



## **Phase I Environmental Site Assessment**

### ***Plymouth Creek from Plymouth Creek Park to Annapolis Lane***

***Plymouth, Minnesota***

***November 2015***

Prepared for  
Bassett Creek Watershed Management Commission

November 5, 2015

# Phase I Environmental Site Assessment

## Plymouth Creek from Plymouth Creek Park to Annapolis Lane Plymouth, Minnesota November 2015

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# 1.0 Introduction

Barr Engineering Co. (Barr) was retained by the Bassett Creek Watershed Management Commission (BCWMC) to complete a Phase I Environmental Site Assessment (Assessment) of an approximately 2,800-foot long reach of Plymouth Creek. The property is located in the SE ¼ of Section 16, NE ¼ of NE ¼ of Section 21, and NW ¼ of NW ¼ of Section 22, T118N, R22W, in the City of Plymouth, Hennepin County, Minnesota (Property). The Property location is shown on Figure 1.

This report summarizes the findings, opinions, and conclusions of the Assessment. Detailed descriptions of the Property setting, utility information, land-use history, regulatory history, and current Property conditions and features are presented in the Phase I documentation in Appendix A. Informational resources are described in Section 5 of this report and are assigned unique reference numbers, which are used throughout the report and Appendix A.

Barr has performed this Assessment in conformance with ASTM, International (ASTM) Practice E 1527-13 (Practice). No intentional deviations from the Practice were made in performing this Assessment except as described in Section 1.4. In following the Practice, this Assessment also complies with the U.S. Environmental Protection Agency 40 CFR Part 312 Standards and Practices for All Appropriate Inquiries; Final Rule.

## 1.1 Purpose

The purpose of the Assessment is to identify recognized environmental conditions (RECs) in connection with the Property as defined by the Practice and discussed in the findings and opinions section of the report, and to support planning for a streambank stabilization project. The details of the stabilization project are not yet defined but are anticipated to include measures such as bank flattening, rip rap placement, root wad installation and rock/log vane installation. It is anticipated that the channel alignment will not be changed as part of the stabilization project. As such, the channel, banks and areas immediately surrounding are the focus of the Assessment.

## 1.2 Scope of Services

The Assessment involved completion of the following five components described in Section 7 of the Practice: records review, site reconnaissance, interviews, reporting, and file reviews. The following tasks were completed during the Assessment. The details of each task are described below and in Appendix A.

### Records Review

- A Regulatory Database Report was obtained and federal, state, and readily available tribal records databases were reviewed.
- USGS topographic maps were reviewed and used to determine physical setting information.
- Discretionary physical setting sources including Minnesota Department of Health well and boring records for wells in the Property vicinity and a published geological report were reviewed and used to determine physical setting information.



- Historical aerial photographs; historical maps; reverse city directories; zoning, and tax assessor's records; and a plat map were reviewed for the Property and surrounding land.
- A fire insurance map search was conducted and no fire insurance maps were available for the Property.
- Fire department records were reviewed.
- The Minnesota Pollution Control Agency's (MPCA) What's in My Neighborhood (WIMN) was reviewed to supplement regulatory data.

#### Site Reconnaissance

- A visual inspection was conducted of the exterior features on the Property. Current conditions with respect to land use; chemical and waste storage, use, and disposal; facility operations and equipment; utilities; and evidence of potential releases of petroleum products or hazardous substances were documented, if observed. Evidence of historical uses or conditions, if encountered, was also documented. Current land-use and occupants of neighboring properties were documented during the site visit.

#### Interviews

- Interviews were conducted with the Property owner, the City of Plymouth public works department, and the City of Plymouth fire department.

#### Evaluation and Report Preparation

- This report was prepared to document the resources used during completion of the Assessment and to describe the findings, opinions, and conclusions of the Assessment.

#### File Review

- The Property was not identified on any of the standard environmental record sources, so a file review was not conducted.
- The adjoining property, 3540 Fernbrook Avenue N. was identified in the LUAST database, groundwater contamination was not identified; therefore a file review was not conducted.

## **1.3 Significant Assumptions**

The following significant assumptions were made to complete the Assessment:

- The detailed history of ownership and land-use to satisfy the requirements and purpose of the Assessment was determined from the activities listed in Section 1.2, Scope of Work, and a title review was not needed. Lack of a title review is not a significant data gap.
- Property boundaries do not follow typical property boundaries, therefore the Property has been assumed to include the creek channel and banks from where the creek crosses under the pedestrian bridge to the west side of Annapolis Lane (Figure 2).

