving any hazardous area or when serving an occupant load of 50 or more.</p>	<input type="checkbox"/>	
<p><b>NFPA 1:14.8.3.3</b>-Aisles leading to required exits shall be provided from all portions of buildings. Aisles shall be at least 36 inches wide where tables, counters, furnishings, merchandise or other similar obstructions are placed on one side of the aisle only and 44 inches wide when such obstructions are placed on both sides of the aisle.</p>	<input type="checkbox"/>	

DESCRIPTION	Deficiency Observed?	Location
NFPA 1:14.4-No storage is allowed, at any time, in any exit, corridor, hallway, stairway, or other exit way leading to an exit.	<input type="checkbox"/>	
NFPA 1:14.6.3-Storage under stairways is prohibited, unless one hour rated construction has been provided for this purpose.	<input type="checkbox"/>	
NFPA 1:1 0.20.2 -Storage in all buildings shall be orderly and maintained 2 feet or more below the ceiling in non-sprinklered buildings and 18 inches or more below sprinkler head deflectors in sprinklered buildings. Boiler rooms, mechanical rooms, and electrical panel rooms shall not be used for storage of combustible material.	<input type="checkbox"/>	
NFPA 1:19.1-Combustible rubbish or waste material in buildings shall be stored in containers or in rooms/vaults constructed of noncombustible materials. Metal containers with tight -fitting covers shall be used for oily rags and similar materials. Combustible rubbish or waste material shall be removed from the building at least once each working day.	<input type="checkbox"/>	
NFPA 1:19.1-Dumpsters and containers with 1.5 cubic yard capacity or greater shall not be stored inside a building or placed within 5 feet of combustible walls, openings, or combustible roof eave lines unless the area is protected by an approved automatic sprinkler system.	<input type="checkbox"/>	
NFPA 1:11.1-Extension cords shall not be used as a substitute for permanent wiring. Extension cords shall not be used for fixed or stationary appliances, such as vending machines, refrigerators, etc. Extension cords shall be plugged directly into an approved receptacle, power tap, or multi-plug adapter and shall, except for approved multi-plug extension cords, serve only one portable appliance. The ampacity of the extension cords shall be not less than the rated capacity of the portable appliance supplied by the cord. The extension cords shall be maintained in good condition without splices, deterioration, or damage. Extension cords and flexible cords shall not be affixed to structures, extend through walls, ceilings, floor, under doors, or floor coverings, or be subject to environmental or physical damage.	<input type="checkbox"/>	
NFPA 1: 11.1-Multi-plug adapters such as multi-plug extension cords, cube adapters, and strip plugs are prohibited. EXCEPTION: Power strips with circuit breaker or fuse overload protection.	<input type="checkbox"/>	
NFPA 1: 11.1-A clear and unobstructed means of access with a minimum width of 30 inches and a minimum height of 78 inches shall be maintained from the operating face of electrical breaker boxes, switchboards, and panel boards.	<input type="checkbox"/>	
IT/Telecom cables should not be attached to electrical raceway (see above list), should be at least 12" spacing between parallel runs (not required by code, but will eliminate 60-cycle induced noise).	<input type="checkbox"/>	
<u>All</u> compressed gas containers must be secured to prevent falling over (IFC 3003.5.3)	<input type="checkbox"/>	
Extension Cords shall not be used to power permanently installed appliances or equipment (refrigerators, microwave ovens, washers, dryers, window A/C units, etc. are considered permanent)	<input type="checkbox"/>	

DESCRIPTION	Deficiency Observed?	Location
Emergency Lighting must be provided either by battery powered fixtures or by emergency generators. Emergency lighting must be tested every six months and records must be maintained on site. (IFC 604.3.1 & 604.3.2)	<input type="checkbox"/>	
Fire safety plans, evacuation plans with locations of building emergency operation systems should be posted in conspicuous locations.	<input type="checkbox"/>	
Hydrants, if provided on the property, must be visible and accessible at all times. Hydrants shall not be obstructed by landscaping or other structures. It is required that there be at least three feet of clearance all the way around the hydrant. (NFPA 1:18.3.3.1)	<input type="checkbox"/>	
All fire lanes, fire department connections (F.D.C.) or control valves shall be clear and unobstructed. (IFC 508.5.4) Fire Department connections should be inspected and maintained regularly. (NFPA 25 9-7.1) The fire department connection should be checked to make sure that there are caps in place (to prevent garbage, etc. from being placed into the pipe and potentially clogging the system –possibly disabling the sprinkler or standpipe system in the event of a fire). The couplings should swivel easily so hoses can be connected easily. The area around the FDC shall be kept clear of obstructions at all times – it should be designated a “no parking” area and it shall be prohibited to pile stock or waste beneath or around the connection.	<input type="checkbox"/>	
Sprinkler or fire alarm systems shall be serviced annually and records of inspections maintained on site. Fire protection systems shall be maintained in an operative condition at all times and repaired where defective. (IFC 901.6)	<input type="checkbox"/>	
Street address must be clearly marked, and visible from the public roadway. (NFPA 1:10.13.1.2) Numbers or letters must be a minimum of six inches in height (minimum three inches for residential buildings), and in contrasting color from the background on which they will be placed.	<input type="checkbox"/>	
Knox box (key vault) will be required for Fire Department access to all buildings that contain a monitored fire alarm or a fire sprinkler system. (NFPA 1:10.12.2) These boxes shall contain keys or other devices necessary for the fire department to gain access into a structure in the event of an emergency during non-business hours.	<input type="checkbox"/>	

DESCRIPTION	Deficiency Observed?	Location
Fire sprinkler or standpipe systems shall be serviced and tested at least annually by a licensed fire protection contractor. The contractor will provide the owner with written records of the service and testing provided. It is the building owner's responsibility to contact the sprinkler company and schedule these inspections when they are due. (NFPA 69A: 46.041)	<input type="checkbox"/>	
Records of inspections, tests, and maintenance of fire sprinkler systems shall be on site and available for review. Contractors are required to leave a report documenting all maintenance, testing, or repair work that has been performed on the system. (NFPA 1:13.3.3.4)	<input type="checkbox"/>	
Abandoned in place wiring must be properly identified at juncture and termination or removed from all accessible areas and insulated (NFPA 1:11.1.14)	<input type="checkbox"/>	

\*2000 and 2003 Edition International , NFPA 101 and NEC Codes were used; in later editions the requirement will be the same, however the Section numbers may change slightly; ALWAYS determine if your jurisdiction has any local codes which are supplemental to these Codes.

**Fuller Heating & Cooling**

777 South Wagner Rd.  
Ann Arbor, MI 48103  
734-665-8651

**Cefai Builders**

9411 Beechcrest  
White Lake, MI 48386  
248-363-7546

**Schindler Elevator**

800-225-3123

**Wilmar**

804 East Gate Dr.  
Mt. Laurel, NJ 08054  
800-345-3000  
Contact: Kirk

**FIRE DEPARTMENT FOIA**

To: Ms. Melia Moshier  
Ann Arbor Fire Department  
111 North Fifth Avenue  
Ann Arbor, Michigan 48103

Date: July 9, 2009  
Phone #: 734.794.6961  
Fax #: 734.994.8814

Re: Miller Manor  
727 Miller Avenue  
Ann Arbor, MI 48103

EMG Project No: 90144.09R-001.052

Project Manager: Kevin Lantry

Dear Ms. Moshier:

EMG is an engineering firm currently conducting a property condition survey of the above-referenced property. As part of the due-diligence process, we are submitting this letter through the Freedom of Information Act to obtain information specific to the property. We request your assistance by providing us with the following information concerning the site and buildings:

1. Date of last fire department inspection \_\_\_/\_\_\_/\_\_\_  
mo. day year
2. Are there any OUTSTANDING fire code violations? YES / NO  
(circle one)
3. How often is the subject property inspected? annually, biennially, other  
(circle one)

Responses may be faxed directly to our office, at 410.785.6220, or mailed to our corporate offices:

EMG  
Attn: Kevin Lantry, Project Manager  
222 Schilling Circle, Suite 275  
Hunt Valley, Maryland 21031

If **outstanding** violations are on file, please provide copies of the reports/citations. Please note the EMG Project Number and the Technical Relationship Manager's name on all correspondence. If you need additional information to complete this request, please contact me at 800.733.0660. Thank you for your prompt attention to this matter.

Sincerely,

Kevin Lantry

Project Manager



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**APPENDIX D:  
EMG ABBREVIATED ACCESSIBILITY CHECKLIST**

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**Property Name:** Miller Manor  
**Date:** June 23 and 24, 2009  
**Project Number:** 90144.09R-001.052

EMG Abbreviated Accessibility and Section 504 Checklist					
	Building History	Yes	No	N/A	Comments
1.	Has the management previously completed an ADA review?	✓			
2.	Have any ADA improvements been made to the property?	✓			
3.	Does a Barrier Removal Plan exist for the property?		✓		
4.	Has the Barrier Removal Plan been reviewed/approved by an arms-length third party such as an engineering firm, architectural firm, building department, other agencies, etc.?			✓	
5.	Has building ownership or management received any ADA related complaints that have not been resolved?		✓		
6.	Is any litigation pending related to ADA issues?		✓		
	Parking	Yes	No	N/A	Comments
1.	Are there an sufficient parking spaces with respect to the total number of reported spaces?	✓			
2.	Are there sufficient van-accessible parking spaces available (96" wide/ 96" aisle for van)?		✓		
3.	Are accessible spaces marked with the International Symbol of Accessibility? Are there signs reading "Van Accessible" at van spaces?		✓		No van accessible
4.	Is there at least one accessible route provided within the boundary of the site from public transportation stops, accessible parking spaces, passenger loading zones, if provided, and public streets and sidewalks?	✓			
5.	Do curbs on the accessible route have depressed, ramped curb cuts at drives, paths, and drop-offs?	✓			
6.	Does signage exist directing you to accessible parking and an accessible building entrance?			✓	Not required



EMG Abbreviated Accessibility and Section 504 Checklist					
	Ramps	Yes	No	N/A	Comments
1.	If there is a ramp from parking to an accessible building entrance, does it meet slope requirements? (1:12)			✓	No ramps
2.	Are ramps longer than 6 ft complete with railings on both sides?			✓	
3.	Is the width between railings at least 36 inches?			✓	
4.	Is there a level landing for every 30 ft horizontal length of ramp, at the top and at the bottom of ramps and switchbacks?			✓	
	Entrances/Exits	Yes	No	N/A	Comments
1.	Is the main accessible entrance doorway at least 32 inches wide?	✓			
2.	If the main entrance is inaccessible, are there alternate accessible entrances?			✓	
3.	Can the alternate accessible entrance be used independently?			✓	
4.	Is the door hardware easy to operate (lever/push type hardware, no twisting required, and not higher than 48 inches above the floor)?	✓			
5.	Are main entry doors other than revolving door available?	✓			
6.	If there are two main doors in series, is the minimum space between the doors 48 inches plus the width of any door swinging into the space?	✓			
	Paths of Travel	Yes	No	N/A	Comments
1.	Is the main path of travel free of obstruction and wide enough for a wheelchair (at least 36 inches wide)?	✓			
2.	Does a visual scan of the main path reveal any obstacles (phones, fountains, etc.) that protrude more than 4 inches into walkways or corridors?		✓		
3.	Are floor surfaces firm, stable, and slip resistant (carpets wheelchair friendly)?	✓			
4.	Is at least one wheelchair-accessible public telephone available?	✓			
5.	Are wheelchair-accessible facilities (toilet rooms, exits, etc.) identified with signage?	✓			

EMG Abbreviated Accessibility and Section 504 Checklist					
6.	Is there a path of travel that does not require the use of stairs?	✓			
7.	If audible fire alarms are present, are visual alarms (strobe light alarms) also installed in all common areas?	✓			
	<b>Elevators</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>
1.	Do the call buttons have visual signals to indicate when a call is registered and answered?	✓			
2.	Is the "UP" button above the "DOWN" button?	✓			
3.	Are there visual and audible signals inside cars indicating floor change?	✓			
4.	Are there standard raised and Braille marking on both jambs of each host way entrance?	✓			
5.	Do elevator doors have a reopening device that will stop and reopen a car door if an object or a person obstructs the door?	✓			
6.	Do elevator lobbies have visual and audible indicators of car arrival?	✓			
7.	Does the elevator interior provide sufficient wheelchair turning area (51" x 68")?	✓			
8.	Are elevator controls low enough to be reached from a wheelchair (48 inches front approach/54 inches side approach)?	✓			
9.	Are elevator control buttons designated by Braille and by raised standard alphabet characters (mounted to the left of the button)?	✓			
10.	If a two-way emergency communication system is provided within the elevator cab, is it usable without voice communication?	✓			
	<b>Restrooms</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>
1.	Are common area public restrooms located on an accessible route?	✓			
2.	Are pull handles push/pull or lever type?	✓			
3.	Are there audible and visual fire alarm devices in the toilet rooms?		✓		
4.	Are corridor access doors wheelchair-accessible (at least 32 inches wide)?	✓			

EMG Abbreviated Accessibility and Section 504 Checklist					
5.	Are public restrooms large enough to accommodate a wheelchair turnaround (60" turning diameter)?	✓			
6.	In unisex toilet rooms, are there safety alarms with pull cords?			✓	
7.	Are stall doors wheelchair accessible (at least 32" wide)?			✓	
8.	Are grab bars provided in toilet stalls?			✓	
9.	Are sinks provided with clearance for a wheelchair to roll under (29" clearance)?	✓			
10.	Are sink handles operable with one hand without grasping, pinching or twisting?	✓			
11.	Are exposed pipes under sink sufficiently insulated against contact?		✓		2 Restrooms do not have pipe insulation
12.	Are soap dispensers, towel, etc., reachable (48" from floor for frontal approach, 54" for side approach)?	✓			
13.	Is the base of the mirror no more than 40" from the floor?	✓			

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**APPENDIX E:  
PRE-SURVEY QUESTIONNAIRE AND  
DOCUMENTATION REQUEST FORM**

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This questionnaire must be completed by the property owner, the owner's designated representative, or someone knowledgeable about the subject property. **The completed form must be presented to EMG's Field Observer on the day of the site visit.** If the form is not completed, EMG's Project Manager will require **additional time** during the on-site visit with such a knowledgeable person in order to complete the questionnaire. During the site visit, EMG's Field Observer may ask for details associated with selected questions. This questionnaire will be utilized as an exhibit in EMG's final Property Condition Report.

**Project Name:** Miller Manor **Project Number:** 90144.09R-001.052  
**Person completing form:** Mr. Randy Kapala **Date:** June 23-24, 2009  
**Association with Project:** Maintenance Supervisor **Phone Number:** 734.794.6720  
**Years associated w/Proj.:** 2.5 years **Fax Number:** \_\_\_\_\_  
**Current Owner:** Ann Arbor Housing Commission **Phone Number:** \_\_\_\_\_  
**Owner Since:** \_\_\_\_\_ **Estimated Value:** \_\_\_\_\_

Unk = Unknown, NA = Not Applicable

	Yes	No	Unk	NA	Comments
1. Does the property have full-time maintenance personnel on-site?	✓				
2. Have there been any capital improvements in the last five years?	✓				
If so, are details available?					
3. Are there any unresolved building, fire, or zoning code issues?		✓			
If so, what additional info is available?					
4. Are there any "down", unusable units?		✓			
5. Are there any problems or hazards at the property?		✓			
6. Has the property ever had an ADA accessibility review?	✓				
If so, is a copy available?					
7. Does a Barrier removal plan exist for the property?				✓	
8. Are there any unresolved accessibility issues at the property?		✓			
9. Is there any pending litigation concerning the property?	✓				
10. Is site drainage adequate?	✓				
11. Has a termite inspection occurred within the last year?		✓			
Is a copy of an inspection report available?					
12. Are there any problems with foundations or structures?		✓			
If so, are there plans to address?					
13. Is there any water infiltration in basements or crawl spaces?				✓	
14. Are there any wall or window leaks?		✓			
15. Are there any poorly insulated areas?		✓			
16. Are there any current roof leaks at the property?	✓				Has reportedly been addressed
17. Are any roof finishes more than ten years old?	✓				
18. Is the roofing covered by a warranty or bond?		✓			



	Yes	No	Unk	NA	Comments
19. Is Fire Retardant Treated (FRT) plywood used at the property?		✓			
20. Does the property have an exterior insulation and finish system (EIFS) with a synthetic stucco finish	✓				
21. Do the utilities (electric, gas, sewer, water) provide adequate service?	✓				
22. Is the property served by an on-site water system?		✓			
23. Is the property served by an on-site septic system?		✓			
24. If present, do irrigation systems function properly?				✓	
25. Are HVAC systems at the property inspected and maintained, at a minimum, annually?		✓			
26. Is the HVAC equipment more than ten years old?	✓				
27. Do any of the HVAC systems use R-11, 12, or 22 refrigerants?	✓				
28. Do tenants contract for their own HVAC work?		✓			
29. Has any HVAC system, or any other part of the property, ever contained visible suspect mold growth?		✓			
If so, where and when?					
30. Has the property ever been tested for indoor air quality or suspect mold?		✓			
If so, where and when? Results?					
31. Is there a response action in place to prevent mold growth or respond to its presence?	✓				
If so, describe. Is a copy available?					
32. Are the water heaters/boilers more than ten years old?	✓				
33. Is polybutylene piping used at the property?			✓		
34. Are there any plumbing leaks or water pressure problems?	✓				
35. Are there any leaks or pressure problems with natural gas service?		✓			
36. Does any part of the electrical system use aluminum wiring?		✓			
37. Do Residential units have a min. of 60-Amp service or Commercial units have a min. 200-Amp service?	✓				
38. Has elevator equipment been replaced in the last ten years?		✓			
39. Are the elevators maintained by a contractor on a regular basis?	✓				
40. Is the elevator emergency communication equipment functional?	✓				
41. Is the elevator emergency communication equipment ADA compliant?	✓				
42. Have the fire/life safety systems been inspected within the last year?	✓				
43. Are there any smoke evacuation or pressurization systems?	✓				

	Yes	No	Unk	NA	Comments
44. Are there any recalled Omega or Central brand fire sprinkler heads that have not yet been replaced?		✓			
45. Are there any emergency electrical generators?	✓				
46. Are the generators maintained on a regular basis?	✓				
47. Do tenants contract for their own improvement work?		✓			
48. Are tenants responsible for any roof, HVAC, or exterior wall maintenance, repair, or replacement?		✓			
If so, what, where and how?					
49. Have there been previous due diligence, engineering, environmental, or geological studies done?		✓			
If so, are copies available?					
50. Is there anything else that EMG should know about when assessing this property? If so, what?		✓			

On the day of the site visit, provide EMG's Field Observer access to all of the available documents listed below. Provide copies if possible.

INFORMATION REQUIRED	
1. All available construction documents (blueprints) for the original construction of the building or for any tenant improvement work or other recent construction work.	8. The company name, phone number, and contact person of all outside vendors who serve the property, such as mechanical contractors, roof contractors, fire sprinkler or fire extinguisher testing contractors, and elevator contractors.
2. A site plan, preferably 8 1/2" X 11", which depicts the arrangement of buildings, roads, parking stalls, and other site features.	9. A summary of recent (over the last 5 years) capital improvement work which describes the scope of the work and the estimated cost of the improvements. Executed contracts or proposals for improvements. Historical costs for repairs, improvements, and replacements.
3. For commercial properties, provide a tenant list which identifies the names of each tenant, vacant tenant units, the floor area of each tenant space, and the gross and net leasable area of the building(s).	10. Records of system & material ages (roof, MEP, paving, finishes, furnishings).
4. For apartment properties, provide a summary of the apartment unit types and apartment unit type quantities, including the floor area of each apartment unit as measured in square feet.	11. Any brochures or marketing information.
5. For hotel or nursing home properties, provide a summary of the room types and room type quantities.	12. Appraisal, either current or previously prepared.
6. Copies of Certificates of Occupancy, building permits, fire or health department inspection reports, elevator inspection certificates, roof or HVAC warranties, or any other similar, relevant documents.	13. Current occupancy percentage and typical turnover rate records (for commercial and apartment properties).
7. The names of the local utility companies which serve the property, including the water, sewer, electric, gas, and phone companies.	14. Previous reports pertaining to the physical condition of property.
	15. ADA survey and status of improvements implemented.
	16. Current / pending litigation related to property condition.

Your timely compliance with this request is greatly appreciated.





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**APPENDIX F:  
ACRONYMS AND OUT OF SCOPE ITEMS**

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**ASTM E2018-01 ACRONYMS**

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*ADA* - The Americans with Disabilities Act

*ASTM* - American Society for Testing and Materials

*BOMA* - Building Owners & Managers Association

*BUR* - Built-up Roofing

*DWV* – Drainage, Waste, Ventilation

*EIFS* - Exterior Insulation and Finish System

*EMF* – Electro Magnetic Fields

*EMS* - Energy Management System

*EUL* - Expected Useful Life

*FEMA* - Federal Emergency Management Agency

*FFHA* - Federal Fair Housing Act

*FIRMS* - Flood Insurance Rate Maps

*FRT*- Fire Retardant Treated

*FOIA* - U.S. Freedom of Information Act (5 USC 552 et seq.) and similar state statutes.

*FOIL* - Freedom of Information Letter

*FM* - Factory Mutual

*HVAC* - Heating, Ventilating and Air Conditioning

*IAQ* - Indoor Air Quality

*MEP* – Mechanical, Electrical & Plumbing

*NFPA* - National Fire Protection Association

*PNA* - Physical Needs Assessment

*PCR* - Property Condition Report

*PML* - Probable Maximum Loss

*RTU* - Rooftop Unit

*RUL* - Remaining Useful Life

*STC* – Sound Transmission Class

*UBC* – Uniform Building Code

Ref #	Section 8 : ASTM E 2018-01 Out of Scope Items
8.4.1.8	<b>Utilities:</b> Operating conditions of any systems or accessing manholes or utility pits.
8.4.2.2	<b>Structural Frame and Building Envelope:</b> Entering of crawl or confined space areas (however, field observer should observe conditions to the extent easily visible from the point of access to the crawl or confined space areas), determination of previous substructure flooding or water penetration unless easily visible or if such information is provided.
8.4.3.2	<b>Roofs:</b> Walking on pitched roofs, or any roof areas that appear to be unsafe, or roofs with no built-in access, or determining any roofing design criteria.
8.4.4.2	<b>Plumbing:</b> Determining adequate pressure and flow rate, fixture-unit values and counts, or verifying pipe sizes and verifying the point of discharge for underground systems.
8.4.5.2	<b>Heating:</b> Observation of flue connections, interiors of chimneys, flues or boiler stacks, or tenant-owned or maintained equipment.
8.4.6.2	<b>Air Conditioning and Ventilation:</b> Evaluation of process related equipment or condition of tenant owned/maintained equipment.
8.4.7.2	<b>Electrical:</b> Removing of electrical panel covers, except if removed by building staff, EMF issues, electrical testing, or operating of any electrical devices. Process related equipment or tenant owned equipment.
8.4.8.2	<b>Vertical Transportation:</b> Examining of cables, sheaves, controllers, motors, inspection tags, or entering elevator/escalator pits or shafts
8.4.9.1	<b>Life Safety / Fire Protection:</b> Determining NFPA hazard classifications, classifying, or testing fire rating of assemblies.
8.4.10.2	<b>Interior Elements:</b> Operating appliances or fixtures, determining or reporting STC (Sound Transmission Class) ratings, and flammability issues/regulations.

Ref #	Section 11 : ASTM E 2018-01 Out of Scope Items
11.1	<i>Activity Exclusions</i> - The activities listed below are generally excluded from or otherwise represent limitations to the scope of a PNA prepared in accordance with this <i>guide</i> . These should not be construed as all-inclusive or implying that any exclusion not specifically identified is a PNA requirement under this <i>guide</i> .
11.1.1	Removing or relocating materials, furniture, storage containers, personal effects, debris material or finishes; conducting exploratory probing or testing; <i>dismantling</i> or operating of equipment or appliances; or disturbing personal items or <i>property</i> which obstructs access or visibility.
11.1.2	Preparing <i>engineering</i> calculations (civil, structural, mechanical, electrical, etc.) to determine any <i>system's</i> , <i>component's</i> , or equipment's adequacy or compliance with any specific or commonly accepted design requirements or <i>building codes</i> , or preparing designs or specifications to remedy any <i>physical deficiency</i> .
11.1.3	Taking measurements or quantities to establish or confirm any information or representations provided by the <i>owner</i> or <i>user</i> such as: size and dimensions of the <i>subject property</i> or <i>subject building</i> , any legal encumbrances such as easements, dwelling unit count and mix, building <i>property</i> line setbacks or elevations, number and size of parking spaces, etc.
11.1.4	Reporting on the presence or absence of pests such as wood damaging organisms, rodents, or insects unless evidence of such presence is readily apparent during the course of the <i>field observer's walk-through survey</i> or such information is provided to the <i>consultant</i> by the <i>owner</i> , <i>user</i> , property manager, etc. The <i>consultant</i> is not required to provide a <i>suggested remedy</i> for treatment or remediation, determine the extent of infestation, nor provide <i>opinions of probable costs</i> for treatment or remediation of any deterioration that may have resulted.
11.1.5	Reporting on the condition of subterranean conditions such as underground utilities, separate sewage disposal <i>systems</i> , wells; <i>systems</i> that are either considered process-related or peculiar to a specific tenancy or use; waste water treatment plants; or items or <i>systems</i> that are not permanently installed.

Ref #	Section 11 : ASTM E 2018-01 Out of Scope Items
11.1.6	Entering or accessing any area of the premises deemed to pose a threat of <i>dangerous or adverse conditions</i> with respect to the <i>field observer</i> or to perform any procedure, which may damage or impair the physical integrity of the <i>property, any system, or component</i> .
11.1.7	Providing an opinion on the condition of any <i>system or component</i> , which is <i>shutdown</i> , or whose operation by the <i>field observer</i> may significantly increase the registered electrical demand-load. However, <i>consultant</i> is to provide an opinion of its physical condition to the extent reasonably possible considering its age, obvious condition, manufacturer, etc.
11.1.8	Evaluating acoustical or insulating characteristics of <i>systems or components</i> .
11.1.9	Providing an opinion on matters regarding security of the <i>subject property</i> and protection of its occupants or <i>users</i> from unauthorized access.
11.1.10	Operating or witnessing the operation of lighting or other <i>systems</i> typically controlled by time clocks or that are normally operated by the <i>building's operation staff or service companies</i> .
11.1.11	Providing an environmental assessment or opinion on the presence of any environmental issues such as asbestos, hazardous wastes, toxic materials, the location and presence of designated wetlands, IAQ, etc.
11.2	<i>Warranty, Guarantee and Code Compliance Exclusions</i> - By conducting a PNA and preparing a PCR, the <i>consultant</i> is merely providing an opinion and does not warrant or guarantee the present or future condition of the <i>subject property</i> , nor may the PNA be construed as either a warranty or guarantee of any of the following:
11.2.1	any <i>system's or component's</i> physical condition or use, nor is a PNA to be construed as substituting for any <i>system's or equipment's</i> warranty transfer inspection;
11.2.2	compliance with any federal, state, or local statute, ordinance, rule or regulation including, but not limited to, <i>building codes, safety codes, environmental regulations, health codes or zoning ordinances</i> or compliance with trade/design standards or the standards developed by the insurance industry. However, should there be any conspicuous <i>material</i> present violations <i>observed</i> or reported based upon <i>actual knowledge</i> of the <i>field observer</i> or the <i>PCR reviewer</i> , they should be identified in the PCR;
11.2.3	compliance of any material, equipment, or <i>system</i> with any certification or actuation rate program, vendor's or manufacturer's warranty provisions, or provisions established by any standards that are related to insurance industry acceptance/approval such as FM, State Board of Fire Underwriters, etc.
11.3	Additional/General Considerations:
11.3.1	Further Inquiry - There may be physical condition issues or certain physical improvements at the <i>subject property</i> that the parties may wish to assess in connection with a <i>commercial real estate transaction</i> that are outside the scope of this <i>guide</i> . Such issues are referred to as non-scope considerations and if included in the PCR, should be identified under Section 10.9.
11.3.2	<i>Non-Scope Considerations</i> - Whether or not a <i>user</i> elects to inquire into non-scope considerations in connection with this <i>guide</i> is a decision to be made by the <i>user</i> . No assessment of such non-scope considerations is required for a PNA to be conducted in compliance with this <i>guide</i> .

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**APPENDIX G:  
RESUMES FOR REPORT REVIEWER AND FIELD  
OBSERVER**

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# EMG RESUME

## EDWARD BEEGHLY

*Quality Assurance Manager*

### *Education*

- Pursuing Masters of Engineering in Project Management – UMD College Park
- Ohio Northern University; Bachelor of Science, Civil Engineering, May 1995
- Valley Forge Military College; Associate Degree in Business, May 1991

### *Project Experience*

- ***Charlottesville Department of Public Works, Charlottesville, NC*** – Mr. Beeghly, as the Program Manager on this project, which includes the assessment of eight sites encompassing over 161,000 SF. Projects under this contract include office buildings, a county health center, a fire station, an historic center and an opera house. EMG was responsible for assisting the DPW in developing their capital facilities plan for major rehabilitation projects at these buildings. EMG performed ADA assessments, facility assessments, and completed cost estimates per the RS Means model, adjusted to the location of the projects. Mr. Beeghly was responsible for management of the assessment teams and technical review of deliverables.
- ***Atlanta Housing Authority, Atlanta, GA*** – Mr. Beeghly is serving as the Program Manager for this ADA and Section 504 Assessment. He is responsible for managing the EMG team, as well as technical oversight and facilitating communication between EMG and AHA. Mr. Beeghly's knowledge of multifamily housing will lead the team to provide ADA assessments. EMG will provide AHA with design solutions to bring each facility in compliance with UFAS, and HUD Section 504 standards.
- ***MDSHA District 3, Greenbelt, MD (Chief of Engineering Systems)*** – Mr. Beeghly served as the Chief of Engineering. During this time he managed a staff of seven, including four project managers, two engineering technicians, and one administrative assistant. Their projects included 10 consulting contracts valued at \$12 million dollars. Additionally, he served as Program Manager for District 3's (Suburban Washington D.C.) system preservation programs. He was fiscally responsible for multiple programs valued upwards to \$90 million dollars. He tracked asset management performance goals, program budget, network condition, and public commitments in determining individual project scope and program priority.

### *Industry Tenure*

- A/E: 1995
- EMG: October, 2006

### *Related Experience*

### *Industry Experience*

- Government
- Office
- Industrial
- Affordable/Multi-family Housing
- Healthcare
- Retail
- Hospitality

### *Active Licenses/Registration*

- Engineer in Training – Maryland

### *Special Skills & Training*

- Dean L. H Archer Senior Design Award (Ohio Northern University)
- Geometric Design
- Highway Materials
- Pavement Design
- Project Management

### *Memberships*

- Association of State Highway Engineers

## KEVIN M. LANTRY

*Project Manager*

### *Education*

- BS, Mechanical Engineering, Purdue University School of Mechanical Engineering, 2003

### *Project Experience*

- **Two Illinois Center, Chicago, IL** – Project Manager. Completed an Equity Level Property Condition Evaluation of this 32-story building in Chicago’s East Loop office district. The 1.2 million square foot facility contains office and retail space along with a four level subterranean parking garage.
- **Paterson Housing Authority Energy Audits, Paterson, NJ** – Project Manager. Completed Energy Audits at office, residential, and recreational properties. Energy Audits included physical assessment, plan review, utility consumption analysis, and energy conservation recommendations.
- **Mark to Market Green PCAs, Various Locations** – Project Manager. Completed multiple Mark to Market Green PCAs per Housing and Urban Development (HUD) protocol. Reports included standard Mark to market assessments with energy audits and recommendations for sustainability.
- **Alan Bible Federal Building, Las Vegas, NV** – Project Manager. Completed a Level IV Web Building Engineering Report (BER) for the US Government General Services Administration. Evaluated the mechanical, plumbing, and elevator systems as part of the assessment team sent by EMG to analyze all building components.
- **Orange County Parks Depreciation Study, Orange County, CA** – Project Manager. Performed facility assessments on over 20 harbor, beach and park properties, including recreational facilities, maintenance facilities, and offices. Compiled data into individual Property Condition Reports, which included a Depreciation Study and 10-year Capital Plan for each facility.
- **First Energy Facility Assessments, Multiple Sites, PA** - Project Manager. Performed facility assessments on over forty sites for a large electric utility in central and eastern Pennsylvania. Evaluated a wide range of sites, including district offices, regional headquarters and maintenance facilities. Compiled results into individual Facility Condition Reports and EMG’s Assetcalc software to be used by the client for capital planning and facility investment purposes.

### *Industry Tenure*

- A/E: 2001
- EMG: 2004

### *Related Experience*

- GSA Assessment Team

### *Industry Experience*

- Industrial
- Commercial
- Multi-family Residential

### *Special Skills & Training*

- ISO 9000
- AutoCAD
- VFA.Facility Certified
- Cross Trained for Environmental Assessments
- Certified Multifamily Building Analyst by Building Performance Institute

### *Memberships*

- ASHRAE
- U.S. Green Building Council

### *Regional Location*

- Indianapolis, IN

\*\*\*\*\*  
\*\*\* FAX TX REPORT \*\*\*  
\*\*\*\*\*

TRANSMISSION OK

JOB NO. 4646  
DESTINATION ADDRESS 17342223930  
PSWD/SUBADDRESS  
DESTINATION ID  
ST. TIME 05/20 15:27  
USAGE T 00' 20  
PGS. 1  
RESULT OK

*5/28 2:12pm  
WCEHD called  
no records for  
any sites.  
PMD  
5/28/13*



### Environmental Resources Group

28003 Center Oaks Court • Suite 106 • Wixom, MI • 48393  
Phone: 248-773-7986 • Fax: 248-924-3108

# FAX COVERSHEET FREEDOM OF INFORMATION REQUEST

Project : 1109.001

To: Environmental Health Department

From: Penny M. Dwoinen

Affiliation: Washtenaw County

# Pages  
(incl. cover): 1

Fax: 734-222-3930

Date: May 20, 2013

Phone: 734-222-3800

cc: \_\_\_\_\_

Subject: FOIA Request

Urgent     FYI     As requested     Please Reply     Hard copy to follow

**Comments:**

Environmental Resources Group, LLC (ERG) has been retained to conduct Phase I Environmental Site Assessments at the following properties owned by the Ann Arbor Housing Commission:

- Baker Commons - 106 Packard Street, Ann Arbor
- Miller Manor - 727 Miller Avenue, Ann Arbor
- Green Baxter Court - 1701 Green Road, Ann Arbor
- Hikone - 2724 Hikone Road, Ann Arbor
- Maple Meadows - 800-890 S. Maple Road, Ann Arbor

ERG is requesting to review any information available regarding potential environmental impacts (water well records, septic system records, spills, dumping, hazardous material storage or incidents) at the properties.

If there are any questions please contact me at 810-730-4097 or penny.dwoinen@ergrp.net.

Thank you





# Environmental Resources Group

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Phone: 248-773-7986 • Fax: 248-924-3108

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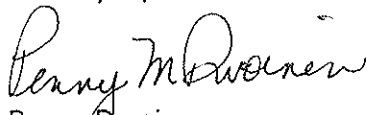
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If there are any questions please contact me at 810-730-4097 or penny.dwoinen@ergrp.net.

Thank you,

  
Penny Dwoinen  
Project Engineer

*(If there are any problems in transmission or I have sent you something in error, please advise).*

\*\*\*\*\*  
\*\*\* FAX TX REPORT \*\*\*  
\*\*\*\*\*

TRANSMISSION OK

JOB NO. 4644  
DESTINATION ADDRESS 17349948296  
PSWD/SUBADDRESS  
DESTINATION ID  
ST. TIME 05/20 13:19  
USAGE T 00' 41  
PGS. 1  
RESULT OK



### FOIA Request Form

Freedom of Information Act

Office Use Only  
FOIA# \_\_\_\_\_  
Due: \_\_\_\_\_ 10-Day Extension

This form is for non-police records. For police records, contact the police records department.

Please submit to: Ann Arbor City Clerk's Office  
301 E. Huron St., P.O. Box 8647  
Ann Arbor, MI 48107  
Tel: (734) 794-6140  
Fax: (734) 994-8296  
[cityclerk@a2gov.org](mailto:cityclerk@a2gov.org)

The Michigan Freedom of Information Act permits persons to request copies of public records. You may be required to pay for costs incurred in retrieving or copying such records. Some records may be exempt from disclosure.

Date of Request 5/20/2013 Name Environmental Resources Group (ERG)\_Penny Dwoinen

Address 28003 Center Oaks Ct., Suite 106, Wixom, MI 48393  
Street City State Zip

Telephone 248-773-7986 Email penny.dwoinen@erggrp.net

I am not requesting records or information relating to a civil action in which I (or a person on whose behalf I am making this request) and the City are parties.

*Penny M. Dwoinen*  
Requester's Signature

#### Description of Records (please print)

Describe, with specificity, the records you are requesting. If you are not sufficiently specific, it may be impossible to identify the records you request and your request may be denied. You may be contacted for clarification.

Any fire department records, incident reports, chemical inventories, inspection reports for the following Ann Arbor Housing Commission Properties: Baker Commons at 106 Packard, Miller Manor at 727 Miller Ave, Green Baxter Court at 1701 Green Road, Hikone at 2724 Hikone Road, and Maple Meadows at 800 S. Maple Road.

#### Fire Department Records (fill out only if requesting records pertaining to a fire department incident)

Date of Incident \_\_\_\_\_ Name of person involved \_\_\_\_\_

Your relation to person involved \_\_\_\_\_

- Incident records requested:  NFIRS Basic Incident Report  Investigation Report  
 Photographs  Environmental Report  Other \_\_\_\_\_



**FOIA Request Form**  
Freedom of Information Act

Office Use Only  
FOIA# \_\_\_\_\_  
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Street City State Zip

Telephone 248-773-7986 Email penny.dwoinen@ergrp.net

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Your relation to person involved \_\_\_\_\_

Incident records requested:  NFIRS Basic Incident Report  Investigation Report  
 Photographs  Environmental Report  Other \_\_\_\_\_

You will receive a response within five business days, counted from the day after your request is received. Electronically transmitted requests are deemed received the day after they are sent. The City may, within the five business days, issue a notice extending the request for ~~not~~ more than ten business days. If the estimated costs exceed \$50, you may be required to provide a deposit before your request will be fulfilled. You will be charged allowable fees under FOIA unless you provide documentation showing that you are receiving public assistance or are otherwise unable to pay due to indigence.

Please select how you would like to receive the requested records:  Pick up  Mail  Email

**RECORDS WILL NOT BE RELEASED UNTIL FULL PAYMENT OF COSTS**



## CITY OF ANN ARBOR, MICHIGAN

301 E. Huron Street, P.O. Box 8647, Ann Arbor, Michigan 48107-8647

Phone (734)794-6140 Fax (734)994-8296

[www.a2gov.org](http://www.a2gov.org)

City Clerk

May 29, 2013

Penny Dwoinen  
28003 Center Oaks Ct., Suite 106  
Wixom, MI 48393  
Via Email: [penny.dwoinen@ergrp.net](mailto:penny.dwoinen@ergrp.net)

Subject: Freedom of Information Act Request received May 21, 2013  
13-168 Dwoinen

Dear Ms. Dwoinen:

I am responding to your request under the Michigan Freedom of Information Act received May 21, 2013 for any fire department records, incident reports, chemical inventories, inspection reports for the Ann Arbor Housing Commission properties: Baker Commons at 106 Packard, Miller Manor at 7272 Miller Ave, Green Baxter Court at 1701 Green Road, Hikone at 2724 Hikone Road, and Maple Meadows at 800 S. Maple Road your request is granted in part and denied in part. Your request is denied to the extent that some records do not exist.

The City does not warrant or guarantee the accuracy of the information provided. Rather, it provides the documents only to comply in good faith with the Michigan Freedom of Information Act, and not for any other purpose.

If you receive written notice that your request has been denied, in whole or in part, under Section 10 of the Act, you may, at your option either: (1) submit to the City Administrator a written appeal that specifically states the word "appeal" and identifies the reason(s) for reversal of the disclosure denial; or (2) file a lawsuit in the circuit court to compel the City's disclosure of the record. If after judicial review, the circuit court determines that the City has not complied with the Act, you may be awarded reasonable attorneys' fees and damages as specified under the Act.

If you have any questions concerning this response, please contact Jennifer Alexa, Deputy Clerk, at 734-794-6140.

Sincerely,

Jacqueline Beaudry  
City Clerk

ANNUAL INSPECTION REPORT

ANN ARBOR HOUSING COMMISSION

APARTMENT NO. 727 Miller # 207  
 NAME Henry Myers DATE May 16, 1991

If work is  
to be done o.k.

KITCHEN

<u>                    </u>	( )	( )	
Inside Door	( )	( X )	
<u>                    </u>	( )	( )	
Range	( X )	( )	<i>greasy</i>
Refrigerator	( X )	( )	<i>GE VENT TOP MISSING</i>
Cabinets	( X )	( )	<i>very dirty</i>
Counter Tops	( X )	( )	
Sink	( X )	( X )	
Floor	( X )	( )	<i>dirty in corners</i>
Walls	( X )	( )	<i>very dirty</i>
Light Fixture	( X )	( )	
Ceiling	( X )	( )	
Appearance	( X )	( )	
Odor	( X )	( )	
Smoke Detector	( X )	( )	<i>NOT assemble</i>

PANTRY

Door	( )	( )	<i>dirty</i>
Shelves	( )	( )	
Appearance	( )	( )	
Odor	( )	( )	

HALL

Walls	( )	( )	
Floor	( )	( )	
Light Fixture	( )	( )	

\* WORK ORDER \_\_\_\_\_

LIVING ROOM

Walls	X	( )
Ceiling	X	( )
Floor	X	( )
Windows	X	( )
Window Screens	X	( )
Appearance	X	( )
Odor	X	( )
_____	X	( )
_____	X	( )
_____	X	( )

*dirty*

*dirty* CEILING FAN

*carpet dirty*

*dirty*

*dirty*

*dirty*

HALL

Closet-Linen	( )	( )
" (door)	( )	( )
Closet-Storage	( )	( )
" (door)	( )	( )
Light Fixture	( )	( )
Walls	( )	( )
Floor	( )	( )
_____	( )	( )
_____	( )	( )

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

BATHROOM

Light Fixture	( )	X
Toilet	( )	X
Sink	( )	X
Medicine Cab.	( )	X
Tub	X	X
Shower Surround	( )	X
Grab Bars	( )	X
Shower Curtain	( )	X
" " Rod	( )	X
Towel Bars	( )	X
Paper Holder	X	X
Fan	( )	X
Walls	( )	X
Floor	( )	X
Door	( )	X
Appearance	( )	X
Odor	( )	X
_____	( )	X
_____	( )	X

*leaking*

*chipped*

*missing post*

*mat rubberized*

*Bobas* dresser bed  
*chair* chest (old)

BEDROOM

Door	(X)	(X)	Hinges need to be replaced
Light Fixtures	( )	(X)	dirty
Walls	( )	(X)	dirty
Windows	( )	(X)	dirty
Window Screens	( )	(X)	dirty
Closet	( )	( )	
Closet Doors	( )	( )	dirty
Floor	( )	( )	
Appearance	( )	( )	
Odor	( )	( )	
_____	( )	( )	
_____	( )	( )	3 pre schoolers sleeping in this bed, under 4 years old.

BEDROOM

Door	( )	( )	_____
Light Fixtures	( )	( )	_____
Walls	( )	( )	_____
Windows	( )	( )	_____
Window Screens	( )	( )	_____
Closet	( )	( )	_____
Closet Doors	( )	( )	_____
Floor	( )	( )	_____
Appearance	( )	( )	_____
Odor	( )	( )	_____
_____	( )	( )	_____
_____	( )	( )	_____

Tenant states that the said apartment, on this date, was as is stated.  
 Tenant states that she/he shall maintain the premises in a safe, and proper manner.

Tenant further states that if not home, permission to enter is granted to Ann Arbor Housing Commission staff to complete work indicated.