## 1.4 Limitations, Exceptions, and Data Gaps

The following limitations and exceptions are associated with this Assessment:

- Gaps of greater than five years in historical documentation are present, and are summarized in the following table.

Date Range	Property Changes
Prior to 1856	Historical documentation was not readily ascertainable; therefore, changes in general Property land-uses are unknown.
1856 to 1873 1873 to 1896 1902 to 1913 1914 to 1937 1940 to 1947 1947 to 1953 1957 to 1964	Gaps greater than five years in historical documentation are present; however, general Property land-uses did not change during the time periods.

Potentially Significant Data Gap	Sources of Information Consulted to Address Data Gap	Opinion on Significance of Data Gap
<p><b>One of the Property owners was not interviewed.</b></p> <p>The owner of parcel 22-118-22-22-0030, to the east of Fernbrook Lane which intersects the creek was not contacted. Stabilization work is proposed to occur on this parcel in the future.</p>	<p>Historical documentation including aerial photographs, topographic maps, local street directories, zoning records, HIG Report, site visit were used to address the data gap. The City of Plymouth has a conservation easement agreement with the parcel owner.</p>	<p>This is a significant data gap. Prior to commencement any bank stabilization efforts on this parcel it is recommended the owner be interviewed.</p>

## 1.5 Special Terms and Conditions

The Assessment was conducted in accordance with an Agreement between Barr and BCWMC.

The scope of the Assessment did not involve the collection and analysis of any type of sample. The Assessment did not involve completion of any surveys or the offering of any opinions or advice with respect to structural engineering matters, asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, compliance with environmental regulations, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, biological agents, mold, or other conditions that are beyond the scope of the Practice.

Barr has performed its work in a manner consistent with the care and skill ordinarily exercised by members of the environmental profession under similar budget and time constraints. Within this context, Barr assumes responsibility for its own observations, along with its interpretation of the information gathered. No other warranty is made or intended.

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Barr assumes responsibility for its own observations, along with its interpretation of the information gathered. No other warranty is made or intended.

Because Barr was not retained to verify information, Barr assumes no responsibility for the accuracy of information that it obtained from other sources including, without limitation, regulatory and government agencies, persons interviewed about the Property, and vendors of public data. Performance of the Practice is intended to reduce, but will not eliminate uncertainty regarding the presence of recognized environmental conditions on the Property. To the extent that Barr does not identify recognized environmental conditions on the Property, Barr's opinions in the report are not representations that the Property is free of such conditions. Under no circumstances can Barr represent or warrant that releases of hazardous substances or petroleum products do not exist on the Property.

## **1.6 User Reliance**

The Assessment has been prepared for the exclusive use of BCWMC, herein referred to as the "Users". No others may rely on the Assessment without obtaining a formal authorization in the form of a reliance letter from Barr. Barr will provide reliance letters for additional parties only if authorized by the Users.

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## 2.0 Site Description

### 2.1 Location and Legal Description

The Property is located in the SE  $\frac{1}{4}$  of Section 16, NE  $\frac{1}{4}$  of NE  $\frac{1}{4}$  of Section 21, and NW  $\frac{1}{4}$  of NW  $\frac{1}{4}$  of Section 22, T118N, R22W, in the City of Plymouth, Hennepin County, Minnesota (Property). The Property is approximately 2,800 feet long and 6.47 acres in size, which includes a 50-foot buffer from the centerline of the creek. The Property boundaries are shown on Figure 2.

### 2.2 Property Setting and Land Use

Topography of the Property generally slopes inward towards the creek channel and slopes to the southeast. The channel is incised approximately one to five feet on average. The shallow groundwater flow direction at the Property is considered to be southwest towards Medicine Lake (Refs. 1e, 2a).

The Property is a stream corridor. The parcels which intersect the creek are zoned public/institutional and multiple family. No buildings are located on the Property. Historically agricultural land existed on the Property and adjacent properties.

The current use of adjoining properties includes single and multi-unit residential neighborhood to the south, east and northeast, undeveloped marsh land to the west and a public park to the northwest.

Additional descriptions of the Property setting and land-use are presented in Appendix A.

### 2.3 User-Provided Information

As detailed in Section 6 of the Practice, the User has responsibilities associated with identifying possible recognized environmental conditions in connection with the Property. Barr provided a User Questionnaire on November 4, 2015 to facilitate gathering information required by the Practice. The completed User Questionnaire is included in Appendix F.