Kathleen Schapp (X) \_\_\_\_\_ TENANT  
 CERTIFIED HOUSING MANAGER

\_\_\_\_\_ TITLE \_\_\_\_\_ TENANT

COMMENTS: Entire apt. has an accumulation of grease and dirt on all the walls, ceiling and especially where the walls have hand contact. The doors were even greasy to the touch. Three children under four years old were sleeping in the bed in the bedroom, while we did the inspection. All the corners through out the apt had buildup of dirt. Connie, Henry and the three toddlers were present. A copy of this inspection and the building department report will be sent over to the Fire department  
Attn:

---

airsenio



REPAIRS NEEDED FROM FIRE INSPECTION  
MILLER MANOR  
REINSPECTION 7-31-91

6-12-91

- ✓ 1) ALL STORAGE MUST BE NO CLOSER THAN 18" TO SPRINKLER HEADS
- \* 2) DISCONTINUE USE OF ALL EXISTING GAS CANS AND CHANGE TO "FIRE SAFETY GAS CAN"
- ✓ 3) LABEL DOOR TO PAINT ROOM "FLAMMABLE STORAGE"
- 4) NO SMOKING IN GARAGE AREA WITH OPEN FLAMMABLE LIQUIDS
- ✓ 5) SECURE LIGHT FIXTURE IN APPLIANCE WASH BAY
- ✓ 6) ALL DOORS WITH DOOR CLOSERS ARE NOT TO BE PROPPED OPEN
- ✓ 7) REPAIR HINGES ON APPLIANCE STORAGE ROOM DOOR
- ✓ 8) PORTABLE RADIO HAS IMPROPER WIRING (CORD SPICED w/ NUTS) BY TIME CLOCK
- DONE \* 9) USE FUSE STRIP EXTENSION CORDS AT COFFEE POT AREA IN FRONT OFFICE AND RENEES OFFICE
- ✓ 10) REMOVE ALL ITEMS FROM SECTION 8 HALLWAY
- ✓ 11) STORAGE IN COPIER ROOM & SHOWER ROOM NOT ALLOWED
- ✓ 12) IN M.M. KITCHEN BREAKER BOX COVER LOOSE
- DICK ✓ 13) CHECK AND RELAMP AS NEEDED ALL EXIT LIGHT
- 14) CHAIN AND LOCK ALL O.S. & Y VALVES
- DICK ✓ 15) TRASH CHUTE DOOR TRACK AND ROLLERS NEED CLEANING FOR SMOOTH OPERATION AND A FUSABLE LINK INSTALLED.
- ✓ 16) REPAIR FLUORESCENT FIXTURE IN TRASH ROOM
- 17) EMPTY GAS TANKS ON SNOW BLOWERS AND EQUIPMENT

IN STORE ROOM.

DICK ~~18)~~ CLEAN STORE ROOM OUTSIDE GREEN HOUSE AREA AND BOILER Rm.

DAVE ~~19)~~ FIRE EXTINGUISHER ON 6<sup>TH</sup> FLOOR EAST SIDE STAIRWELL NEEDS RECHARGING.

~~20)~~ ADJUST EAST STAIRWELL DOOR ON FOURTH FLOOR TO CLOSE AND LATCH. Still doesn't latch

DICK ~~DONE~~ CLEAN STAIRWELLS OF ALL PAPER & DEBRIS

DONE ~~22)~~ REPLACE GLASS ROD ON 4<sup>TH</sup> FLOOR ELEVATOR PULL STATION

~~23)~~ ON EACH FLOOR POST "DO NOT USE ELEVATORS IN CASE OF FIRE" SIGNS

~~24)~~ AVOID AND PREVENT ALL OPEN GAS CANS AND FLAMMABLE LIQUIDS IN GARAGE - MUST BE KEPT IN FLAMMABLE STORAGE ROOM

~~25)~~ CHECK ALL EMERGENCY LIGHTING IN OFFICE REPAIR AS NEEDED

DON ~~26)~~ CHECK ON FEASIBILITY OF SUPPRESSING STORAGE ROOMS

DON ~~27)~~ HAVE PUMP ON SPRINKLER SYSTEM CHECKED, REPAIRED, AND TESTED ALONG WITH ALARM SYSTEM - A.A.F.D. MUST BE PRESENT.

ANN ARBOR FIRE DEPARTMENT  
111 N. Fifth Avenue 994-2774

*Inspect Baker Commons  
2:00 6-18-91*

BOCA FIRE PREVENTION CODE  
BASIC OCCUPANCY REPORT

ADDRESS 727 Miller 9942828  
Property Name: Miller Manor  
Tenant Name: \_\_\_\_\_  
Responsible Party: Don Wright  
Auto Sprinkler: L.A. ✓ Standpipe & Hose Cabinets: ✓ Fire Pump: ✓  
Location Of Fire Department Connection: West end of Bldg  
Fire Alarm: Automatic Manual ✓ Alarm Co. Honeywell  
Location Of Annunciator Panel: Storage rm 1st Floor  
Fixed Property Use: Residential Type Of Bldg. Const: \_\_\_\_\_  
Number Of Stories Occupied By Tenant: 7 Total Floor Area Of Tenant Space: \_\_\_\_\_

Date: 6-11-91 Time: \_\_\_\_\_  
Emergency Contacts \_\_\_\_\_

Violation	Violation	Violation	Violation
EXITWAYS	ELECTRICAL	SPRINK & STANDPIPE	SPRINK CONTROL
Proper Number	CONTROL PANEL	RISERS & VALVES	Open
Obstructed	Access	Condition	Accessible
Arrangement	Properly Marked	Accessible	Condition
Door Swing	CIRCUITS	DRAINS	F.D. CONNECTION
Locks	Proper Sizes	Marked	Accessible
Panic Hardware	Identified	Accessible	Swivels Working
STAIRWAYS	Unused Opening	SPARE HEADS	Cap & Plugs
Proper Number	OUTLETS	Available	Threads
Width	Proper Location	Wrench	
Arrangement	Proper Number	FIRE PUMP <i>Need Test</i>	COMPRESSED GAS
Door Swing	Covers	Enclosed in Room	Chained
Hold Open Device	EXTENSION CORDS	Condition	Storage
Locks	Condition	SPRINKLER COVERAGE	Other
Panic Hardware	Use <i>office</i>	HOSE STATIONS	FLAMMABLE LIQUID
AISLES	EMERG. LIGHTS	OTHER	Storage
Proper Width	Adequate		Dispensing
Arrangement	BATTERY UNITS	FIRE ALARM SYSTEM <i>Need Test</i>	Sources Of Ignition
INTERIOR	Tested	CONTROL PANEL	No Smoking Signs
Condition	EXIT LIGHTS	Accessible	Class B Extin.
	Working <i>Lobby</i>	Identified	OTHER
FIRE WALLS	Properly Located	PULL STATIONS	
Condition	EXPLOSION PROOF	Accessible	PORT FIRE EXTING.
Fire Doors	Condition	Working	Condition
Operation	Seal Offs	DETECTORS	Location
Hold Open Device	ELEVATOR SHAFTS	Location	Type
STORAGE	Emergency Key	Working	Access
Condition	Stop	OTHER	Other
Height	Equipment Room		GAS METER
Housekeeping	HOOD & DUCT SUPP.	SUPERVISION	Condition
No Smoking Signs	Condition	Sprinkler System	Protection
CEILING	Serviced	Fire Alarm System	ADDRESS
Condition	Coverage	Sprinkler Valve	Adequate

PERSON INTERVIEWED: Don Wright  
Remarks Or Instructions For Elimination Of Fire Hazards: Provide Safety Cans For (Not done) gasoline storage - Label Flammable Storage rm. repair light fixture in appliance wash rm. repair fusible (Not done) link trash door - Sprinkler protection for storage areas

You are hereby requested to remedy the above noted violations of the Fire Prevention Code within 45 days.  
A re-inspection will be made. pull sta 4th fl glass missing near elevator

APPROVAL DATE, PERMIT ISSUED: \_\_\_\_\_  
Need signs for elevator (due not use during fire)  
Symbols: 0-Violation +-No Violation /-Does Not Pertain  
East 4th fl down to stairwell does not latch  
INSPECTOR: Harris - Larson



## CITY OF ANN ARBOR, MICHIGAN

111 N. Fifth Avenue, Ann Arbor, Michigan 48104  
Phone (313) 994-2772

November 4, 1986

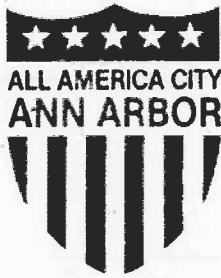
Ann Arbor Fire Department

BONNIE J. NEWLUN  
Executive Director  
Housing Commission  
727 Miller Avenue  
Ann Arbor, MI 48103

Dear Ms. Newlun:

A fire inspection was conducted on 10/30/86 at Miller Manor, 727 Miller Avenue. The following fire code violations were discovered and require your immediate attention:

- (1) All exit lights throughout the building should be lit and maintained as such.
- (2) All combustible storage in the electrical equipment room shall be removed, and placed in the sprinklered storage area. Maintain accessibility to all electrical panels.
- (3) Repair all required lighting in exit corridors and stair-towers.
- (4) Repair leaking standpipe control valve (OS&Y).
- (5) Sprinkler control valve and standpipe control valve (OS&Y) shall be locked in the open position.
- (6) Replace defective gasoline storage container.
- (7) Lawn mowers that are stored in the building (sprinklered storage area) during the cold season shall be drained of gasoline.
- (8) Remove all storage from stairtower.
- (9) The manual fire alarm system must be tested. Please notify this Department so that we may witness the test.
- (10) I am recommending upgrading the existing manual fire alarm system to an automatic system covering all areas of the building with the exception of apartment units.



CITY OF ANN ARBOR MICHIGAN

111 N. Fifth Avenue, Ann Arbor, Michigan 48104  
Phone (313) 994-2772

May 11, 1984

Ann Arbor Fire Department

MR. HARRY KERR  
MR. JIM RAYBURN  
Ann Arbor Housing Commission  
727 Miller Avenue  
Ann Arbor, MI 48104

Dear Mr. Kerr:

A fire inspection conducted at 727 Miller on 5/9/84 revealed several minor and critical code infractions. The critical code infractions are the following:

- (1) Fire alarm system shall be repaired and maintained. The system shall be tested periodically, and records maintained for inspections.
- (2) Repair exit lights and maintain lighted at all times.
- (3) Repair exit corridor doors leading into exit stairwells to close and latch properly. At no time shall these doors be blocked open.
- (4) Repair leaking valves in fire hose cabinets.

As mentioned above, these items are critical and affect the safety of the occupants of the building; they are to be repaired as quickly as possible.

If this Department can be of any further assistance to you, please contact the Fire Prevention Bureau at 994-2774.

Cordially,

LEVOY E. LARSON, Deputy Fire Marshal  
City of Ann Arbor  
FIRE DEPARTMENT

LEL/sjm

ADDRESS 727 Miller Date: 8/9/84 Time: \_\_\_\_\_  
 Property Name: MILLER MANOR Emergency Contacts \_\_\_\_\_  
 Tenant Name: Ann Arbor Housing Commission  
 Responsible Party: HARRY KERR  
 Auto Sprinkler: L.A. X Standpipe & Hose Cabinets: X Fire Pump: X  
 Location of Fire Department Connection: Front of Bldg  
 Fire Alarm: Automatic X Manual X Alarm Co. Electronic Alarms  
 Location of Annunciator Panel: \_\_\_\_\_  
 Fixed Property Use: R Type Of Bldg. Const: Concrete  
 Number Of Stories Occupied By Tenant: 7 Total Floor Area Of Tenant Space: \_\_\_\_\_

Violation	Violation	Violation	Violation
EXITWAYS	ELECTRICAL	SPRINK & STANDPIPE	SPRINK CONTROL
Proper Number	CONTROL PANEL	RISERS & VALVES	Open
Obstructed	Access	Condition <u>E. Stairwell</u>	Accessible
Arrangement	Properly Marked	Accessible	Condition
Door Swing	CIRCUITS	DRAINS	F.D. CONNECTION
Locks	Proper Sizes	Marked	Accessible
Panic Hardware	Identified	Accessible	Swivels Working
STAIRWAYS	Unused Opening	SPARE HEADS	Cap & Plugs
Proper Number	OUTLETS	Available	Threads
Width	Proper Location	Wrench	
Arrangement	Proper Number	FIRE PUMP	COMPRESSED GAS
Door Swing	Covers	Enclosed in Room	Chained
Hold Open Device	EXTENSION CORDS	Condition	Storage
Locks	Condition	SPRINKLER COVERAGE	Other
Panic Hardware	Use <u>files</u>	HOSE STATIONS	FLAMMABLE LIQUID
AISLES	EMERG. LIGHTS	OTHER	Storage
Proper Width	Adequate	FIRE ALARM SYSTEM	Dispensing
Arrangement	BATTERY UNITS	CONTROL PANEL	Sources Of Ignition
INTERIOR	Tested	Accessible	No Smoking Signs
Condition	EXIT LIGHTS <u>2-A-5</u>	Identified	Class B Extin.
	Working	PULL STATIONS	OTHER
FIRE WALLS	Properly Located	Accessible	PORT FIRE EXTING.
Condition	EXPLOSION PROOF	Working <u>glass</u>	Condition <u>garden</u>
Fire Doors	Condition	DETECTORS	Location
Operation	Seal Offs	Location	Type
Hold Open Device	ELEVATOR SHAFTS	Working	Access
STORAGE	Emergency Key!	OTHER	Other
Condition	Stop	SUPERVISION	GAS METER
Height	Equipment Room	Sprinkler System	Condition
Housekeeping	HOOD & DUCT SUPP.	Fire Alarm System	Protection
No Smoking Signs	Condition	Sprinkler Valve	ADDRESS
CEILING	Serviced		Adequate
Condition <u>offices</u>	Coverage		

PERSON INTERVIEWED: Jim Rayburn  
 Remarks Or Instructions For Elimination Of Fire Hazards: W. Stairwell 1-2-3 doors 7th Hose & tank  
Supervise all gate valves E. Stairwell - 4\*  
for Standpipe system.

You are hereby requested to remedy the above noted violations of the Fire Prevention Code within 30 days.  
 A re-inspection will be made.

APPROVAL DATE, PERMIT ISSUED: \_\_\_\_\_

Symbols: 0-Violation + -No Violation / -Does Not Pertain

INSPECTOR: Baker-Larson

ANN ARBOR FIRE DEPARTMENT  
111 N. Fifth Avenue 994-2774

# OF RESIDENTS

BOCA FIRE PREVENTION CODE  
BASIC OCCUPANCY REPORT

ADDRESS: 107 MILLER 994 2828  
Property Name: MILLER MANOR

Date: 10-30-86 Time: \_\_\_\_\_  
Emergency Contacts: \_\_\_\_\_

Tenant Name: \_\_\_\_\_

Responsible Party: BONNIE NEWLAND

Auto Sprinkler: L.A. ✓ Standpipe & Hose Cabinets: ✓ Fire Pump: \_\_\_\_\_

Location Of Fire Department Connection: \_\_\_\_\_

Fire Alarm: Automatic \_\_\_\_\_ Manual ✓ Alarm Co. \_\_\_\_\_

Location Of Annunciator Panel: 1ST FLOOR MECHANICAL ROOM

Fixed Property Use: RESIDENTIAL Type Of Bldg. Const: \_\_\_\_\_

Number Of Stories Occupied By Tenant: 7 Total Floor Area Of Tenant Space: \_\_\_\_\_

Violation	Violation	Violation	Violation
EXITWAYS	ELECTRICAL	SPRINK & STANDPIPE	SPRINK CONTROL
Proper Number	CONTROL PANEL	RISERS & VALVES	Open
Obstructed	Access	Condition	Accessible
Arrangement	Properly Marked	Accessible	Condition
Door Swing	CIRCUITS	DRAINS	F.D. CONNECTION
Locks	Proper Sizes	Marked	Accessible
Panic Hardware	Identified	Accessible	Swivels Working
STAIRWAYS	Unused Opening	SPARE HEADS	Cap & Plugs
Proper Number	OUTLETS	Available	Threads
Width	Proper Location	Wrench	
Arrangement	Proper Number	FIRE PUMP	COMPRESSED GAS
Door Swing	Covers	Enclosed in Room	Chained
Hold Open Device	EXTENSION CORDS	Condition	Storage
Locks	Condition	SPRINKLER COVERAGE	Other
Panic Hardware	Use	HOSE STATIONS	FLAMMABLE LIQUID
AISLES	EMERG. LIGHTS	OTHER	Storage
Proper Width	Adequate		Dispensing
Arrangement	BATTERY UNITS	FIRE ALARM SYSTEM	Sources Of Ignition
INTERIOR	Tested	CONTROL PANEL	No Smoking Signs
Condition	EXIT LIGHTS	Accessible	Class B Extin.
	Working	Identified	OTHER
FIRE WALLS	Properly Located	PULL STATIONS	
Condition	EXPLOSION PROOF	Accessible	PORT FIRE EXTING.
Fire Doors	Condition	Working	Condition
Operation	Seal Offs	DETECTORS	Location
Hold Open Device	ELEVATOR SHAFTS	Location	Type
STORAGE	Emergency Key!	Working	Access
Condition	Stop	OTHER	Other
Height	Equipment Room		GAS METER
Housekeeping	HOOD & DUCT SUPP.	SUPERVISION	Condition
No Smoking Signs	Condition	Sprinkler System	Protection
CEILING	Serviced	Fire Alarm System	ADDRESS
Condition	Coverage	Sprinkler Valve	Adequate

PERSON INTERVIEWED: BONNIE NEWLAND

Remarks Or Instructions For Elimination Of Fire Hazards: RECOMMEND UPGRADING THE EXISTING MANUAL FIRE ALARM SYSTEM TO AN AUTOMATIC SYSTEM COVERING ALL AREAS OF BLDG. WITH THE EXCEPTION OF APPTS.

You are hereby requested to remedy the above noted violations of the Fire Prevention Code within \_\_\_\_\_ days.  
A re-inspection will be made.

APPROVAL DATE, PERMIT ISSUED: \_\_\_\_\_

Symbols: O-Violation +--No Violation /-Does Not Pertain

INSPECTOR: HARRIS

**MEMORANDUM  
CITY HALL  
ANN ARBOR, MICHIGAN 48107**

**TO:** Ann Arbor Housing Commission  
727 Miller  
Ann Arbor, MI 48103  
Attn: Kathleen Schlipp

**DATE:** June 4, 1991

**FROM:** Dennis W. Hasley, Fire Inspector *DWH*

**SUBJECT:** Apartment # 207

After reviewing the reports concerning apartment # 207 with the Fire Marshal, I can find no violations of the fire code. There will be no further action by this department.

If this department can be of any further assistance to you, please feel free to contact the Fire Prevention Bureau at (313) 994-2772.

DWH/jme



Fdid	Inci_no	Exp_no	Alm_date	Alm_time	Station	Address	Inci_type	Descript
8101	03-0000203	0	4/17/2003	7:28:00	1	727 MILLER AVE /606	311	Medical assist, assist EMS crew
8101	03-0000343	0	4/23/2003	18:37:00	1	727 MILLER AVE	311	Medical assist, assist EMS crew
8101	03-0000490	0	4/29/2003	19:10:00	1	727 MILLER AVE	311	Medical assist, assist EMS crew
8101	03-0000680	0	5/8/2003	8:49:00	1	727 MILLER AVE /407	321	EMS call, excluding vehicle accident with injury
8101	03-0000683	0	5/8/2003	22:35:00	1	727 MILLER AVE	552	Police matter
8101	03-0000939	0	5/23/2003	18:14:00	1	727 MILLER AVE	311	Medical assist, assist EMS crew
8101	03-0001004	0	5/26/2003	12:41:00	1	727 MILLER AVE /206	311	Medical assist, assist EMS crew
8101	03-0001057	0	5/29/2003	2:50:00	1	727 MILLER AVE	321	EMS call, excluding vehicle accident with injury
8101	03-0001300	0	6/9/2003	18:20:00	1	727 MILLER AVE	531	Smoke or odor removal
8101	03-0001920	0	7/5/2003	4:21:00	1	727 MILLER AVE /715	321	EMS call, excluding vehicle accident with injury
8101	03-0001992	0	7/7/2003	9:25:00	1	727 MILLER AVE	553	Public service
8101	03-0002166	0	7/15/2003	22:38:00	1	727 MILLER AVE	600	Good intent call, Other
8101	03-0002696	0	8/9/2003	12:32:00	1	727 MILLER AVE /615	251	Excessive heat, scorch burns with no ignition
8101	03-0002726	0	8/11/2003	1:29:00	1	727 MILLER AVE	113	Cooking fire, confined to container
8101	03-0003094	0	8/25/2003	15:52:00	1	727 MILLER AVE /211	321	EMS call, excluding vehicle accident with injury
8101	03-0003157	0	8/27/2003	22:08:00	1	727 MILLER AVE	700	False alarm or false call, Other
8101	03-0003397	0	9/7/2003	2:34:00	1	727 MILLER AVE /215	113	Cooking fire, confined to container
8101	03-0003398	0	9/7/2003	4:07:00	1	727 MILLER AVE	321	EMS call, excluding vehicle accident with injury
8101	03-0003438	0	9/8/2003	22:54:00	1	727 MILLER AVE /307	311	Medical assist, assist EMS crew
8101	03-0003617	0	9/15/2003	17:39:00	1	727 MILLER AVE /702	251	Excessive heat, scorch burns with no ignition
8101	03-0003947	0	9/26/2003	23:40:00	1	727 MILLER AVE /708	730	System malfunction, Other
8101	03-0004003	0	9/29/2003	2:38:00	1	727 MILLER AVE	600	Good intent call, Other
8101	03-0004198	0	10/8/2003	7:44:00	1	727 MILLER AVE	321	EMS call, excluding vehicle accident with injury
8101	03-0004658	0	10/29/2003	13:47:00	1	727 MILLER AVE	321	EMS call, excluding vehicle accident with injury
8101	03-0004737	0	11/3/2003	3:13:00	1	727 MILLER AVE	300	Rescue, EMS incident, other
8101	03-0004833	0	11/8/2003	14:43:00	1	727 MILLER AVE	321	EMS call, excluding vehicle accident with injury
8101	03-0005248	0	11/29/2003	10:53:00	1	727 MILLER AVE /303	321	EMS call, excluding vehicle accident with injury
8101	03-0005456	0	12/11/2003	22:05:00	1	727 MILLER AVE /112	611	Dispatched & cancelled en route
8101	03-0005733	0	12/29/2003	11:55:00	1	727 MILLER AVE	321	EMS call, excluding vehicle accident with injury
8101	04-0000039	0	1/3/2004	18:23:00	1	727 MILLER AVE /206	600	Good intent call, Other
8101	04-0000211	0	1/14/2004	23:50:00	1	727 MILLER AVE	321	EMS call, excluding vehicle accident with injury
8101	04-0000308	0	1/20/2004	18:15:00	1	727 MILLER AVE	321	EMS call, excluding vehicle accident with injury
8101	04-0000318	0	1/21/2004	11:49:00	1	727 MILLER AVE	321	EMS call, excluding vehicle accident with injury

8101 04-0000366	0	1/23/2004	19:14:00	1 727 MILLER AVE /601	321	EMS call, excluding vehicle accident with injury
8101 04-0000789	0	2/16/2004	21:10:00	1 727 MILLER AVE	711	Municipal alarm system, malicious false alarm
8101 04-0000925	0	2/26/2004	10:52:00	1 727 MILLER AVE /207	311	Medical assist, assist EMS crew
8101 04-0000932	0	2/27/2004	1:01:00	1 727 MILLER AVE /207	311	Medical assist, assist EMS crew
8101 04-0001174	0	3/14/2004	15:24:00	1 727 MILLER AVE /215	651	Smoke scare, odor of smoke
8101 04-0001252	0	3/18/2004	17:50:00	1 727 MILLER AVE	442	Overheated motor
8101 04-0001499	0	4/2/2004	19:19:00	1 727 MILLER AVE	600	Good intent call, Other
8101 04-0001726	0	4/16/2004	14:20:00	3 727 MILLER AVE /ANN ARBOR,	113	Cooking fire, confined to container
8101 04-0001943	0	4/27/2004	0:17:00	1 727 MILLER AVE /504	113	Cooking fire, confined to container
8101 04-0002075	0	5/4/2004	1:24:00	1 727 MILLER AVE	551	Assist police or other governmental agency
8101 04-0002085	0	5/4/2004	19:43:00	1 727 MILLER AVE	300	Rescue, EMS incident, other
8101 04-0002221	0	5/13/2004	16:42:00	1 727 MILLER AVE	300	Rescue, EMS incident, other
8101 04-0002222	0	5/13/2004	17:38:00	1 727 MILLER AVE /403	300	Rescue, EMS incident, other
8101 04-0002231	0	5/13/2004	21:57:00	1 727 MILLER AVE /413	300	Rescue, EMS incident, other
8101 04-0002620	0	6/1/2004	19:37:00	1 727 MILLER AVE /215	111	Building fire
8101 04-0002834	0	6/12/2004	10:21:00	3 727 MILLER AVE /316/ANN ARE	611	Dispatched & cancelled en route
8101 04-0003719	0	8/3/2004	22:42:00	1 727 MILLER AVE /601	321	EMS call, excluding vehicle accident with injury
8101 04-0003832	0	8/12/2004	7:49:00	1 727 MILLER AVE	700	False alarm or false call, Other
8101 04-0003839	0	8/12/2004	15:32:00	1 727 MILLER AVE	700	False alarm or false call, Other
8101 04-0003881	0	8/15/2004	1:23:00	1 727 MILLER AVE	311	Medical assist, assist EMS crew
8101 04-0003887	0	8/15/2004	12:23:00	1 727 MILLER AVE	551	Assist police or other governmental agency
8101 04-0004020	0	8/23/2004	18:23:00	1 727 MILLER AVE	321	EMS call, excluding vehicle accident with injury
8101 04-0004094	0	8/27/2004	10:17:00	1 727 MILLER AVE	743	Smoke detector activation, no fire - unintentional
8101 04-0004319	0	9/7/2004	23:35:00	1 727 MILLER AVE /702	3213	Difficulty Breathing
8101 04-0004335	0	9/8/2004	17:24:00	1 727 MILLER AVE /112	311	Medical assist, assist EMS crew
8101 04-0004341	0	9/8/2004	21:15:00	1 727 MILLER AVE /Miller Manor,	311E	Stomach-Abdominal Pain
8101 04-0004342	0	9/8/2004	21:41:00	1 727 MILLER AVE /Miller Manor,	3212	Unconscious
8101 04-0004681	0	9/28/2004	21:18:52	1 727 MILLER AVE	651	Smoke scare, odor of smoke
8101 04-0004851	0	10/8/2004	12:22:00	1 727 MILLER AVE	3212	Unconscious
8101 04-0005048	0	10/19/2004	15:26:00	1 727 MILLER AVE	3212	Unconscious
8101 04-0005336	0	11/3/2004	23:13:00	1 727 MILLER AVE	311A	Intoxicated-Incapacitated
8101 04-0005352	0	11/4/2004	21:18:00	1 727 MILLER AVE	3213	Difficulty Breathing
8101 04-0005466	0	11/11/2004	18:47:00	1 727 MILLER AVE	3212	Unconscious
8101 04-0006045	0	12/20/2004	15:13:00	1 727 MILLER AVE /515	3213	Difficulty Breathing

8101 04-00006048	0	12/20/2004	17:18:00	1	727 MILLER AVE /108	611A	Canceled on-scene by HVA
8101 05-00000040	0	1/3/2005	5:13:00	1	727 MILLER AVE /ANN ARBOR,	3213	Difficulty Breathing
8101 05-00000063	0	1/4/2005	2:58:08	1	727 MILLER AVE /259	611A	Canceled on-scene by HVA
8101 05-00000051	0	1/5/2005	15:41:00	1	727 MILLER AVE /705	3213	Difficulty Breathing
8101 05-0000107	0	1/8/2005	15:40:00	1	727 MILLER AVE /112	3213	Difficulty Breathing
8101 05-0000141	0	1/11/2005	3:22:00	1	727 MILLER AVE	311D	Medical Alarm
8101 05-0000417	0	1/27/2005	10:45:43	1	727 MILLER AVE	311G	Sickness-Illness
8101 05-0000654	0	2/11/2005	19:43:38	1	727 MILLER AVE	311A	Intoxicated-Incapacitated
8101 05-0000869	0	2/27/2005	9:25:08	1	727 MILLER AVE /705	3213	Difficulty Breathing
8101 05-0001021	0	3/10/2005	13:57:00	1	727 MILLER AVE	3213	Difficulty Breathing
8101 05-0001078	0	3/14/2005	7:38:56	1	727 MILLER AVE /408	3213	Difficulty Breathing
8101 05-0001333	0	4/1/2005	13:19:00	1	727 MILLER AVE /510	3212	Unconscious
8101 05-0001493	0	4/10/2005	19:13:00	1	727 MILLER AVE /705	3213	Difficulty Breathing
8101 05-0001687	0	4/21/2005	19:33:00	1	727 MILLER AVE	311	Medical assist, assist EMS crew
8101 05-0001776	0	4/27/2005	21:44:00	1	727 MILLER AVE /Miller Manor,	311V	Canceled On-Scene by HVA
8101 05-0002059	0	5/16/2005	11:43:12	1	727 MILLER AVE /108	3215	Chest Pain
8101 05-0002294	0	5/31/2005	13:42:00	1	727 MILLER AVE /704	321	EMS call, excluding vehicle accident with injury
8101 05-0002491	0	6/10/2005	4:32:06	1	727 MILLER AVE /LOBBY	311V	Canceled On-Scene by HVA
8101 05-0002678	0	6/20/2005	23:13:00	1	727 MILLER AVE	311	Medical assist, assist EMS crew
8101 05-0002781	0	6/26/2005	22:39:00	1	727 MILLER AVE /704	3213	Difficulty Breathing
8101 05-0002875	0	7/1/2005	0:10:00	1	727 MILLER AVE	311	Medical assist, assist EMS crew
8101 05-0002905	0	7/3/2005	7:02:17	1	727 MILLER AVE	3213	Difficulty Breathing
8101 05-0002920	0	7/3/2005	20:06:41	1	727 MILLER AVE /206	311B	Diabetic
8101 05-0003027	0	7/11/2005	11:26:00	1	727 MILLER AVE	311J	Stroke
8101 05-0003492	0	8/8/2005	0:03:00	1	727 MILLER AVE	311V	Canceled On-Scene by HVA
8101 05-0003495	0	8/8/2005	9:30:41	1	727 MILLER AVE /OUT SIDE	311V	Canceled On-Scene by HVA
8101 05-0003563	0	8/13/2005	8:11:00	1	727 MILLER AVE	311V	Canceled On-Scene by HVA
8101 05-0003569	0	8/14/2005	4:19:00	1	727 MILLER AVE	3213	Difficulty Breathing
8101 05-0003759	0	8/26/2005	4:17:00	1	727 MILLER AVE /316	3213	Difficulty Breathing
8101 05-0003811	0	8/29/2005	19:22:00	1	727 MILLER AVE	311G	Sickness-Illness
8101 05-0004447	0	10/2/2005	16:23:40	1	727 MILLER AVE	3215	Chest Pain
8101 05-0004488	0	10/4/2005	17:18:00	1	727 MILLER AVE	311	Medical assist, assist EMS crew
8101 05-0004559	0	10/9/2005	19:03:00	1	727 MILLER AVE	3213	Difficulty Breathing
8101 05-0004706	0	10/17/2005	0:00:58	1	727 MILLER AVE /715	3213	Difficulty Breathing

8101 05-0004774	0	10/20/2005	21:07:52	1	727 MILLER AVE	311C	Fall	
8101 05-0004916	0	10/29/2005	17:52:00	1	727 MILLER AVE /715/ANN ARE	3213	Difficulty Breathing	
8101 05-0005242	0	11/16/2005	21:29:51	1	727 MILLER AVE	321	EMS call, excluding vehicle accident with injury	
8101 05-0005786	0	12/14/2005	1:05:00	1	727 MILLER AVE	311	Medical assist, assist EMS crew	
8101 05-0005736	0	12/15/2005	15:28:14	1	727 MILLER AVE /716	311C	Fall	
8101 05-0005737	0	12/15/2005	16:19:00	1	727 MILLER AVE /510	311E	Stomach-Abdominal Pain	
8101 05-0005812	0	12/20/2005	19:59:00	1	727 MILLER AVE	3215	Chest Pain	
8101 06-0000094	0	1/8/2006	14:14:04	1	727 MILLER AVE /LOBBY	311V	Canceled On-Scene by HVA	
8101 06-0000214	0	1/11/2006	5:38:53	1	727 MILLER AVE	3213	Difficulty Breathing	
8101 06-0000223	0	1/15/2006	7:32:00	1	727 MILLER AVE /705	3213	Difficulty Breathing	
8101 06-0000565	0	2/9/2006	10:25:00	1	727 MILLER AVE	311V	Canceled On-Scene by HVA	
8101 06-0000643	0	2/11/2006	1:10:00	1	727 MILLER AVE	3213	Difficulty Breathing	
8101 06-0000918	0	3/2/2006	18:12:00	1	727 MILLER AVE	311C	Fall	
8101 06-0000919	0	3/2/2006	21:12:00	1	727 MILLER AVE	311	Medical assist, assist EMS crew	
8101 06-0000980	0	3/7/2006	1:45:07	1	727 MILLER AVE /217, 213, LOE	311V	Canceled On-Scene by HVA	
8101 06-0000987	0	3/7/2006	18:19:00	1	727 MILLER AVE	3213	Difficulty Breathing	
8101 06-0001046	0	3/11/2006	8:12:00	1	727 MILLER AVE	3213	Difficulty Breathing	
8101 06-0001131	0	3/16/2006	23:45:00	1	727 MILLER AVE	311	Medical assist, assist EMS crew	
8101 06-0001292	0	3/25/2006	17:29:00	1	727 MILLER AVE /716	311P	Death Investigation	
8101 06-0001475	0	4/5/2006	11:24:00	1	727 MILLER AVE	740	Unintentional transmission of alarm, Other	
8101 06-0001681	0	4/16/2006	19:41:00	1	727 MILLER AVE	311A	Intoxicated-Incapacitated	
8101 06-0001893	0	4/26/2006	9:17:33	1	727 MILLER AVE	3212	Unconscious	
8101 06-0001895	0	4/29/2006	7:34:33	1	727 MILLER AVE /411	311	Medical assist, assist EMS crew	
8101 06-0001936	0	5/3/2006	3:33:04	1	727 MILLER AVE /316	3213	Difficulty Breathing	
8101 06-0002170	0	5/19/2006	7:59:00	1	727 MILLER AVE	251	Excessive heat, scorch burns with no ignition	
8101 06-0002196	0	5/21/2006	1:28:05	1	727 MILLER AVE /205	311E	Stomach-Abdominal Pain	
8101 06-0002200	0	5/21/2006	6:42:37	1	727 MILLER AVE /316	3213	Difficulty Breathing	
8101 06-0002572	0	6/15/2006	8:04:00	1	727 MILLER AVE	745	Alarm system activation, no fire - unintentional	
8101 06-0002637	0	6/18/2006	8:32:41	1	727 MILLER AVE	311C	Fall	
8101 06-0002737	0	6/25/2006	19:44:26	1	727 MILLER AVE	311G	Sickness-Illness	
8101 06-0002738	0	6/25/2006	19:58:10	1	727 MILLER AVE	311V	Canceled On-Scene by HVA	
8101 06-0002827	0	6/30/2006	12:28:00	1	727 MILLER AVE	911	Citizen complaint	
8101 06-0002855	0	7/2/2006	10:14:01	1	727 MILLER AVE	3213	Difficulty Breathing	
8101 06-0002888	0	7/4/2006	17:12:00	1	727 MILLER AVE	311K	Seizure	

8101 06-0002933	0	7/6/2006	14:59:00	1	727 MILLER AVE	745	Alarm system activation, no fire - unintentional
8101 06-0004218	0	9/12/2006	22:31:00	1	727 MILLER AVE	113	Cooking fire, confined to container
8101 06-0004420	0	9/22/2006	21:26:00	1	727 MILLER AVE	715	Local alarm system, malicious false alarm
8101 06-0004424	0	9/22/2006	22:09:00	1	727 MILLER AVE	715	Local alarm system, malicious false alarm
8101 06-0004425	0	9/22/2006	23:17:00	1	727 MILLER AVE	715	Local alarm system, malicious false alarm
8101 06-0004770	0	10/9/2006	13:25:00	1	727 MILLER AVE /711	311	Medical assist, assist EMS crew
8101 06-0004838	0	10/12/2006	17:50:00	1	727 MILLER AVE	311G	Sickness-Illness
8101 06-0004850	0	10/13/2006	0:08:00	1	727 MILLER AVE	611	Dispatched & cancelled en route
8101 06-0005046	0	10/25/2006	13:16:00	1	727 MILLER AVE	3211	Cardiac Arrest
8101 06-0005053	0	10/25/2006	20:43:00	1	727 MILLER AVE	600	Good intent call, Other
8101 06-0005865	0	12/12/2006	0:44:00	1	727 MILLER AVE	611	Dispatched & cancelled en route
8101 06-0006133	0	12/29/2006	3:55:48	1	727 MILLER AVE /316	3213	Difficulty Breathing
8101 07-0000138	0	1/8/2007	14:58:31	1	727 MILLER AVE	311A	Intoxicated-Incapacitated
8101 07-0000200	0	1/12/2007	21:30:02	1	727 MILLER AVE	745	Alarm system activation, no fire - unintentional
8101 07-0000213	0	1/13/2007	11:51:00	1	727 MILLER AVE /708	600	Good intent call, Other
8101 07-0000234	0	1/14/2007	15:49:00	1	727 MILLER AVE /314	3211	Cardiac Arrest
8101 07-0000800	0	2/9/2007	10:25:00	1	727 MILLER AVE	311K	Seizure
8101 07-0001404	0	3/17/2007	15:35:05	5	727 MILLER AVE	611	Dispatched & cancelled en route
8101 07-0001406	0	3/17/2007	15:39:03	1	727 MILLER AVE	353	Removal of victim(s) from stalled elevator
8101 07-0001420	0	3/17/2007	20:28:12	1	727 MILLER AVE	911	Citizen complaint
8101 07-0001509	0	3/24/2007	11:43:00	1	727 MILLER AVE	3212	Unconscious
8101 07-0001517	0	3/24/2007	16:33:00	1	727 MILLER AVE	3215	Chest Pain
8101 07-0001589	0	3/29/2007	12:01:00	1	727 MILLER AVE /203	311F	Back Pain
8101 07-0001644	0	3/31/2007	16:57:00	1	727 MILLER AVE /215	111	Building fire
8101 07-0002030	0	4/23/2007	19:07:08	1	727 MILLER AVE /513	311C	Fall
8101 07-0002050	0	4/24/2007	20:32:00	5	727 MILLER AVE	745	Alarm system activation, no fire - unintentional
8101 07-0002077	0	4/26/2007	4:02:00	1	727 MILLER AVE	735	Alarm system sounded due to malfunction
8101 07-0002259	0	4/27/2007	4:07:00	1	727 MILLER AVE	733	Smoke detector activation due to malfunction
8101 07-0003066	0	6/26/2007	3:38:00	1	727 MILLER AVE	3213	Difficulty Breathing
8101 07-0003163	0	6/30/2007	8:40:00	1	727 MILLER AVE	611	Dispatched & cancelled en route
8101 07-0003210	0	7/3/2007	10:07:00	1	727 MILLER AVE	311G	Sickness-Illness
8101 07-0003234	0	7/3/2007	3:23:00	1	727 MILLER AVE	311I	Headache
8101 07-0003503	0	7/21/2007	5:58:00	1	727 MILLER AVE /315	3213	Difficulty Breathing
8101 07-0003643	0	7/29/2007	23:12:00	1	727 MILLER AVE /504	3213	Difficulty Breathing

8101 07-0003669	0	7/31/2007	16:49:00	1	727 MILLER AVE	311J	Stroke
8101 07-0003850	0	8/13/2007	4:25:00	1	727 MILLER AVE	311K	Seizure
8101 07-0004023	0	8/23/2007	10:25:00	1	727 MILLER AVE	622	No Incident found on arrival at dispatch address
8101 07-0004044	0	8/24/2007	16:58:00	1	727 MILLER AVE	745	Alarm system activation, no fire - unintentional
8101 07-0004293	0	9/6/2007	10:03:00	1	727 MILLER AVE	311V	Canceled On-Scene by HVA
8101 07-0004384	0	9/8/2007	2:02:00	1	727 MILLER AVE	3213	Difficulty Breathing
8101 07-0004392	0	9/10/2007	20:12:00	1	727 MILLER AVE	311V	Canceled On-Scene by HVA
8101 07-0004516	0	9/16/2007	4:38:00	1	727 MILLER AVE /316	3213	Difficulty Breathing
8101 07-0005015	0	10/11/2007	18:06:00	1	727 MILLER AVE /110	3213	Difficulty Breathing
8101 07-0005032	0	10/12/2007	11:39:00	1	727 MILLER AVE /406	311B	Diabetic
8101 07-0005081	0	10/15/2007	12:37:00	1	727 MILLER AVE /316	3215	Chest Pain
8101 07-0005233	0	10/25/2007	9:03:00	1	727 MILLER AVE /713	311R	Suicidal - Attempt
8101 07-0005544	0	11/11/2007	22:33:00	1	727 MILLER AVE /#112	3211	Cardiac Arrest
8101 07-0005772	0	11/25/2007	4:18:00	1	727 MILLER AVE	3213	Difficulty Breathing
8101 07-0005808	0	11/27/2007	12:43:00	1	727 MILLER AVE	3213	Difficulty Breathing
8101 07-0005821	0	11/28/2007	10:54:00	1	727 MILLER AVE	311T	Overdose
8101 07-0005972	0	12/7/2007	12:37:00	1	727 MILLER AVE	3213	Difficulty Breathing
8101 07-0005984	0	12/8/2007	14:38:00	1	727 MILLER AVE /502	311K	Seizure
8101 07-0006013	0	12/11/2007	10:17:00	1	727 MILLER AVE	3215	Chest Pain
8101 07-0006160	0	12/17/2007	17:02:00	1	727 MILLER AVE	311A	Intoxicated-Incapacitated
8101 07-0006122	0	12/18/2007	11:34:00	1	727 MILLER AVE	311K	Seizure
8101 07-0006191	0	12/23/2007	3:36:00	1	727 MILLER AVE	611A	Canceled on-scene by HVA
8101 07-0006292	0	12/30/2007	16:44:00	1	727 MILLER AVE	600	Good intent call, Other
8101 07-0006300	0	12/31/2007	18:33:00	1	727 MILLER AVE /303	311P	Death Investigation
8101 08-0000179	0	1/10/2008	19:32:00	1	727 MILLER AVE	711	Municipal alarm system, malicious false alarm
8101 08-0000219	0	1/13/2008	4:15:00	1	727 MILLER AVE	311	Medical assist, assist EMS crew
8101 08-0000336	0	1/21/2008	1:13:00	1	727 MILLER AVE	311W	No Patient Contact, Canceled On-Scene
8101 08-0000512	0	1/31/2008	20:41:00	1	727 MILLER AVE	311E	Stomach-Abdominal Pain
8101 08-0000522	0	2/1/2008	11:39:00	1	727 MILLER AVE /316	3215	Chest Pain
8101 08-0000629	0	2/8/2008	0:04:00	1	727 MILLER AVE	311A	Intoxicated-Incapacitated
8101 08-0000707	0	2/12/2008	2:39:00	1	727 MILLER AVE	700	False alarm or false call, Other
8101 08-0000931	0	2/27/2008	11:04:00	1	727 MILLER AVE /316	3213	Difficulty Breathing
8101 08-0001043	0	3/6/2008	4:08:00	1	727 MILLER AVE	3213	Difficulty Breathing
8101 08-0001183	0	3/14/2008	16:01:00	1	727 MILLER AVE	311G	Sickness-Illness

8101 08-0001400	0	3/28/2008	16:09:00	1	727 MILLER AVE	600	Good intent call, Other
8101 08-0001474	0	4/1/2008	18:18:00	1	727 MILLER AVE	700	False alarm or false call, Other
8101 08-0001489	0	4/2/2008	13:16:00	1	727 MILLER AVE	311A	Intoxicated-Incapacitated
8101 08-0001557	0	4/6/2008	3:54:00	1	727 MILLER AVE	3212	Unconscious
8101 08-0001585	0	4/8/2008	22:33:00	1	727 MILLER AVE	311B	Diabetic
8101 08-0001873	0	4/28/2008	12:12:00	1	727 MILLER AVE	311G	Sickness-Illness
8101 08-0001928	0	5/2/2008	0:36:00	1	727 MILLER AVE	3213	Difficulty Breathing
8101 08-0001969	0	5/4/2008	16:20:00	1	727 MILLER AVE	311A	Intoxicated-Incapacitated
8101 08-0001999	0	5/6/2008	4:19:00	1	727 MILLER AVE	311W	No Patient Contact, Canceled On-Scene
8101 08-0002005	0	5/6/2008	13:41:00	1	727 MILLER AVE /507	743	Smoke detector activation, no fire - unintentional
8101 08-0002139	0	5/15/2008	16:33:00	1	727 MILLER AVE /205	311G	Sickness-Illness
8101 08-0002295	0	5/25/2008	13:50:00	1	727 MILLER AVE	3213	Difficulty Breathing
8101 08-0000000	0	5/25/2008	21:05:34	1	727 MILLER AVE	113	Cooking fire, confined to container
8101 08-0002574	0	6/10/2008	15:55:00	1	727 MILLER AVE	3215	Chest Pain
8101 08-0002596	0	6/11/2008	12:45:00	1	727 MILLER AVE /112	311G	Sickness-Illness
8101 08-0002680	0	6/16/2008	13:17:00	1	727 MILLER AVE	311T	Overdose
8101 08-0002735	0	6/20/2008	15:33:00	1	727 MILLER AVE	3215	Chest Pain
8101 08-0002753	0	6/21/2008	16:15:00	1	727 MILLER AVE	500	Service Call, other
8101 08-0002781	0	6/23/2008	12:15:00	1	727 MILLER AVE	311W	No Patient Contact, Canceled On-Scene
8101 08-0002824	0	6/26/2008	2:24:00	1	727 MILLER AVE	311C	Fall
8101 08-0003028	0	7/5/2008	4:48:00	1	727 MILLER AVE	311W	No Patient Contact, Canceled On-Scene
8101 08-0003033	0	7/5/2008	6:51:00	1	727 MILLER AVE	311W	No Patient Contact, Canceled On-Scene
8101 08-0003328	0	7/22/2008	11:51:00	1	727 MILLER AVE	311A	Intoxicated-Incapacitated
8101 08-0003353	0	7/23/2008	10:57:00	1	727 MILLER AVE	3215	Chest Pain
8101 08-0003370	0	7/24/2008	16:48:00	1	727 MILLER AVE	311R	Suicidal - Attempt
8101 08-0003710	0	8/15/2008	21:35:00	1	727 MILLER AVE	311L	Minor Injury or Trauma
8101 08-0004276	0	9/17/2008	12:37:00	1	727 MILLER AVE	311	Medical assist, assist EMS crew
8101 08-0004653	0	10/9/2008	13:24:00	1	727 MILLER AVE /216	311G	Sickness-Illness
8101 08-0005024	0	10/29/2008	0:26:00	1	727 MILLER AVE	311W	No Patient Contact, Canceled On-Scene
8101 08-0005219	0	11/11/2008	2:00:00	1	727 MILLER AVE	311	Medical assist, assist EMS crew
8101 08-0005280	0	11/14/2008	23:06:00	1	727 MILLER AVE /#413	311	Medical assist, assist EMS crew
8101 08-0005374	0	11/22/2008	1:45:00	1	727 MILLER AVE /413	311L	Minor Injury or Trauma
8101 08-0005375	0	11/22/2008	1:36:00	1	727 MILLER AVE	311C	Fall
8101 08-0005404	0	11/23/2008	19:14:00	1	727 MILLER AVE	600	Good intent call, Other

8101 08-0005414	0	11/24/2008	9:44:00	1	727 MILLER AVE	552	Police matter
8101 08-0005651	0	12/9/2008	14:16:00	1	727 MILLER AVE	311W	No Patient Contact, Canceled On-Scene
8101 08-0005801	0	12/18/2008	12:46:00	1	727 MILLER AVE	611	Dispatched & cancelled en route
8101 08-0005931	0	12/26/2008	14:31:00	1	727 MILLER AVE /402	311T	Overdose
8101 08-0005950	0	12/27/2008	7:24:00	1	727 MILLER AVE	311G	Sickness-Illness
8101 09-0000329	0	1/21/2009	14:36:00	1	727 MILLER AVE /216	311	Medical assist, assist EMS crew
8101 09-0000408	0	1/25/2009	17:20:00	1	727 MILLER AVE /406	311K	Seizure
8101 09-0000542	0	2/4/2009	5:23:00	1	727 MILLER AVE /715	3213	Difficulty Breathing
8101 09-0000647	0	2/9/2009	6:36:00	1	727 MILLER AVE /407	3213	Difficulty Breathing
8101 09-0000709	0	2/11/2009	19:00:00	1	727 MILLER AVE	311W	No Patient Contact, Canceled On-Scene
8101 09-0000733	0	2/13/2009	1:26:00	1	727 MILLER AVE	311W	No Patient Contact, Canceled On-Scene
8101 09-0000780	0	2/16/2009	18:05:00	1	727 MILLER AVE	311A	Intoxicated-Incapacitated
8101 09-0000846	0	2/21/2009	15:30:00	1	727 MILLER AVE	311B	Diabetic
8101 09-0000971	0	3/2/2009	10:59:00	1	727 MILLER AVE	311W	No Patient Contact, Canceled On-Scene
8101 09-0000984	0	3/3/2009	1:12:00	1	727 MILLER AVE	311W	No Patient Contact, Canceled On-Scene
8101 09-0001490	0	4/2/2009	2:55:00	1	727 MILLER AVE	3213	Difficulty Breathing
8101 09-0001646	0	4/13/2009	3:06:00	1	727 MILLER AVE	311W	Diabetic
8101 09-0001677	0	4/14/2009	20:10:00	1	727 MILLER AVE /609	311K	No Patient Contact, Canceled On-Scene
8101 09-0001806	0	4/23/2009	15:27:00	1	727 MILLER AVE	611A	Seizure
8101 09-0002098	0	5/7/2009	5:57:00	1	727 MILLER AVE	311K	Canceled on-scene by HVA
8101 09-0002124	0	5/11/2009	16:37:00	1	727 MILLER AVE /216	3213	Seizure
8101 09-0002397	0	5/28/2009	20:27:00	1	727 MILLER AVE	440	Difficulty Breathing
8101 09-0002399	0	5/28/2009	20:56:00	1	727 MILLER AVE	442	Electrical wiring/equipment problem, Other
8101 09-0002535	0	6/6/2009	18:48:00	1	727 MILLER AVE	113	Overheated motor
8101 09-0002567	0	6/9/2009	1:17:00	1	727 MILLER AVE	311	Cooking fire, confined to container
8101 09-0002712	0	6/18/2009	22:20:00	1	727 MILLER AVE	311W	Medical assist, assist EMS crew
8101 09-0003073	0	7/10/2009	10:17:00	1	727 MILLER AVE	311E	No Patient Contact, Canceled On-Scene
8101 09-0003315	0	7/26/2009	18:46:00	1	727 MILLER AVE	311E	Stomach-Abdominal Pain
8101 09-0003324	0	7/27/2009	12:00:00	1	727 MILLER AVE	3215	Stomach-Abdominal Pain
8101 09-0003702	0	8/20/2009	13:17:00	1	727 MILLER AVE	744	Chest Pain
8101 09-0003732	0	8/23/2009	15:59:00	1	727 MILLER AVE /202	113	Detector activation, no fire - unintentional
8101 09-0003736	0	8/23/2009	19:09:00	1	727 MILLER AVE /504	113	Cooking fire, confined to container
8101 09-0003777	0	8/25/2009	22:40:00	1	727 MILLER AVE /308	311J	Cooking fire, confined to container Stroke



8101 09-0003968	0	9/6/2009	0:19:00	1 727 MILLER AVE /410	311	Medical assist, assist EMS crew
8101 09-0004159	0	9/16/2009	20:50:00	1 727 MILLER AVE	113	Cooking fire, confined to container
8101 09-0004201	0	9/19/2009	7:00:00	1 727 MILLER AVE	744	Detector activation, no fire - unintentional
8101 09-0004220	0	9/19/2009	23:21:00	1 727 MILLER AVE	651	Smoke scare, odor of smoke
8101 09-0004472	0	10/3/2009	2:37:00	1 727 MILLER AVE /504	311J	Stroke
8101 09-0004526	0	10/6/2009	21:26:00	1 727 MILLER AVE	611A	Canceled on-scene by HVA
8101 09-0004546	0	10/7/2009	19:47:00	1 727 MILLER AVE /204	113	Cooking fire, confined to container
8101 09-0005235	0	11/14/2009	12:12:00	1 727 MILLER AVE /316	3213	Difficulty Breathing
8101 09-0005299	0	11/20/2009	3:12:00	1 727 MILLER AVE	311F	Back Pain
8101 09-0005343	0	11/22/2009	7:01:00	1 727 MILLER AVE /202	743	Smoke detector activation, no fire - unintentional
8101 09-0005505	0	12/4/2009	0:03:30	1 727 MILLER AVE	735	Alarm system sounded due to malfunction
8101 09-0005614	0	12/10/2009	14:05:00	1 727 MILLER AVE	745	Alarm system activation, no fire - unintentional
8101 09-0005651	0	12/12/2009	15:53:02	1 727 MILLER AVE	113	Cooking fire, confined to container
8101 09-0005701	0	12/14/2009	19:55:00	1 727 MILLER AVE /203	3215	Chest Pain
8101 09-0005805	0	12/20/2009	15:23:37	1 727 MILLER AVE	611A	Canceled on-scene by HVA
8101 09-0005806	0	12/21/2009	0:22:22	1 727 MILLER AVE /402	3211	Cardiac Arrest
8101 10-0000112	0	1/8/2010	12:23:00	1 727 MILLER AVE	740	Unintentional transmission of alarm, Other
8101 10-0003123	0	3/3/2010	16:06:00	1 727 MILLER AVE	600	Good intent call, Other
8101 10-0003916	0	4/18/2010	16:39:22	1 727 MILLER AVE /505	622	No incident found on arrival at dispatch address
8101 10-0004465	0	5/20/2010	16:11:43	1 727 MILLER AVE	651	Smoke scare, odor of smoke
8101 10-0004623	0	5/30/2010	8:14:00	1 727 MILLER AVE	611A	Canceled on-scene by HVA
8101 10-0004724	0	6/4/2010	16:10:37	1 727 MILLER AVE /716	311S	Woman In Labor
8101 10-0004768	0	6/6/2010	19:29:00	1 727 MILLER AVE	311W	No Patient Contact, Canceled On-Scene
8101 10-0005451	0	7/16/2010	8:55:37	1 727 MILLER AVE	3213	Difficulty Breathing
8101 10-0005475	0	7/18/2010	11:42:00	1 727 MILLER AVE	311	Medical assist, assist EMS crew
8101 10-0005517	0	7/20/2010	21:59:00	1 727 MILLER AVE	735	Alarm system sounded due to malfunction
8101 10-0005742	0	8/2/2010	2:11:29	1 727 MILLER AVE	3213	Difficulty Breathing
8101 10-0005830	0	8/7/2010	8:59:00	1 727 MILLER AVE	740	Unintentional transmission of alarm, Other
8101 10-0006267	0	9/2/2010	23:48:00	1 727 MILLER AVE	740	Unintentional transmission of alarm, Other
8101 10-0006492	0	9/14/2010	3:17:00	1 727 MILLER AVE /317	3212	Unconscious
8101 10-0006528	0	9/15/2010	20:19:44	1 727 MILLER AVE /#504	611A	Canceled on-scene by HVA
8101 10-0006536	0	9/16/2010	14:01:00	1 727 MILLER AVE	611	Dispatched & cancelled en route
8101 10-0007172	0	10/12/2010	20:20:00	1 727 MILLER AVE /108	113	Cooking fire, confined to container
8101 10-0007173	0	10/12/2010	13:50:26	1 727 MILLER AVE /# 112	311J	Stroke

8101 10-0007195	0	10/14/2010	14:30:00	1	727 MILLER AVE	5501	Knox Box Response
8101 10-0007289	0	10/19/2010	1:07:07	1	727 MILLER AVE	611A	Canceled on-scene by HVA
8101 10-0007922	0	11/25/2010	17:46:48	1	727 MILLER AVE	311W	No Patient Contact, Canceled On-Scene
8101 10-0008330	0	12/15/2010	22:47:00	1	727 MILLER AVE	600	Good intent call, Other
8101 11-0000047	0	1/4/2011	11:09:56	1	727 MILLER AVE /# 614	311J	Stroke
8101 11-0000158	0	1/10/2011	20:18:00	1	727 MILLER AVE /302	251	Excessive heat, scorch burns with no ignition
8101 11-0000160	0	1/11/2011	9:28:00	1	727 MILLER AVE	311W	No Patient Contact, Canceled On-Scene
8101 11-0000249	0	1/16/2011	18:40:05	1	727 MILLER AVE /715	3213	Difficulty Breathing
8101 11-0000294	0	1/19/2011	19:17:00	1	727 MILLER AVE	353	Removal of victim(s) from stalled elevator
8101 11-0000312	0	1/19/2011	1:27:33	1	727 MILLER AVE	3213	Difficulty Breathing
8101 11-0000336	0	1/23/2011	7:58:00	1	727 MILLER AVE	710	Malicious, mischievous false call, Other
8101 11-0000348	0	1/24/2011	4:09:00	1	727 MILLER AVE	710	Malicious, mischievous false call, Other
8101 11-0000429	0	1/28/2011	12:12:00	1	727 MILLER AVE	113	Cooking fire, confined to container
8101 11-0000524	0	2/3/2011	11:15:00	1	727 MILLER AVE	651	Smoke scare, odor of smoke
8101 11-0001480	0	4/8/2011	17:17:52	1	727 MILLER AVE	611	Dispatched & cancelled en route
8101 11-0001646	0	4/17/2011	7:59:00	1	727 MILLER AVE	311	Medical assist, assist EMS crew
8101 11-0001687	0	4/21/2011	0:06:00	1	727 MILLER AVE	3213	Difficulty Breathing
8101 11-0002509	0	6/14/2011	14:40:40	1	727 MILLER AVE /608	311P	Death Investigation
8101 11-0002696	0	6/27/2011	17:45:00	1	727 MILLER AVE	3213	Difficulty Breathing
8101 11-0003107	0	7/27/2011	9:59:00	1	727 MILLER AVE	3213	Difficulty Breathing
8101 11-0003119	0	7/28/2011	13:44:00	1	727 MILLER AVE	113	Cooking fire, confined to container
8101 11-0003212	0	8/2/2011	20:23:00	1	727 MILLER AVE	311L	Minor Injury or Trauma
8101 11-0003830	0	9/10/2011	6:48:00	1	727 MILLER AVE	3215	Chest Pain
8101 11-0003889	0	9/13/2011	5:53:53	1	727 MILLER AVE	622	No Incident found on arrival at dispatch address
8101 11-0004377	0	9/22/2011	1:41:42	1	727 MILLER AVE	311W	No Patient Contact, Canceled On-Scene
8101 11-0004095	0	9/23/2011	23:10:00	1	727 MILLER AVE	611	Dispatched & cancelled en route
8101 11-0004730	0	11/5/2011	4:07:00	1	727 MILLER AVE	3215	Chest Pain
8101 11-0004753	0	11/6/2011	9:44:00	1	727 MILLER AVE	745	Alarm system activation, no fire - unintentional
8101 11-0005021	0	11/19/2011	22:57:00	1	727 MILLER AVE	3215	Chest Pain
8101 11-0005083	0	11/27/2011	16:26:05	1	727 MILLER AVE /307	651	Smoke scare, odor of smoke
8101 11-0005096	0	11/28/2011	18:00:00	1	727 MILLER AVE	611A	Canceled on-scene by HVA
8101 11-0005176	0	12/1/2011	17:20:00	1	727 MILLER AVE	611A	Canceled on-scene by HVA
8101 11-0005187	0	12/5/2011	13:21:07	1	727 MILLER AVE /205	3213	Difficulty Breathing
8101 11-0005188	0	12/5/2011	15:57:11	1	727 MILLER AVE /704	3213	Difficulty Breathing

8101 11-0005298	0	12/12/2011	12:17:00	1 727 MILLER AVE	745	Alarm system activation, no fire - unintentional
8101 11-0005325	0	12/14/2011	17:29:48	1 727 MILLER AVE	3213	Difficulty Breathing
8101 12-0000018	0	1/2/2012	8:26:55	1 727 MILLER AVE /205	311G	Sickness-Illness
8101 12-0000019	0	1/2/2012	9:57:33	1 727 MILLER AVE /203	311W	No Patient Contact, Canceled On-Scene
8101 12-0000427	0	1/31/2012	16:55:00	1 727 MILLER AVE	611	Dispatched & cancelled en route
8101 12-0000542	0	2/9/2012	18:54:32	5 727 MILLER AVE /708	531	Smoke or odor removal
8101 12-0000564	0	2/11/2012	20:52:00	1 727 MILLER AVE	600	Good intent call, Other
8101 12-0000838	0	3/6/2012	7:51:00	1 727 MILLER AVE	745	Alarm system activation, no fire - unintentional
8101 12-0001621	0	4/25/2012	20:27:00	1 727 MILLER AVE	745	Alarm system activation, no fire - unintentional
8101 12-0001720	0	4/27/2012	9:31:15	1 727 MILLER AVE	531	Smoke or odor removal
8101 12-0001970	0	5/17/2012	8:55:00	1 727 MILLER AVE	551	Assist police or other governmental agency
8101 12-0002201	0	6/1/2012	4:41:30	1 727 MILLER AVE /212	743	Smoke detector activation, no fire - unintentional
8101 12-0002259	0	6/6/2012	10:35:00	1 727 MILLER AVE	745	Alarm system activation, no fire - unintentional
8101 12-0002907	0	7/12/2012	22:25:00	1 727 MILLER AVE /307	113	Cooking fire, confined to container
8101 12-0002984	0	7/18/2012	2:55:00	1 727 MILLER AVE	511	Lock-out
8101 12-0003348	0	8/10/2012	2:32:00	1 727 MILLER AVE	118	Trash or rubbish fire, contained
8101 12-0003453	0	8/16/2012	19:13:00	1 727 MILLER AVE	611	Dispatched & cancelled en route
8101 12-0003815	0	9/5/2012	10:22:00	1 727 MILLER AVE	745	Alarm system activation, no fire - unintentional
8101 12-0228909	0	10/6/2012	12:39:55	1 727 MILLER AVE	611	Dispatched & cancelled en route
8101 12-0004365	0	10/8/2012	13:53:59	1 727 MILLER AVE	735	Alarm system sounded due to malfunction
8101 12-0004369	0	10/8/2012	19:48:11	1 727 MILLER AVE	730	System malfunction, Other
8101 12-0004370	0	10/8/2012	20:01:21	1 727 MILLER AVE	730	System malfunction, Other
8101 12-0230292	0	10/20/2012	9:30:23	1 727 MILLER AVE	3215	Chest Pain
8101 12-0225568	0	11/2/2012	0:04:22	1 727 MILLER /LOBBY/ANN ARBC	311W	No Patient Contact, Canceled On-Scene
8101 12-0227272	0	11/23/2012	8:39:33	1 727 MILLER /LOBBY/ANN ARBC	311G	Sickness-Illness
8101 12-0230211	0	12/30/2012	21:11:20	1 727 MILLER AVE	622	No Incident found on arrival at dispatch address
8101 13-0300285	0	1/4/2013	14:30:22	1 727 MILLER /702/ANN ARBOR,	311W	No Patient Contact, Canceled On-Scene
8101 13-0300467	0	1/6/2013	19:33:35	1 727 MILLER /616/ANN ARBOR,	3213	Difficulty Breathing
8101 13-0300636	0	1/8/2013	19:56:27	1 727 MILLER /112/ANN ARBOR,	311T	Overdose
8101 13-0301471	0	1/19/2013	15:13:54	1 727 MILLER /704/ANN ARBOR,	3213	Difficulty Breathing
8101 13-0301872	0	1/23/2013	7:41:53	1 727 MILLER /205/ANN ARBOR,	743	Smoke detector activation, no fire - unintentional
8101 13-0302889	0	2/2/2013	12:20:54	1 727 MILLER /612/ANN ARBOR,	611	Dispatched & cancelled en route
8101 13-0302942	0	2/3/2013	3:58:15	1 727 MILLER /311/ANN ARBOR,	3211	Cardiac Arrest
8101 13-0304329	0	2/20/2013	17:02:52	1 727 MILLER /ANN ARBOR, MI 4	3212	Unconscious

8101 13-0307169	0	3/23/2013	16:15:05	1 727 MILLER /715/ANN ARBOR, 311K	Seizure
8101 13-0307251	0	3/24/2013	17:50:22	1 727 MILLER /4TH FL/ANN ARBOR 672	Biological hazard investigation
8101 13-0307810	0	3/31/2013	17:04:27	1 727 MILLER /317/ANN ARBOR, 3215	Chest Pain
8101 13-0309100	0	4/15/2013	23:06:16	1 727 MILLER /616/ANN ARBOR, 311E	Stomach-Abdominal Pain
8101 13-0311013	0	5/8/2013	12:52:08	1 727 MILLER /404/ANN ARBOR, 311J	Stroke
8101 13-0311622	0	5/16/2013	10:29:58	3 727 MILLER /ELEV/ANN ARBOR 622	No incident found on arrival at dispatch address

**General Property Information**

[\[Back to Non-Printer Friendly Version\]](#) [\[Send To Printer\]](#)

**Parcel:** 09-09-29-215-077 **Unit:** City of Ann Arbor **Data Current As Of:** 5/18/2013 12:49:07 AM

**Property Address** [collapse]

727 MILLER AV  
Ann Arbor, MI 48103

**Owner Information** [collapse]

CITY OF ANN ARBOR  
HOUSING COMMISSION  
\* PO BOX 8647  
Ann Arbor, MI 48107

**Unit:** 09

**Taxpayer Information** [collapse]

SEE OWNER INFORMATION

**General Information for Tax Year 2013** [collapse]

**Property Class:** 095 - Exempt City of AA **Assessed Value:** \$0  
**School District:** 81010 - Ann Arbor **Taxable Value:** \$0  
**State Equalized Value:** \$0 **Map #** N/A  
**User Number Indx:** **Date of Last Name Chg:** 09/09/1999

**Historical District:** N/A **Date Filed:**  
**Notes:** N/A  
**Census Block Group:** N/A

Principal Residence Exemption	June 1st	Final
2014	0.0000 %	-
2013	0.0000 %	0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.	Final Taxable
2012	\$0	\$0	\$0
2011	\$0	\$0	\$0

**Land Information** [collapse]

	Frontage	Depth
<b>Lot 1:</b>	0.00 Ft.	0.00 Ft.
<b>Lot 2:</b>	0.00 Ft.	0.00 Ft.
<b>Lot 3:</b>	0.00 Ft.	0.00 Ft.
<b>Total Frontage:</b>	0.00 Ft.	<b>Average Depth:</b> 0.00 Ft.

**Total Acreage:** 0.00  
**Zoning Code:** R4C  
**Land Value:** \$0 **Mortgage Code:** N/A  
**Land Improvements:** N/A **Lot Dimensions/Comments:**  
**Renaissance Zone:** NO  
**Renaissance Zone Expiration Date:**

**ECF Neighborhood Code:** 099 - 099 exempt

**Legal Information for 09-09-29-215-077** [collapse]

LOTS 36 37 38 ASSESSORS PLAT NO 20

**Sales Information**

0 sale record(s) found.

Sale Date	Sale Price	Adj Sale Price	Instrument	Grantor	Grantee	Terms Of Sale	Liber/Page
-----------	------------	----------------	------------	---------	---------	---------------	------------

**Building Information**

1 building(s) found.

Description	Floor Area	Yr Built	Est. TCV
 Residential Building 1	0 Sq. Ft.	0	\$3,661

**\*\*Disclaimer:** BS&A Software provides this Web Site as a way for municipalities to display information online and is not responsible for the content or accuracy of the data herein. This data is provided for reference only and WITHOUT WARRANTY of any kind, expressed or inferred. Please contact your local municipality if you believe there are errors in the data.

[Privacy Policy](#)

**SECTION 10.7**

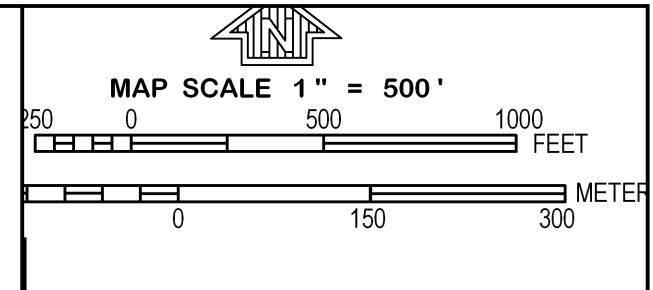
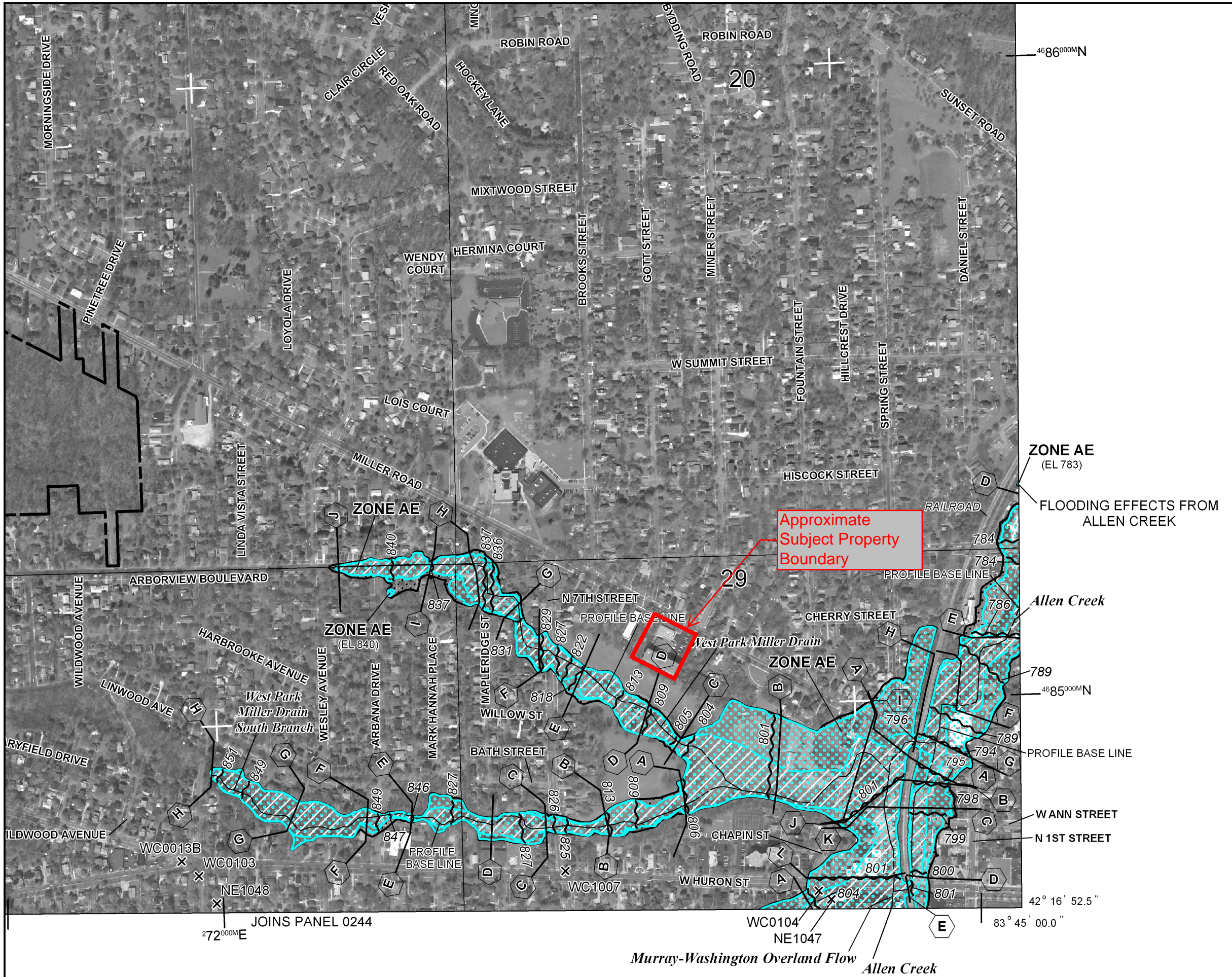
**FEMA FIRMette Map**

**MDEQ Wetland Map**

**Noise Assessment Documentation**

**EDR Vapor Encroachment Screen Report**

**NEPA Report**



PANEL 0242E

**FIRM**  
**FLOOD INSURANCE RATE MAP**  
**WASHTENAW COUNTY,**  
**MICHIGAN**  
 (ALL JURISDICTIONS)


**PANEL 242 OF 585**  
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ANN ARBOR,	260535	0242	E
CHARTER TOWNSHIP OF ANN ARBOR, CITY OF	260213	0242	E
BARTON HILLS, VILLAGE OF	261154	0242	E
SCIO, TOWNSHIP OF	260537	0242	E

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

**MAP NUMBER**  
**26161C0242E**  
**EFFECTIVE DATE**  
**APRIL 3, 2012**

  
 Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)

*Murray-Washington Overland Flow*  
*Allen Creek*

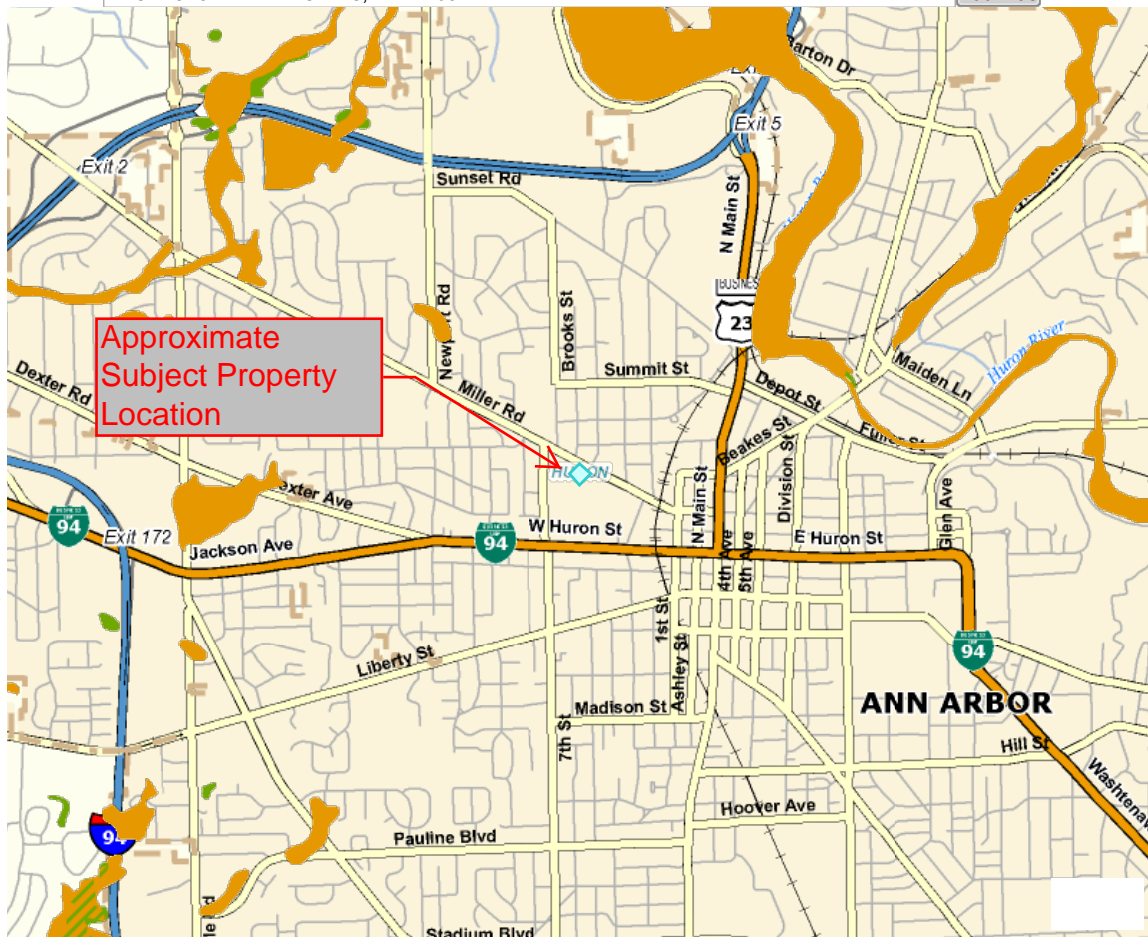


# Wetlands Map Viewer

Print page

Miller Manor - 727 Miller Ave, Ann Arbor

Add Title



## Land and Water

- Watershed Basins
- Cranberry Suitability - Manistee Co.
- Wetlands as identified on NWI and MIRIS maps
- Soil areas which include wetland soils
- Wetlands as identified on NWI and MIRIS maps and soil areas which include wetland soils

## Base Map Legend

- Unincorporated Places
- Interchanges
- Political Boundaries
- FREEWAY
- HIGHWAY
- Primary Roads
- Local Road Names
- Railroads
- County Names
- Lakes
- Rivers
- City, Village, CDP
- County Boundaries

This map is not intended to be used to determine the specific locations and jurisdictional boundaries of wetland areas subject to regulation. More information regarding this map, including how to obtain a copy can be accessed at [www.michigan.gov/wetlands](http://www.michigan.gov/wetlands)  
 Copyright © 2001-2013 State of Michigan



Site Location

727 Miller Avenue, Ann Arbor, Michigan

Program

Project Name

Miller Manor

Locality

Ann Arbor, Michigan

File Number

Sponsor's Name

Phone

Street Address

City, State

	Acceptability Category	DNL	Predicted for Operations in Year
1. Roadway Noise	none	—	—
2. Aircraft Noise	acceptable	<45	2014
3. Railway Noise	acceptable	62	2013
		62	

Value of DNL for all noise sources: (see page 3 for combination procedure)

**Final Site Evaluation (circle one)**

Acceptable

Normally Unacceptable

Unacceptable

Signature

Date

Clip this worksheet to the top of a package containing Worksheets B-E and Workcharts 1-7 that are used in the site evaluations

List all airports within 15 miles of the site:

1. Ann Arbor Municipal Airport - 4 miles to S
2. Willow Run Airport - 11.21 miles to ESE
3. \_\_\_\_\_

Necessary Information:	Airport 1	Airport 2	Airport 3
1. Are DNL, NEF or CNR contours available? (yes/no)	<u>Yes</u>	<u>Yes</u>	_____
2. Any supersonic aircraft operations? (yes/no)	<u>No</u>	<u>No</u>	_____
3. Estimating approximate contours from Figure 3:			
a. number of nighttime jet operations	_____	_____	_____
b. number of daytime jet operations	_____	_____	_____
c. effective number of operations (10 times a + b)	_____	_____	_____
d. distance A for 65 dB	_____	_____	_____
70dB	_____	_____	_____
75 dB	_____	_____	_____
e. distance B for 65 dB	_____	_____	_____
70 dB	_____	_____	_____
75 dB	_____	_____	_____
4. Estimating DNL from Table 2:			
a. distance from 65 dB contour to flight path, D <sup>1</sup>	_____	_____	_____
b. distance from NAL to flight path, D <sup>2</sup>	_____	_____	_____
c. D <sup>2</sup> divided by D <sup>1</sup>	_____	_____	_____
d. DNL	<u>&lt;45</u>	<u>&lt;45</u>	<u>see DNL Contour Maps</u>
5. Operations projected for what year?	<u>2014</u>	<u>2015</u>	_____
6. Total DNL from all airports	_____	<u>&lt;45</u>	_____

Signed \_\_\_\_\_ Date \_\_\_\_\_

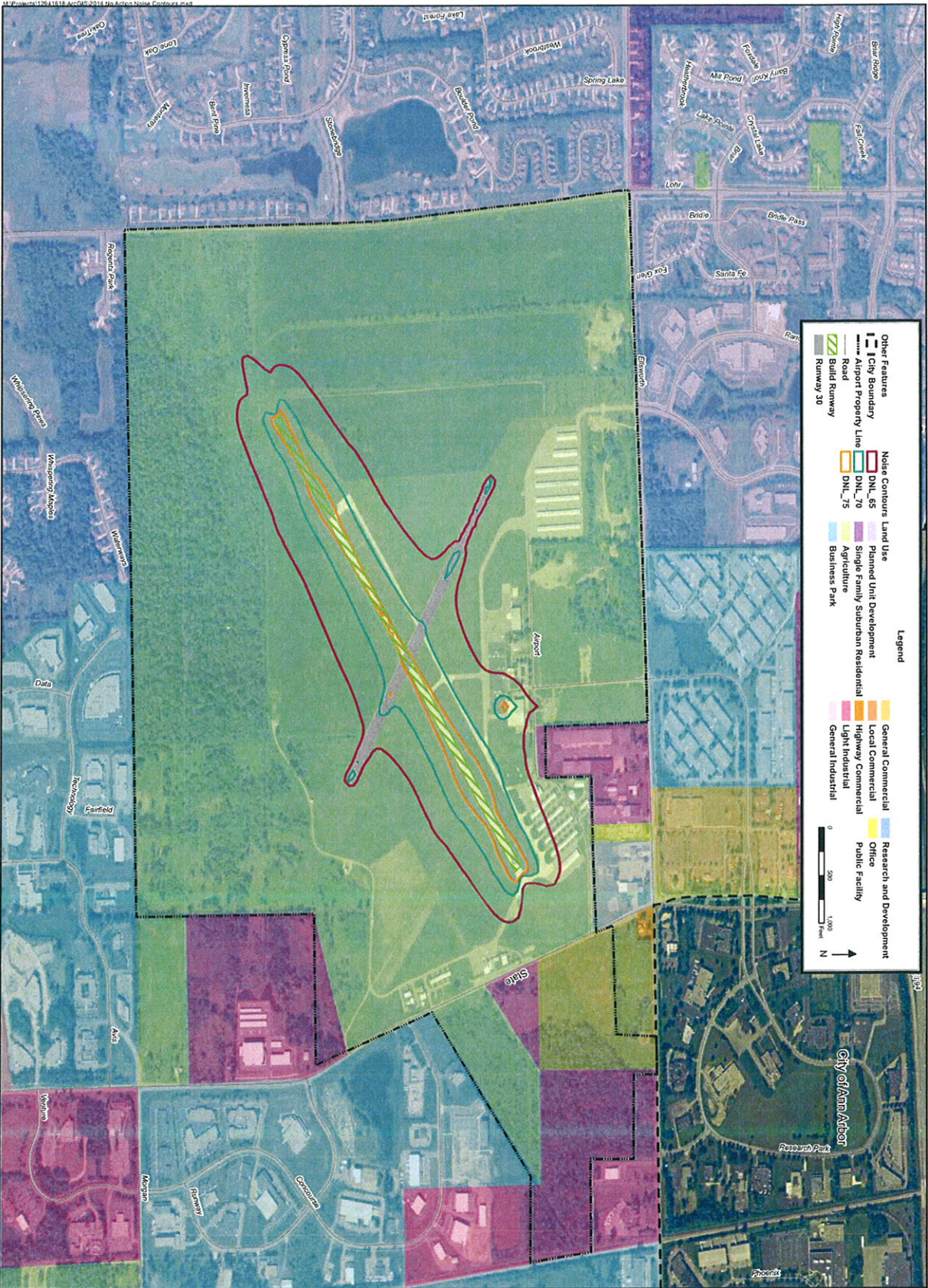


Figure N-3

Ann Arbor Municipal Airport  
2014 Build Noise Contour Map



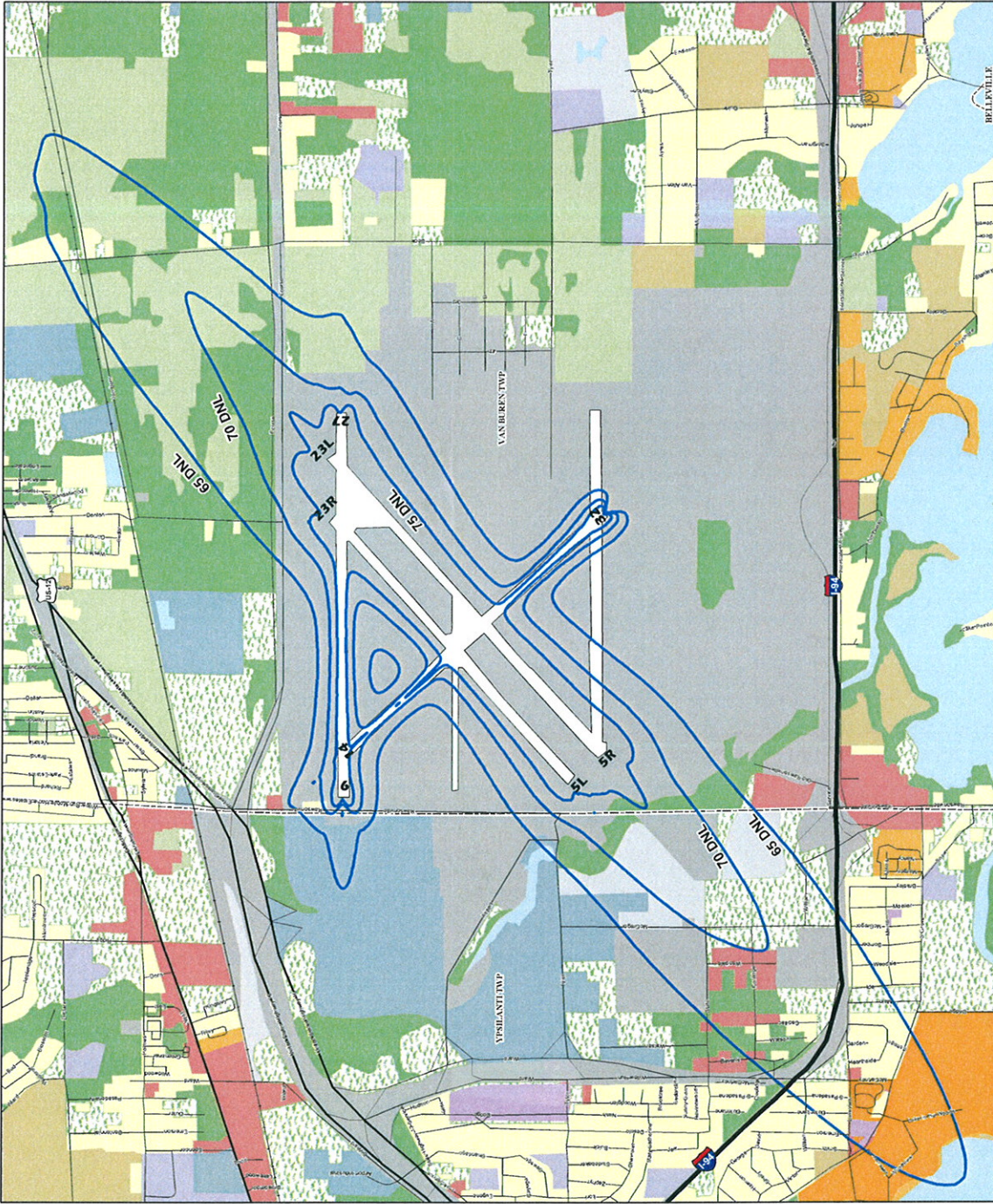


Figure 12  
Future 2015 Noise Exposure Map

Land Use Legend

- 2015 Base Case DNL Noise
- Single-family residential
- Residential areas with 25% or more vacant land
- Multiple-family residential
- Commercial and office
- Institutional
- Industrial
- Transportation, communication, and utility
- Under development
- Vacant nonresidential
- Extractive and barren
- Cultural, outdoor recreation, and cemetery
- Woodland and wetland
- Active agriculture
- Grassland, and shrub
- Water

The 65 DNL contour contains approximately 1959 acres, 502 residential structures and 1046 people.  
 The 70 DNL contour contains approximately 822 acres, 1 residential structure and 2 people.  
 The 75 DNL contour contains approximately 351 acres, no residential structures and no people.  
 Planning jurisdictions are shown on the map.  
 Noise measurement sites and flight tracks are depicted on the Noise Measurement Sites and Flight Tracks Maps.  
 Residential land use, as defined by FAR Part 155, is an economic use without proper sound attenuation within the 65 DNL or greater contour.  
 The Noise Exposure Maps and accompanying documentation are hereby certified as true and complete to the best of my knowledge and belief.  
 In addition, it is hereby certified that the public was afforded the opportunity to review and comment on the document and its contents.