The User has no knowledge of any environmental liens or activity and use limitations against the Property, nor any specialized knowledge or experience that is material to identifying recognized environmental conditions in connection with the Property. Since no sale is pending or imminent, no information was provided to the environmental professional regarding the relationship between a potential purchase price and fair market value. Property valuation is not part of the scope of this Assessment. The User did not report conditions indicative of releases or threatened releases, any obvious indicators that point to the presence or likely presence of contamination at the Property, or specialized knowledge about the Property related to the items listed in Section 6 of the Practice (Ref. 4h, Appendix F).

## 3.0 Findings and Opinions

This section summarizes observations regarding the presence of hazardous substances or petroleum products on the Property (findings) and discusses the basis for concluding if a finding is or is not a recognized environmental condition.

### 3.1 Definitions

*Finding* – For the purpose of this Assessment, a finding is an observation regarding the presence of hazardous substances or petroleum products on the Property which may be considered a recognized environmental condition, a historical recognized environmental condition, or de minimis condition.

*Recognized environmental condition (REC)* - A REC is defined by the Practice as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.”

*Historical recognized environmental condition (HREC)* - An HREC is defined by the Practice as “a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.”

*Controlled recognized environmental condition (CREC)* – A CREC is defined by the Practice as “a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report.”

*Recognized environmental condition (REC)* - For the purpose of this Assessment, a REC is the presence or likely presence of any hazardous substances, pollutants, contaminants, petroleum and petroleum

products, or controlled substances (as defined in 21USC 802) on a property under conditions that indicate an existing release, a past release or a material threat of a release into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.

*De minimis conditions* – As defined by the Practice, conditions determined to be “de minimis” generally do not present a threat to human health or the environment and generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies. De minimis conditions are not considered RECs.

### 3.2 Findings and Opinions

Barr has identified the following findings and developed the following opinions regarding these findings, as summarized in the following table.

Finding ID #	Description of Finding	Opinion with Respect to Finding (REC, CREC, HREC, de minimis)	REC ID #
1	<b>Potential impact to the property from off-site source:</b> 3450 Fernbrook Lane discovered a release of fuel oil 1 & 2 on June 25, 1992 and documented in an excavation report. A No Further Action report was issued on August 2, 1992.	Based on the excavation report filing it is assumed the fuel oil tank was been removed. Additionally the MPCA Leaks and Tanks Site online database (Ref. 5f) reports that groundwater contamination does not exist. Therefore, this finding is not a REC. No evidence of petroleum impacts (e.g., oil sheen) were observed during the site visit on the bank adjacent to the property.	NA
2	<b>Evidence of on-site dumping:</b> Debris including, one residential hot water heater, a vehicle hub-cap, plastic, cut wood and a yellow boom were observed on the creek bank east of Fernbrook Lane.	The debris observed is consistent with occasional, scattered surface debris commonly found in vacant areas of the urban environment. There was no indication that the debris represent concentrated dumping activities or the presence of a larger volume of subsurface dump area, and there was no visual indication of a potential release of petroleum or hazardous substances. Based on those observations, the debris are viewed as a de minimis conditions and therefore this finding is not a REC.	NA

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## 4.0 Conclusions

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the SE  $\frac{1}{4}$  of Section 16, NE  $\frac{1}{4}$  of NE  $\frac{1}{4}$  of Section 21, and NW  $\frac{1}{4}$  of NW  $\frac{1}{4}$  of Section 22, T118N, R22W, in the City of Plymouth, Hennepin County, Minnesota, the Property. 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 in connection with the Property.

### 4.1 Deviations

There were no deletions, deviations from, or additions to the Practice associated with the Assessment other than the limitations and exceptions listed in Section 1.4.

## 5.0 References

The following resources are numbered for use as references.