List all major roads within 1000 feet of the site:

1. None
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

Necessary Information	Road 1	Road 2	Road 3	Road 4
1. Distance in feet from the NAL to the edge of the road				
a. nearest lane	_____	_____	_____	_____
b. farthest lane	_____	_____	_____	_____
c. average (effective distance)	_____	_____	_____	_____
2. Distance to stop sign	_____	_____	_____	_____
3. Road gradient in percent	_____	_____	_____	_____
4. Average speed in mph				
a. Automobiles	_____	_____	_____	_____
b. heavy trucks - uphill	_____	_____	_____	_____
c. heavy trucks - downhill	_____	_____	_____	_____
5. 24 hour average number of automobiles and medium trucks in both directions (ADT)				
a. automobiles	_____	_____	_____	_____
b. medium trucks	_____	_____	_____	_____
c. effective ADT (a + (10xb))	_____	_____	_____	_____
6. 24 hour average number of heavy trucks				
a. uphill	_____	_____	_____	_____
b. downhill	_____	_____	_____	_____
c. total	_____	_____	_____	_____
7. Fraction of nighttime traffic (10 p.m. to 7 a.m.)	_____	_____	_____	_____
8. Traffic projected for what year?	_____	_____	_____	_____

List All Railways within 3000 feet of the site:

- 1. Ann Arbor Railroad - 1,300 feet east
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

Necessary Information:

Railway No. 1    Railway No. 2    Railway No. 3

- 1. Distance in feet from the NAL to the railway track: 1,300' \_\_\_\_\_
- 2. Number of trains in 24 hours:
  - a. diesel 4 \_\_\_\_\_
  - b. electrified 0 \_\_\_\_\_
- 3. Fraction of operations occurring at night (10 p.m. - 7 a.m.): 50% \_\_\_\_\_
- 4. Number of diesel locomotives per train: 2 \_\_\_\_\_
- 5. Number of rail cars per train:
  - a. diesel trains 30 \_\_\_\_\_
  - b. electrified trains NA \_\_\_\_\_
- 6. Average train speed: 10 mph \_\_\_\_\_
- 7. Is track welded or bolted? bolted \_\_\_\_\_
- 8. Are whistles or horns required for grade crossings? Yes \_\_\_\_\_



# Site DNL Calculator

For more information on using the noise calculator, to access the user guidebook, or send comments, please visit the following page:

## [Day/Night Noise Level Electronic Assessment Tool](#)

### Guidelines:

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

Site ID

Record Date  x

User's Name

Railroad #1 Track Identifier:

Train Type	Electric <input type="checkbox"/>	Diesel <input checked="" type="checkbox"/>
Effective Distance		1300
Average Train Speed		10
Engines per Train		2
Railway cars per Train		30
Average Train Operations (ATO)		4
Night Fraction of ATO		50
Railway whistles or horns?	Yes: <input type="checkbox"/> No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Bolted Tracks?	Yes: <input type="checkbox"/> No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
<b>Train DNL</b>		<b>62.0254</b>

Calculate Rail #1 DNL	62.0254	Reset
Add Road Source	Add Rail Source	
Airport Noise Level	45	
Loud Impulse Sounds?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Combined DNL for all Road and Rail sources	62.0254	
Combined DNL including Airport	62.0254	
Site DNL with Loud Impulse Sound		
Calculate		

## Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**  
Cancel the project at this location [DNL Calculator](#)
- **Other Reasonable Alternatives**  
Choose an alternate site [DNL Calculator](#)
- **Mitigation**
  - **Contact your Field or Regional Environmental Officer - [Environmental Contacts](#)**
  - **Increase mitigation in the building walls** (only effective if no outdoor, noise sensitive areas).
  - **Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses** [DNL Calculator](#)
  - **Incorporate natural or man-made barriers.** See [The Noise Guidebook](#)
  - **Construct noise barrier.** See the [Barrier Performance Module](#)

Refresh

**Miller Manor**

727 Miller Ave

Ann Arbor, MI 48103

Inquiry Number: 3594432.8s

June 5, 2013

## EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

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

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600-10).

	Maximum Search Distance*	Summary		
		property	1/10	1/10 - 1/3
<b>STANDARD ENVIRONMENTAL RECORDS</b>				
Federal NPL	0.333	0	0	0
Federal CERCLIS	0.333	0	0	0
Federal RCRA CORRACTS facilities list	0.333	0	0	0
Federal RCRA TSD facilities list	0.333	0	0	0
Federal RCRA generators list	property	1	-	-
Federal institutional controls / engineering controls registries	0.333	0	0	0
Federal ERNS list	property	0	-	-
State and tribal - equivalent NPL	not searched	-	-	-
State and tribal - equivalent CERCLIS	0.333	0	0	0
State and tribal landfill / solid waste disposal	0.5	0	0	0
State and tribal leaking storage tank lists	0.333	0	0	0
State and tribal registered storage tank lists	property	0	-	-
State and tribal institutional control / engineering control registries	property	0	-	-
State and tribal voluntary cleanup sites	0.333	0	0	0
State and tribal Brownfields sites	0.333	0	0	0
<b>Other Standard Environmental Records</b>	<b>0.333</b>	<b>2</b>	<b>0</b>	<b>0</b>
<b>HISTORICAL USE RECORDS</b>				
Former manufactured Gas Plants	0.333	0	0	0
Historical Gas Stations	0.25	0	0	0
Historical Dry Cleaners	0.25	0	0	0

\*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied. See the section 'Record Sources and Currency' for information on individual databases.

# EXECUTIVE SUMMARY

## TARGET PROPERTY INFORMATION

### ADDRESS

MILLER MANOR  
727 MILLER AVE  
ANN ARBOR, MI 48103

### COORDINATES

Latitude (North): 42.2852 - 42° 17' 6.713562"  
Longitude (West): 83.7562 - 83° 45' 22.329712"  
Elevation: 838 ft. above sea level

## TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

<u>Site</u>	<u>Database(s)</u>
CITY OF ANN ARBOR HOUSING COMM 727 MILLER AVE ANN ARBOR, MI 48103	FINDS RCRA-CESQG
CITY OF ANN ARBOR HOUSING COMM 727 MILLER AVE ANN ARBOR, MI 48103	WDS

# EXECUTIVE SUMMARY

## PHYSICAL SETTING INFORMATION

Flood Zone: Not Available  
 NWI Wetlands: YES

## **AQUIFLOW®**

Search Radius: 0.333 Mile.

**No Aquiflow sites reported.**

## **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: BOYER  
 Soil Surface Texture: sandy loam  
 Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.  
 Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.  
 Hydric Status: Hydric Status: Soil does not meet the requirements for a hydric soil.  
 Corrosion Potential - Uncoated Steel: LOW  
 Depth to Bedrock Min: > 60 inches  
 Depth to Bedrock Max: > 60 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	7 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 7.30 Min: 5.60

# EXECUTIVE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	7 inches	18 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 7.30 Min: 5.60
3	18 inches	34 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 6.00 Min: 2.00	Max: 7.80 Min: 5.60
4	34 inches	60 inches	gravelly - sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 20.00	Max: 8.40 Min: 7.40

## OTHER SOIL TYPES IN AREA

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

- Soil Surface Textures: loamy sand  
muck  
loam
- Surficial Soil Types: loamy sand  
muck  
loam
- Shallow Soil Types: silty clay loam  
sandy loam  
clay loam
- Deeper Soil Types: sand  
sand and gravel  
stratified  
clay loam  
loam  
coarse sand  
muck



# EXECUTIVE SUMMARY

## SEARCH RESULTS

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

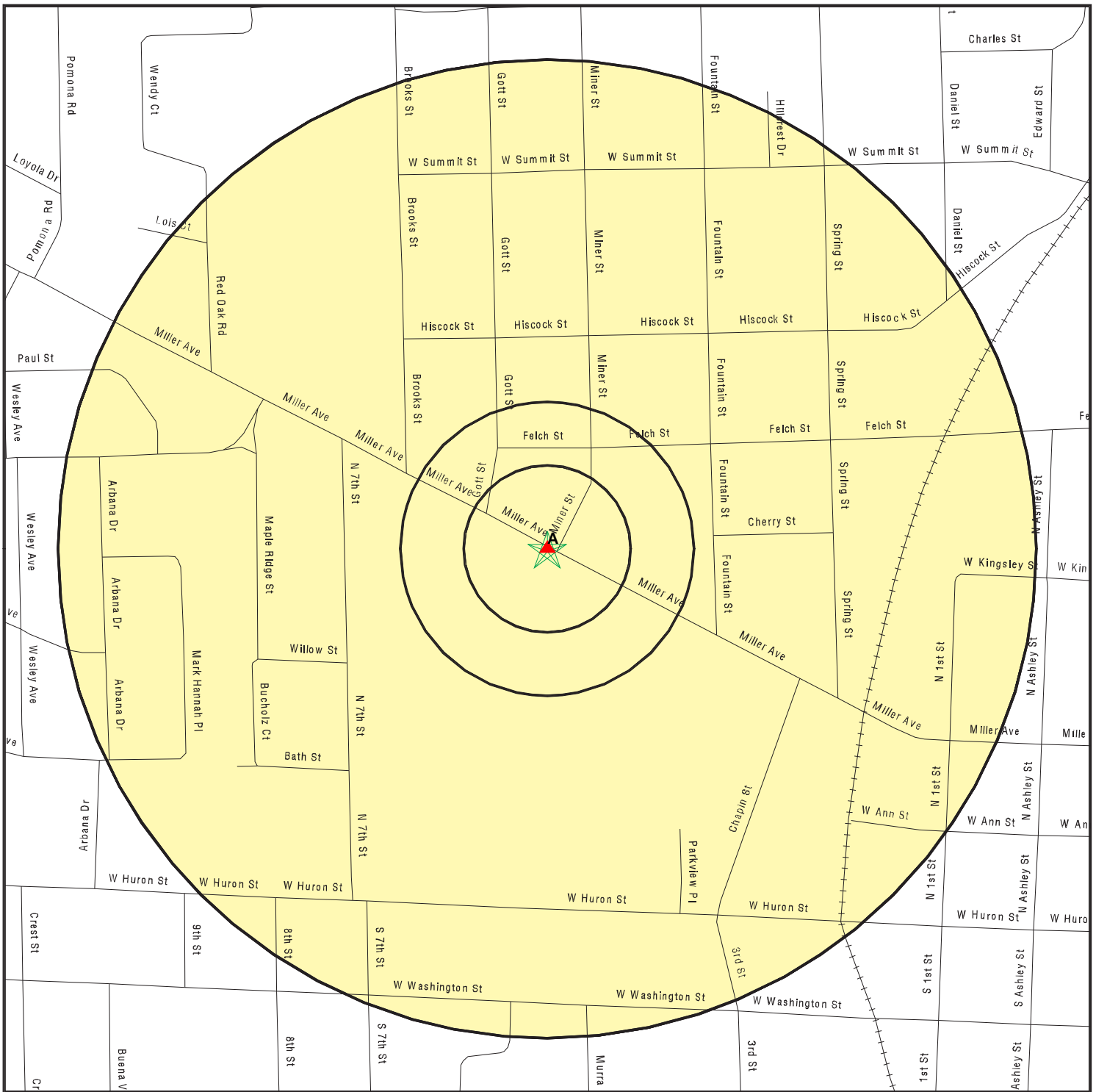
## STANDARD ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
CITY OF ANN ARBOR HOUSING COMM FINDS: Other Standard Environmental Records RCRA-CESQG: Federal RCRA generators list	727 MILLER AVE	Property	▲ A1	10
CITY OF ANN ARBOR HOUSING COMM WDS: Other Standard Environmental Records	727 MILLER AVE	Property	▲ A2	13

## HISTORICAL USE RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

# PRIMARY MAP - 3594432.8s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ▼ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🏠 National Priority List Sites
- 🏠 Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines from USGS

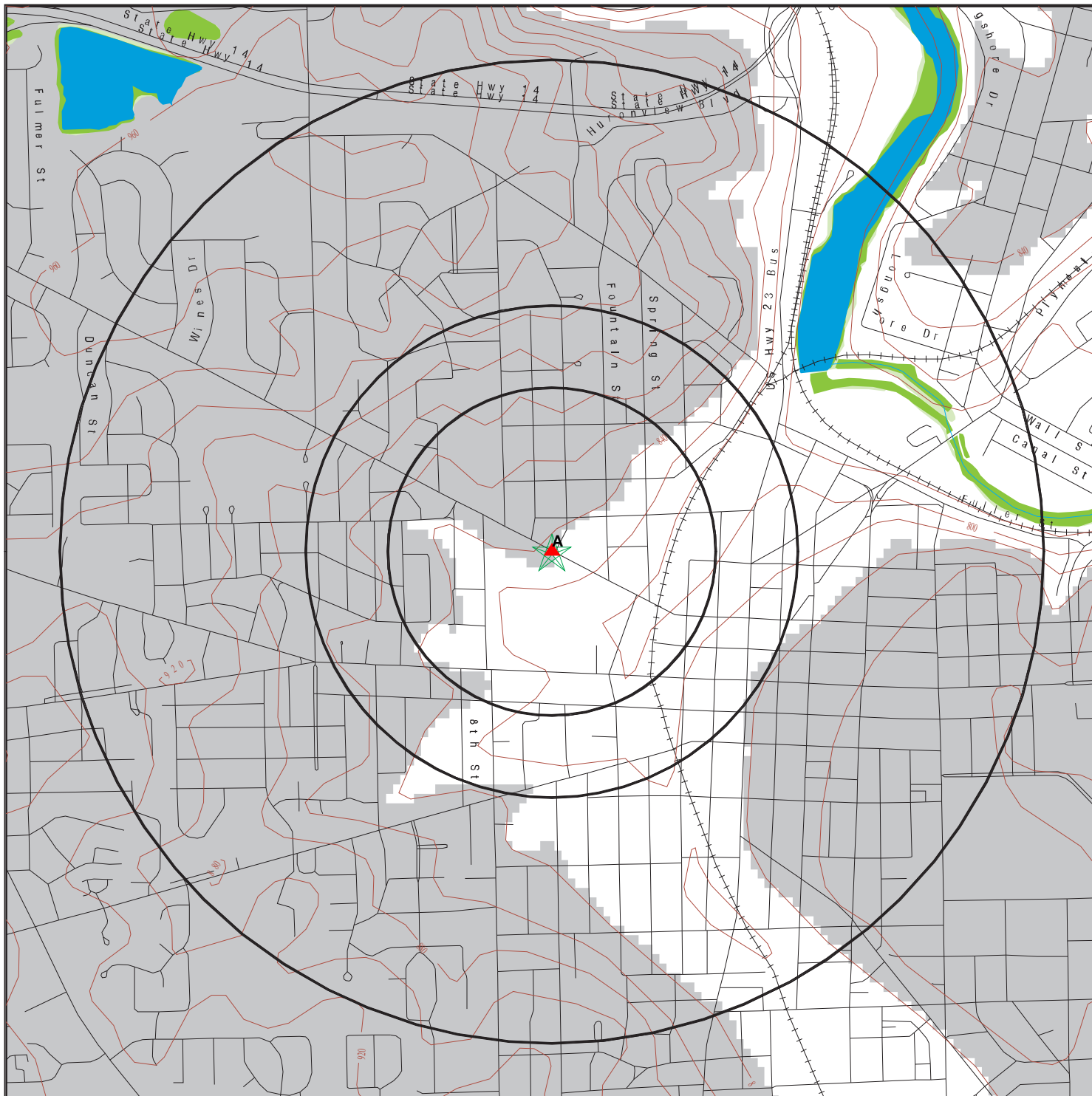
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location



SITE NAME: Miller Manor  
 ADDRESS: 727 Miller Ave  
 Ann Arbor MI 48103  
 LAT/LONG: 42.2852 / 83.7562

CLIENT: Environmental Resources Group, Inc.  
 CONTACT: Penny M. Dwoinen  
 INQUIRY #: 3594432.8s  
 DATE: May 01, 2013 9:26 pm

# SECONDARY MAP - 3594432.8s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ▼ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites



- Indian Reservations BIA
- Contour Lines
- Oil & Gas pipelines from USGS
- National Wetland Inventory
- State Wetlands
- Upgradient Area



SITE NAME: Miller Manor  
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 CONTACT: Penny M. Dwoinen  
 INQUIRY #: 3594432.8s  
 DATE: May 01, 2013 9:26 pm

# AERIAL PHOTOGRAPHY - 3594432.8s



0 300 1/3 Miles



SITE NAME: Miller Manor  
ADDRESS: 727 Miller Ave  
Ann Arbor MI 48103  
LAT/LONG: 42.2852 / 83.7562

CLIENT: Environmental Resources Group, Inc.  
CONTACT: Penny M. Dwoinen  
INQUIRY #: 3594432.8s  
DATE: May 01, 2013 9:27 pm

MAP FINDINGS

LEGEND

FACILITY NAME FACILITY ADDRESS, CITY, ST, ZIP		EDR SITE ID NUMBER
▼ MAP ID#	Direction Distance Range (Distance feet / miles)	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.
	Relative Elevation Feet Above Sea Level	
<b>Worksheet:</b>		
<b>Comments:</b> Comments may be added on the online Vapor Encroachment Worksheet.		

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

CITY OF ANN ARBOR HOUSING COMM 727 MILLER AVE, ANN ARBOR, MI, 48103		1000528779
▲ A1	Target Property	Federal RCRA generators list
	838 ft. Above Sea Level	Other Standard Environmental Records

**Worksheet:**

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**FINDS: Other Standard Environmental Records**



Registry ID: 110003656847

**Environmental Interest/Information System:**

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

**RCRA-CESQG: Federal RCRA generators list**



Date form received by agency: 05/02/1991  
 Facility name: CITY OF ANN ARBOR HOUSING COMM  
 Facility address: 727 MILLER AVE  
 ANN ARBOR, MI 48103  
 EPA ID: MID985612050  
 Contact: DONALD WRIGHT  
 Contact address: 727 MILLER AVE  
 ANN ARBOR, MI 48103  
 Contact country: US  
 Contact telephone: (313) 994-2828

MAP FINDINGS

**CITY OF ANN ARBOR HOUSING COMM, 727 MILLER AVE, ANN ARBOR, MI 48103 (Continued)**

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

**Owner/Operator Summary:**

Owner/operator name:	CITY OF ANN ARBOR HOUSING COMM
Owner/operator address:	Not Reported
Owner/operator country:	Not Reported
Owner/operator telephone:	Not Reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1970
Owner/Op end date:	Not Reported

Owner/operator name:	CITY OF ANN ARBOR HOUSING COMM
Owner/operator address:	Not Reported
Owner/operator country:	Not Reported
Owner/operator telephone:	Not Reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1970
Owner/Op end date:	Not Reported

**Handler Activities Summary:**

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

**Hazardous Waste Summary:**

MAP FINDINGS

**CITY OF ANN ARBOR HOUSING COMM, 727 MILLER AVE, ANN ARBOR, MI 48103 (Continued)**

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

Violation Status: No violations found

MAP FINDINGS

CITY OF ANN ARBOR HOUSING COMM 727 MILLER AVE, ANN ARBOR, MI, 48103		S111939673
▲ A2	Target Property	Other Standard Environmental Records
	838 ft. Above Sea Level	

**Worksheet:**

**Impact on Target Property:** VEC Likely Exists

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**WDS: Other Standard Environmental Records**



Site Id:	MID985612050
WMD Id:	405093
Site Specific Name:	CITY OF ANN ARBOR HOUSING COMM
Mailing Address:	727 MILLER AVE
Mailing City/State/Zip:	48103
Mailing County:	WASHTENAW



# RECORD SOURCES AND CURRENCY

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

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

## **STANDARD ENVIRONMENTAL RECORDS**

### **PRP:** Potentially Responsible Parties

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/02/2012

Source: EPA

Number of Days to Update: 69

Telephone: 202-564-6023

Last EDR Contact :04/04/2013

### **RMP:** Risk Management Plans

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 05/08/2012

Source: Environmental Protection Agency

Number of Days to Update: 46

Telephone: 202-564-8600

Last EDR Contact :04/29/2013

### **AIRS:** Permit and Emissions Inventory Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Permit and emissions inventory data.

Date of Government Version: 01/09/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 54

Telephone: 517-373-7074

Last EDR Contact :03/25/2013

### **AST:** Aboveground Tanks

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

Registered Aboveground Storage Tanks.

Date of Government Version: 02/21/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 31

Telephone: 517-373-8168

Last EDR Contact :02/18/2013

### **AUL:** Engineering and Institutional Controls

Standard Environmental Record Source: State and tribal institutional control / engineering control registries

## RECORD SOURCES AND CURRENCY

Search Distance: Property

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 03/28/2012

Source: Department of Natural Resources & Environment

Number of Days to Update: 23

Telephone: 517-373-4828

Last EDR Contact :03/04/2013

### **BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE**

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

Date of Government Version: 02/25/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 35

Telephone: 517-373-9541

Last EDR Contact :02/18/2013

### **BROWNFIELDS: Brownfields and USTfield Site Database**

Standard Environmental Record Source: State and tribal Brownfields sites

Search Distance: 0.333 Mile

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

Date of Government Version: 07/27/2012

Source: Department of Natural Resources & Environment

Number of Days to Update: 51

Telephone: 517-373-4805

Last EDR Contact :04/29/2013

### **BROWNFIELDS 2: Brownfields Building and Land Site Locations**

Standard Environmental Record Source: State and tribal Brownfields sites

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

Date of Government Version: 04/09/2007

Source: Economic Development Corporation

Number of Days to Update: 21

Telephone: 888-522-0103

Last EDR Contact :03/04/2013

### **CDL: Clandestine Drug Lab Listing**

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008

Source: Department of Community Health

Number of Days to Update: 3

Telephone: 517-373-3740

Last EDR Contact :04/29/2013

### **COAL ASH: Coal Ash Disposal Sites**

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

## RECORD SOURCES AND CURRENCY

Date of Government Version: 04/21/2011  
Number of Days to Update: 22  
Last EDR Contact :04/08/2013

Source: Department of Natural Resources & Environment  
Telephone: 586-753-3754

### **DEL SHWS:** Delisted List of Contaminated Sites

Standard Environmental Record Source: State and tribal - equivalent CERCLIS  
Search Distance: 0.333 Mile

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

Date of Government Version: 02/01/2013  
Number of Days to Update: 27  
Last EDR Contact :04/29/2013

Source: Department of Natural Resources & Environment  
Telephone: 517-373-9541

### **DRYCLEANERS:** Drycleaning Establishments

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: 0.25 Mile

A listing of drycleaning facilities in Michigan.

Date of Government Version: 10/22/2012  
Number of Days to Update: 35  
Last EDR Contact :04/19/2013

Source: Department of Natural Resources & Environment  
Telephone: 517-335-4586

### **HIST LF:** Inactive Solid Waste Facilities

Standard Environmental Record Source: State and tribal landfill / solid waste disposal  
Search Distance: 0.333 Mile

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997  
Number of Days to Update: 6  
Last EDR Contact :02/28/2003

Source: Department of Natural Resources & Environment  
Telephone: 517-335-4034

### **LIENS:** Lien List

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

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

Date of Government Version: 12/03/2012  
Number of Days to Update: 36  
Last EDR Contact :04/26/2013

Source: Department of Natural Resources & Environment  
Telephone: 517-373-9837

### **LUST:** Leaking Underground Storage Tank Sites

Standard Environmental Record Source: State and tribal leaking storage tank lists  
Search Distance: 0.333 Mile

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: 02/01/2013  
Number of Days to Update: 38

Source: Department of Natural Resources & Environment  
Telephone: 517-373-9837

## RECORD SOURCES AND CURRENCY

Last EDR Contact :02/19/2013

**NPDES:** List of Active NPDES Permits

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 01/08/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 50

Telephone: 517-241-1300

Last EDR Contact :04/10/2013

**PEAS:** Pollution Emergency Alerting System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 12/31/2012

Source: Department of Natural Resources & Environment

Number of Days to Update: 49

Telephone: 517-373-8427

Last EDR Contact :03/11/2013

**SHWS:** Contaminated Sites

Standard Environmental Record Source: State and tribal - equivalent CERCLIS

Search Distance: 0.333 Mile

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: 01/28/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 29

Telephone: 517-373-9541

Last EDR Contact :01/30/2013

**SWF/LF:** Solid Waste Facilities Database

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Search Distance: 0.333 Mile

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: 01/03/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 11

Telephone: 517-335-4035

Last EDR Contact :04/02/2013

**SWRCY:** Recycling Facilities

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Search Distance: 0.5 Mile

A listing of recycling center locations.

Date of Government Version: 11/24/2009

Source: Department of Natural Resources & Environment

Number of Days to Update: 28

Telephone: 517-241-5719

## RECORD SOURCES AND CURRENCY

Last EDR Contact :04/05/2013

**UIC:** Underground Injection Wells Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 01/30/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 28

Telephone: 517-241-1515

Last EDR Contact :04/29/2013

**UST:** Underground Storage Tank Facility List

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

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

Date of Government Version: 02/01/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 38

Telephone: 517-335-4035

Last EDR Contact :02/19/2013

**UST 2:** Underground Storage Tank Listing

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 02/07/2013

Source: Department of Environmental Quality

Number of Days to Update: 24

Telephone: 517-335-7211

Last EDR Contact :04/23/2013

**WDS:** Waste Data System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

Date of Government Version: 02/15/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 13

Telephone: 517-373-9875

Last EDR Contact :02/15/2013

**2020 COR ACTION:** 2020 Corrective Action Program List

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.25 Mile

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011

Source: Environmental Protection Agency

Number of Days to Update: 7

Telephone: 703-308-4044

Last EDR Contact :02/15/2013

## RECORD SOURCES AND CURRENCY

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

Standard Environmental Record Source: Federal CERCLIS

Search Distance: 0.333 Mile

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

Date of Government Version: 02/04/2013

Source: EPA

Number of Days to Update: 12

Telephone: 703-412-9810

Last EDR Contact :04/05/2013

### **CERCLIS-NFRAP:** CERCLIS No Further Remedial Action Planned

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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

Date of Government Version: 02/05/2013

Source: EPA

Number of Days to Update: 12

Telephone: 703-412-9810

Last EDR Contact :04/05/2013

### **COAL ASH DOE:** Sleam-Electric Plan Operation Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005

Source: Department of Energy

Number of Days to Update: 76

Telephone: 202-586-8719

Last EDR Contact :04/18/2013

### **COAL ASH EPA:** Coal Combustion Residues Surface Impoundments List

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010

Source: Environmental Protection Agency

Number of Days to Update: 77

Telephone: Not Reported

Last EDR Contact :03/15/2013

### **CONSENT:** Superfund (CERCLA) Consent Decrees

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

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

Date of Government Version: 12/31/2011

Source: Department of Justice, Consent Decree Library

Number of Days to Update: 57

Telephone: Varies

Last EDR Contact :04/01/2013

## RECORD SOURCES AND CURRENCY

### **CORRACTS:** Corrective Action Report

Standard Environmental Record Source: Federal RCRA CORRACTS facilities list

Search Distance: 0.333 Mile

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 02/12/2013

Source: EPA

Number of Days to Update: 6

Telephone: 800-424-9346

Last EDR Contact :04/03/2013

### **DEBRIS REGION 9:** Torres Martinez Reservation Illegal Dump Site Locations

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Search Distance: 0.333 Mile

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

Date of Government Version: 01/12/2009

Source: EPA, Region 9

Number of Days to Update: 137

Telephone: 415-947-4219

Last EDR Contact :04/29/2013

### **DELISTED NPL:** National Priority List Deletions

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 02/01/2013

Source: EPA

Number of Days to Update: 12

Telephone: Not Reported

Last EDR Contact :04/10/2013

### **DOT OPS:** Incident and Accident Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 07/31/2012

Source: Department of Transportation, Office of Pipeline Safety

Number of Days to Update: 42

Telephone: 202-366-4595

Last EDR Contact :02/05/2013

### **EPA WATCH LIST:** EPA WATCH LIST

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 07/31/2012

Source: Environmental Protection Agency

Number of Days to Update: 36

Telephone: 617-520-3000

Last EDR Contact :02/12/2013

## RECORD SOURCES AND CURRENCY

### **ERNS:** Emergency Response Notification System

Standard Environmental Record Source: Federal ERNS list

Search Distance: Property

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

Date of Government Version: 12/31/2012

Source: National Response Center, United States Coast Guard

Number of Days to Update: 29

Telephone: 202-267-2180

Last EDR Contact :04/02/2013

### **FEMA UST:** Underground Storage Tank Listing

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010

Source: FEMA

Number of Days to Update: 55

Telephone: 202-646-5797

Last EDR Contact :04/18/2013

### **FINDS:** Facility Index System/Facility Registry System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 10/23/2011

Source: EPA

Number of Days to Update: 79

Telephone: Not Reported

Last EDR Contact :03/12/2013

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

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 04/09/2009

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

Number of Days to Update: 25

Telephone: 202-566-1667

Last EDR Contact :02/25/2013

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

Standard Environmental Record Source: Other Standard Environmental Records

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009

Source: EPA

Number of Days to Update: 25

Telephone: 202-566-1667

Last EDR Contact :02/25/2013



## RECORD SOURCES AND CURRENCY

### **FUDS:** Formerly Used Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: 0.333 Mile

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

Date of Government Version: 12/31/2011                      Source: U.S. Army Corps of Engineers  
Number of Days to Update: 15                                      Telephone: 202-528-4285  
Last EDR Contact :03/11/2013

### **HIST FTTS:** FIFRA/TSCA Tracking System Administrative Case Listing

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

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

Date of Government Version: 10/19/2006                      Source: Environmental Protection Agency  
Number of Days to Update: 40                                      Telephone: 202-564-2501  
Last EDR Contact :12/17/2007

### **HMIRS:** Hazardous Materials Information Reporting System

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

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

Date of Government Version: 12/31/2012                      Source: U.S. Department of Transportation  
Number of Days to Update: 55                                      Telephone: 202-366-4555  
Last EDR Contact :04/02/2013

### **ICIS:** Integrated Compliance Information System

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

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

Date of Government Version: 07/20/2011                      Source: Environmental Protection Agency  
Number of Days to Update: 61                                      Telephone: 202-564-5088  
Last EDR Contact :04/15/2013

### **INDIAN LUST R1:** Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists  
Search Distance: 0.333 Mile

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

Date of Government Version: 09/28/2012                      Source: EPA Region 1  
Number of Days to Update: 162                                      Telephone: 617-918-1313  
Last EDR Contact :05/01/2013

### **INDIAN LUST R10:** Leaking Underground Storage Tanks on Indian Land

## RECORD SOURCES AND CURRENCY

Standard Environmental Record Source: State and tribal leaking storage tank lists  
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/05/2013                      Source: EPA Region 10  
Number of Days to Update: 65                                      Telephone: 206-553-2857  
Last EDR Contact :04/29/2013

**INDIAN LUST R4:** Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/06/2013                      Source: EPA Region 4  
Number of Days to Update: 63                                      Telephone: 404-562-8677  
Last EDR Contact :04/29/2013

**INDIAN LUST R6:** Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists  
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011                      Source: EPA Region 6  
Number of Days to Update: 59                                      Telephone: 214-665-6597  
Last EDR Contact :04/29/2013

**INDIAN LUST R7:** Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 12/31/2012                      Source: EPA Region 7  
Number of Days to Update: 43                                      Telephone: 913-551-7003  
Last EDR Contact :04/29/2013

**INDIAN LUST R8:** Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists  
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012                      Source: EPA Region 8  
Number of Days to Update: 49                                      Telephone: 303-312-6271  
Last EDR Contact :04/29/2013

**INDIAN LUST R9:** Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists  
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013                      Source: Environmental Protection Agency  
Number of Days to Update: 42                                      Telephone: 415-972-3372  
Last EDR Contact :04/29/2013

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

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: 0.333 Mile

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998                      Source: Environmental Protection Agency

## RECORD SOURCES AND CURRENCY

Number of Days to Update: 52  
Last EDR Contact :02/05/2013

Telephone: 703-308-8245

### **INDIAN UST R1:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists  
Search Distance: Property

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

Date of Government Version: 09/28/2012  
Number of Days to Update: 156  
Last EDR Contact :04/29/2013

Source: EPA, Region 1  
Telephone: 617-918-1313

### **INDIAN UST R10:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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

Date of Government Version: 02/05/2013  
Number of Days to Update: 65  
Last EDR Contact :04/29/2013

Source: EPA Region 10  
Telephone: 206-553-2857

### **INDIAN UST R4:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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

Date of Government Version: 02/06/2013  
Number of Days to Update: 63  
Last EDR Contact :04/29/2013

Source: EPA Region 4  
Telephone: 404-562-9424

### **INDIAN UST R5:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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

Date of Government Version: 08/02/2012  
Number of Days to Update: 94  
Last EDR Contact :04/29/2013

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

### **INDIAN UST R6:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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

Date of Government Version: 05/10/2011  
Number of Days to Update: 34  
Last EDR Contact :04/29/2013

Source: EPA Region 6  
Telephone: 214-665-7591

### **INDIAN UST R7:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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

## RECORD SOURCES AND CURRENCY

Date of Government Version: 12/31/2012  
Number of Days to Update: 43  
Last EDR Contact :04/29/2013

Source: EPA Region 7  
Telephone: 913-551-7003

### **INDIAN UST R8:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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

Date of Government Version: 08/27/2012  
Number of Days to Update: 49  
Last EDR Contact :04/29/2013

Source: EPA Region 8  
Telephone: 303-312-6137

### **INDIAN UST R9:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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

Date of Government Version: 02/21/2013  
Number of Days to Update: 45  
Last EDR Contact :04/29/2013

Source: EPA Region 9  
Telephone: 415-972-3368

### **INDIAN VCP R1:** Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites  
Search Distance: 0.333 Mile

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

Date of Government Version: 09/28/2012  
Number of Days to Update: 14  
Last EDR Contact :04/05/2013

Source: EPA, Region 1  
Telephone: 617-918-1102

### **INDIAN VCP R7:** Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites

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

Date of Government Version: 03/20/2008  
Number of Days to Update: 27  
Last EDR Contact :04/20/2009

Source: EPA, Region 7  
Telephone: 913-551-7365

### **LIENS 2:** CERCLA Lien Information

Standard Environmental Record Source: Federal CERCLIS  
Search Distance: Property

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

Date of Government Version: 02/16/2012  
Number of Days to Update: 80  
Last EDR Contact :04/29/2013

Source: Environmental Protection Agency  
Telephone: 202-564-6023

### **LUCIS:** Land Use Control Information System

Standard Environmental Record Source: Federal institutional controls / engineering controls registries  
Standard Environmental Record Source: Other Standard Environmental Records

## RECORD SOURCES AND CURRENCY

Search Distance: 0.333 Mile

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

Date of Government Version: 12/09/2005

Source: Department of the Navy

Number of Days to Update: 31

Telephone: 843-820-7326

Last EDR Contact :02/18/2013

### **MLTS: Material Licensing Tracking System**

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 06/21/2011

Source: Nuclear Regulatory Commission

Number of Days to Update: 60

Telephone: 301-415-7169

Last EDR Contact :03/11/2013

### **NPL: National Priority List**

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

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: 02/01/2013

Source: EPA

Number of Days to Update: 12

Telephone: Not Reported

Last EDR Contact :04/10/2013

### **NPL Site Boundaries**

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-566-0690

EPA Region 1  
Telephone: 617-918-1102

EPA Region 2  
Telephone: 212-637-4293

EPA Region 3  
Telephone: 215-814-5418

EPA Region 4  
Telephone: 404-562-8681

EPA Region 5  
Telephone: 312-353-1063

EPA Region 6  
Telephone: 214-655-6659

EPA Region 7  
Telephone: 913-551-7247

EPA Region 8  
Telephone: 303-312-6118

## RECORD SOURCES AND CURRENCY

EPA Region 9  
Telephone: 415-947-4579

EPA Region 10  
Telephone: 206-553-4479

### **NPL LIENS:** Federal Superfund Liens

Standard Environmental Record Source: Federal NPL

Search Distance: Property

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991

Source: EPA

Number of Days to Update: 56

Telephone: 202-564-4267

Last EDR Contact :08/15/2011

### **ODI:** Open Dump Inventory

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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

Date of Government Version: 06/30/1985

Source: Environmental Protection Agency

Number of Days to Update: 39

Telephone: 800-424-9346

Last EDR Contact :06/09/2004

### **PADS:** PCB Activity Database System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 11/01/2010

Source: EPA

Number of Days to Update: 98

Telephone: 202-566-0500

Last EDR Contact :04/19/2013

### **PCB TRANSFORMER:** PCB Transformer Registration Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011

Source: Environmental Protection Agency

Number of Days to Update: 83

Telephone: 202-566-0517

Last EDR Contact :02/01/2013

### **Proposed NPL:** Proposed National Priority List Sites

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

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

Date of Government Version: 02/01/2013

Source: EPA

## RECORD SOURCES AND CURRENCY

Number of Days to Update: 12  
Last EDR Contact :04/10/2013

Telephone: Not Reported

### **RAATS:** RCRA Administrative Action Tracking System

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

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

Date of Government Version: 04/17/1995  
Number of Days to Update: 35  
Last EDR Contact :06/02/2008

Source: EPA  
Telephone: 202-564-4104

### **RADINFO:** Radiation Information Database

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

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

Date of Government Version: 01/08/2013  
Number of Days to Update: 93  
Last EDR Contact :04/11/2013

Source: Environmental Protection Agency  
Telephone: 202-343-9775

### **RCRA NonGen / NLR:** RCRA - Non Generators

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/12/2013  
Number of Days to Update: 12  
Last EDR Contact :04/03/2013

Source: Environmental Protection Agency  
Telephone: 703-308-8895

### **RCRA-CESQG:** RCRA - Conditionally Exempt Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list  
Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013  
Number of Days to Update: 12  
Last EDR Contact :04/03/2013

Source: Environmental Protection Agency  
Telephone: 703-308-8895

### **RCRA-LQG:** RCRA - Large Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list  
Search Distance: Property

## RECORD SOURCES AND CURRENCY

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013

Source: Environmental Protection Agency

Number of Days to Update: 12

Telephone: 703-308-8895

Last EDR Contact :04/03/2013

### **RCRA-SQG:** RCRA - Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/12/2013

Source: Environmental Protection Agency

Number of Days to Update: 12

Telephone: 703-308-8895

Last EDR Contact :04/03/2013

### **RCRA-TSDF:** RCRA - Treatment, Storage and Disposal

Standard Environmental Record Source: Federal RCRA TSD facilities list

Search Distance: 0.333 Mile

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

Date of Government Version: 02/12/2013

Source: Environmental Protection Agency

Number of Days to Update: 12

Telephone: 703-308-8895

Last EDR Contact :04/03/2013

### **ROD:** Records Of Decision

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

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

Date of Government Version: 12/18/2012

Source: EPA

Number of Days to Update: 30

Telephone: 703-416-0223

Last EDR Contact :03/13/2013

### **SCRD DRYCLEANERS:** State Coalition for Remediation of Drycleaners Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011

Source: Environmental Protection Agency



## RECORD SOURCES AND CURRENCY

Number of Days to Update: 54  
Last EDR Contact :04/23/2013

Telephone: 615-532-8599

### **SSTS:** Section 7 Tracking Systems

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

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: 12/31/2009  
Number of Days to Update: 77  
Last EDR Contact :04/29/2013

Source: EPA  
Telephone: 202-564-4203

### **TRIS:** Toxic Chemical Release Inventory System

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

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: 12/31/2009  
Number of Days to Update: 131  
Last EDR Contact :02/26/2013

Source: EPA  
Telephone: 202-566-0250

### **TSCA:** Toxic Substances Control Act

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

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: 12/31/2006  
Number of Days to Update: 64  
Last EDR Contact :03/28/2013

Source: EPA  
Telephone: 202-260-5521

### **UMTRA:** Uranium Mill Tailings Sites

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: 0.333 Mile

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010  
Number of Days to Update: 146  
Last EDR Contact :02/25/2013

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

### **US AIRS (AFS):** Aerometric Information Retrieval System Facility Subsystem (AFS)

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

## RECORD SOURCES AND CURRENCY

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 11/15/2012

Source: EPA

Number of Days to Update: 91

Telephone: 202-564-5962

Last EDR Contact :04/01/2013

### **US AIRS MINOR:** Air Facility System Data

Standard Environmental Record Source: Other Standard Environmental Records

A listing of minor source facilities.

Date of Government Version: 11/15/2012

Source: EPA

Number of Days to Update: 91

Telephone: 202-564-5962

Last EDR Contact :04/01/2013

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

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/10/2012

Source: Environmental Protection Agency

Number of Days to Update: 9

Telephone: 202-566-2777

Last EDR Contact :03/26/2013

### **US CDL:** Clandestine Drug Labs

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 11/14/2012

Source: Drug Enforcement Administration

Number of Days to Update: 66

Telephone: 202-307-1000

Last EDR Contact :03/04/2013

### **US ENG CONTROLS:** Engineering Controls Sites List

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

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

Date of Government Version: 12/19/2012

Source: Environmental Protection Agency

Number of Days to Update: 63

Telephone: 703-603-0695

## RECORD SOURCES AND CURRENCY

Last EDR Contact :03/11/2013

**US FIN ASSUR:** Financial Assurance Information

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 11/20/2012

Source: Environmental Protection Agency

Number of Days to Update: 89

Telephone: 202-566-1917

Last EDR Contact :02/19/2013

**US HIST CDL:** National Clandestine Laboratory Register

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 09/01/2007

Source: Drug Enforcement Administration

Number of Days to Update: 131

Telephone: 202-307-1000

Last EDR Contact :03/23/2009

**US INST CONTROL:** Sites with Institutional Controls

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

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

Date of Government Version: 12/19/2012

Source: Environmental Protection Agency

Number of Days to Update: 63

Telephone: 703-603-0695

Last EDR Contact :03/11/2013

**US MINES:** Mines Master Index File

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 08/18/2011

Source: Department of Labor, Mine Safety and Health Administration

Number of Days to Update: 21

Telephone: 303-231-5959

Last EDR Contact :03/06/2013

**DOD:** Department of Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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

Date of Government Version: 12/31/2005

Source: USGS

## RECORD SOURCES AND CURRENCY

Number of Days to Update: 62  
Last EDR Contact :04/19/2013

Telephone: 888-275-8747

**INDIAN RESERV:** Indian Reservations

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

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

Date of Government Version: 12/31/2005  
Number of Days to Update: 34  
Last EDR Contact :04/19/2013

Source: USGS  
Telephone: 202-208-3710

**PWS:** Public Water System Data

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 04/12/2007  
Number of Days to Update: N/A  
Last EDR Contact :03/11/2013

Source: EPA  
Telephone: Not Reported

# RECORD SOURCES AND CURRENCY

## HISTORICAL USE RECORDS

### **EDR MGP:** EDR Proprietary Manufactured Gas Plants

Standard Environmental Record Source: Former manufactured Gas Plants

Search Distance: 0.333 Mile

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

Date of Government Version: 08/28/2009

Source: EDR, Inc.

Number of Days to Update: 55

Telephone: Not Reported

Last EDR Contact :11/30/2012

### **EDR US Hist Auto Stat:** EDR Exclusive Historic Gas Stations

Standard Environmental Record Source: Historical Gas Stations

Search Distance: 0.25 Mile

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: 02/20/2007

Source: EDR, Inc.

Number of Days to Update: 42

Telephone: Not Reported

Last EDR Contact :02/21/2007

### **EDR US Hist Cleaners:** EDR Exclusive Historic Dry Cleaners

Standard Environmental Record Source: Historical Dry Cleaners

Search Distance: 0.25 Mile

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: 02/20/2007

Source: EDR, Inc.

Number of Days to Update: 42

Telephone: Not Reported

Last EDR Contact :02/21/2007

# RECORD SOURCES AND CURRENCY

## TOPOGRAPHIC INFORMATION

### **USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5' minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

## HYDROLOGIC INFORMATION

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

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### **AQUIFLOW<sup>®</sup> Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW<sup>®</sup> 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

### **STATSGO: State Soil Geographic Database**

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

### **SSURGO: Soil Survey Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

## STREET AND ADDRESS INFORMATION

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**Statutory Checklist Subject to §58.5**

**PROJECT NAME:** Miller Manor  
**DESCRIPTION:** Rental Rehab  
**LOCATION:** 727 Miller Ave, Ann Arbor, MI 48103

**Status "A"** – Activity does not require formal consultation with an outside agency and does not affect the resource in question.

**Status "B"** – Activity triggers formal compliance consultation with the oversight agency and/or affects the resource in question.

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Status	Compliance Documentation
Historic Preservation [36 CFR Part 800]	A	The Subject Property is less than 50 years old therefore not subject to Historic Preservation requirements.
Floodplain Management [24 CFR Part 55; Executive Order 11988]	A	According to the attached Environmental Data Resources Inc. (EDR) NEPA Report, the Subject Property is not located in a 100 year or 500 year FEMA flood plain.
Wetland Protection [Executive Order 11990]	A	According to the attached EDR NEPA Report, the Subject Property is not listed in the National Wetlands Inventory.
Coastal Zone Management Act [16 U.S.C. 1451, §§ 307(c), (d)]	A	According to the attached Michigan Department of Environmental Quality (MDEQ) Coastal Zone Management Map list, Washtenaw County has no Coastal Zone Management Areas.



**TECHNICAL SKILL.  
CREATIVE SPIRIT.**

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Status	Compliance Documentation
<b>Sole Source Aquifers</b> [40 CFR Part 149]	A	According to the attached Designated Sole Source Aquifers In EPA Region 5 Map, the Subject Property is not located within a sole source aquifer.
<b>Endangered Species Act</b> [50 CFR Part 402]	A	According to the attached EDR NEPA Report, the US Fish and Wildlife Service does not list any threatened or endangered species in the area of the Subject Property.
<b>Wild and Scenic Rivers Act</b> [16 U.S.C. 1271, §§ 7(b), (c)]	A	According to the attached Michigan Department of Natural Resources map of wild and scenic rivers, no federal or state wild and scenic rivers are located in the area of the Subject Property.
<b>Clean Air Act</b> [40 CFR Parts 6, 51, 93]	A	According to the attached MDEQ air quality attainment map, the Detroit Metropolitan Area is a nonattainment area for fine particulates. However, all Michigan counties are in compliance with current PM2.5 Standards.
<b>Farmland Protection Policy Act</b> [7 CFR Part 658]	A	The Subject Property is developed, urban land and is therefore not subject to the Farmland Protection Policy Act.
<b>Environmental Justice</b> [Executive Order 12898]	A	The project will have no adverse health or environmental effects to impact populations of the city.
<b>Noise Abatement and Control</b> [24 CFR Part 51, Subpart B]	B	A Railroad is located within 3,000 feet, two civilian airfields are within 15 miles and the Subject Property is within 1,000 feet of a busy roadway. If rehab of these units is planned, a determination will be made as to whether or not noise attenuation is required to mitigate high noise levels.
<b>Explosive and Flammable Operations</b> [24 CFR Part 51, Subpart C]	B	According to the attached EDR Environmental Database Report, the Subject Property is a conditionally exempt small quantity generator of ignitable hazardous wastes. No violations are present.



Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Status	Compliance Documentation
<b>Toxic Chemicals and Radioactive Materials</b> [24CFR Part 58, § 5(i)(2)]	B	According to the attached EDR Environmental Database Report, the Subject Property is a RCRA conditionally exempt small quantity generator of ignitable hazardous wastes. No violations are present. The environmental database does not list the Subject Property as a CERCLA site; is not located near listed toxic or solid waste landfill sites; does not have an underground storage tank and is not known or suspected to be contaminated by toxic chemicals or radioactive materials.
<b>Airport Clear Zones and Accident Potential Zones</b> [24 CFR Part 51, Subpart D]	A	The closest airport is approximately 4.0 miles from the Subject Property and beyond the airport clear zone and accident potential zone.

**DETERMINATION:**

- This project converts to Exempt, per § 58.34(a)(12), because it does not require any mitigation for compliance with any listed statutes or authorities, nor requires any formal permit or license (Status "A" has been determined in the status column for all authorities). Funds may be drawn down for this (now) EXEMPT project; OR
- This project cannot convert to Exempt because one or more statutes/authorities require consultation or mitigation. Complete consultation/mitigation requirements, publish NOI/RROF and obtain Authority to Use Grant Funds (HUD 7015.16) per §§ 58.70 and 58.71 before drawing down funds; OR
- The unusual circumstances of this project may result in a significant environmental impact. This project requires preparation of an Environmental Assessment (EA). Prepare the EA according to 24 CFR Part 58 Subpart E.

PREPARER SIGNATURE:



DATE:

May 9, 2013

EDR NEPA CHECK REPORT



**Miller Manor**

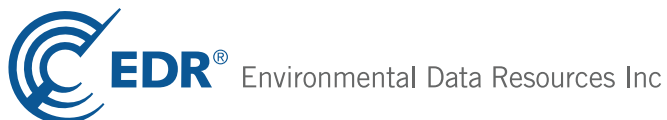
727 Miller Ave

Ann Arbor, MI 48103

Inquiry Number: 3590231.1s

April 29, 2013

**EDR NEPACheck®**



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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

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## EDR NEPACheck® DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPACheck provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

<b>Section</b>	<b>Regulation</b>
<b>Natural Areas Map</b>	
• Federal Lands Data:	
- Officially designated wilderness areas	47 CFR 1.1307(1)
- Officially designated wildlife preserves, sanctuaries and refuges	47 CFR 1.1307(2)
- Wild and scenic rivers	40 CFR 6.302(e)
- Fish and Wildlife	40 CFR 6.302
• Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available)	47 CFR 1.1307(3); 40 CFR 6.302
<b>Historic Sites Map</b>	
• National Register of Historic Places	47 CFR 1.1307(4); 40 CFR 6.302
• State Historic Places (where available)	
• Indian Reservations	
<b>Flood Plain Map</b>	
• National Flood Plain Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
<b>Wetlands Map</b>	
• National Wetlands Inventory Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
<b>FCC &amp; FAA Map</b>	
• FCC antenna/tower sites, FAA Markings and Obstructions, Airports, Topographic gradient	47 CFR 1.1307(8)
<b>Key Contacts and Government Records Searched</b>	

# MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 60 of this report.

## TARGET PROPERTY ADDRESS

MILLER MANOR  
727 MILLER AVE  
ANN ARBOR, MI 48103

Inquiry #: 3590231.1s  
Date: 4/29/13











## TARGET PROPERTY COORDINATES

Latitude (North): 42.284901 - 42° 17' 5.6"  
Longitude (West): 83.756699 - 83° 45' 24.1"  
Universal Tranverse Mercator: Zone 17  
UTM X (Meters): 272703.1  
UTM Y (Meters): 4684875.5

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
<b><u>NATURAL AREAS MAP</u></b>				
1.1307a (1) Officially Designated Wilderness Area	US Federal Lands	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	US Federal Lands	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	MI Park Facilities	1.00	NO	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	County Endangered Species	County	YES	N/A
<b><u>HISTORIC SITES MAP</u></b>				
1.1307a (4) Listed or eligible for National Register	National Register of Hist. Pla	1.00	YES	NO
1.1307a (4) Listed or eligible for National Register	MI Historic Sites	1.00	YES	NO
	Indian Reservation	1.00	NO	NO
<b><u>FLOODPLAIN MAP</u></b>				
1.1307 (6) Located in a Flood Plain	FLOODPLAIN	1.00	NO	NO
<b><u>WETLANDS MAP</u></b>				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	YES	NO
<b><u>FCC &amp; FAA SITES MAP</u></b>				
	Cellular	1.00	NO	NO
	4G Cellular	1.00	NO	NO
	Antenna Structure Registration	1.00	YES	NO
	Towers	1.00	YES	NO
	AM Antenna	1.00	NO	NO
	FM Antenna	1.00	YES	NO
	FAA DOF	1.00	YES	NO
	Airports	1.00	NO	---
	Power Lines	1.00	NO	---

# Natural Areas Map



- |   |   |
|---|---|
|  Target Property |  Locations               |
|  Roads           |  Federal Areas           |
|  County Boundary |  Federal Linear Features |
|  Waterways       |  State Areas             |
|  Water           |  State Linear Features   |



**SITE NAME:** Miller Manor  
**ADDRESS:** 727 Miller Ave  
 Ann Arbor MI 48103  
**LAT/LONG:** 42.2849 / 83.7567

**CLIENT:** The Mannik & Smith Group  
**CONTACT:** Michelle Henn  
**INQUIRY #:** 3590231.1s  
**DATE:** April 29, 2013

## NATURAL AREAS MAP FINDINGS

### Endangered Species Listed for: WASHTENAW County, MI.

Source: EPA Endangered Species Protection Program Database

PLANT: ORCHID, EASTERN PRAIRIE FRINGED

Map ID  
Direction  
Distance  
Distance (ft.)

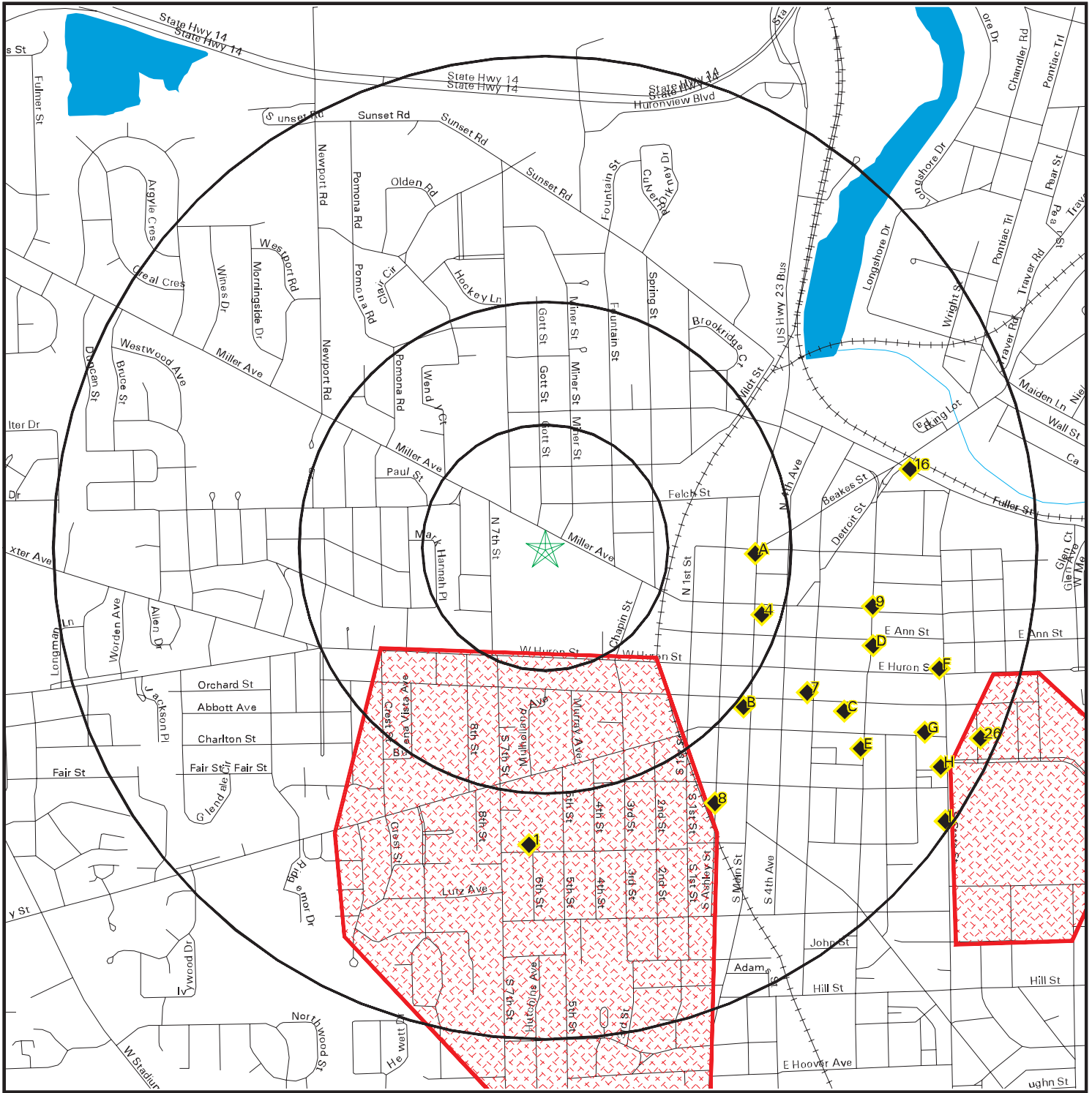
EDR ID  
Database

---

No mapped sites were found in EDR's search of available government records within the search radius around the target property.



# Historic Sites Map



- Target Property
- Streets
- County Boundary
- Waterways
- Water
- Historic Sites
- Federal Historic Areas
- State Historic Areas
- US Indian Reservations
- Scenic Trail



SITE NAME: Miller Manor  
 ADDRESS: 727 Miller Ave  
 Ann Arbor MI 48103  
 LAT/LONG: 42.2849 / 83.7567

CLIENT: The Mannik & Smith Group  
 CONTACT: Michelle Henn  
 INQUIRY #: 3590231.1s  
 DATE: April 29, 2013

# HISTORIC SITES MAP FINDINGS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

1	South				
	1/8-1/4 mi				72000661
	1140				National Register of Hist. Places
	Resname:	Old West Side Historic District			
	Address:	Bounded roughly by 7th, Main, and Huron Sts., Pauline Blvd., and Crest Ave.			
	City:	Ann Arbor			
	Vicinity:	Not Reported			
	County:	Washtenaw			
	State:	MICHIGAN			
	Certdate:	19720414			
	Multname:	Not Reported			
	Acre:	250.0+			

A2	East				
	1/4-1/2 mi				91002000
	2189				National Register of Hist. Places
	Resname:	Earl, Thomas, House			
	Address:	415 N. Main St.			
	City:	Ann Arbor			
	Vicinity:	Not Reported			
	County:	Washtenaw			
	State:	MICHIGAN			
	Certdate:	19920625			
	Multname:	Not Reported			
	Acre:	0.9+			

A3	East				
	1/4-1/2 mi				94000754
	2337				National Register of Hist. Places
	Resname:	Kellogg--Warden House			
	Address:	500 N. Main St.			
	City:	Ann Arbor			
	Vicinity:	Not Reported			
	County:	Washtenaw			
	State:	MICHIGAN			
	Certdate:	19940722			
	Multname:	Not Reported			
	Acre:	0.9+			

4	ESE				
	1/4-1/2 mi				78001512
	2437				National Register of Hist. Places
	Resname:	Main Street Post Office			
	Address:	220 N. Main St.			

# HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	City: Ann Arbor Vicinity: Not Reported County: Washtenaw State: MICHIGAN Certdate: 19780522 Multname: Not Reported Federal agency: U.S. POSTAL SERVICE Resource name: Main Street Post Office Address: 220 N. Main St. State: MICHIGAN County: Washtenaw City: Ann Arbor Listed date: 1.9780522E+007 Multiple name: Not Reported Acre: 0.9+	
B5 SE 1/4-1/2 mi 2586	Resname: Germania Building Complex Address: 119-123 W. Washington St. and 209-211 Ashley St. City: Ann Arbor Vicinity: Not Reported County: Washtenaw State: MICHIGAN Certdate: 19830310 Multname: Not Reported Acre: 0.9+	83000893 National Register of Hist. Places
B6 SE 1/2-1 mi 2878	Resname: First National Bank Building Address: 201 S. Main St. City: Ann Arbor Vicinity: Not Reported County: Washtenaw State: MICHIGAN Certdate: 19821124 Multname: Not Reported Acre: 0.2+	82000547 National Register of Hist. Places
7 ESE 1/2-1 mi 3215	Resname: Weinmann Block	83000891 National Register of Hist. Places

# HISTORIC SITES MAP FINDINGS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

Address: 219-223 E. Washington St.  
 City: Ann Arbor  
 Vicinity: Not Reported  
 County: Washtenaw  
 State: MICHIGAN  
 Certdate: 19830908  
 Multname: Not Reported  
 Acre: 0.9+

8  
SSE  
1/2-1 mi  
3294

MI2005NONMAK025  
MI Historic Sites

Street num: Not Reported  
 Street dir: Not Reported  
 Street: Ashley  
 City: Ann Arbor  
 Township: Not Reported  
 Zip code: Not Reported  
 Site key: 2217  
 Name: Not Reported  
 Resource t: building  
 Std add: 416 S Ashley St  
 Std city: Ann Arbor  
 Std zip: 48103  
 Std error: 11  
 Std er det: 11.5,14.1,14.2  
 Add leftov: Not Reported  
 Bound add: 102  
 Bound key: 133  
 Stadd: Y  
 Av add: 416 S ASHLEY ST  
 Av zone: 48103  
 Av status: M  
 Av score: 100  
 Av side: Not Reported  
 Priname: Not Reported  
 Priority: 4  
 Listid: Not Reported  
 Nameid: 97  
 Primary: Yes  
 Geogtype: point  
 Proptypeid: 2534.00000  
 Propertyty: railroad depot  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: adam  
 Locname: Toledo, Ann Arbor and Northern Michigan Railroad Ann Arbor Depot  
 Moreinfo: Not Reported  
 File: srhs-non markers  
 Edr id: MI2005NONMAK025

9  
East  
1/2-1 mi  
3574

MI2005NONMAK259  
MI Historic Sites

# HISTORIC SITES MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)

EDR ID  
 Database

Street num: Not Reported  
 Street dir: Not Reported  
 Street: 306 North Division  
 City: Ann Arbor  
 Township: Not Reported  
 Zip code: Not Reported  
 Site key: 14509  
 Name: Not Reported  
 Resource t: Not Reported  
 Std add: 306 N Division St  
 Std city: Ann Arbor  
 Std zip: 48104  
 Std error: 11  
 Std er det: 11.5,11.8,14.1,14.2  
 Add leftov: Not Reported  
 Bound add: 2550  
 Bound key: 2581  
 Stadd: Y  
 Av add: 306 N DIVISION ST  
 Av zone: 48104  
 Av status: C  
 Av score: 100  
 Av side: Not Reported  
 Priname: Not Reported  
 Priority: 4  
 Listid: Not Reported  
 Nameid: 2588  
 Primary: Yes  
 Geogtype: point  
 Proptypeid: 932.00000  
 Propertyty: church  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: adam  
 Locname: Saint Andrew's Church  
 Moreinfo: Not Reported  
 File: srhs-non markers  
 Edr id: MI2005NONMAK259

C10  
 ESE  
 1/2-1 mi  
 3599

82002886  
 National Register of Hist. Places

Resname: Hoffstetter, Jacob, House  
 Address: 322 E. Washington St.  
 City: Ann Arbor  
 Vicinity: Not Reported  
 County: Washtenaw  
 State: MICHIGAN  
 Certdate: 19820319  
 Multname: Not Reported  
 Acre: 0.9+

D11  
 ESE  
 1/2-1 mi  
 3663

MI2005NRHP01013  
 MI Historic Sites

# HISTORIC SITES MAP FINDINGS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

Street num: 126  
 Street dir: N.  
 Street: Division St.  
 City: Ann Arbor  
 Township: Not Reported  
 Locname: Judge Wilson House  
 Std add: 126 N Division St  
 Zip code: 48104  
 Site key: 69468  
 Name: Not Reported  
 Resource t: building  
 Std error: Not Reported  
 Std zip: 48104  
 Std city: Ann Arbor  
 Std er det: Not Reported  
 Add leftov: Not Reported  
 Bound add: 104981  
 Bound key: 85117  
 Propertyty: Not Reported  
 Stadd: Y  
 Av add: 126 N DIVISION ST  
 Av zone: 48104  
 Av status: M  
 Av score: 100  
 Av side: R  
 Priname: Not Reported  
 Priority: 2  
 Listid: Not Reported  
 Nameid: 3674  
 Primary: Yes  
 Geogtype: point  
 Proptypeid: Not Reported  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: erin  
 Moreinfo: Not Reported  
 Doc: Not Reported  
 District: Not Reported  
 Site id 33: P47485  
 File: nhl-nrhp  
 Edr id: MI2005NRHP01013

D12  
ESE  
1/2-1 mi  
3663

MI2005NRHP00784  
MI Historic Sites

Street num: Not Reported  
 Street dir: Not Reported  
 Street: 126 North Division Street  
 City: Ann Arbor  
 Township: Not Reported  
 Locname: Wilson, Judge Robert S., House  
 Std add: 126 N Division St

# HISTORIC SITES MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)

EDR ID  
 Database

Zip code: Not Reported  
 Site key: 14532  
 Name: Not Reported  
 Resource t: Not Reported  
 Std error: 11  
 Std zip: 48104  
 Std city: Ann Arbor  
 Std er det: 11.8,11.10,14.1,14.2  
 Add leftov: Not Reported  
 Bound add: 2554  
 Bound key: 2585  
 Propertyty: brick house  
 Stadd: Y  
 Av add: 126 N DIVISION ST  
 Av zone: 48104  
 Av status: M  
 Av score: 100  
 Av side: R  
 Priname: Not Reported  
 Priority: 2  
 Listid: Not Reported  
 Nameid: 2592  
 Primary: Yes  
 Geogtype: point  
 Proptypeid: 363  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: erin  
 Moreinfo: Not Reported  
 Doc: Not Reported  
 District: Not Reported  
 Site id 33: P24922  
 File: nhl-nrhp  
 Edr id: MI2005NRHP00784

D13  
 ESE  
 1/2-1 mi  
 3702

72000663  
 National Register of Hist. Places

Resname: Wilson, Judge Robert S., House  
 Address: 126 N. Division St.  
 City: Ann Arbor  
 Vicinity: Not Reported  
 County: Washtenaw  
 State: MICHIGAN  
 Certdate: 19720316  
 Multname: Not Reported  
 Acre: 0.9+

C14  
 ESE  
 1/2-1 mi  
 3728

82002887  
 National Register of Hist. Places

# HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Resname: Methodist Episcopal Church Parsonage Address: 322 E. Washington St. City: Ann Arbor Vicinity: Not Reported County: Washtenaw State: MICHIGAN Certdate: 19820318 Multname: Not Reported Acre: 0.9+	
E15 ESE 1/2-1 mi 3994	Resname: Bennett, Henry, House Address: 312 S. Division St. City: Ann Arbor Vicinity: Not Reported County: Washtenaw State: MICHIGAN Certdate: 19730301 Multname: Not Reported Acre: 0.9+	73000959 National Register of Hist. Places
16 ENE 1/2-1 mi 4008	Resname: Michigan Central Railroad Depot Address: 401 Depot St. City: Ann Arbor Vicinity: Not Reported County: Washtenaw State: MICHIGAN Certdate: 19750310 Multname: Not Reported Acre: 0.9+	75000963 National Register of Hist. Places
E17 ESE 1/2-1 mi 4040	Street num: Not Reported Street dir: Not Reported Street: 312 South Division Street, south of E. Liberty Street City: Ann Arbor Township: Not Reported Locname: Bennett, Henry, House Std add: 312 S Division St	MI2005NRHP00778 MI Historic Sites



# HISTORIC SITES MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)

EDR ID  
 Database

Zip code: Not Reported  
 Site key: 14436  
 Name: Not Reported  
 Resource t: Not Reported  
 Std error: 11  
 Std zip: 48104  
 Std city: Ann Arbor  
 Std er det: 11.6,11.8,11.10,13.1,14.1,14.2  
 Add leftov: Of E Liberty Street  
 Bound add: 2535  
 Bound key: 2566  
 Propertyty: frame house  
 Stadd: Y  
 Av add: 312 S DIVISION ST  
 Av zone: 48104  
 Av status: M  
 Av score: 100  
 Av side: L  
 Priname: Not Reported  
 Priority: 2  
 Listid: Not Reported  
 Nameid: 2573  
 Primary: Yes  
 Geogtype: point  
 Proptypeid: 1892  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: erin  
 Moreinfo: Not Reported  
 Doc: Not Reported  
 District: Not Reported  
 Site id 33: P24903  
 File: nhl-nrhp  
 Edr id: MI2005NRHP00778

F18  
 ESE  
 1/2-1 mi  
 4267

MI2005NRHP00781  
 MI Historic Sites

Street num: Not Reported  
 Street dir: Not Reported  
 Street: 617 East Huron Street  
 City: Ann Arbor  
 Township: Not Reported  
 Locname: Harris Hall  
 Std add: 617 E Huron St  
 Zip code: Not Reported  
 Site key: 14472  
 Name: Not Reported  
 Resource t: Not Reported  
 Std error: 11  
 Std zip: 48104  
 Std city: Ann Arbor

# HISTORIC SITES MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)

EDR ID  
 Database

Std er det: 11.8,11.10,14.1,14.2  
 Add leftov: Not Reported  
 Bound add: 2543  
 Bound key: 2574  
 Propertyty: brick building  
 Stadd: Y  
 Av add: 617 E HURON ST  
 Av zone: 48104  
 Av status: M  
 Av score: 100  
 Av side: L  
 Priname: Not Reported  
 Priority: 2  
 Listid: Not Reported  
 Nameid: 2581  
 Primary: Yes  
 Geogtype: point  
 Proptypeid: 144  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: erin  
 Moreinfo: Not Reported  
 Doc: Not Reported  
 District: Not Reported  
 Site id 33: P24911  
 File: nhl-nrhp  
 Edr id: MI2005NRHP00781

F19  
 ESE  
 1/2-1 mi  
 4396

82002885  
 National Register of Hist. Places

Resname: Harris Hall  
 Address: 617 East Huron St.  
 City: Ann Arbor  
 Vicinity: Not Reported  
 County: Washtenaw  
 State: MICHIGAN  
 Certdate: 19820422  
 Multname: Not Reported  
 Acre: 0.9+

G20  
 ESE  
 1/2-1 mi  
 4456

80001917  
 National Register of Hist. Places

Resname: Michigan Theater Building  
 Address: 521-109 E. Liberty St.  
 City: Ann Arbor  
 Vicinity: Not Reported  
 County: Washtenaw

# HISTORIC SITES MAP FINDINGS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

State: MICHIGAN  
 Certdate: 19801128  
 Multname: Not Reported  
 Acre: 0.9+

F21  
ESE  
1/2-1 mi  
4497

MI2005NRHP00779  
MI Historic Sites

Street num: Not Reported  
 Street dir: Not Reported  
 Street: 100 North State Street  
 City: Ann Arbor  
 Township: Not Reported  
 Locname: First Unitarian Church  
 Std add: 100 N State St  
 Zip code: Not Reported  
 Site key: 14460  
 Name: Not Reported  
 Resource t: Not Reported  
 Std error: 11  
 Std zip: 48104  
 Std city: Ann Arbor  
 Std er det: 11.8,11.10,14.1,14.2  
 Add leftov: Not Reported  
 Bound add: 2540  
 Bound key: 2571  
 Propertyty: church  
 Stadd: Y  
 Av add: 100 N STATE ST  
 Av zone: 48104  
 Av status: M  
 Av score: 100  
 Av side: R  
 Priname: Not Reported  
 Priority: 2  
 Listid: Not Reported  
 Nameid: 2578  
 Primary: Yes  
 Geogtype: point  
 Proptypeid: 931  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: erin  
 Moreinfo: Not Reported  
 Doc: Not Reported  
 District: Not Reported  
 Site id 33: P24908  
 File: nhl-nrhp  
 Edr id: MI2005NRHP00779

F22  
ESE  
1/2-1 mi  
4553

78001513  
National Register of Hist. Places

# HISTORIC SITES MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)

EDR ID  
 Database

Resname: Unitarian Universalist Church  
 Address: 100 N. State St.  
 City: Ann Arbor  
 Vicinity: Not Reported  
 County: Washtenaw  
 State: MICHIGAN  
 Certdate: 19781004  
 Multname: Not Reported  
 Acre: 0.9+

G23  
 ESE  
 1/2-1 mi  
 4614

MI2005NRHP00930  
 MI Historic Sites

Street num: 603  
 Street dir: E  
 Street: Liberty  
 City: Ann Arbor  
 Township: Not Reported  
 Locname: Michigan Theater Building  
 Std add: 603 E. Liberty Street  
 Zip code: 48104  
 Site key: 20814  
 Name: Not Reported  
 Resource t: building  
 Std error: 1  
 Std zip: 48104  
 Std city: Ann Arbor  
 Std er det: 1.1,14.1  
 Add leftov: Not Reported  
 Bound add: 3254  
 Bound key: 3285  
 Propertyty: theater  
 Stadd: Y  
 Av add: 603 ELIBERTY  
 Av zone: 48104  
 Av status: C  
 Av score: 0  
 Av side: Not Reported  
 Priname: Not Reported  
 Priority: 2  
 Listid: Not Reported  
 Nameid: 3258  
 Primary: Yes  
 Geogtype: point  
 Proptypeid: 3008  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: erin  
 Moreinfo: Not Reported  
 Doc: Not Reported  
 District: Not Reported  
 Site id 33: P3829

# HISTORIC SITES MAP FINDINGS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

File: nhl-nrhp  
Edr id: MI2005NRHP00930

H24  
ESE  
1/2-1 mi  
4825

87001180  
National Register of Hist. Places

Resname: Nickels Arcade  
Address: 326--330 S. State St.  
City: Ann Arbor  
Vicinity: Not Reported  
County: Washtenaw  
State: MICHIGAN  
Certdate: 19870709  
Multname: Not Reported  
Acre: 0.9+

H25  
ESE  
1/2-1 mi  
4890

MI2005NRHP00982  
MI Historic Sites

Street num: 326-330  
Street dir: S.  
Street: State  
City: Ann Arbor  
Township: Not Reported  
Locname: Nickels Arcade  
Std add: 326 S State St # 330  
Zip code: Not Reported  
Site key: 40705  
Name: Not Reported  
Resource t: building  
Std error: 11  
Std zip: 48104  
Std city: Ann Arbor  
Std er det: 11.5,12.1,12.3,14.1,14.2  
Add leftov: Not Reported  
Bound add: 3778  
Bound key: 3809  
Propertyty: arcade  
Stadd: Y  
Av add: 326 S STATE ST # 330  
Av zone: 48104  
Av status: C  
Av score: 0  
Av side: Not Reported  
Priname: Not Reported  
Priority: 2  
Listid: Not Reported  
Nameid: 3503  
Primary: Yes

# HISTORIC SITES MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)

EDR ID  
 Database

Geogtype: point  
 Proptypeid: 20  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: erin  
 Moreinfo: Not Reported  
 Doc: Not Reported  
 District: Not Reported  
 Site id 33: P196  
 File: nhl-nrhp  
 Edr id: MI2005NRHP00982

26  
 ESE  
 1/2-1 mi  
 4927

78001514  
 National Register of Hist. Places

Resname: University Of Michigan Central Campus Historic District  
 Address: University of Michigan campus  
 City: Ann Arbor  
 Vicinity: Not Reported  
 County: Washtenaw  
 State: MICHIGAN  
 Certdate: 19780615  
 Multname: Not Reported  
 Acre: 85.0+

I27  
 SE  
 1/2-1 mi  
 5172

72000660  
 National Register of Hist. Places

Resname: Newberry Hall  
 Address: 434 S. State St.  
 City: Ann Arbor  
 Vicinity: Not Reported  
 County: Washtenaw  
 State: MICHIGAN  
 Certdate: 19720324  
 Multname: Not Reported  
 Acre: 1.0+

I28  
 SE  
 1/2-1 mi  
 5235

MI2005NRHP00782  
 MI Historic Sites

Street num: Not Reported  
 Street dir: Not Reported  
 Street: 434 South State Street  
 City: Ann Arbor  
 Township: Not Reported

# HISTORIC SITES MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)

EDR ID  
 Database

Locname:	Newberry Hall
Std add:	434 S State St
Zip code:	Not Reported
Site key:	14489
Name:	Not Reported
Resource t:	Not Reported
Std error:	11
Std zip:	48109
Std city:	Ann Arbor
Std er det:	11.8,11.10,14.1,14.2
Add leftov:	Not Reported
Bound add:	2546
Bound key:	2577
Propertyty:	stone building
Stadd:	Y
Av add:	434 S STATE ST
Av zone:	48109
Av status:	M
Av score:	100
Av side:	L
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	2584
Primary:	Yes
Geogtype:	point
Proptypeid:	2896
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P24914
File:	nhl-nrhp
Edr id:	MI2005NRHP00782

## UNMAPPABLE HISTORIC SITES

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

**Status**  
**EDR ID**  
**Database**

Unmappable  
MI2005NRHP00934  
MI Historic Sites

Street num: 1127  
 Street dir: E  
 Street: Ann Street  
 City: Ann Arbor  
 Township: Not Reported  
 Locname: Anderson, William, House  
 Std add: 1127 EAnn Street  
 Zip code: 48104  
 Site key: 20994  
 Name: Not Reported  
 Resource t: building  
 Std error: 1  
 Std zip: 48104  
 Std city: Ann Arbor  
 Std er det: 1.1,14.1  
 Add leftov: Not Reported  
 Bound add: 3258  
 Bound key: 3289  
 Propertyty: frame house  
 Stadd: Y  
 Av add: 1127 EANN STREET  
 Av zone: 48104  
 Av status: C  
 Av score: 0  
 Av side: Not Reported  
 Priname: Not Reported  
 Priority: 2  
 Listid: Not Reported  
 Nameid: 3262  
 Primary: Yes  
 Geogtype: point  
 Proptypeid: 1966  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: erin  
 Moreinfo: Not Reported  
 Doc: Not Reported  
 District: Not Reported  
 Site id 33: P3856  
 File: nhl-nrhp  
 Edr id: MI2005NRHP00934

Unmappable  
MI2005NRHP00591  
MI Historic Sites

Street num: Not Reported  
 Street dir: Not Reported  
 Street: Corner of 5th Avenue and Huron Street



## UNMAPPABLE HISTORIC SITES

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

Status  
EDR ID  
Database

---

City:	Ann Arbor
Township:	Not Reported
Locname:	Ann Arbor Central Fire Station
Std add:	Corner of 5th Avenue and Huron Street
Zip code:	48104
Site key:	14415
Name:	Not Reported
Resource t:	Not Reported
Std error:	1
Std zip:	48104
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	2532
Bound key:	2563
Propertyty:	fire station
Stadd:	N
Av add:	CORNER OF 5TH AVENUE AND HURON STREET
Av zone:	48104
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	2570
Primary:	Yes
Geogtype:	point
Proptypeid:	1420
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P24899
File:	nhl-nrhp
Edr id:	MI2005NRHP00591

Unmappable  
MI2005NONMAK256  
MI Historic Sites

---

Street num:	Not Reported
Street dir:	Not Reported
Street:	155 Washtenaw Avenue
City:	Ann Arbor
Township:	Not Reported
Zip code:	Not Reported
Site key:	14440
Name:	Not Reported
Resource t:	Not Reported
Std add:	155 Washtenaw Avenue

## UNMAPPABLE HISTORIC SITES

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

Status  
EDR ID  
Database

---

Std city:	Ann Arbor
Std zip:	Not Reported
Std error:	1
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	2536
Bound key:	2567
Stadd:	Y
Av add:	155 WASHTENAW AVENUE
Av zone:	0
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	4
Listid:	Not Reported
Nameid:	2574
Primary:	Yes
Geogtype:	point
Proptypeid:	361.00000
Propertyty:	brick house
Nomatch:	Not Reported
Comments:	Not Reported
G:	adam
Locname:	Campbell, Edward DeMille, House
Moreinfo:	Not Reported
File:	srhs-non markers
Edr id:	MI2005NONMAK256

---

Unmappable  
MI2005NRHP00928  
MI Historic Sites

Street num:	1308
Street dir:	E
Street:	Ann Street
City:	Ann Arbor
Township:	Not Reported
Locname:	Detroit Observatory-University of Michigan
Std add:	1308 EAnn Street
Zip code:	48109
Site key:	20384
Name:	Not Reported
Resource t:	building
Std error:	1
Std zip:	48109
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	3250
Bound key:	3281
Propertyty:	observatory
Stadd:	Y

## UNMAPPABLE HISTORIC SITES

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

Status  
EDR ID  
Database

---

Av add:	1308 EANN STREET
Av zone:	48109
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	3253
Primary:	Yes
Geogtype:	point
Proptypeid:	2438
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P3775
File:	nhl-nrhp
Edr id:	MI2005NRHP00928

---

Unmappable  
MI2005NRHP00932  
MI Historic Sites

Street num:	415
Street dir:	N
Street:	Main
City:	Ann Arbor
Township:	Not Reported
Locname:	Earl, Thomas, House
Std add:	415 NMain
Zip code:	48104
Site key:	20878
Name:	Not Reported
Resource t:	building
Std error:	1
Std zip:	48104
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	3256
Bound key:	3287
Propertyty:	brick house
Stadd:	Y
Av add:	415 NMAIN
Av zone:	48104
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2

## UNMAPPABLE HISTORIC SITES

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

**Status**  
**EDR ID**  
**Database**

---

Listid:	Not Reported
Nameid:	3260
Primary:	Yes
Geogtype:	point
Proptypeid:	417
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P3838
File:	nhl-nrhp
Edr id:	MI2005NRHP00932

---

Unmappable  
MI2005NRHP00933  
MI Historic Sites

Street num:	201-205
Street dir:	S
Street:	Main Street
City:	Ann Arbor
Township:	Not Reported
Locname:	First National Bank Building
Std add:	201-205 SMain Street
Zip code:	48104
Site key:	20917
Name:	Not Reported
Resource t:	building
Std error:	1
Std zip:	48104
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	3257
Bound key:	3288
Propertyty:	office building
Stadd:	Y
Av add:	201-205 SMAIN STREET
Av zone:	48104
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	3261
Primary:	Yes
Geogtype:	point
Proptypeid:	2454
Nomatch:	Not Reported
Comments:	Not Reported

## UNMAPPABLE HISTORIC SITES

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

**Status**  
**EDR ID**  
**Database**

G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P3844
File:	nhl-nrhp
Edr id:	MI2005NRHP00933

Unmappable  
MI2005NRHP00998  
MI Historic Sites

Street num:	207-211
Street dir:	S
Street:	Ashley
City:	Ann Arbor
Township:	Not Reported
Locname:	Germania Building Complex
Std add:	207-211 SASHLEY
Zip code:	48104
Site key:	21184
Name:	Not Reported
Resource t:	building
Std error:	1
Std zip:	48104
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	38459
Bound key:	3294
Propertyty:	brick building
Stadd:	Y
Av add:	207-211 SASHLEY
Av zone:	48104
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	3267
Primary:	Yes
Geogtype:	point
Proptypeid:	177
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P3884
File:	nhl-nrhp
Edr id:	MI2005NRHP00998

## UNMAPPABLE HISTORIC SITES

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

**Status**  
**EDR ID**  
**Database**

Street num: 119-123  
 Street dir: W  
 Street: Washington  
 City: Ann Arbor  
 Township: Not Reported  
 Locname: Germania Building Complex  
 Std add: 119-123 WWashington  
 Zip code: 48104  
 Site key: 21184  
 Name: Not Reported  
 Resource t: building  
 Std error: 1  
 Std zip: 48104  
 Std city: Ann Arbor  
 Std er det: 1.1,14.1  
 Add leftov: Not Reported  
 Bound add: 3263  
 Bound key: 3294  
 Propertyty: brick building  
 Stadd: Y  
 Av add: 119-123 WWASHINGTON  
 Av zone: 48104  
 Av status: C  
 Av score: 0  
 Av side: Not Reported  
 Priname: Not Reported  
 Priority: 2  
 Listid: Not Reported  
 Nameid: 3267  
 Primary: Yes  
 Geogtype: point  
 Proptypeid: 177  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: erin  
 Moreinfo: Not Reported  
 Doc: Not Reported  
 District: Not Reported  
 Site id 33: P3884  
 File: nhl-nrhp  
 Edr id: MI2005NRHP00938

Unmappable  
MI2005NRHP00938  
MI Historic Sites

Street num: 322  
 Street dir: E  
 Street: Washington Street

Unmappable  
MI2005NRHP00936  
MI Historic Sites

## UNMAPPABLE HISTORIC SITES

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

**Status**  
**EDR ID**  
**Database**

---

City:	Ann Arbor
Township:	Not Reported
Locname:	Hoffstetter, Jacob, House
Std add:	322 EWashington Street
Zip code:	48104
Site key:	21147
Name:	Not Reported
Resource t:	building
Std error:	1
Std zip:	48104
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	3261
Bound key:	3292
Propertyty:	brick house
Stadd:	Y
Av add:	322 EWASHINGTON STREET
Av zone:	48104
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	3265
Primary:	Yes
Geogtype:	point
Proptypeid:	418
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P3878
File:	nhl-nrhp
Edr id:	MI2005NRHP00936

Unmappable  
MI2005NRHP01126  
MI Historic Sites

---

Street num:	500
Street dir:	N
Street:	Main Street
City:	Ann Arbor
Township:	Not Reported
Locname:	Kellogg-Warden House
Std add:	500 NMain Street
Zip code:	48104
Site key:	17130
Name:	Not Reported

## UNMAPPABLE HISTORIC SITES

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

Status  
EDR ID  
Database

---

Resource t:	building
Std error:	1
Std zip:	48104
Std city:	Ann Arbor
Std er det:	1.1
Add leftov:	Not Reported
Bound add:	2998
Bound key:	3029
Propertyty:	frame house
Stadd:	Y
Av add:	500 NMAIN STREET
Av zone:	48104
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	3036
Primary:	Yes
Geogtype:	point
Proptypeid:	1933
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P3253
File:	nhl-nrhp
Edr id:	MI2005NRHP01126

---

Unmappable  
MI2005NRHP00931  
MI Historic Sites

Street num:	220
Street dir:	N
Street:	Main Street
City:	Ann Arbor
Township:	Not Reported
Locname:	Main Street Post Office
Std add:	220 NMain Street
Zip code:	48104
Site key:	20863
Name:	Not Reported
Resource t:	building
Std error:	1
Std zip:	48104
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	3255



## UNMAPPABLE HISTORIC SITES

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

Status  
EDR ID  
Database

Bound key: 3286  
 Propertyty: post office  
 Stadd: Y  
 Av add: 220 NMAIN STREET  
 Av zone: 48104  
 Av status: C  
 Av score: 0  
 Av side: Not Reported  
 Priname: Not Reported  
 Priority: 2  
 Listid: Not Reported  
 Nameid: 3259  
 Primary: Yes  
 Geogtype: point  
 Proptypeid: 2517  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: erin  
 Moreinfo: Not Reported  
 Doc: Not Reported  
 District: Not Reported  
 Site id 33: P3836  
 File: nhl-nrhp  
 Edr id: MI2005NRHP00931

Unmappable  
MI2005NRHP00937  
MI Historic Sites

Street num: 332-334  
 Street dir: E  
 Street: Michigan  
 City: Ann Arbor  
 Township: Not Reported  
 Locname: Methodist Episcopal Church Parsonage  
 Std add: 332-334 EMichigan  
 Zip code: Not Reported  
 Site key: 21165  
 Name: Not Reported  
 Resource t: building  
 Std error: 1  
 Std zip: 0  
 Std city: Ann Arbor  
 Std er det: 1.1,14.1  
 Add leftov: Not Reported  
 Bound add: 3262  
 Bound key: 3293  
 Propertyty: frame house  
 Stadd: Y  
 Av add: 332-334 EMICHIGAN  
 Av zone: 0  
 Av status: X  
 Av score: 0

## UNMAPPABLE HISTORIC SITES

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

Status  
EDR ID  
Database

---

Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	3266
Primary:	Yes
Geogtype:	point
Proptypeid:	1968
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P3881
File:	nhl-nrhp
Edr id:	MI2005NRHP00937

---

Unmappable  
MI2005NRHP00929  
MI Historic Sites

Street num:	530
Street dir:	N
Street:	Fifth Avenue
City:	Ann Arbor
Township:	Not Reported
Locname:	Michigan Central Railroad Depot
Std add:	530 NFifth Avenue
Zip code:	48104
Site key:	20537
Name:	Not Reported
Resource t:	building
Std error:	1
Std zip:	48104
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	3252
Bound key:	3283
Propertyty:	railroad depot
Stadd:	Y
Av add:	530 NFIFTH AVENUE
Av zone:	48104
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	3254
Primary:	Yes
Geogtype:	point

## UNMAPPABLE HISTORIC SITES

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

**Status**  
**EDR ID**  
**Database**

Proptypeid: 2586  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: erin  
 Moreinfo: Not Reported  
 Doc: Not Reported  
 District: Not Reported  
 Site id 33: P3795  
 File: nhl-nrhp  
 Edr id: MI2005NRHP00929

Unmappable  
 MI2005NRHP00630  
 MI Historic Sites

Street num: Not Reported  
 Street dir: Not Reported  
 Street: Bounded by W. Huron, W. Washington, W. Liberty and South Main  
 City: Ann Arbor  
 Township: Not Reported  
 Locname: Old West Side Historic District  
 Std add: Bounded by W. Huron, W. Washington, W. Liberty and South Main  
 Zip code: Not Reported  
 Site key: 20360  
 Name: Not Reported  
 Resource t: district  
 Std error: 1  
 Std zip: 0  
 Std city: Ann Arbor  
 Std er det: 1.1,14.1  
 Add leftov: Not Reported  
 Bound add: 3418  
 Bound key: 3449  
 Propertyty: district  
 Stadd: N  
 Av add: Bounded by W. Huron, W. Washington, W. Liberty and South Main  
 Av zone: 0  
 Av status: X  
 Av score: 0  
 Av side: Not Reported  
 Priname: Not Reported  
 Priority: 2  
 Listid: Not Reported  
 Nameid: 2632  
 Primary: Yes  
 Geogtype: area  
 Proptypeid: 1318  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: erin  
 Moreinfo: Not Reported  
 Doc: Not Reported  
 District: Not Reported

## UNMAPPABLE HISTORIC SITES

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

**Status**  
**EDR ID**  
**Database**

Site id 33: P4275  
File: nhl-nrhp  
Edr id: MI2005NRHP00630

Resname: Old West Side Historic District  
Address: Bounded roughly by 7th, Main, and Huron Sts., Pauline Blvd., and Crest Ave.  
City: Ann Arbor  
Vicinity: Not Reported  
County: Washtenaw  
State: MICHIGAN  
Certdate: 19720414  
Multname: Not Reported  
Acre: 250.0+

Unmappable  
72000661  
National Register of Hist. Places

Street num: Not Reported  
Street dir: Not Reported  
Street: East of Ann Arbor at Geddes and Dixboro roads  
City: Ann Arbor vicinity  
Township: Ann Arbor  
Locname: Parker Mill Complex  
Std add: East of Ann Arbor at Geddes and Dixboro roads  
Zip code: Not Reported  
Site key: 14871  
Name: Not Reported  
Resource t: structure  
Std error: 1  
Std zip: 0  
Std city: Ann Arbor vicinity  
Std er det: 1.1,14.1  
Add leftov: Not Reported  
Bound add: 2595  
Bound key: 2626  
Propertyty: mill complex  
Stadd: N  
Av add: EAST OF ANN ARBOR AT GEDDES AND DIXBORO ROADS  
Av zone: 0  
Av status: C  
Av score: 0  
Av side: Not Reported  
Priname: Not Reported  
Priority: 2  
Listid: Not Reported

Unmappable  
MI2005NRHP00593  
MI Historic Sites

## UNMAPPABLE HISTORIC SITES

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

**Status**  
**EDR ID**  
**Database**

Nameid: 2645  
 Primary: Yes  
 Geogtype: line  
 Proptypeid: 2402  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: erin  
 Moreinfo: Not Reported  
 Doc: Not Reported  
 District: Not Reported  
 Site id 33: P24964  
 File: nhl-nrhp  
 Edr id: MI2005NRHP00593

Unmappable  
82002888  
National Register of Hist. Places

Resname: Parker Mill Complex  
 Address: E of Ann Arbor at Geddes and Dixboro Rds.  
 City: Ann Arbor  
 Vicinity: X  
 County: Washtenaw  
 State: MICHIGAN  
 Certdate: 19820804  
 Multname: Not Reported  
 Acre: 11.0+

Unmappable  
MI2005NRHP00783  
MI Historic Sites

Street num: Not Reported  
 Street dir: Not Reported  
 Street: 815 South University (University of Michigan campus)  
 City: Ann Arbor  
 Township: Not Reported  
 Locname: President's House, University of Michigan  
 Std add: 815 South University (University of Michigan campus)  
 Zip code: 48109  
 Site key: 14502  
 Name: Not Reported  
 Resource t: building  
 Std error: 1  
 Std zip: 48109  
 Std city: Ann Arbor  
 Std er det: 1.1,14.1  
 Add leftov: Not Reported  
 Bound add: 2549  
 Bound key: 2580  
 Propertyty: brick house

## UNMAPPABLE HISTORIC SITES

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

Status  
EDR ID  
Database

---

Stadd:	Y
Av add:	815 SOUTH UNIVERSITY (UNIVERSITY OF MICHIGAN CAMPUS)
Av zone:	48109
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	2587
Primary:	Yes
Geogtype:	point
Proptypeid:	362
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P24917
File:	nhl-nrhp
Edr id:	MI2005NRHP00783

---

Unmappable  
MI2005NRHP00594  
MI Historic Sites

Street num:	Not Reported
Street dir:	Not Reported
Street:	Northfield Church and Whitmore Lake roads
City:	Ann Arbor vicinity
Township:	Northfield
Locname:	Saint Patrick's Parish Complex
Std add:	Northfield Church and Whitmore Lake roads
Zip code:	48105
Site key:	14960
Name:	Not Reported
Resource t:	Not Reported
Std error:	1
Std zip:	48105
Std city:	Ann Arbor vicinity
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	2603
Bound key:	2634
Propertyty:	religious complex
Stadd:	N
Av add:	NORTHFIELD CHURCH AND WHITMORE LAKE ROADS
Av zone:	48105
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported

## UNMAPPABLE HISTORIC SITES

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

**Status**  
**EDR ID**  
**Database**

Priority: 2  
 Listid: Not Reported  
 Nameid: 2653  
 Primary: Yes  
 Geogtype: point  
 Proptypeid: 2602  
 Nomatch: Not Reported  
 Comments: Not Reported  
 G: erin  
 Moreinfo: Not Reported  
 Doc: Not Reported  
 District: Not Reported  
 Site id 33: P24974  
 File: nhl-nrhp  
 Edr id: MI2005NRHP00594

Unmappable  
 MI2005NRHP00592  
 MI Historic Sites

Street num: Not Reported  
 Street dir: Not Reported  
 Street: University of Michigan campus  
 City: Ann Arbor  
 Township: Not Reported  
 Locname: University of Michigan Central Campus Historic District  
 Std add: University of Michigan campus  
 Zip code: Not Reported  
 Site key: 14521  
 Name: Not Reported  
 Resource t: district  
 Std error: 1  
 Std zip: 0  
 Std city: Ann Arbor  
 Std er det: 1.1,14.1  
 Add leftov: Not Reported  
 Bound add: 2552  
 Bound key: 2583  
 Propertyty: district  
 Stadd: N  
 Av add: UNIVERSITY OF MICHIGAN CAMPUS  
 Av zone: 0  
 Av status: X  
 Av score: 0  
 Av side: Not Reported  
 Priname: Not Reported  
 Priority: 2  
 Listid: Not Reported  
 Nameid: 2590  
 Primary: Yes  
 Geogtype: area  
 Proptypeid: 1301  
 Nomatch: Not Reported

## UNMAPPABLE HISTORIC SITES

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

**Status**  
**EDR ID**  
**Database**

Comments: Not Reported  
 G: erin  
 Moreinfo: Not Reported  
 Doc: Not Reported  
 District: Not Reported  
 Site id 33: P24920  
 File: nhl-nrhp  
 Edr id: MI2005NRHP00592

Unmappable  
 78001514  
 National Register of Hist. Places

Resname: University Of Michigan Central Campus Historic District  
 Address: University of Michigan campus  
 City: Ann Arbor  
 Vicinity: Not Reported  
 County: Washtenaw  
 State: MICHIGAN  
 Certdate: 19780615  
 Multname: Not Reported  
 Acre: 85.0+

Unmappable  
 MI2005NRHP00935  
 MI Historic Sites

Street num: 219-223  
 Street dir: E  
 Street: Washington  
 City: Ann Arbor  
 Township: Not Reported  
 Locname: Weinmann Block  
 Std add: 219-223 EWashington  
 Zip code: 48104  
 Site key: 21141  
 Name: Not Reported  
 Resource t: building  
 Std error: 1  
 Std zip: 48104  
 Std city: Ann Arbor  
 Std er det: 1.1,14.1  
 Add leftov: Not Reported  
 Bound add: 3260  
 Bound key: 3291  
 Propertyty: brick building  
 Stadd: Y  
 Av add: 219-223 EWASHINGTON  
 Av zone: 48104  
 Av status: C  
 Av score: 0



## UNMAPPABLE HISTORIC SITES

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













Status  
EDR ID  
Database

---

Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	3264
Primary:	Yes
Geogtype:	point
Proptypeid:	176
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P3877
File:	nhl-nrhp
Edr id:	MI2005NRHP00935

# Flood Plain Map



-  Major Roads
-  Contour Lines
-  Waterways
-  County Boundary
-  Power Lines
-  Pipe Lines
-  Fault Lines
-  Water
-  100-year flood zone
-  500-year flood zone
-  Electronic FEMA data available
-  Electronic FEMA data not available

SITE NAME: Miller Manor  
 ADDRESS: 727 Miller Ave  
 Ann Arbor MI 48103  
 LAT/LONG: 42.2849 / 83.7567

CLIENT: The Mannik & Smith Group  
 CONTACT: Michelle Henn  
 INQUIRY #: 3590231.1s  
 DATE: April 29, 2013

# FLOOD PLAIN MAP FINDINGS

Source: FEMA DFIRM Flood Data, FEMA Q3 Flood Data

County	FEMA flood data electronic coverage
--------	-------------------------------------

WASHTENAW, MI

NO

Flood Plain panel at target property:













None Reported

Additional Flood Plain panel(s) in search area:

None Reported

# National Wetlands Inventory Map



-  Major Roads
-  Contour Lines
-  Waterways
-  County Boundary
-  Power Lines
-  Pipe Lines
-  Fault Lines
-  Water
-  National Wetlands Inventory
-  State Wetlands
-  Electronic NWI data available
-  Electronic NWI data not available

SITE NAME: Miller Manor  
 ADDRESS: 727 Miller Ave  
 Ann Arbor MI 48103  
 LAT/LONG: 42.2849 / 83.7567

CLIENT: The Mannik & Smith Group  
 CONTACT: Michelle Henn  
 INQUIRY #: 3590231.1s  
 DATE: April 29, 2013

## WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Ann Arbor West

Additional NWI hardcopy map(s) in search area:

Ann Arbor East

Map ID

Direction

Distance

Distance (ft.)

Code and Description\*

Database

Map ID	Direction	Distance	Distance (ft.)	Code and Description*	Database
1	ENE	1/2-1 mi	3458	R2UBH [R] Riverine, [2] Lower Perennial, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 42.289845 / -83.745804	NWI
2	NE	1/2-1 mi	3493	L1UBHh [L] Lacustrine, [1] Limnetic, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 42.290497 / -83.746231	NWI
3	ENE	1/2-1 mi	3805	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 42.290611 / -83.744934	NWI
4	ENE	1/2-1 mi	4591	R2UBH [R] Riverine, [2] Lower Perennial, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 42.288467 / -83.740440	NWI
5	ENE	1/2-1 mi	4698	PUBG [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed Lat/Lon: 42.288177 / -83.739914	NWI

\*See Wetland Classification System for additional information.

# WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- to describe ecological units that have certain homogeneous natural attributes,
- to arrange these units in a system that will aid decisions about resource management,
- to furnish units for inventory and mapping, and
- to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

1. marine
2. estuarine
3. riverine
4. lacustrine
5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.

**SYSTEM**

**MARINE**

**SUBSYSTEM**

**1 - SUBTIDAL**

**2 - INTERTIDAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom	AB-AQUATIC BED	RF-REEF	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm		1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

**SYSTEM**

**E - ESTUARINE**

**SUBSYSTEM**

**1 - SUBTIDAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	

**SUBSYSTEM**

**2 - INTERTIDAL**

CLASS	AB-AQUATIC BED	RF-REEF	SB - STREAMBED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	SS-SCRUB SHRUB	FO-FORESTED
Subclass	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

**SYSTEM**

**R - RIVERINE**

**SUBSYSTEM**

**1 - TIDAL      2 - LOWER PERENNIAL      3 - UPPER PERENNIAL      4 - INTERMITTENT      5 - UNKNOWN PERENNIAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	*SB-STREAMBED	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	**EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

\* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.  
 \*\*EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

**SYSTEM**

**L - LACUSTRINE**

**SUBSYSTEM**

**1 - LIMNETIC**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

**SUBSYSTEM**

**2 - LITTORAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	



**SUBSYSTEM**

**P - PALUSTRINE**

CLASS	RB--ROCK BOTTOM	UB--UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	US--UNCONSOLIDATED SHORE	ML--MOSS- LICHEN	EM--EMERGENT	SS--SCRUB-SHRUB	FO--FORESTED	OW-OPEN WATER/ Unknown
Bottom									
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	

**MODIFIERS**

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal Halinity	Inland Salinity	pH	all Fresh Water			
A Temporarily Flooded	H Permanently Flooded	K Artificially Flooded	*S Temporary-Tidal		1 Hyperhaline	7 Hypersaline	g Organic	b Beaver
B Saturated	J Intermittently Flooded	L Subtidal	*R Seasonal-Tidal		2 Euhaline	8 Eusaline	n Mineral	d Partially Drained/Ditched
C Seasonally Flooded	K Artificially Flooded	M Irregularly Exposed	*T Semipermanent -Tidal		3 Mixohaline (Brackish)	9 Mixosaline	a Acid	f Farmed
D Seasonally Flooded/ Well Drained	W Intermittently Flooded/Temporary	N Regularly Flooded	V Permanent -Tidal		4 Polyhaline	0 Fresh	t Circumneutral	h Diked/Impounded
E Seasonally Flooded/ Saturated	Y Saturated/Semipermanent/ Seasonal	P Irregularly Flooded	U Unknown		5 Mesohaline		i Alkaline	r Artificial Substrate
F Semipermanently Flooded	Z Intermittently Exposed/Permanent	*These water regimes are only used in tidally influenced, freshwater systems.			6 Oligohaline			s Spoil
G Intermittently Exposed	U Unknown				0 Fresh			x Excavated

# FCC & FAA Sites Map



-  Streets
-  Contour Lines
-  County Boundary
-  Waterways
-  Power Lines
-  Water
-  Sites



SITE NAME: Miller Manor  
 ADDRESS: 727 Miller Ave  
 Ann Arbor MI 48103  
 LAT/LONG: 42.2849 / 83.7567

CLIENT: The Mannik & Smith Group  
 CONTACT: Michelle Henn  
 INQUIRY #: 3590231.1s  
 DATE: April 29, 2013

# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

1  
NNW  
1/2-1 mi  
4102

ANT200000096106  
ANTREG

Regnum: 1000396  
 Filenum: A0615768  
 Issuedate: 12/3/2008  
 Entity: ANN ARBOR, CITY OF  
 Lat dms: 42,17,43  
 Lat dir: 1  
 Lon dms: 83,45,45  
 Lon dir: -1  
 Dd temp: 42.2953  
 Dd temp0: -83.7625  
 Strucht: 57  
 Strucadd: 919 SUNSET  
 Struccity: ANN ARBOR  
 Strucstate: MI  
 Faastudy: Not Reported  
 Faacirc: Not Reported  
 Lcid: L00032534  
 Contname: CHUCK FOJTIK  
 Contadd: 4251 STONE SCHOOL RD  
 Contpo: Not Reported  
 Contcity: ANN ARBOR  
 Contstate: MI  
 Contzip: 48108  
 Edr id: ANT200000096106

This record is for a license, and it may or may not indicate a site which has been built.

# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

A2  
ESE  
1/2-1 mi  
4589

TOW10000061063  
TOWER

Tower id: 47289  
 City: ANN ARBOR  
 Date active: Jun 20 1990  
 Date const: 06/20/1988  
 Date faa: May 20 1988  
 Date fcc: Not Reported  
 Hgt antenna: 0.0000  
 Hgt antenna (M): 0.0000  
 Hgt beacon: 0.0000  
 Hgt beacon (M): 0.0000  
 Elevation: 1181.0000  
 Elev FAA: 1181.0000  
 Elev FAA (M): 360.0000  
 Elev (M): 360.0000  
 Hgt structure: 309.0000  
 Hgt struc faa: 309.0000  
 Hgt stru faa (M): 94.2000  
 Hgt struc (M): 94.2000  
 Supporting Struc Hgt: 0.0000  
 Supp. Struct Hgt (M): 0.0000  
 Tower Hgt: 309.0000  
 Tower (M): 94.2000  
 Id asb acc: Y  
 Faa id: 88-AGL-680-OE  
 File num: Not Reported  
 Name owner: TELETECH, INC.  
 State: MI  
 Address: 555 E. WILLIAM ST.  
 Action: MOD  
 Type stru: BTW  
 Type tower: E  
 Key site: 60572  
 Id exam: ASB4  
 Xmit lat: 421641  
 Xmit long: 0834433  
 Lat deg: 42  
 Lat min: 16  
 Lat sec: 41  
 Lat second: 152201  
 Long deg: 83  
 Long min: 44  
 Long sec: 33  
 Long secon: 301473  
 Key rem: Not Reported  
 The date: Not Reported  
 Type pl: 1 11 21 3  
 Spec cond1: Not Reported

# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

Spec cond2: Not Reported  
Remarks: Not Reported  
Edr id: TOW100000061063

This record is for a license, and it may or may not indicate a site which has been built.

A3  
ESE  
1/2-1 mi  
4616

ANT200000095966  
ANTREG

Regnum: 1256888  
Filenum: A0535966  
Issuedate: 1/25/2007  
Entity: TELETECH, INC.  
Lat dms: 42,16,40.7  
Lat dir: 1  
Lon dms: 83,44,32.5  
Lon dir: -1  
Dd temp: 42.278  
Dd temp0: -83.7424  
Strucht: 79.2  
Strucadd: 555 E WILLIAM ST  
Struccity: ANN ARBOR  
Strucstate: MI  
Faastudy: 2006-AGL-7794-OE  
Faacirc: Not Reported  
Lcid: L00018283  
Contname: MARK W DOBRONSKI  
Contadd: Not Reported  
Contpo: 85567  
Contcity: WESTLAND  
Contstate: MI  
Contzip: 481850567  
Edr id: ANT200000095966

This record is for a license, and it may or may not indicate a site which has been built.

# FCC & FAA SITES MAP FINDINGS TOWERS

**Map ID**  
**Direction**  
**Distance**  
**Distance (ft.)**

**EDR ID**  
**Database**

A4  
 SE  
 1/2-1 mi  
 4640

TOW100000061059  
 TOWER

Tower id: 47283  
 City: ANN ARBOR  
 Date active: Mar 23 1973  
 Date const: 99/99/1999  
 Date faa: Oct 20 1972  
 Date fcc: Dec 19 1972  
 Hgt antenna: 0.0000  
 Hgt antenna (M): 0.0000  
 Hgt beacon: 0.0000  
 Hgt beacon (M): 0.0000  
 Elevation: 1164.0000  
 Elev FAA: 1169.0000  
 Elev FAA (M): 356.3000  
 Elev (M): 354.8000  
 Hgt structure: 290.0000  
 Hgt struc faa: 295.0000  
 Hgt stru faa (M): 89.9000  
 Hgt struc (M): 88.4000  
 Supporting Struc Hgt: 0.0000  
 Supp. Struct Hgt (M): 0.0000  
 Tower Hgt: 0.0000  
 Tower (M): 0.0000  
 Id asb acc: Y  
 Faa id: 72-GL-1261-OE  
 File num: 4599-C1-MP-73  
 Name owner: Not Reported  
 State: MI  
 Address: 555 E WILLIAM ST  
 Action: OLD  
 Type stru: BTW  
 Type tower: E  
 Key site: 60567  
 Id exam: Not Reported  
 Xmit lat: 421639  
 Xmit long: 0834434  
 Lat deg: 42  
 Lat min: 16  
 Lat sec: 39  
 Lat second: 152199  
 Long deg: 83  
 Long min: 44  
 Long sec: 34  
 Long secon: 301474  
 Key rem: Not Reported  
 The date: Not Reported  
 Type pl: 1 2 21  
 Spec cond1: Not Reported

# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

Spec cond2: Not Reported  
Remarks: Not Reported  
Edr id: TOW100000061059

This record is for a license, and it may or may not indicate a site which has been built.

A5  
ESE  
1/2-1 mi  
4643

ANT200000095969  
ANTREG

Regnum: 1002150  
 Filenum: A0252558  
 Issuedate: 3/27/2002  
 Entity: Capstar Radio Operating Company  
 Lat dms: 42,16,41  
 Lat dir: 1  
 Lon dms: 83,44,32  
 Lon dir: -1  
 Dd temp: 42.2781  
 Dd temp0: -83.7422  
 Strucht: 74  
 Strucadd: 555 E WILLIAMS ST  
 Struccity: ANN ARBOR  
 Strucstate: MI  
 Faastudy: 93-AGL-2209-OE  
 Faacirc: Not Reported  
 Lcid: L00166590  
 Contname: WQKL - 47117 - Ann Arbor, MI  
 Contadd: 2625 S. Memorial Drive, Suite A  
 Contpo: Not Reported  
 Contcity: Tulsa  
 Contstate: OK  
 Contzip: 74129  
 Edr id: ANT200000095969

This record is for a license, and it may or may not indicate a site which has been built.

# FCC & FAA SITES MAP FINDINGS TOWERS

**Map ID**  
**Direction**  
**Distance**  
**Distance (ft.)**

**EDR ID**  
**Database**

A6  
 ESE  
 1/2-1 mi  
 4644

DOF200000110466  
 NOAA\_DOF

Obstacle n:	26-000798
O or u:	O
Country:	US
State:	MI
City:	ANN ARBOR
Lat deg:	42
Lat min:	16
Lat sec:	40.80N
Lon deg:	83
Lon min:	44
Lon sec:	32.20W
Obstacle type:	BLDG-TWR
Quantity:	1
Agl ht:	313
Amsl ht:	1187
Lighting:	R
Horiz acc:	5
Vert acc:	D
Marking:	N
Faa num:	2001AGL051160E
Action:	Change
Action Date:	2007168 32
Edr id:	DOF200000110466



# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

A7  
ESE  
1/2-1 mi  
4648

FM0000000013704  
FM\_ANTENNA

Callsign: WQKL  
Frequency: 107.1 MHz  
Service: FM  
Class: A  
Status: LIC  
City: ANN ARBOR  
State: MI  
Country: US  
Filenum: BLH -19911119KA  
Facid: 47117  
Lat: 42-16-41N  
Lon: 83-44-32W  
Licensee: CAPSTAR TX LLC  
Latdd: 42.2781  
Londd: 83.7422  
Edr id: FM0000000013704

This record is for a license, and it may or may not indicate a site which has been built.

A8  
ESE  
1/2-1 mi  
4651

TOW100000008802  
TOWER

Tower id: 113674  
City: ANN ARBOR  
Date active: Feb 15 1994  
Date const: 99/99/1999  
Date faa: Jul 28 1993  
Date fcc: Sep 1 1993  
Hgt antenna: 10.0000  
Hgt antenna (M): 3.0000  
Hgt beacon: 0.0000  
Hgt beacon (M): 0.0000  
Elevation: 1173.0000  
Elev FAA: 1173.0000  
Elev FAA (M): 357.5000  
Elev (M): 357.5000  
Hgt structure: 303.0000  
Hgt struc faa: 303.0000  
Hgt stru faa (M): 92.4000  
Hgt struc (M): 92.4000  
Supporting Struc Hgt: 243.0000  
Supp. Struct Hgt (M): 74.1000  
Tower Hgt: 50.0000  
Tower (M): 15.2000

# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

Id asb acc: W  
Faa id: 93-AGL-2209-OE  
File num: 28579-CD-ML-93  
Name owner: PAGING NETWORK OF MICHIGAN INC  
State: MI  
Address: 555 EAST WILLIAM ST  
Action: MOD  
Type stru: BTW  
Type tower: E  
Key site: 60571  
Id exam: PRB5  
Xmit lat: 421641  
Xmit long: 0834432  
Lat deg: 42  
Lat min: 16  
Lat sec: 41  
Lat second: 152201  
Long deg: 83  
Long min: 44  
Long sec: 32  
Long secon: 301472  
Key rem: Not Reported  
The date: Not Reported  
Type pl: 1 2  
Spec cond1: Not Reported  
Spec cond2: Not Reported  
Remarks: Not Reported  
Edr id: TOW10000008802

This record is for a license, and it may or may not indicate a site which has been built.

# FCC & FAA SITES MAP FINDINGS TOWERS

**Map ID**  
**Direction**  
**Distance**  
**Distance (ft.)**

**EDR ID**  
**Database**

B9  
 ESE  
 1/2-1 mi  
 5216

DOF200000110479  
 NOAA\_DOF

Obstacle n:	26-000905
O or u:	O
Country:	US
State:	MI
City:	ANN ARBOR
Lat deg:	42
Lat min:	16
Lat sec:	46.00N
Lon deg:	83
Lon min:	44
Lon sec:	20.00W
Obstacle type:	BLDG
Quantity:	1
Agl ht:	212
Amsl ht:	1092
Lighting:	N
Horiz acc:	1
Vert acc:	D
Marking:	N
Faa num:	Not Reported
Action:	Change
Action Date:	1979198 21
Edr id:	DOF200000110479

# FCC & FAA SITES MAP FINDINGS

## TOWERS

**Map ID**  
**Direction**  
**Distance**  
**Distance (ft.)**

**EDR ID**  
**Database**

B10  
 ESE  
 1/2-1 mi  
 5226

TOW100000061069  
 TOWER

Tower id:	47297
City:	ANN ARBOR
Date active:	Mar 8 1966
Date const:	Not Reported
Date faa:	Not Reported
Date fcc:	Feb 17 1966
Hgt antenna:	0.0000
Hgt antenna (M):	0.0000
Hgt beacon:	0.0000
Hgt beacon (M):	0.0000
Elevation:	1079.0000
Elev FAA:	0.0000
Elev FAA (M):	0.0000
Elev (M):	328.9000
Hgt structure:	198.8000
Hgt struc faa:	0.0000
Hgt stru faa (M):	0.0000
Hgt struc (M):	60.6000
Supporting Struc Hgt:	0.0000
Supp. Struct Hgt (M):	0.0000
Tower Hgt:	0.0000
Tower (M):	0.0000
Id asb acc:	W
Faa id:	Not Reported
File num:	25251 IB 26
Name owner:	Not Reported
State:	MI
Address:	BARTON BLDG UNIV MICH
Action:	OLD
Type stru:	TOW
Type tower:	E
Key site:	60578
Id exam:	Not Reported
Xmit lat:	421646
Xmit long:	0834420
Lat deg:	42
Lat min:	16
Lat sec:	46
Lat second:	152206
Long deg:	83
Long min:	44
Long sec:	20
Long secon:	301460
Key rem:	Not Reported
The date:	Not Reported
Type pl:	1 11 21 3
Spec cond1:	Not Reported

# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

---

Spec cond2: Not Reported  
Remarks: Not Reported  
Edr id: TOW10000061069

This record is for a license, and it may or may not indicate a site which has been built.

# FCC & FAA SITES MAP FINDINGS AIRPORTS

EDR ID  
Database

---

No Sites Reported.

# FCC & FAA SITES MAP FINDINGS POWERLINES

EDR ID  
Database

---

No Sites Reported.

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

### **NATURAL AREAS**

#### **Officially designated wilderness areas**

##### Government Records Searched in This Report

FED\_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

##### Federal Contacts for Additional Information

USDA Forest Service, Eastern  
310 West Wisconsin Avenue  
Milwaukee, WI 53203  
414-297-3693

BLM - Eastern States Office  
7450 Boston Blvd.  
Springfield, VA 22153  
703-440-1713

Fish & Wildlife Service, Region 3  
BHW Federal Building One Federal Drive  
Fort Snelling, MN 55111-4056  
612-713-5230

#### **Officially designated wildlife preserves, sanctuaries and refuges**

##### Government Records Searched in This Report

FED\_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005



## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

### MI Park Facilities: Facilities Database

Dept. of Natural Resources facilities for the state of Michigan. Facilities include: linear state parks, state parks, state game areas, wildlife research areas, state forest, and state fish hatcheries.

Source: Department of Natural Resources.

Telephone: 517-373-2534

### Federal Contacts for Additional Information

Fish & Wildlife Service, Region 3  
BHW Federal Building One Federal Drive  
Fort Snelling, MN 55111-4056  
612-713-5230

### State Contacts for Additional Information

Dept. of Natural Resources 517-373-1280

### **Wild and scenic rivers**

#### Government Records Searched in This Report

##### FED\_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

### Federal Contacts for Additional Information

Fish & Wildlife Service, Region 3  
BHW Federal Building One Federal Drive  
Fort Snelling, MN 55111-4056  
612-713-5230

### **Endangered Species**

#### Government Records Searched in This Report

##### Endangered Species Protection Program Database

A listing of endangered species by county.

Source: Environmental Protection Agency

Telephone: 703-305-5239

### Federal Contacts for Additional Information

Fish & Wildlife Service, Region 3  
BHW Federal Building One Federal Drive  
Fort Snelling, MN 55111-4056  
612-713-5230

### State Contacts for Additional Information

Natural Features Inventory 517-373-1552

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

### **LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES**

#### **Historic Places**

##### Government Records Searched in This Report

##### National Register of Historic Places:

The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.

The National Register includes:

- All prehistoric and historic units of the National Park System;
- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and
- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 03/23/2006

MI Historic Sites: National Historic Landmarks National and State Register Listings

Listing of historic sites included on the National and State Register.

Source: State Historic Preservation Office. Michigan Historical Center

Telephone: 517-373-1630

##### Federal Contacts for Additional Information

Park Service; Advisory Council on Historic Preservation

1849 C Street NW

Washington, DC 20240

Phone: (202) 208-6843

##### State Contacts for Additional Information

State Historic Preservation Office 517-373-1630

### **Indian Religious Sites**

#### Government Records Searched in This Report

##### Indian Reservations:

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

Source: USGS

Phone: 888-275-8747

Date of Government Version: 12/31/2005

##### Federal Contacts for Additional Information

Department of the Interior- Bureau of Indian Affairs

Office of Public Affairs

1849 C Street, NW

Washington, DC 20240-0001

Office: 202-208-3711

Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers

1411 K Street NW, Suite 700

Washington, DC 20005

Phone: 202-628-8476

Fax: 202-628-2241

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

### State Contacts for Additional Information

A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at:  
<http://www.doi.gov/bia/areas/agency.html>

Minneapolis Area Office, Bureau of Indian Affairs  
331 S. Second Avenue  
Minneapolis, MN 55401  
612-373-1000

### **Scenic Trails**

### State Contacts for Additional Information

North County Trail Association  
49 Monroe Center Suite 200B  
Grand Rapids, Michigan 49503  
616-454-5506

### **FLOOD PLAIN, WETLANDS AND COASTAL ZONE**

#### **Flood Plain Management**

#### Government Records Searched in This Report

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

#### Federal Contacts for Additional Information

Federal Emergency Management Agency 877-3362-627

#### State Contacts for Additional Information

Dept. of State Police, Emergency Management Div. 517-333-5041

#### **Wetlands Protection**

#### Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2004 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory  
Source: Department of Natural Resources  
Telephone: 517-241-2254

#### Federal Contacts for Additional Information

Fish & Wildlife Service 813-570-5412

#### State Contacts for Additional Information

Dept. of Natural Resources 517-373-1280

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

### **Coastal Zone Management**

#### Government Records Searched in This Report

##### **CAMA Management Areas**

Dept. of Env., Health & Natural Resources  
919-733-2293

#### Federal Contacts for Additional Information

##### **Office of Ocean and Coastal Resource Management**

N/ORM, SSMC4  
1305 East-West Highway  
Silver Spring, Maryland 20910  
301-713-3102

#### State Contacts for Additional Information

Land & Water Management Division 517-373-1950

### **FCC & FAA SITES MAP**

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

#### Government Records Searched in This Report

##### **Cellular**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

##### **4G Cellular**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

##### **Antenna Structure Registration**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

##### **Towers**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

##### **AM Antenna**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

### **FM Antenna**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

### **FAA Digital Obstacle File**

Federal Aviation Administration (FAA)  
1305 East-West Highway, Station 5631  
Silver Spring, MD 20910-3281  
Telephone: 301-713-2817  
Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

### **Airport Landing Facilities**

Federal Aviation Administration  
Telephone (800) 457-6656  
Private and public use landing facilities.

### **Electric Power Transmission Line Data**

Rextag Strategies Corp.  
14405 Walters Road, Suite 510  
Houston, TX 77014  
281-769-2247  
U.S. Electric Transmission and Power Plants systems Digital GIS Data.

### **Excessive Radio Frequency Emission**

For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

### Federal Contacts for Additional Information

Office of Engineering and Technology  
Federal Communications Commission  
445 12th Street SW  
Washington, DC 20554  
Phone: 202-418-2470

### **OTHER CONTACT SOURCES**

#### **NEPA Single Point of Contact**

State Contacts for Additional Information  
Southeast Michigan Council of Governments  
660 Plaza Drive  
Suite 1900  
Detroit, MI 48226  
313-961-4266

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

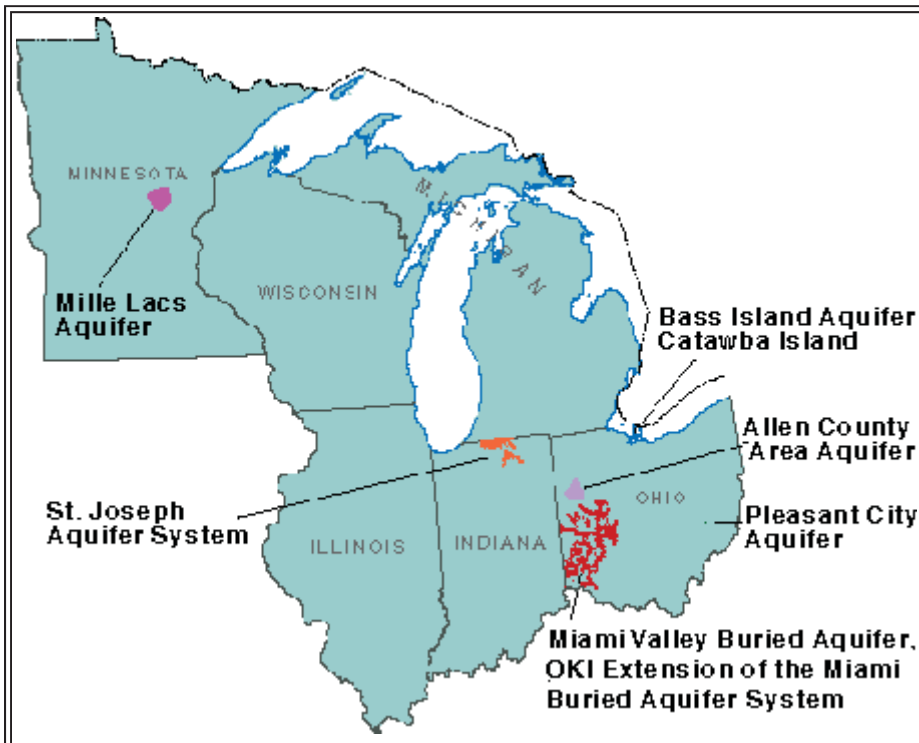
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DESIGNATED SOLE SOURCE AQUIFERS IN EPA REGION 5 MAP



# DESIGNATED SOLE SOURCE AQUIFERS IN EPA REGION V

Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin



Thomas Poy  
Ground Water Branch, US EPA Region 5  
77 W. Jackson Blvd.  
Chicago, IL 60604  
phone: (312) 886-5991  
email: [poy.thomas@epa.gov](mailto:poy.thomas@epa.gov)

*Contact the coordinator above for more information.*

## DESIGNATED SOLE SOURCE AQUIFERS IN REGION V:

State	Sole Source Aquifer Name	Federal Register Cit.	Public. Date	GIS map
IN	St. Joseph Aquifer System	53 FR 23682	06/23/88	no
MN	Mille Lacs Aquifer	55 FR 43407	10/29/90	no
OH	Pleasant City Aquifer	52 FR 32342	08/27/87	yes
OH	Bass Island Aq., Catawba Island	52 FR 37009	10/02/87	yes
OH	Miami Valley Buried Aquifer	53 FR 15876	05/04/88	yes
OH	OKI extension of the Miami Buried Valley Aquifer	53 FR 25670	07/08/88	yes
OH	Allan County Area Combined Aquifer System	57 FR 53111	11/06/92	yes



MICHIGAN COUNTY COASTAL ZONE MANAGEMENT





[close print view](#)

## Coastal Zone Boundary Maps

The links listed below show Michigan's coastal zone boundaries.

### Alcona

- [Harrisville and Greenbush Townships](#)
- [Alcona and Haynes Township](#)

### Alger

- [Burt Township](#)
- [Grand Island and Munising Townships, City of Munising](#)
- [Onota and Au Train Townships](#)

### Allegan

- [Ganges and Casco Townships](#)
- [Laketown, Saugatuck and Manlius Townships and South Haven](#)

### Alpena

- [Alpena and Sanborn Townships](#)
- [Alpena Township and City of Alpena](#)

### Antrim

- [Banks and Torch Lake Townships](#)
- [Milton and Elk Rapids Townships](#)

### Arenac

- [Standish, Arenac and Au Gres Townships](#)
- [Whitney, Sims and Au Gres Townships](#)

### Baraga

- [Arvon Township](#)
- [Baraga and L'Anse Townships](#)

### Bay

- [Bangor, Hampton, Merritt, Portsmouth and Frankenlust Townships and Bay City and Essexville](#)
- [Bangor, Kawkawlin and Fraser Townships](#)
- [Pinconning Township](#)

### Benzie

- [Lake Township](#)
- [Crystal Lake, Gilmore and Blaine Townships and City of Frankfort](#)

### Berrien

- [Hagar, Benton and St. Joseph Townships and Benton Harbor and St. Joseph](#)
- [Lincoln and Lake Townships and the city of Bridgman](#)
- [New Buffalo and Chikaming Townships and New Buffalo](#)

### Charlevoix

- [Bay, Charlevoix and Hayes Townships](#)
- [Charlevoix County, Beaver Island Group](#)
- [Eveline, South Arm, East Jordan, Evangeline and Wilson Townships and Boyne City](#)

- [Norwood Township](#)

#### **Cheboygan**

- [Benton Township and City of Cheboygan](#)
- [Mackinaw, Hebron and Beaugrand Townships](#)

#### **Chippewa**

- [Bay Mills, Superior and Soo Townships and Sault Ste. Marie](#)
- [Bay Mills Township](#)
- [Bruce and Soo \(Nebbish Island\) Townships](#)
- [Detour and Raber Townships](#)
- [Drummond Township](#)
- [Pickford and Raber Townships](#)
- [Sugar Island Township](#)
- [Whitefish Township](#)

#### **Delta**

- [Ford River Township](#)
- [Brampton, Escanaba and Wells Townships and the cities of Gladstone and Escanaba](#)
- [Ensign, Bay De Noc and Masonville Townships](#)
- [Fairbanks Township](#)
- [Garden and Nahma Townships](#)

#### **Emmet**

- [Readmond and Friendship Townships](#)
- [Wawatam, Bliss and Cross Village Townships](#)
- [West Traverse, Little Traverse, Bear Creek and Resort Townships and the cities of Petoskey and Harbor Springs](#)

#### **Gogebic**

- [Ironwood \(East\) and Wakefield Townships](#)
- [Ironwood \(West\) Township](#)

#### **Grand Traverse**

- [Acme, East Bay and Garfield Townships and Traverse City](#)
- [Peninsula Township](#)

#### **Houghton**

- [Hancock and Calumet Townships](#)
- [Portage, Chassell and South part of Torch Lake Townships](#)
- [Schoolcraft, Osceola, Franklin, Portage and North part of Torch Lake Townships](#)
- [Stanton Township](#)

#### **Huron**

- [Fair Haven and Sebewaing Townships](#)
- [Harbor Beach, Sand Beach and Sherman Townships](#)
- [Huron, Gore and Rubicon Townships](#)
- [Lake, Caseville and McKinley Townships](#)
- [Pte. Aux Barques, Port Austin and Hume Townships](#)

#### **Iosco**

- [Baldwin, Tawas, Alabaster Townships and East Tawas and Tawas City](#)
- [Oscoda and Au Sable Townships](#)

#### **Keweenaw**

- [Sherman Township](#)
- [Allouez and Houghton Townships \(Mainland\)](#)
- [Eagle Harbor Township \(Mainland\)](#)
- [Grant Township](#)
- [Isle Royal and Eagle Harbor Townships](#)
- [Isle Royal and Houghton Townships](#)

**Leelanau**

- [Bingham and Elmwood Townships](#)
- [Leland, Leelanau and Suttons Bay Townships](#)
- [Cleveland, Glen Arbor and Empire Townships](#)

**Luce**

- [McMillan Township \(western part\)](#)
- [McMillan Township \(eastern part\)](#)

**Mackinac**

- [Bois Blanc Township](#)
- [Clark Township](#)
- [Garfield Township](#)
- [Hendricks and Hudson Townships](#)
- [Marquette and St. Ignace Townships](#)
- [Moran Township](#)
- [Newton Township](#)

**Macomb**

- [Chesterfield, Harrison, Clinton, and Lake Townships and the cities of Mt. Clemens and St. Clair Shores](#)

**Manistee**

- [Arcadia and Onekama Townships](#)
- [Filer, Manistee and Stonach Townships and the city of Manistee](#)

**Marquette**

- [Marquette, Sands and Chocolay Townships](#)
- [Powell Township](#)

**Mason**

- [Grant, Hamlin and Victory Townships](#)
- [Pere Marquette, Amber, Riverton and Summit Townships and Ludington](#)

**Menominee**

- [Menominee Township and the city of Menominee](#)
- [Cedarville Township](#)
- [Ingallston Township](#)

**Monroe**

- [Berlin, Frenchtown and Monroe Townships](#)
- [Erie, LaSalle and Monroe Townships](#)

**Muskegon**

- [Muskegon, Laketon and Fruitport Townships, the "Muskegons" and Norton Shores](#)
- [White River, Montague, Whitehall and Fruitland Townships and cities of Montague and Whitehall](#)

**Oceana**

- [Benoa and Clay Banks Townships](#)
- [Pentwater and Golden Townships](#)

**Ontonagon**

- [Carp Lake Township](#)
- [Bohemia and Ontonagon \(east part\) Townships](#)
- [Ontonagon \(west part\) Township](#)

**Ottawa**

- [Port Sheldon, Holland and Park Townships and the cities of Zeeland and Holland](#)

- [Spring Lake and Grand Haven Townships and cities of Ferrysburg and Grand Haven](#)

**Presque Isle**

- [Bearinger and Ocqueoc Townships](#)
- [Presque Isle, Krakow and Pulawski Townships](#)
- [Rogers and Belknap Townships](#)

**Saginaw**

- [Kochville, Zilwaukee, Carrollton and Buena Vista Townships](#)

**Sanilac**

- [Delaware, Forest and Sanilac Townships](#)
- [Sanilac, Lexington and Worth Townships](#)

**Schoolcraft**

- [Manistique and Thompson Townships](#)
- [Mueller and Doyle Townships](#)

**St. Clair**

- [Burtchville and Fort Gratiot Townships and the city of Port Huron](#)
- [East China, Cottrelville, Clay and Ira Townships and the cities of Algonac and Marine-City](#)
- [St. Clair and East China Townships and the cities of Port Huron, Marysville and St. Clair](#)

**Tuscola**

- [Akron and Wisner Townships](#)

**Van Buren**

- [South Haven and Covert Townships and the city of South Haven](#)

**Wayne**

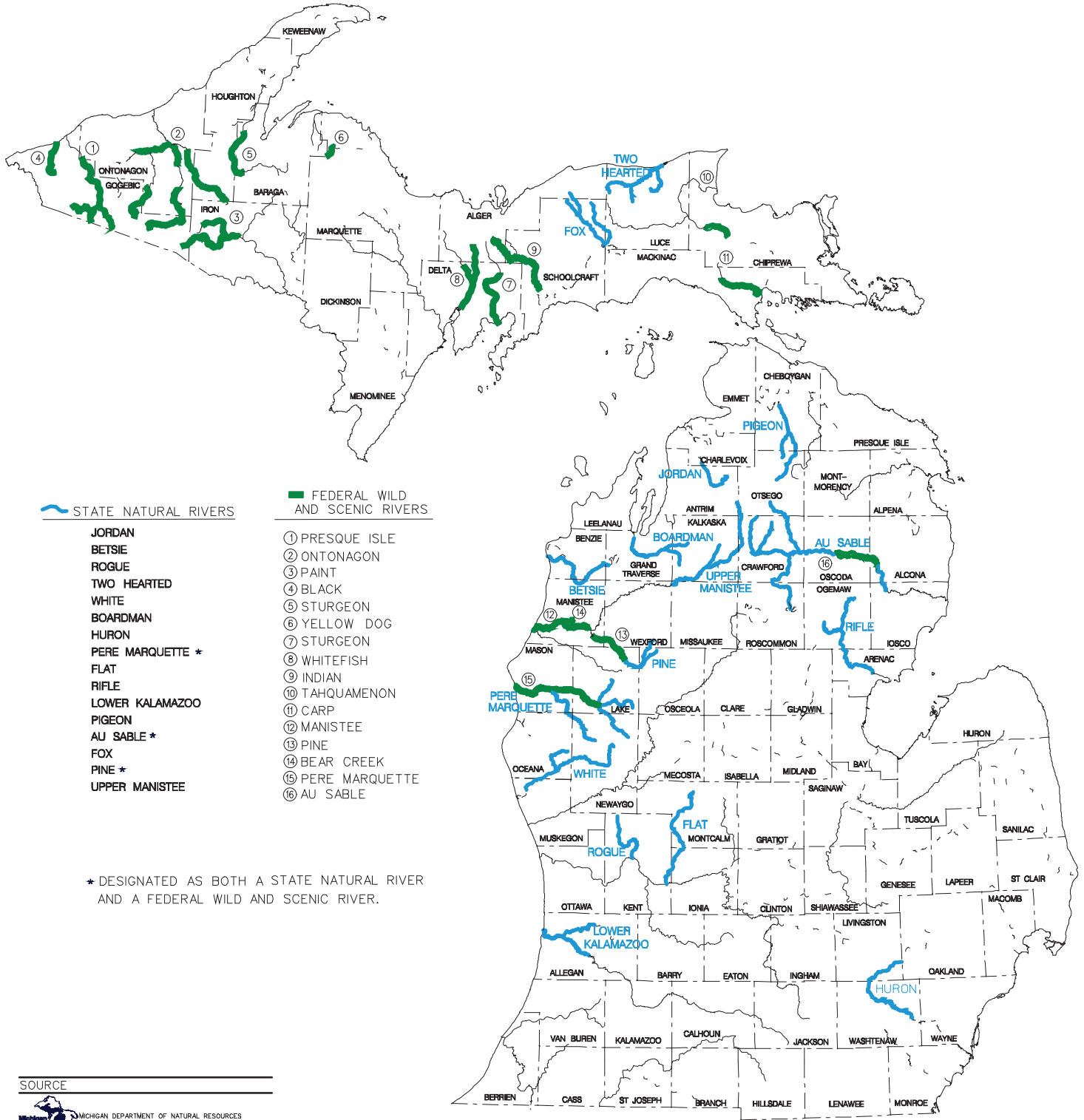
- [Brownstown Township and the cities of Ecorse, Lincoln Park, Wyandotte, Riverview, Trenton, Rockwood and Gibraltar](#)
- [The "Grosse Points", Detroit and River Rouge](#)



MDNR MAP OF DESIGNATED SCENIC RIVERS



# MICHIGAN'S NATURAL AND WILD & SCENIC RIVERS



STATE NATURAL RIVERS

- JORDAN
- BETSIE
- ROGUE
- TWO HEARTED
- WHITE
- BOARDMAN
- HURON
- PERE MARQUETTE \*
- FLAT
- RIFLE
- LOWER KALAMAZOO
- PIGEON
- AU SABLE \*
- FOX
- PINE \*
- UPPER MANISTEE

FEDERAL WILD AND SCENIC RIVERS

- ① PRESQUE ISLE
- ② ONTONAGON
- ③ PAINT
- ④ BLACK
- ⑤ STURGEON
- ⑥ YELLOW DOG
- ⑦ STURGEON
- ⑧ WHITEFISH
- ⑨ INDIAN
- ⑩ TAHQUAMENON
- ⑪ CARP
- ⑫ MANISTEE
- ⑬ PINE
- ⑭ BEAR CREEK
- ⑮ PERE MARQUETTE
- ⑯ AU SABLE

\* DESIGNATED AS BOTH A STATE NATURAL RIVER AND A FEDERAL WILD AND SCENIC RIVER.

SOURCE

MICHIGAN DEPARTMENT OF NATURAL RESOURCES  
 FOREST, MINERAL AND FIRE MANAGEMENT DIVISION

Michigan Resource Information System  
 Part 609, Resource Inventory, of the Natural Resource and  
 Environmental Protection Act, 1994 PA 451, as amended

OCTOBER 2003

NOTE: ALL RIVERS INCLUDE SOME  
 OR ALL TRIBUTARIES

MDEQ AIR QUALITY ATTAINMENT MAP





# MICHIGAN NAAQS ATTAINMENT STATUS

## Attainment Areas:

The entire State of Michigan is currently designated “Attainment” with the National Ambient Air Quality Standards (NAAQS) for:

- ◆ Carbon Monoxide [CO]
  - ◆ Nitrogen Dioxide [NO<sub>2</sub>]
  - ◆ Ozone [O<sub>3</sub>]
  - ◆ Sulfur Dioxide [SO<sub>2</sub>]
  - ◆ Particulate Matter Less Than 10 Microns [PM<sub>10</sub>]
- 

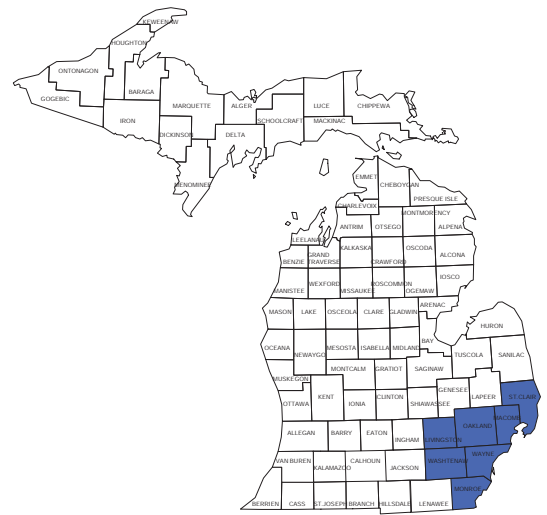
## Nonattainment Areas:

### ◆ Annual and 24-hour PM<sub>2.5</sub> (fine particles)

DEQ has requested that EPA redesignate area to Attainment.

#### Detroit Metropolitan Area

- Livingston
- Macomb
- Monroe
- Oakland
- St. Clair
- Washtenaw
- Wayne



\* Note that **compliance** and **attainment** are two separate issues. All Michigan counties meet (*are in compliance with*) current PM<sub>2.5</sub> Standards; but the EPA has not yet changed the attainment status. A single Wayne County monitor – located in an area heavily impacted by highway and industrial emissions – did not meet PM<sub>2.5</sub> NAAQS until 2010.

### ◆ Lead [Pb]

All Michigan Counties meet the Lead (Pb) National Ambient Air Quality Standards except for a small area in Ionia County (*less than 1 square mile in Belding*).



EDR DATABASE REPORT



**Miller Manor**

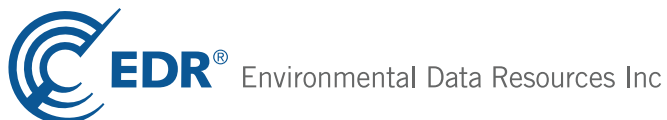
727 Miller Ave

Ann Arbor, MI 48103

Inquiry Number: 3598547.1s

May 06, 2013

# The EDR Radius Map™ Report



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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## GEOCHECK ADDENDUM

GeoCheck - Not Requested

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

727 MILLER AVE  
ANN ARBOR, MI 48103

#### COORDINATES

Latitude (North): 42.2851000 - 42° 17' 6.36"  
Longitude (West): 83.7565000 - 83° 45' 23.40"  
Universal Transverse Mercator: Zone 17  
UTM X (Meters): 272720.3  
UTM Y (Meters): 4684897.5  
Elevation: 840 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42083-C7 ANN ARBOR WEST, MI  
Most Recent Revision: 1983  
  
East Map: 42083-C6 ANN ARBOR EAST, MI  
Most Recent Revision: 1983

### AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2012  
Source: USDA

### TARGET PROPERTY SEARCH RESULTS

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

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
CITY OF ANN ARBOR HOUSING COMM 727 MILLER AVE ANN ARBOR, MI 48103	RCRA-CESQG	MID985612050

## EXECUTIVE SUMMARY

### DATABASES WITH NO MAPPED SITES

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

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal NPL site list***

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

#### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

#### ***Federal CERCLIS list***

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
FEDERAL FACILITY..... Federal Facility Site Information listing

#### ***Federal CERCLIS NFRAP site List***

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

#### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

#### ***Federal RCRA non-CORRACTS TSD facilities list***

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

#### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-SQG..... RCRA - Small Quantity Generators

#### ***Federal institutional controls / engineering controls registries***

US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls  
LUCIS..... Land Use Control Information System

#### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

#### ***State- and tribal - equivalent CERCLIS***

SHWS..... Contaminated Sites

## EXECUTIVE SUMMARY

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

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

### ***State and tribal leaking storage tank lists***

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

### ***State and tribal registered storage tank lists***

AST..... Aboveground Tanks

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

FEMA UST..... Underground Storage Tank Listing

### ***State and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Brownfields and UST Site Database

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Lists of Landfill / Solid Waste Disposal Sites***

ODI..... Open Dump Inventory

### **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

### **STANDARD ENVIRONMENTAL RECORDS**

#### ***State and tribal leaking storage tank lists***

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

A review of the LUST list, as provided by EDR, and dated 02/01/2013 has revealed that there is 1 LUST

## EXECUTIVE SUMMARY

site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>BILL MUNCYS SERVICE</b> Facility Status: Closed	<b>423 MILLER AVE</b>	<b>ESE 1/8 - 1/4 (0.239 mi.)</b>	<b>A2</b>	<b>7</b>

### **State and tribal registered storage tank lists**

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

A review of the UST list, as provided by EDR, and dated 02/01/2013 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>BILL MUNCYS SERVICE</b>	<b>423 MILLER AVE</b>	<b>ESE 1/8 - 1/4 (0.239 mi.)</b>	<b>A2</b>	<b>7</b>

### **State and tribal institutional control / engineering control registries**

AUL: A listing of sites with institutional and/or engineering controls in place.

A review of the AUL list, as provided by EDR, and dated 03/28/2012 has revealed that there is 1 AUL site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>BILL MUNCYS SERVICE</b>	<b>423 MILLER AVE.</b>	<b>ESE 1/8 - 1/4 (0.239 mi.)</b>	<b>A3</b>	<b>8</b>

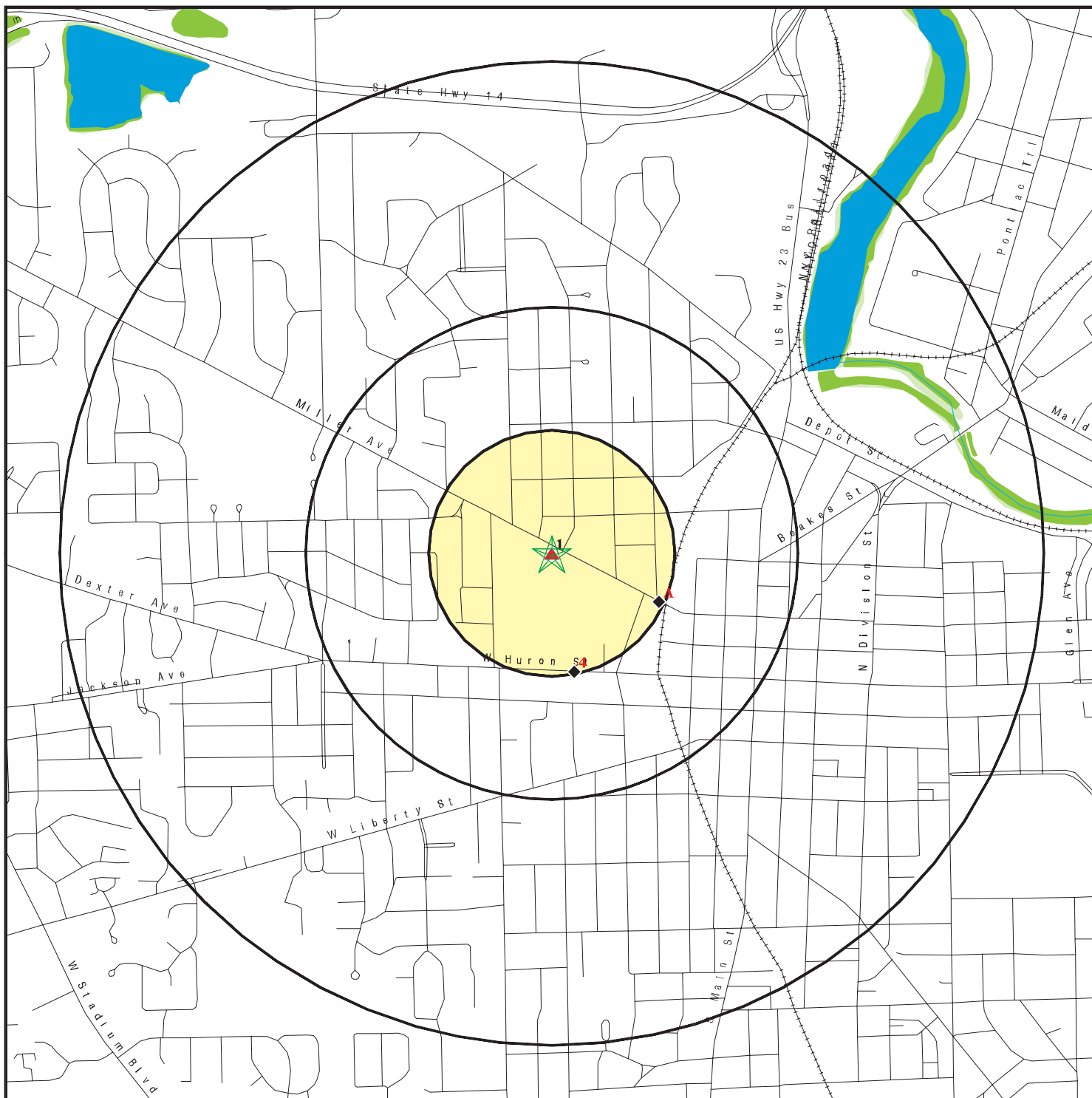


## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

<u>Site Name</u>	<u>Database(s)</u>
UNIV OF MICH HOSPITAL FULLER RD	SHWS
M14 ROLLOVER	CERCLIS
SHELL STATION	LUST, UST
MARATHON UNIT #1793	LUST, UST
ANN ARBOR PIPE & SUPPLY	LUST, UST

# OVERVIEW MAP - 3598547.1s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ☒ National Priority List Sites

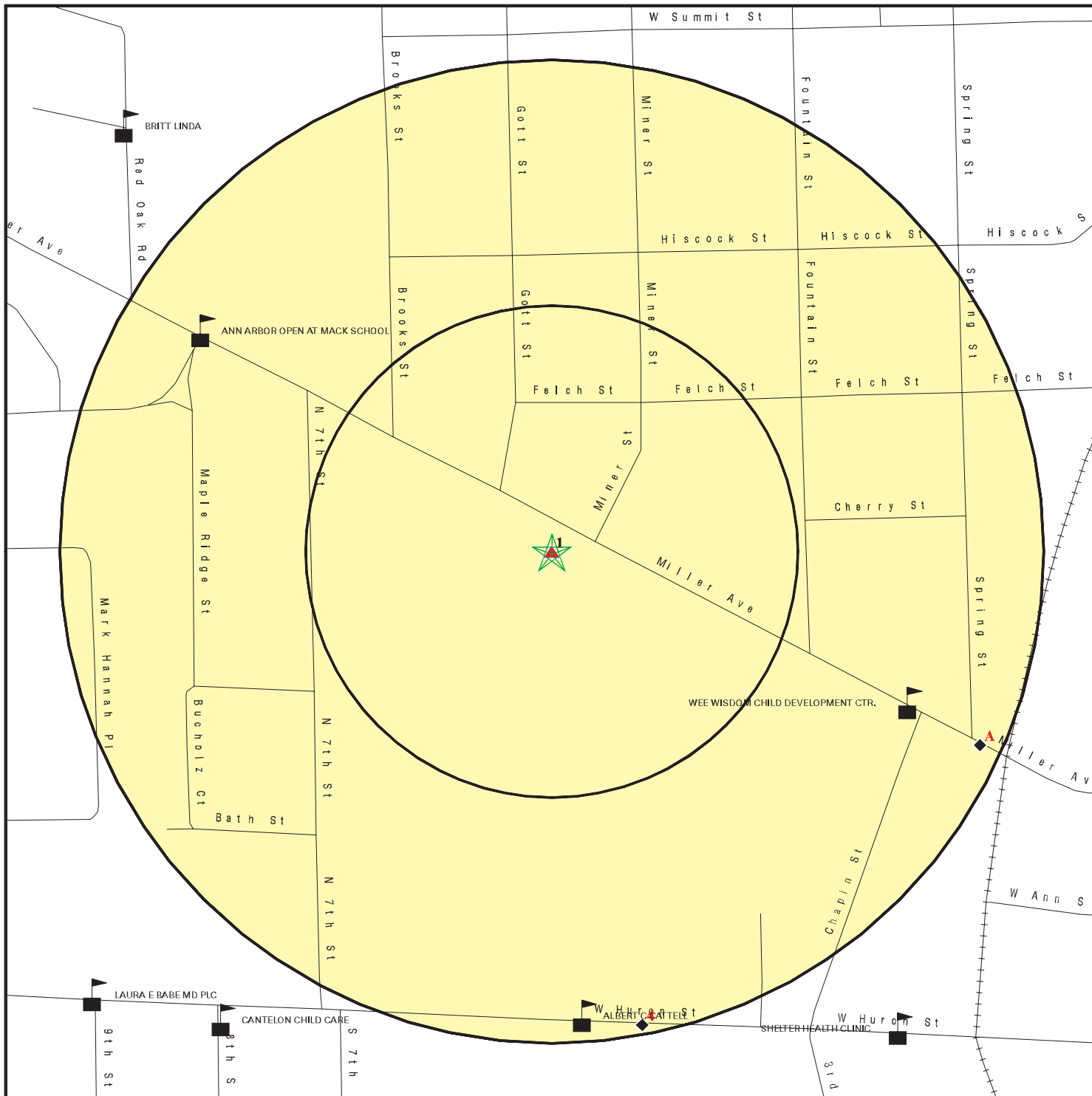
- Oil & Gas pipelines from USGS
- National Wetland Inventory
- State Wetlands

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

SITE NAME: Miller Manor  
 ADDRESS: 727 Miller Ave  
 Ann Arbor MI 48103  
 LAT/LONG: 42.2851 / 83.7565

CLIENT: The Mannik & Smith Group  
 CONTACT: Michelle Henn  
 INQUIRY #: 3598547.1s  
 DATE: May 06, 2013 5:04 pm

# DETAIL MAP - 3598547.1s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Sensitive Receptors
- National Priority List Sites

 Oil & Gas pipelines from USGS



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

SITE NAME: Miller Manor  
 ADDRESS: 727 Miller Ave  
 Ann Arbor MI 48103  
 LAT/LONG: 42.2851 / 83.7565

CLIENT: The Mannik & Smith Group  
 CONTACT: Michelle Henn  
 INQUIRY #: 3598547.1s  
 DATE: May 06, 2013 5:07 pm

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	0.250		0	0	NR	NR	NR	0
Proposed NPL	0.250		0	0	NR	NR	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	0.250		0	0	NR	NR	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.250		0	0	NR	NR	NR	0
FEDERAL FACILITY	0.250		0	0	NR	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.250		0	0	NR	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	0.250		0	0	NR	NR	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.250		0	0	NR	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250	1	0	0	NR	NR	NR	1
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	0.250		0	0	NR	NR	NR	0
US INST CONTROL	0.250		0	0	NR	NR	NR	0
LUCIS	0.250		0	0	NR	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
SHWS	0.250		0	0	NR	NR	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.250		0	0	NR	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.250		0	1	NR	NR	NR	1
INDIAN LUST	0.250		0	0	NR	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
UST	0.250		0	1	NR	NR	NR	1

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<b><i>State and tribal institutional control / engineering control registries</i></b>								
AUL	0.250		0	1	NR	NR	NR	1
<b><i>State and tribal voluntary cleanup sites</i></b>								
INDIAN VCP	0.250		0	0	NR	NR	NR	0
<b><i>State and tribal Brownfields sites</i></b>								
BROWNFIELDS	0.250		0	0	NR	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
ODI	0.250		0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**1** CITY OF ANN ARBOR HOUSING COMM  
**Target** 727 MILLER AVE  
**Property** ANN ARBOR, MI 48103

RCRA-CESQG 1000528779  
MID985612050

**Actual:**  
**840 ft.**

RCRA-CESQG:

Date form received by agency: 05/02/1991  
Facility name: CITY OF ANN ARBOR HOUSING COMM  
Facility address: 727 MILLER AVE  
ANN ARBOR, MI 48103  
EPA ID: MID985612050  
Contact: DONALD WRIGHT  
Contact address: 727 MILLER AVE  
ANN ARBOR, MI 48103  
Contact country: US  
Contact telephone: (313) 994-2828  
Contact email: Not reported  
EPA Region: 05  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: CITY OF ANN ARBOR HOUSING COMM  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Municipal  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/1970  
Owner/Op end date: Not reported

Owner/operator name: CITY OF ANN ARBOR HOUSING COMM  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Municipal  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/1970  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CITY OF ANN ARBOR HOUSING COMM (Continued)**

**1000528779**

Transporter of hazardous waste: No  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

**Hazardous Waste Summary:**

Waste code: D001  
 Waste name: 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.

Violation Status: No violations found

**A2  
 ESE  
 1/8-1/4  
 0.239 mi.  
 1261 ft.**

**BILL MUNCYS SERVICE  
 423 MILLER AVE  
 ANN ARBOR, MI 48103  
 Site 1 of 2 in cluster A**

**LUST U001148462  
 UST N/A**

**Relative:  
 Lower**

LUST:  
 Facility ID: 00037093  
 Source: STATE OF MICHIGAN  
 Owner Name: Bill Muncys Serv  
 Owner Address: 423 Miller Ave  
 Owner City,St,Zip: Ann Arbor, MI 48103-3339  
 Owner Contact: Not reported  
 Owner Phone: (734) 994-0873  
 Country: USA  
 District: Jackson District Office  
 Site Name: Bill Muncys Service  
 Latitude: 42.28363  
 Longitude: -83.75263  
 Date of Collection: 01/11/2001  
 Method of Collection: Address Matching-House Number  
 Accuracy: 100  
 Accuracy Value Unit: FEET  
 Horizontal Data: NAD83  
 Point Line Area: POINT  
 Desc Category: Plant Entrance (Freight)

**Actual:  
 798 ft.**

Leak Number: C-0073-99  
 Release Date: 02/02/1999  
 Substance Released: Unknown,Unknown  
 Release Status: Closed  
 Release Closed Date: 01/14/2000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BILL MUNCYS SERVICE (Continued)**

**U001148462**

UST:

Facility ID: 00037093  
Facility Type: CLOSED  
Owner Name: BILL MUNCYS SERV  
Owner Address: 423 MILLER AVE  
Owner City,St,Zip: ANN ARBOR, MI 48103-3339  
Owner Country: USA  
Owner Contact: Not reported  
Owner Phone: (734) 994-0873  
Contact: WM E MUNCY  
Contact Phone: (734) 994-0873  
Date of Collection: 01/11/2001  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Datum: NAD83  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number  
Latitude: 42.28363  
Longitude: -83.75263

Tank ID: 1  
**Tank Status: Closed in Ground**  
Capacity: 500  
Product: Used Oil  
Install Date: Not reported  
Remove Date: 01/25/1999  
Tank Release Detection: Not reported  
Pipe Realease Detection: Not reported  
Piping Material: Bare Steel  
Piping Type: Suction: No Valve At Tank  
Construction Material: Not reported  
Impressed Device: No

**A3**  
**ESE**  
**1/8-1/4**  
**0.239 mi.**  
**1261 ft.**

**BILL MUNCYS SERVICE**  
**423 MILLER AVE.**  
**ANN ARBOR CITY, MI 48103**  
**Site 2 of 2 in cluster A**

**AUL S109278301**  
**N/A**

**Relative:**  
**Lower**

AUL:

**Actual:**  
**798 ft.**

Status: Recorded  
Site Name: Not reported  
Property: 423 Miller Ave., Ann Arbor  
Land Use Restriction Type: RC  
Program Type: Part 213  
Program Support Assigned User: Nicholas Swartz  
Program Support Assigned Date: 5/13/2009 11:19:22.66  
Legal Description Of Property: Migrated  
Based On The Deq Ref #: 11121305057  
MDEQ Reference Number: RC-RRD-213-05-057  
Property Or Description Restricted Area: Bill Muncy's Service  
Lead Division: STD  
File Name Of Hyperlinked Legal Doc: U:\KERMIT\11121305057.pdf  
Mapped Polygons Area In Acres: 0.2177  
Mapped Polygons Area In Square Miles: 2.999999999999997E-4



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BILL MUNCYS SERVICE (Continued)**

**S109278301**

Date Data Entry Started: 5/13/2009 00:00:00  
Date Data Entry Finished: 5/13/2009 00:00:00  
Individual Or Staff Assoc With The Mapping: Nicholas Swartz  
Program Used To Map Restricted Features: ArcInfo 9.3 and IcoMap 4.2  
Map Comments: Property polygon is NOT mapped in KERMIT as of 10/10/2008. LUR is mapped in KERMIT as of 20090513 - Nick Swartz  
Comment: Request received on 6/15/2005.  
Date Legal Paperwork Stamped/Filed/Register Of Deeds: 11/10/1999 00:00:00  
Commercial I Land Use Restriction: 0  
Commercial Ii Land Use Restriction: 0  
Commercial Iii Land Use Restriction: 0  
Commercial Iv Land Use Restriction: 0  
Industrial Land Use Restriction: 0  
Residential Land Use Restriction: 0  
Recreational Land Use Restriction: 0  
Multiple Land-Use Restrictions: 0  
Site Specific Restrictions: 1  
Groundwater Consumption Restrictions: 1  
Groundwater Contact Restrictions: 0  
Special Well Construction Requirements: 0  
Special Building Restrictions: 0  
Excavation And Soil Movement Restrictions: 1  
Soil Movement Requirements: 0  
There Is A Restriction On All Construction: 0  
Monitoring Well Protected, No Tampering Or Removal: 0  
There Is An Exposure Barrier In Place: 0  
There Is A Health And Safety Plan: 1  
There Is A Permanent Marker On The Site: 0

**4**  
South  
1/8-1/4  
0.245 mi.  
1293 ft.

**FULLSERV INC**  
**603 WEST HURON STREET**  
**ANN ARBOR, MI 48103**

**MANIFEST 1009224134**  
**N/A**

**Relative:**  
**Lower**

NY MANIFEST:  
EPA ID: MIG999999993  
Country: USA  
Mailing Name: FULLSERV INC  
Mailing Contact: TOMMY JOHNSON  
Mailing Address: 603 WEST HURON STREET  
Mailing Address 2: Not reported  
Mailing City: ANN ARBOR  
Mailing State: MI  
Mailing Zip: 48103  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 313-913-0690

**Actual:**  
**820 ft.**

Document ID: NYG0183636  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: MI041  
Trans2 State ID: Not reported  
Generator Ship Date: 970722  
Trans1 Recv Date: 970722  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 970730

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Part A Recv Date: Not reported  
Part B Recv Date: 970818  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: MID981094618  
Trans2 EPA ID: Not reported  
TSD ID: NYD045604964  
Waste Code: D011 - SILVER 5.0 MG/L TCLP  
Quantity: 00030  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 006  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 97

Document ID: NYG0874539  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: MI041  
Trans2 State ID: Not reported  
Generator Ship Date: 971223  
Trans1 Recv Date: 971223  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 971230  
Part A Recv Date: 980115  
Part B Recv Date: 980127  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: MID981094618  
Trans2 EPA ID: Not reported  
TSD ID: NYD045604964  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00030  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 006  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 97

Document ID: NYG0499293  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 01/08/1999  
Trans1 Recv Date: 01/08/1999  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 01/11/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00015  
Units: G - Gallons (liquids only)\* (8.3 pounds)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Number of Containers: 003  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 99

Document ID: NYG1180143  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 02/19/1999  
Trans1 Recv Date: 02/19/1999  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 02/25/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00040  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 008  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 99

Document ID: NYG1180638  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 03/23/1999  
Trans1 Recv Date: 03/23/1999  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 03/29/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00025  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 005  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 99

Document ID: NYG0499419  
Manifest Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 03/20/1998  
Trans1 Recv Date: 03/20/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 03/30/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSDf ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00035  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 007  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0499536  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 01/23/1998  
Trans1 Recv Date: 01/23/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 02/03/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSDf ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00035  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 007  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0499743  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 02/11/1998  
Trans1 Recv Date: 02/11/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 02/26/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSDF ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00025  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 005  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0606051  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 06/26/1998  
Trans1 Recv Date: 06/26/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/02/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSDF ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00025  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 005  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0606672  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 07/28/1998  
Trans1 Recv Date: 07/28/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/04/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSDF ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00030  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 006  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Specific Gravity: 01.00  
Year: 98

Document ID: NYG0607248  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 08/26/1998  
Trans1 Recv Date: 08/26/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/31/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00020  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 004  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0607635  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 09/28/1998  
Trans1 Recv Date: 09/28/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 10/06/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00020  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 004  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0608184  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 10/21/1998

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Trans1 Recv Date: 10/21/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 11/03/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG99999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00016  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 003  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0608949  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 11/23/1998  
Trans1 Recv Date: 11/23/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 12/02/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG99999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00025  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 005  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0605322  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 05/18/1998  
Trans1 Recv Date: 05/18/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 05/28/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG99999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00025  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 005  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG0604935  
Manifest Status: Not reported  
Trans1 State ID: MID981094618  
Trans2 State ID: Not reported  
Generator Ship Date: 04/23/1998  
Trans1 Recv Date: 04/23/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 04/30/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: NYD045604964  
Trans2 EPA ID: Not reported  
TSD ID: MI041  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00030  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 006  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYB8380881  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: MI041  
Trans2 State ID: Not reported  
Generator Ship Date: 961108  
Trans1 Recv Date: 961108  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 961127  
Part A Recv Date: 961120  
Part B Recv Date: 961224  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: MID981094618  
Trans2 EPA ID: Not reported  
TSD ID: NYD045604964  
Waste Code: D011 - SILVER 5.0 MG/L TCLP  
Quantity: 00055  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 011  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 96



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Document ID: NYB8378883  
Manifest Status: Completed copy  
Trans1 State ID: MI041  
Trans2 State ID: Not reported  
Generator Ship Date: 970221  
Trans1 Recv Date: 970221  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 970227  
Part A Recv Date: 970305  
Part B Recv Date: 970313  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: MID981094618  
Trans2 EPA ID: Not reported  
TSD ID: NYD045604964  
Waste Code: D011 - SILVER 5.0 MG/L TCLP  
Quantity: 00020  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 004  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 97

Document ID: NYB8381412  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: MI041  
Trans2 State ID: Not reported  
Generator Ship Date: 970110  
Trans1 Recv Date: 970110  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 970123  
Part A Recv Date: 970130  
Part B Recv Date: 970205  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: MID981094618  
Trans2 EPA ID: Not reported  
TSD ID: NYD045604964  
Waste Code: D011 - SILVER 5.0 MG/L TCLP  
Quantity: 00035  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 007  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 97

Document ID: NYB8378361  
Manifest Status: Completed copy  
Trans1 State ID: MI041  
Trans2 State ID: Not reported  
Generator Ship Date: 970425  
Trans1 Recv Date: 970425  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 970502  
Part A Recv Date: 970507

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FULLSERV INC (Continued)**

**1009224134**

Part B Recv Date: 970516  
Generator EPA ID: MIG999999993  
Trans1 EPA ID: MID981094618  
Trans2 EPA ID: Not reported  
TSD ID: NYD045604964  
Waste Code: D011 - SILVER 5.0 MG/L TCLP  
Quantity: 00030  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 006  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 97

[Click this hyperlink](#) while viewing on your computer to access  
4 additional NY\_MANIFEST: record(s) in the EDR Site Report.

Count: 5 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ANN ARBOR	U000266166	SHELL STATION	1251ST N MAPLE & MILLER		LUST, UST
ANN ARBOR	U000266169	MARATHON UNIT #1793	1300TH N MAPLE & MILLER		LUST, UST
ANN ARBOR	1015731350	M14 ROLLOVER	S BOUND RAMP	48103	CERCLIS
ANN ARBOR	S103595056	UNIV OF MICH HOSPITAL FULLER RD	FULLER RD	48103	SHWS
ANN ARBOR	U003758877	ANN ARBOR PIPE & SUPPLY	20295 STATE		LUST, UST

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### **NPL: National Priority List**

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

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/10/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

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

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

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

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/10/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/10/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

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

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

Date of Government Version: 02/04/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/05/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 04/10/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 02/05/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/05/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/21/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 6

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 05/02/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

### **RCRA-TSDF: RCRA - Treatment, Storage and Disposal**

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

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 05/02/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

### **RCRA-LQG: RCRA - Large Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 05/02/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Quarterly

### **RCRA-SQG: RCRA - Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 05/02/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Quarterly

### **RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 05/02/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal institutional controls / engineering controls registries***

### US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 12/19/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2012	Telephone: 703-603-0695
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 12/19/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2012	Telephone: 703-603-0695
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

### LUCIS: Land Use Control Information System

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

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 02/18/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Varies

## ***Federal ERNS list***

### ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/17/2013	Telephone: 202-267-2180
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 04/02/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Annually

## ***State- and tribal - equivalent CERCLIS***

### SHWS: Contaminated Sites

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

Date of Government Version: 01/28/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/30/2013	Telephone: 517-373-9541
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 01/30/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### SWF/LF: Solid Waste Facilities Database

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

Date of Government Version: 01/03/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/03/2013	Telephone: 517-335-4035
Date Made Active in Reports: 01/14/2013	Last EDR Contact: 04/02/2013
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Semi-Annually

## **State and tribal leaking storage tank lists**

### LUST: Leaking Underground Storage Tank Sites

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

Date of Government Version: 02/01/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/19/2013	Telephone: 517-373-9837
Date Made Active in Reports: 03/29/2013	Last EDR Contact: 02/19/2013
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Annually

### INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

### INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

### INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 04/29/2013
Number of Days to Update: 59	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/28/2012	Source: EPA Region 1
Date Data Arrived at EDR: 11/01/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 05/01/2013
Number of Days to Update: 162	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/06/2013	Source: EPA Region 4
Date Data Arrived at EDR: 02/08/2013	Telephone: 404-562-8677
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Semi-Annually

### **State and tribal registered storage tank lists**

#### UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 02/07/2013	Source: Department of Environmental Quality
Date Data Arrived at EDR: 02/08/2013	Telephone: 517-335-7211
Date Made Active in Reports: 03/04/2013	Last EDR Contact: 04/23/2013
Number of Days to Update: 24	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: Annually

#### UST: Underground Storage Tank Facility List

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

Date of Government Version: 02/01/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/19/2013	Telephone: 517-335-4035
Date Made Active in Reports: 03/29/2013	Last EDR Contact: 02/19/2013
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Annually

#### AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 02/21/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/26/2013	Telephone: 517-373-8168
Date Made Active in Reports: 03/29/2013	Last EDR Contact: 02/18/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: No Update Planned

#### INDIAN UST R1: Underground Storage Tanks on Indian Land

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/28/2012  
Date Data Arrived at EDR: 11/07/2012  
Date Made Active in Reports: 04/12/2013  
Number of Days to Update: 156

Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/06/2013  
Date Data Arrived at EDR: 02/08/2013  
Date Made Active in Reports: 04/12/2013  
Number of Days to Update: 63

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Semi-Annually

## INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/02/2012  
Date Data Arrived at EDR: 08/03/2012  
Date Made Active in Reports: 11/05/2012  
Number of Days to Update: 94

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/10/2011  
Date Data Arrived at EDR: 05/11/2011  
Date Made Active in Reports: 06/14/2011  
Number of Days to Update: 34

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Semi-Annually

## INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 02/28/2013  
Date Made Active in Reports: 04/12/2013  
Number of Days to Update: 43

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/27/2012  
Date Data Arrived at EDR: 08/28/2012  
Date Made Active in Reports: 10/16/2012  
Number of Days to Update: 49

Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Quarterly

## INDIAN UST R10: Underground Storage Tanks on Indian Land

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/05/2013  
Date Data Arrived at EDR: 02/06/2013  
Date Made Active in Reports: 04/12/2013  
Number of Days to Update: 65

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Quarterly

## INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/21/2013  
Date Data Arrived at EDR: 02/26/2013  
Date Made Active in Reports: 04/12/2013  
Number of Days to Update: 45

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Quarterly

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010  
Date Data Arrived at EDR: 02/16/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 55

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 04/18/2013  
Next Scheduled EDR Contact: 07/29/2013  
Data Release Frequency: Varies

## ***State and tribal institutional control / engineering control registries***

### AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 03/28/2012  
Date Data Arrived at EDR: 03/28/2012  
Date Made Active in Reports: 04/20/2012  
Number of Days to Update: 23

Source: Department of Natural Resources & Environment  
Telephone: 517-373-4828  
Last EDR Contact: 03/04/2013  
Next Scheduled EDR Contact: 06/17/2013  
Data Release Frequency: Varies

## ***State and tribal voluntary cleanup sites***

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 09/28/2012  
Date Data Arrived at EDR: 10/02/2012  
Date Made Active in Reports: 10/16/2012  
Number of Days to Update: 14

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 04/05/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Varies

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 7  
Telephone: 913-551-7365  
Last EDR Contact: 04/20/2009  
Next Scheduled EDR Contact: 07/20/2009  
Data Release Frequency: Varies

## ***State and tribal Brownfields sites***

### BROWNFIELDS: Brownfields and USTfield Site Database

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/27/2012  
Date Data Arrived at EDR: 07/31/2012  
Date Made Active in Reports: 09/20/2012  
Number of Days to Update: 51

Source: Department of Natural Resources & Environment  
Telephone: 517-373-4805  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
Data Release Frequency: Varies

## BROWNFIELDS 2: Brownfields Building and Land Site Locations

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

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

Source: Economic Development Corporation  
Telephone: 888-522-0103  
Last EDR Contact: 03/04/2013  
Next Scheduled EDR Contact: 06/17/2013  
Data Release Frequency: Varies

## ADDITIONAL ENVIRONMENTAL RECORDS

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

#### ODI: Open Dump Inventory

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

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

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

### ***Other Ascertainable Records***

#### BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 02/26/2013  
Date Made Active in Reports: 04/19/2013  
Number of Days to Update: 52

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 02/26/2013  
Next Scheduled EDR Contact: 06/10/2013  
Data Release Frequency: Biennially

#### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 04/19/2013  
Next Scheduled EDR Contact: 07/29/2013  
Data Release Frequency: N/A

# 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.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/18/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/18/2013	Telephone: 860-424-3375
Date Made Active in Reports: 03/21/2013	Last EDR Contact: 02/18/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Annually

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 08/28/2012	Last EDR Contact: 04/19/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Annually

### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/01/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/07/2013	Telephone: 518-402-8651
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 02/07/2013
Number of Days to Update: 36	Next Scheduled EDR Contact: 05/20/2013
	Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/23/2012	Telephone: 717-783-8990
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 04/23/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2011	Source: Department of Environmental Management
Date Data Arrived at EDR: 06/22/2012	Telephone: 401-222-2797
Date Made Active in Reports: 07/31/2012	Last EDR Contact: 02/25/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Annually

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 09/27/2012	Last EDR Contact: 03/18/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/01/2013
	Data Release Frequency: Annually

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

### Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**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 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

## Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## STREET AND ADDRESS INFORMATION

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HISTORIC SANBORN FIRE INSURANCE MAPS





**Miller Manor**

727 Miller Ave

Ann Arbor, MI 48103

Inquiry Number: 3598547.2

May 07, 2013

## Certified Sanborn® Map Report



# Certified Sanborn® Map Report

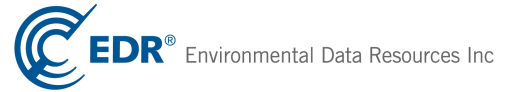
5/07/13

**Site Name:**

Miller Manor  
727 Miller Ave  
Ann Arbor, MI 48103

**Client Name:**

The Mannik & Smith Group  
2365 Haggerty Road South  
Canton, MI 48188



EDR Inquiry # 3598547.2

Contact: Michelle Henn

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

## Certified Sanborn Results:

**Site Name:** Miller Manor  
**Address:** 727 Miller Ave  
**City, State, Zip:** Ann Arbor, MI 48103  
**Cross Street:**  
**P.O. #** NA  
**Project:** E1720001-Miller Manor  
**Certification #** E043-4020-9647



Sanborn® Library search results  
Certification # E043-4020-9647

**Maps Provided:**

1972  
1948  
1931  
1925  
1916

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

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

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## Sanborn Sheet Thumbnails

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



### 1972 Source Sheets



Volume 1, Sheet 11



Volume 1, Sheet 13

### 1948 Source Sheets



Volume 1, Sheet 11



Volume 1, Sheet 19



Volume 1, Sheet 13

### 1931 Source Sheets



Volume 1, Sheet 13



Volume 1, Sheet 11

### 1925 Source Sheets



Volume 1, Sheet 16



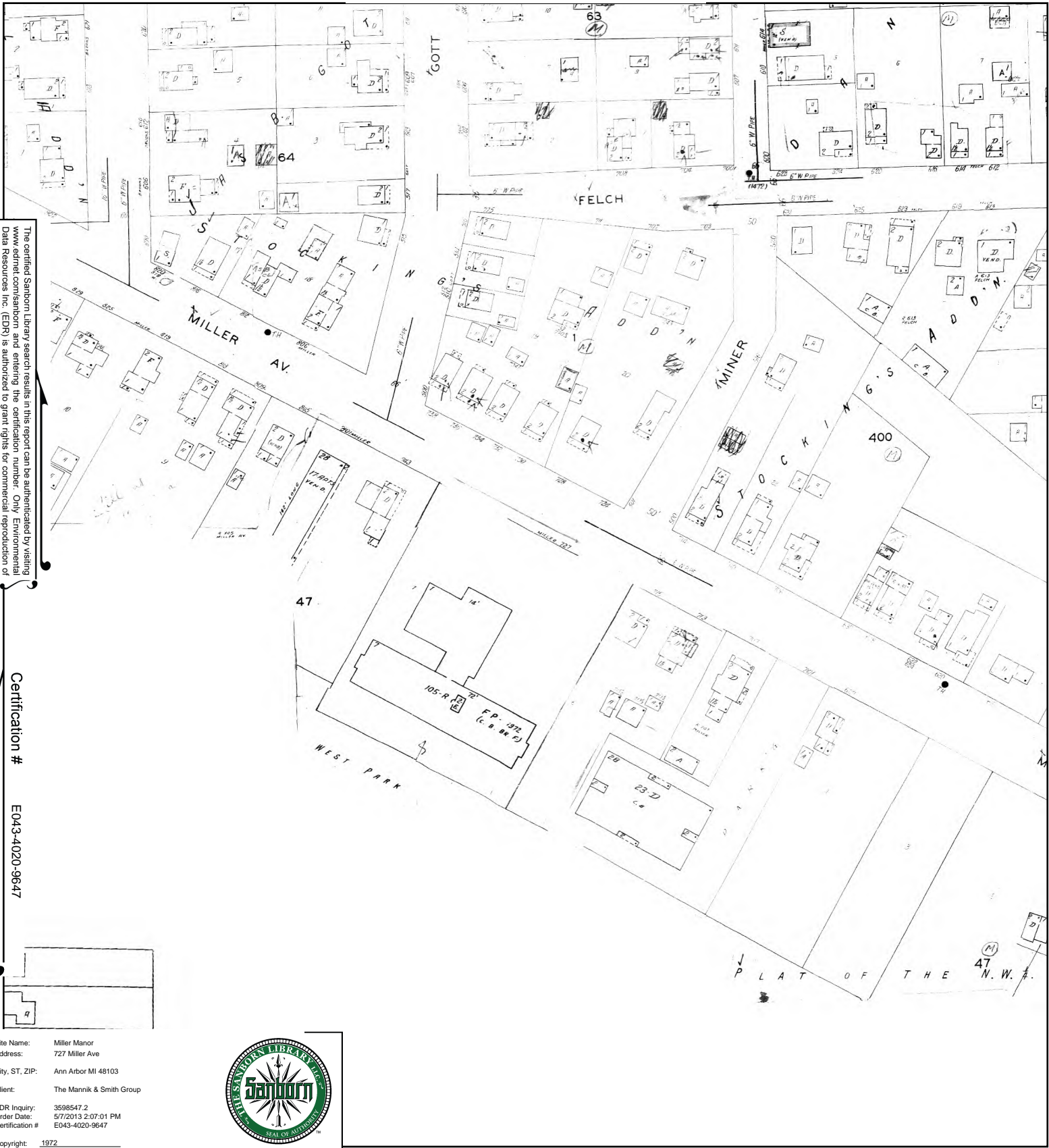
Volume 1, Sheet 18

**1916 Source Sheets**



Volume 1, Sheet 30

# 1972 Certified Sanborn Map



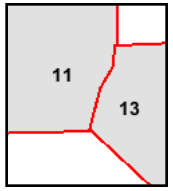
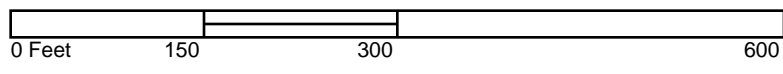
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Certification # E043-4020-9647

Site Name: Miller Manor  
 Address: 727 Miller Ave  
 City, ST, ZIP: Ann Arbor MI 48103  
 Client: The Mannik & Smith Group  
 EDR Inquiry: 3598547.2  
 Order Date: 5/7/2013 2:07:01 PM  
 Certification #: E043-4020-9647  
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Volume 1, Sheet 11  
 Volume 1, Sheet 13



# 1948 Certified Sanborn Map



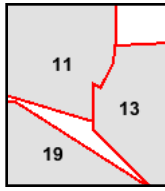
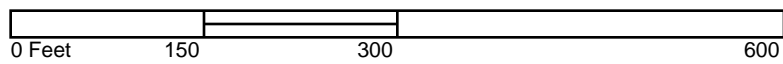
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- Volume 1, Sheet 11
- Volume 1, Sheet 19
- Volume 1, Sheet 13



# 1931 Certified Sanborn Map



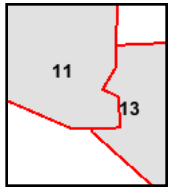
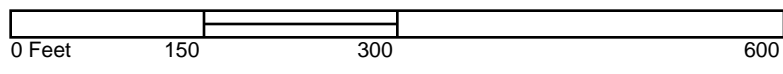
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Site Name: Miller Manor  
 Address: 727 Miller Ave  
 City, ST, ZIP: Ann Arbor MI 48103  
 Client: The Mannik & Smith Group  
 EDR Inquiry: 3598547.2  
 Order Date: 5/7/2013 2:07:01 PM  
 Certification #: E043-4020-9647  
 Copyright: 1931



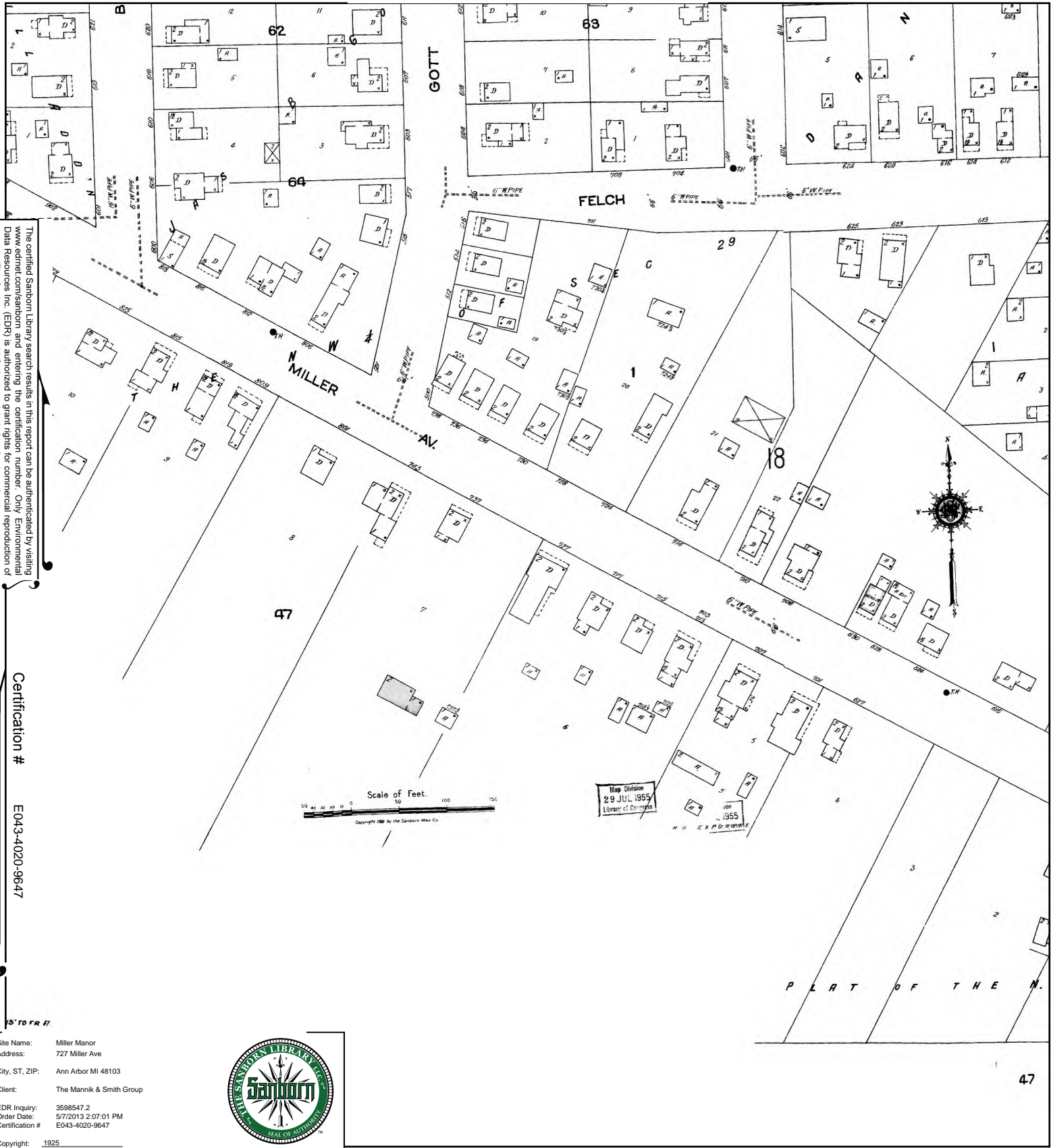
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Volume 1, Sheet 13  
 Volume 1, Sheet 11



# 1925 Certified Sanborn Map



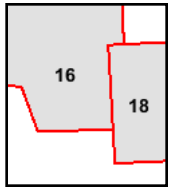
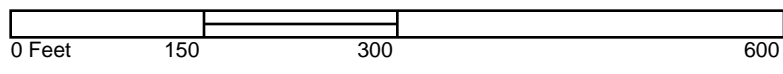
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Site Name: Miller Manor  
 Address: 727 Miller Ave  
 City, ST, ZIP: Ann Arbor MI 48103  
 Client: The Mannik & Smith Group  
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Volume 1, Sheet 16  
 Volume 1, Sheet 18



# 1916 Certified Sanborn Map

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Certification #

E043-4020-9647

*SCALE 100 FT. TO AN INCH*

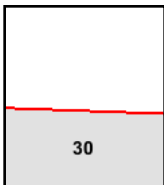
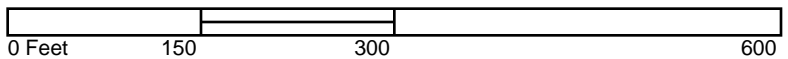
PLAT OF N. W. 1/4 SEC. 29  
 CHRISTIAN MACK  
 PUBLIC SCHOOL  
 HEAT, STEAM,  
 LIGHT & ELECTRIC.

JUNE 1916  
**ANN ARBOR**  
 MICH.

Site Name: Miller Manor  
 Address: 727 Miller Ave  
 City, ST, ZIP: Ann Arbor MI 48103  
 Client: The Mannik & Smith Group  
 EDR Inquiry: 3598547.2  
 Order Date: 5/7/2013 2:07:01 PM  
 Certification #: E043-4020-9647



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Volume 1, Sheet 30





**SECTION 10.8**

**Environmental Professional Profiles**

## EDUCATION

B.S., Geology, Wayne State University, 1984

## CERTIFICATIONS

Certified Professional Geologist (CPG), American Institute of Professional Geologists (AIPG), #9977  
Certified Professional Geologist (CPG), State of Kentucky, #1958  
Registered Professional Geologist (RPG), State of Indiana, #1428  
Certified Underground Storage Tank Professional (CP), State of Michigan, #613  
Certified Lead Inspector/Risk Assessor, State of Michigan, MDCH, #P-04659  
Licensed Lead Risk Assessor, State of Ohio, #LA-008582  
Accredited Asbestos Inspector, State of Michigan, LARA, #A40959

## PROFESSIONAL EDUCATION COURSES

Sampling Strategies and Statistics Training for Part 201 Cleanup Criteria, Michigan Department of Environmental Quality (MDEQ)  
Risk Based Corrective Action, Foster Wheeler  
40-Hour HAZWOPER Initial Health and Safety Training  
8-Hour HAZWOPER Supervisor Health and Safety Training  
8-Hour HAZWOPER Health and Safety Refresher  
Management & Unions Serving Together (MUST) Safety Training Certified

## PROFESSIONAL EXPERIENCE

### DUE DILIGENCE

**Environmental Due Diligence, National Automotive Dealership Program**— Lead technical resource and client contact for Big 3 automotive manufacturer national dealership program. Managed National Dealership Program which involved expeditious evaluation (Phase I and II ESAs and environmental compliance surveys) of environmental due diligence issues at dealerships throughout the US. Also acted as project manager for numerous commercial and industrial investigation/remediation projects throughout the country.

**Preliminary Site Investigations, Ohio Department of Transportation** – Provided pre-construction investigation services for ODOT on I-75 interchange improvement project in northeastern Ohio. The investigations involved evaluation of potential environmental concerns that could affect proposed construction activities and subsurface evaluation of soils along proposed interchange improvement areas for the purpose of determining soil and groundwater handling procedures during construction. Activities included assessment of properties suspected of environmental impact along the corridor, selection of target areas for subsurface investigation and locating soil borings, collection of soil and groundwater samples in target areas and a comprehensive report of the results, including recommendations of soil and groundwater handling

**Property Transactions, Environmental Due Diligence** — Provided due diligence and property consulting for national housing developer. Projects ranged in size from 40 to 150 acres and included both brownfield and greenfield sites. Services included environmental assessments, remediation, geotechnical studies, groundwater

monitoring, UST removals/closures, construction testing, pre-demolition hazardous material surveys and abatement, demolition oversight and various engineering tasks.

**Multi-Site Property Transactions, Environmental Due Diligence** — Provided expedited due diligence and property consulting for an entity seeking to purchase a portfolio of high end sea food restaurants located in the eastern US from Michigan to Florida. The due diligence had to be completed within a six week timeframe. Activities included Phase Is at each of the sites and Phase IIs at approximately half of the sites. Significant challenges included a short (six weeks) due diligence period and access issues associated with assessing luxury establishments.

**Site Acquisition, Environmental Due Diligence**, — Provided Phase I and Phase II ESAs on multiple brownfield sites for urban school district in southeast Michigan. District is located in an area that has been developed since the late 1800's and several of the properties were formerly utilized for industrial purposes. Duties included Phase I ESAs, soil and groundwater sampling, Baseline Environmental Assessments/Due Care Plans, remediation and UST removal/closures.

### **LUST/UST**

**Multisite Project Management, Michigan** — Certified UST professional, senior technical review and program manager for more than 350 retail petroleum facilities owned and operated by three major oil companies. Responsibilities included client communication, technical report review and signoff as Certified US professional. Project work included UST removals, initial abatement measures, site assessments, site investigations, corrective actions, and remediation.

**Risk Based Site Closures, Michigan** — Involved with the implementation of RBCA for commercial, industrial, municipal and educational clients to include risk assessment, exposure pathway determination, reporting, and closure. Supervised closures of more than 60 sites under RBCA. Attended MDEQ and ASTM training courses on RBCA.

### **REMEDIATION/BROWNFIELDS**

**Former Southfield Downs/Landfill Brownfield Redevelopment, Spring Haven, Southfield, Michigan** — Performed due diligence and remediation services for the Brownfield redevelopment of a 50 acre mobile home park (Southfield Downs) that had been constructed over a former unregulated landfill. The redevelopment was performed by a leading national residential home builder. Due diligence and site characterization activities were complicated by access issues associated with the operating mobile home park. This project also involved a comprehensive hazardous material survey, the removal and closure of two underground storage tanks and the abandonment of three water supply wells. Remediation activities included asbestos abatement, hazardous material removal (miscellaneous paints, cleaners, fuel containers, refrigerant containing devices etc.), removal of over 50 fuel oil ASTs and sampling/characterization/disposal of eight electrical transformers. In addition, over 45,000 tons of waste materials were removed from 17 separate disposal cells and over 500,000 gallons of water entrained within the waste was removed. The redevelopment involved the construction of residential condominiums and for-sale homes.

**UAW-GM Center for Human Resources, Detroit, Michigan** - Designed and implemented remedial investigation of former industrial property on the banks of the Detroit River and negotiated MDEQ approved limited closure. Implemented and managed full time environmental health and safety monitoring program during the redevelopment of property into the UAW-GM Center for Human Resources. Program length exceeded two years and involved full time staff member monitoring of environmental conditions, rapid response to discovery of environmental issues, and a fugitive dust-monitoring network.

**Roosevelt Refinery, Mount Pleasant, Michigan** - Co-authored an Interim Remedial Action Plan for the former Roosevelt (Total) refinery located in Mt. Pleasant, Michigan. The site had been ranked as the second highest scoring Act 307 (Pre Act 451) site in Michigan. The IRAP involved a combination of deed restrictions, bioremediation, soil vapor extraction, excavation, engineered exposure barriers, sediment dredging and sheet pile barriers.

**Former Herman Gardens Public Housing Development, Detroit, Michigan** - Designed and implemented HUD Environmental Assessment and Construction Readiness Assessment for the former Herman Gardens Public Housing Development in Detroit, Michigan. The project site encompasses 139 acres and was demolished in the 1990s. The redevelopment of the site is considered the largest and most significant public housing project in the City. Project included focused geophysical, geotechnical and environmental characterization, Brownfield Support, MDEQ negotiations, remedial cost estimates and MSHDA financing support.

## **ASBESTOS/LEAD BASED PAINT**

**Detroit Housing Commission - Professional Services Contract for Industrial Hygiene and Environmental Services** - Services consisted primarily of expedited Agency-Wide Asbestos Surveys and Lead Based Paint Inspections/Risk Assessments on numerous multi-family (typically high rise buildings) developments and hundreds of scattered single family homes throughout Detroit. Subsequent to the abatement of identified regulated asbestos containing materials and/or lead based paint hazards, clearance testing was performed.

**Confidential Redevelopment of 125 Unit Apartment Building in Detroit, Michigan** –The building, located in the New Center area was originally constructed in the early 1900's and had been vacant for approximately 10 years. Due Diligence activities included Phase I and Phase II ESAs in accordance with MSHDA and HUD requirements. Asbestos and lead based paint activities included a comprehensive pre-renovation asbestos survey in accordance with NESHAP and a lead based paint inspection based on HUD's random statistical protocol. The work was complicated by the poor condition of the building's interior components and because it was determined that the building had actually been constructed in 2 separate phases.

**Miscellaneous Residential, Commercial, Industrial and Educational Projects in Michigan and Ohio**- Managed numerous asbestos and lead based paint projects for various clients in Michigan and Ohio. Projects were often associated with other due diligence activities and included one or more of the following services: asbestos surveys in accordance with NESHAP and or AHERA protocols; preparation of Operation and Maintenance or AHERA Management plans; lead based paint inspections and risk assessments in accordance with Michigan, Ohio, HUD and/or MSHDA protocols; development of abatement specifications; contractor procurement; abatement oversight/air sampling; and, clearance sampling.

## **EMPLOYMENT**

PM Environmental, Inc. (Senior Project Manager), 2011 to 2012

The Mannik & Smith Group, Inc. (Senior Project Manager), 2008 to 2011

Testing Engineers & Consultants, Inc. (Senior Geologist), 2000 to 2008

EnecoTech Midwest, Inc. (Senior Geoscientist), 1995-2000

Testing Engineers & Consultants, Inc. (Project Geologist), 1990 to 1995

Wayne County Environmental Health Dept., Solid Waste Division (Sanitarian), 1987 to 1990

## **PROFESSIONAL AFFILIATIONS**

American Institute of Professional Geologists  
MDEQ UST Stakeholders Workgroup - AIPG Representative  
MDEQ Landfill Redevelopment Guidance Peer Review Committee  
MDEQ Groundwater Evaluation Guidance Peer Review Committee

## EDUCATION

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

## PROFESSIONAL EDUCATION COURSES

40-Hour HAZWOPER Initial Health and Safety Training  
8-Hour HAZWOPER Health and Safety Refresher  
Management & Unions Serving Together (MUST) Safety Training Certified

## PROFESSIONAL EXPERIENCE

### DUE DILIGENCE

**Property Transactions, Environmental Due Diligence** — Conducted, managed, and reviewed over 1,000 Phase I Environmental Site Assessments (ESAs), Phase II ESAs, Baseline Environmental Assessments (BEAs), and Due Care Plans of residential and commercial properties as part of environmental due diligence activities required to procure financing through public (HUD/MSHDA) and private financial institutions. Phase I ESAs were conducted in accordance with applicable ASTM International Standards (E1527, E1528), financial institution requirements, and HUD and MSHDA requirements (24CFR Part 50 and 24CFR Part 58, NEPA, noise).

**Gardenview Estates, Environmental Due Diligence** — Environmental engineer and project manager for the environmental aspects of the redevelopment of the 139-acre former Herman Gardens Public Housing Development in Detroit, Michigan. The property is currently being developed in the Gardenview Estates housing development. Worked closely with the Detroit Housing Commission (DHC) and multiple developers since 2004 to support the redevelopment activities. Activities at Gardenview Estates included Phase I ESAs, Phase II ESAs, a post-demolition construction readiness assessment, HUD EAs, MSHDA Phase I ESAs, BEAs, Due Care Plan preparation and implementation, and a MSHDA industrial hygiene clearance assessment for occupancy. Environmental activities were conducted to meet the requirements of the MDNRE, public (HUD/MSHDA) and private financial institutions to ensure that environmental requirements were met and funding of the project was not delayed.

**Woodbridge and Cornerstone Estates, Environmental Due Diligence** — Worked with DHC and developers for over 10 years to comply with HUD/MSHDA and financial institution requirements for multiple Phase I ESAs, Phase II ESAs, HUD EAs, and MSHDA Phase I ESAs of the Jeffries East and Jeffries West multi-tenant residential developments in Detroit, Michigan in support of redevelopment activities (Woodbridge and Cornerstone Estates).

### ENVIRONMENTAL COMPLIANCE

**City of Auburn Hills, Environmental Compliance** — Project Manager for the City of Auburn Hills as the City's representative during ongoing monitoring of the Oakland Heights Landfill located within the city limits. Duties include the review and summarizing of sampling conducted by the landfill and presenting the information to the City of Auburn Hills Council during regular public city council meetings.

**Grand Ledge Public Schools, Environmental Compliance** — Project Manager for Grand Ledge Public Schools, conducting environmental, health, and safety reviews throughout the school system to ensure compliance with OSHA, MIOSHA, MDNRE, and EPA regulations. Developed and/or reviewed compliance plans for drinking water wells, storm water management, spill prevention and countermeasures, confined space, hazard assessment, hazard communication, and playground safety. Personally conducted training on various environmental, health, and safety topics for school district employees.

**Grand Ledge Public Schools, Storm Water Permit Compliance** — Developed NPDES Phase II storm water management plans for two large school districts in southeast Michigan to achieve compliance with the NPDES and MDNRE rules and regulations. Compliance activities included mapping of district storm water outfalls, dry-weather screening, and annual reporting to the MDNRE with summaries of completed activities, upcoming activities, and compliance achieved.

## **EMPLOYMENT**

The Mannik & Smith Group, Inc. (Environmental Scientist), 2011 to 2012

Testing Engineers & Consultants, Inc. (Staff Engineer), 1999 to 2010

Giffels-Webster Engineers, Inc. (Staff Engineer), 1997-1999

Michigan Department of Transportation (Student co-op), 1995

**SECTION 10.9**

**MSHDA Reliance Letter**





## Environmental Resources Group

28003 Center Oaks Court • Suite 106 • Wixom, MI • 48393  
Phone: 248-773-7986 • Fax: 248-924-3108

### LETTER OF RELIANCE

July 26, 2013

#### **PRIVILEGED AND CONFIDENTIAL**

Mr. Dan Lince, Environmental Manager  
Rental Development Division  
Michigan State Housing Development Authority  
735 East Michigan Avenue  
Lansing, Michigan 48912

**Re: Phase I Environmental Site Assessment  
Miller Manor  
727 Miller Avenue, Ann Arbor, Michigan  
Environmental Resources Group, LLC Project 1126.001  
Dated: July 26, 2013**

Dear Mr. Lince:

Please find enclosed the Phase I Environmental Site Assessment for the subject property dated July 26, 2013 to the Michigan State Housing Development Authority.

It is our understanding that the information contained in the Phase I Environmental Site Assessment will be used by the Authority in considering proposed financing of residential development of the subject property and, furthermore, that the Authority may rely upon the Phase I Environmental Site Assessment as if it were issued to the Authority.

We **represent** that the attached is a true, correct and complete copy of the Phase I Environmental Site Assessment for the above captioned property and that the report represents our professional opinion of the site as of this date and that we meet the definition of an Environmental Professional as defined in Section 312.10 of 40 CFR 312. We also **represent** that the Phase I Environmental Site Assessment including the evaluation, recommendations, and conclusions as of this date has been performed in conformance with the scope and limitations of the ASTM Practice E1527-05, ASTM Practice E 2600-10 and MSHDA'S Environmental Review Requirements for 2013.

Sincerely,  
**Environmental Resources Group, LLC**

Penny M. Dwoinen  
Project Engineer

Andrew J. Foerg, CPG  
Senior Project Manager

**SECTION 10.10**

**Professional Liability Insurance Certificates  
Signed Proposal**



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

05/28/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> <b>Eric A. Moore, CIC, LIC</b> <b>Moore Insurance Services, Inc.</b> <b>67 N. Howell</b> <b>P.O. Box 207</b> <b>Hillsdale, MI 49242-</b>	<b>CONTACT NAME:</b> <b>Cyndi Armstrong</b>															
	<b>PHONE (A/C, No, Ext):</b> <b>(517) 439-9345</b>	<b>FAX (A/C, No):</b> <b>(517) 439-5536</b>														
<b>E-MAIL ADDRESS:</b> <b>info@mooreinsuranceservices.com</b>																
<b>PRODUCER CUSTOMER ID #:</b>																
<b>INSURED</b> <b>Environmental Resources Group, LLC.</b> <b>28003 Center Oaks Drive #106</b>  <b>Wixom MI 48393-</b>		<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr><td>INSURER A : <b>CNA</b></td><td></td></tr> <tr><td>INSURER B :</td><td></td></tr> <tr><td>INSURER C :</td><td></td></tr> <tr><td>INSURER D :</td><td></td></tr> <tr><td>INSURER E :</td><td></td></tr> <tr><td>INSURER F :</td><td></td></tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : <b>CNA</b>		INSURER B :		INSURER C :		INSURER D :		INSURER E :		INSURER F :	
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**COVERAGES**

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS																					
<b>A</b>	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> <b>CLAIMS-MADE</b> <input checked="" type="checkbox"/> <b>OCCUR</b> <input checked="" type="checkbox"/> <b>Contractual Liability</b>  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC			4017690971	09/01/2012	09/01/2013	<table border="1"> <tr><td>EACH OCCURRENCE</td><td>\$</td><td>1,000,000</td></tr> <tr><td>DAMAGE TO RENTED PREMISES (Ea occurrence)</td><td>\$</td><td>300,000</td></tr> <tr><td>MED EXP (Any one person)</td><td>\$</td><td>10,000</td></tr> <tr><td>PERSONAL &amp; ADV INJURY</td><td>\$</td><td>1,000,000</td></tr> <tr><td>GENERAL AGGREGATE</td><td>\$</td><td>2,000,000</td></tr> <tr><td>PRODUCTS - COMP/OP AGG</td><td>\$</td><td>1,000,000</td></tr> <tr><td></td><td>\$</td><td></td></tr> </table>	EACH OCCURRENCE	\$	1,000,000	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$	300,000	MED EXP (Any one person)	\$	10,000	PERSONAL & ADV INJURY	\$	1,000,000	GENERAL AGGREGATE	\$	2,000,000	PRODUCTS - COMP/OP AGG	\$	1,000,000		\$	
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<b>A</b>	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> <b>N</b> <b>Y/N</b> <b>N/A</b> <small>(Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below</small>			4017691120	09/01/2012	09/01/2013	<table border="1"> <tr><td><input checked="" type="checkbox"/> <b>WC STATUTORY LIMITS</b> <input type="checkbox"/> <b>OTHER</b></td><td></td><td></td></tr> <tr><td>E.L. EACH ACCIDENT</td><td>\$</td><td>500,000</td></tr> <tr><td>E.L. DISEASE - EA EMPLOYEE</td><td>\$</td><td>500,000</td></tr> <tr><td>E.L. DISEASE - POLICY LIMIT</td><td>\$</td><td>500,000</td></tr> </table>	<input checked="" type="checkbox"/> <b>WC STATUTORY LIMITS</b> <input type="checkbox"/> <b>OTHER</b>			E.L. EACH ACCIDENT	\$	500,000	E.L. DISEASE - EA EMPLOYEE	\$	500,000	E.L. DISEASE - POLICY LIMIT	\$	500,000									
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E.L. DISEASE - POLICY LIMIT	\$	500,000																										
<b>A</b>	<b>Professional Liability w/ Contr. Pollution Liab</b>			EEH288310861	09/01/2012	09/01/2013	<table border="1"> <tr><td>Per Occurrence</td><td></td><td>1,000,000</td></tr> <tr><td>Aggregate</td><td></td><td>3,000,000</td></tr> </table>	Per Occurrence		1,000,000	Aggregate		3,000,000															
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DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Thirty (30) Notice of Cancellation in favor of the certificate holder.

Michigan State Housing Development Authority is listed as additional insured with respect to general liability only.

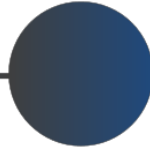
**CERTIFICATE HOLDER****CANCELLATION**

(517) 373-8370 (517) 335-4797

Michigan State Housing  
Development Authority  
735 E Michigan Ave  
Lansing MI 48909-

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



March 27, 2012

Ms. Lori Harris  
Norstar Development USA, L.P.  
733 Broadway  
Albany, New York 12207

**Re: MSHDA Compliant Environmental Services  
Phase I ESA/Asbestos Survey/LBP Insp-RA/Radon/NEPA  
Ann Arbor Housing Commission – Miller Manor  
727 Miller Avenue, Ann Arbor, Michigan  
ERG Proposal #1126r.001p**

Dear Ms. Harris,

Environmental Resources Group, LLC (ERG) is pleased to present this proposal to provide MSHDA Compliant Environmental Services for the referenced property in Ann Arbor, Michigan. ERG understands that the subject property is scheduled for renovation and that MSHDA financing is proposed. Our proposed scope of services is described below:

### **Scope of Work**

**Phase I ESA** - ERG will complete a Phase I ESA for the subject property and provide a written report summarizing the work performed, results, and conclusions. This ESA will be performed in general accordance with the All Appropriate Inquiry (AAI) rules, ASTM E 1527-05 protocol for Phase I ESAs and MSHDA Environmental Review Requirements For 2013. If out-of-scope considerations are requested, ERG will provide an additional fee estimate to assess these at the subject property.

**Asbestos Survey** – The asbestos survey will be performed by accredited Asbestos Inspectors in general accordance with NESHAP Guidelines. The survey will encompass visually accessible building materials and include the collection of bulk samples, which will be submitted for laboratory analysis by the PLM method. Please note that the proposed level of effort is based on the understanding that the subject building(s) is occupied, and that destructive methods to access areas/materials that are not readily observable (i.e. within wall/ceiling cavities, below finished flooring etc.) will not be performed. Therefore, it is possible that additional suspect materials may be encountered during renovation activities, and if so, additional sampling costs will be incurred. In addition, in an effort to avoid damage to the building envelope (and the potential to void warranties), roofing materials will not be sampled and will be assumed to be asbestos containing. If specifically requested, ERG can perform sampling of suspect roofing materials; however Client will be solely responsible for repairing the sampled areas. Sample analysis will be performed on a standard (5 business day) turnaround basis.

The proposed scope includes the collection and PLM analysis of suspect asbestos containing building materials. Certain materials may have more than one layer (i.e. floor tile typically has 2 layers – tile and mastic). It is estimated that 350-425 sample layers will require analysis. Actual analytical costs will be based on the number of sample layers analyzed. The unit cost for each sample layer analyzed is \$11.00.

**Lead Based Paint Inspection and Risk Assessment** – A LBP Inspection and Risk Assessment will be performed in accordance with HUD's "Guidelines for the Evaluation and Control of Lead-Based Paint in Housing". The number of units to be evaluated (25) is based on the HUD approved "random method" and the actual units to be evaluated will be determined using a random number generator. The inspection will be performed with an XRF meter. Reasonable efforts will be made to inspect and assess building components; however there may be cases where occupant furnishings limit access. The risk assessment will include the collection and analysis of lead dust wipe and soil samples. Analysis of the samples will be performed on a standard (5 business day) turnaround basis.

The proposed scope includes the collection and laboratory analysis of dust wipe and soil samples. It is estimated that 260-310 samples will require analysis. Actual analytical costs will be based on the number of sample layers analyzed. The unit cost for each sample analyzed is \$8.00.

**Radon Testing** – MSHDA requires radon testing for all developments located in Washtenaw County. MSHDA radon testing requirements follow MDEQ recommendations for multifamily housing which are that the lowest livable level of each unit in contact with the ground be tested. It is assumed that a maximum of 15 units will require radon testing, therefore up to 15 radon samples will be collected for analysis. Analysis of the samples will be performed on a standard (5 business day) turnaround basis. The unit cost for the collection and laboratory analysis of radon samples is \$50.00.

**NEPA Review** – MSHDA guidance requires that "categorically excluded projects" (which include the majority of initial submissions to MSHDA Rental Development), must demonstrate compliance with certain federal laws and related authorities through completion of the NEPA statutory checklist. ERG assumes that the proposed redevelopment of the subject property is a categorically excluded project.

The NEPA statutory checklist will be completed by a subcontracted environmental professional listed on MSHDA's Qualified Consultant List.

## **COMMENTS**

In order to complete the proposed project tasks in an efficient manner, cooperation between team members (Client, ERG and the Housing Commission) is crucial. The proposed scope of work and costs are based on the assumption that significant access issues will not be encountered. In the event that additional mobilizations are required due to lack of access, additional costs will be incurred.

Lori Harris – Norstar Development USA, L.P.

March 27, 2013

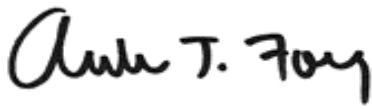
Page 3

ERG's General Conditions and Fee and Rate Schedule are attached and made part of this proposal. This proposal will expire in 60 days. If this proposal meets with your approval, please sign in the space provided on the attached Professional Services Authorization and return a copy to us.

Thank you for the opportunity to provide this proposal to you. If you have any questions, please contact us at 248-763-3639.

Sincerely,

**ENVIRONMENTAL RESOURCES GROUP, INC.**

A handwritten signature in black ink that reads "Andrew J. Foerg". The signature is written in a cursive, flowing style.

Andrew J. Foerg, CPG  
Senior Project Manager

Enclosures

**PROFESSIONAL SERVICES AUTHORIZATION**

**Fee Estimate Prepared For:** Ms. Lori Harris  
Norstar Development USA, L.P.  
733 Broadway  
Albany, New York 12207

**Site Address:** Miller Manor  
727 Miller Avenue  
Ann Arbor, MI

**Type of Project:** MSHDA Compliant Environmental Services  
**Proposal #:** 1126r.001p

**Project Description** MSHDA Compliant Environmental Services, Miller Manor

**Fee Estimate:**

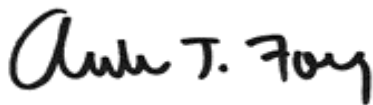
Phase I ESA	\$3,300	Lump Sum
ACM Survey*	\$6,325	Labor/Materials
Lead Based Paint**	\$4,400	Labor/Materials
Radon***	\$750	15 samples
NEPA	\$1,200	Lump Sum

\*Fee Estimate includes labor and materials only. Unit rate per sample layer analyzed is \$11.00.

\*\* Fee Estimate includes labor and materials only. Unit rate per sample analyzed is \$8.00.

\*\*\* Fee Estimate includes labor, materials and sample analysis at unit rate per sample of \$50.00.

Attached and made part of this Fee Estimate are ERG's General Conditions. Invoice payments are due within 30 days of receipt. Client agrees to pay a finance charge of one and one-half percent (1-1/2%) per month on past due accounts.



Offered by: \_\_\_\_\_ Date: March 27, 2013

Accepted by: \_\_\_\_\_ Date: \_\_\_\_\_

PROFESSIONAL SERVICES FOR CONSULTATION

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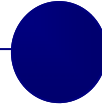
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Offered by: Andrew T. Foy Date: March 27, 2013  
Accepted by: [Signature] Date: 4/3/13



# General Terms and Conditions for Environmental Resources Group, LLC

1. Environmental Resources Group, LLC. (ERG) shall invoice Client periodically for the services performed under this Agreement based on ERG's current fee schedule of charges. Client shall pay such invoices upon receipt. The invoice amounts shall be presumed to be correct unless the client notifies ERG in writing within fourteen (14) days of receipt. The Client agrees to pay actual attorney fees and costs necessary to collect on past due accounts.
2. If Client fails to pay an invoice when due, ERG may suspend all services until invoice is paid in full. If payment in full is not made within sixty (60) days of invoice date, ERG may treat such nonpayment as a material breach of this agreement by the client and may terminate this agreement.
3. ERG shall perform its services in a manner consistent with the standard of care and skills ordinarily exercised by members of the profession practicing under similar conditions in the geographical vicinity and at the time the services were performed. This agreement neither makes nor intends a warranty or guarantee, express or implied, nor does it create a fiduciary responsibility to the Client by ERG. ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS, AND WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE ARE HEREBY EXCLUDED TO THE EXTENT ALLOWED BY APPLICABLE LAW.
4. Services provided under this agreement, including all reports, information, or recommendations prepared or issued by ERG, are for the exclusive use of the client for the project specified. No other use is authorized under this agreement. Client will not distribute or convey ERG's reports or recommendations to any person or organization other than those identified in the project description without ERG's written authorization. Client releases ERG from liability and agrees to defend, indemnify, protect and hold harmless ERG from any and all claims, liabilities, damages, or expenses arising, in whole or in part, from such unauthorized distribution.
5. ERG shall sign certifications only if ERG approves the form of such certification prior to the commencement of services, and provided such certification is limited to a statement of professional opinion and does not constitute a warranty or guarantee, express or implied.
6. ERG's reports, boring logs, maps, field data, drawings, test results, and other similar documents are instruments of professional service, not products. ERG reserves the right to copyright such documents; however, such copy right is not intended to limit the client's use of the services provided under this agreement other than described in paragraph 4.
7. Client will make available to ERG all known and available information regarding existing conditions, including the existence of hazardous or dangerous materials, and proposed uses of the project site. Client will transmit immediately to ERG any information that becomes available or any change in plans. Client agrees to defend, indemnify protect, and hold harmless ERG from any and claims, liabilities, damages, or expenses arising, in whole or in part, from such information.
8. Client shall secure the permission necessary to allow ERG personnel and equipment to access to the Project Site at no cost to ERG.
9. The Client shall be responsible for correctly designating the location of all property lines of the project site and all subsurface installations, such as pipes, tanks, cable, electrical lines, telephone line and utilities within the project site unless otherwise agreed in writing.
10. ERG is not responsible for the completion or quality of work that is dependent upon or performed by the Client or third parties not under the direct control of ERG, nor is ERG responsible for their acts or omissions or for any damages resulting there from.
11. Neither Client nor any other person may change or modify ERG's work product without ERG's written authorization. Client releases ERG from liability and agrees to defend, indemnify, protect, and hold harmless ERG from any and all claims, liability, damages, or expenses arising, in whole or in part, from such unauthorized changes or modifications.
12. Client waives any claim against ERG and agrees to defend, indemnify, protect and hold harmless ERG from any and all claims, liabilities, damages or expenses, including but not limited to reduction of property value, fear of or actual exposure to or release of toxic or hazardous substances, which may arise directly or in directly as a result of the service provided by ERG under this agreement, unless such injury is caused by the sole negligence or willful misconduct of ERG. IN NO EVENT SHALL EITHER PARTY BE LIABLE FOR ANY SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, LOST PROFITS OR ANY INDIRECT DAMAGES, HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY WHETHER BASED ON BREACH OF CONTRACT, BREACH OF WARRANTY OR TORT (INCLUDING NEGLIGENCE).
13. Client agrees to limit ERG's liability due to professional negligence and to any liability arising out or relating to this agreement to fifty thousand dollars (\$50,000) or the amount of ERG's fee, whichever is less. This limit applies to all services on this project, whether provided under this or subsequent agreements, unless modified in writing, agreed to and signed by authorized representatives of the parties.
14. Client agrees to require that its contractors and subcontractors engaged on the project will include identical limitation as described in paragraph 13 reducing ERG's liability in their agreement for work on this project.
15. Client agrees that if any dispute arising out of or relating to this agreement, or its breach, is not settled through direct discussions, then before initiating litigation, the parties will endeavor for 30-days following written notice by either the client or ERG to the other of a dispute or breach, to settle the dispute by mediation with the assistance of a neutral mediator.
16. ERG is protected by Workers' Compensation Insurance; Professional errors and omissions and Contractors pollution liability insurance with a combined single coverage of \$1,000,000; Commercial automobile liability insurance with a combined single coverage of \$1,000,000. if requested in writing, the client will be listed as additionally insured for this work.
17. Client will be responsible for jobsite safety, except for ERG's employees, subcontractors and subconsultants.
18. All samples shall remain the property of the Client, and Client shall be responsible for and promptly pay for the removal and lawful disposal of samples, cuttings, and hazardous materials, unless otherwise agreed in writing.
19. Client solely shall be responsible for notifying all appropriate municipal, regional, state, or federal agencies and prospective buyers of the existence of any hazardous or dangerous material located on or in the project site, or discovered during the performance of this agreement, as may be required by such agencies, unless otherwise agreed in writing.
20. In the event ERG's work is interrupted due to delays other than delays caused by ERG, ERG may be compensated equitably (based on ERG's current fee schedule of charges) for the additional labor or other charges associated with maintaining its work force for Client's benefit during the delay or at the option of the Client, for charges incurred by ERG for demobilization and subsequent remobilization.
21. If, during the course of performance of this agreement, conditions or circumstances are discovered which were not contemplated by either the client or ERG at the commencement of this agreement, either the client or ERG should notify in writing of the newly discovered condition or circumstance and the Client and ERG shall renegotiate, in good faith, the terms and conditions of this agreement. If amended terms and conditions cannot be agreed upon within thirty (30) days after notice, ERG may terminate this agreement and be compensated under paragraph 22 in this agreement.
22. This agreement may be terminated by either party upon ten (10) days written notice sent by certified mail, return receipt requested. In the event of a termination, Client shall pay for all work performed and demobilization by ERG though the tenth (10<sup>th</sup>) day after mailing the notice of termination based on ERG's current fee schedule of charges. The limitation of liability and indemnity obligation of this agreement shall be binding notwithstanding any termination of this agreement.
23. Except for actions, such as for enforcement of Mechanic's liens, which are required by statute to be brought in a specific venue, in the event that litigation is instituted under the terms of this agreement, the same is to be brought and tried in the judicial jurisdiction of the State of Michigan. Client waives the right to have the suite brought, or tried in, or removed to, any other State and in all cases this agreement shall be governed by Michigan law.
24. Neither the Client nor ERG shall assign its interest in this agreement without the written consent of the other.
25. ERG's services are performed as an independent consultant and not as the Client's agent, partner, or joint venture.
26. This agreement, including ERG's written proposal, change orders and Fee Schedule incorporated herein by reference, represent the entire agreement and supersede any prior or subsequent communication, representations or oral agreements, of the parties. The terms of this agreement will prevail over any different or additional terms in the Clients purchase order or other forms unless agreed in writing by ERG. Any modifications to this agreement shall be in writing and signed by an authorized representative of both parties. In the event any provision of this agreement is held invalid or unenforceable, the other provisions will remain in full force and effect, and binding upon the parties.



# ERG

## *FEE AND RATE SCHEDULE*

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### **Personnel Functions:**

The following expenses will be incurred on a time-and-materials basis. Personnel will be charged based on their function to the project.

Principal	\$150/hour
Senior Project Manager	\$125/hour
Project Manager	\$100/hour
Senior Engineer/Scientist	\$95/hour
Staff Engineer/Scientist	\$90/hour
Senior Technician	\$75/hour
Environmental Technician	\$60/hour
Administrative/CADD	\$55/hour

Services for expert witness testimony at depositions or court appearances will be charged at two times the standard fee rate given above.

### **Reimbursable Expenses:**

The following expenses, when incurred in direct connection with a project, will be charged at the rates given.

Vehicle Usage	
4 x 4 Vehicle	\$1.10/mile
Passenger Vehicle	\$.75/mile
Out of Town Travel	Cost
Field Equipment	Daily Rental Rate*
Field Supplies	Usage Rate*
Subcontractor Services	Cost + 15%
Sustenance	Cost

\*For specific information, refer to ERG's Field Supply and Equipment Usage Form.

**Invoices:** Payment terms are "Net 30 Days." Client agrees to pay a finance charge of one and one-half percent (1-1/2%) per month on past due accounts.