Ref #	Resource	Years Covered or Item Date
<b>Standard Historical Resources</b>		
1a	Aerial Photographs	1937, 1940, 1947, 1953, 1957, 1964, 1969, 1979, 1984, 1991, 1997, 2003, 2008, 2013
1b	Fire Insurance Maps	Not Available
1c	Property Tax Files	2014
1d	Recorded Land Title Records	Not Reviewed
1e	USGS Topographic Maps	1896, 1902, 1955, 1967, 1972, 1980, 1993, 2013
1f	Local Street Directories	1967, 1972, 1977, 1982, 1988, 1992-1993, 1997-1998, 1999, 2002, 2007, 2012
1g	Building \ Department Records	Not Reviewed
1h	Zoning/Land Use Records	City of Plymouth Zoning Map, dated November 25, 2015
1i	Other Historical Sources: Historical Maps	1856, 1873, 1898, 1913, 1914
1j	Prior Assessments opportunities	Not Available
<b>Discretionary and Non-Standard Physical Setting Sources</b>		
2a	Published Geologic Report Balaban, N.H. 1989. <i>Geologic Atlas Hennepin County, Minnesota</i> . Minnesota Geological Survey.	1989
2b	Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey. Available online at <a href="http://websoilsurvey.nrcs.usda.gov/">http://websoilsurvey.nrcs.usda.gov/</a>	Accessed September 18, 2015
<b>Standard Environmental Record Sources</b>		
3a	HIG Report (Appendix D)	September 15, 2015
3b	<a href="http://www.pca.state.mn.us/index.php/data/wimn-whats-in-my-neighborhood/whats-in-my-neighborhood.html">What's in My Neighborhood? October 5, 2015. Minnesota Pollution Control Agency. October 6, 2015. &lt;http://www.pca.state.mn.us/index.php/data/wimn-whats-in-my-neighborhood/whats-in-my-neighborhood.html&gt;</a>	October 6, 2015
<b>Interviews</b>		
4a	Property Owner/Key Site Manager: <i>Diane Evans, Director of Parks &amp; Recreation, City of Plymouth, 763-509-5201.</i>	October 6, 2015
4b	Public Works/City Engineering: <i>Peter Moen, Sanitary &amp; Storm Utilities Supervisor, 763-509-592, pmoen@plymouthmn.gov</i>	September 22, 2015
4c	Public Works/City Engineering:	October 6, 2015



Ref #	Resource	Years Covered or Item Date
	<i>Ben Scharenbroich, Water Resource Technician 763-509-5527 bscharenbroich@plymouthmn.gov</i>	
4d	Public Works/City Engineering: <i>Derek Asche, Water Resources Manager dasche@plymouthmn.gov</i>	October 6, 2015
4e	Public Works/City Engineering: <i>Scott Newberger, Utilities Manger 763-509-5999 snewberf@plymouthmn.gov</i>	October 6, 2015
4f	City of Plymouth Zoning Authority Zoning map available online at <a href="http://www.plymouthmn.gov/modules/ShowDocument.aspx?documentid=367">http://www.plymouthmn.gov/modules/ShowDocument.aspx?documentid=367</a>	Accessed September 18, 2015
4g	City of Plymouth Fire Department: <i>Name, Position, Phone No.</i>	October 6, 2015
4h	User Representative: Laura Jester, BCWMC Administrator, 952-270-1990 <i>Name, Position, Phone No</i>	November 4, 2015
<b>Supplemental Resources</b>		
5a	Minnesota Department of Health County Well Index. Available online at <a href="http://www.health.state.mn.us/divs/eh/cwi/">http://www.health.state.mn.us/divs/eh/cwi/</a>	Accessed September 18, 2015
5b	Site Visit Michelle Waters, Geoscientist, 952-842-3572	September 16, 2015
5c	Plymouth Public Works Department Records	May 28, 2015
5d	Disc Golf Course Review Available online at <a href="http://www.dgcoursereview.com/course.php?id=269">http://www.dgcoursereview.com/course.php?id=269</a>	Accessed on October 28, 2015
5f	Minnesota Pollution Control Agency, Leaks and Tanks Site available online at <a href="http://www.pca.state.mn.us/index.php/waste/waste-and-cleanup/waste-management/tank-compliance-and-assistance/minnesota-aboveground-/-underground-storage-tank-site-search-data.html">http://www.pca.state.mn.us/index.php/waste/waste-and-cleanup/waste-management/tank-compliance-and-assistance/minnesota-aboveground-/-underground-storage-tank-site-search-data.html</a>	Accessed on October 6, 2015

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## 6.0 Signature and Qualifications of Environmental Professional

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

Barr performed this Assessment in conformance with the ASTM, International (ASTM) Practice E 1527-13. Special terms, conditions, limitations, and exceptions that apply to the Assessment are described throughout this Report and in the Appendices

  
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Dan Fetter, Environmental Professional

11/5/15  
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11/5/15

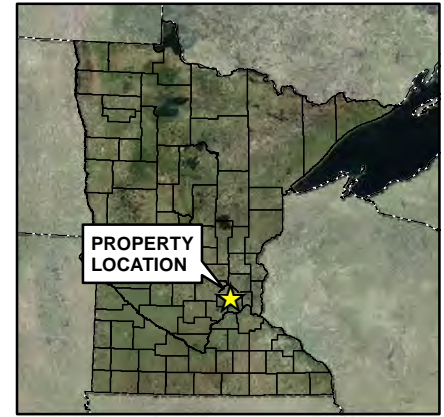
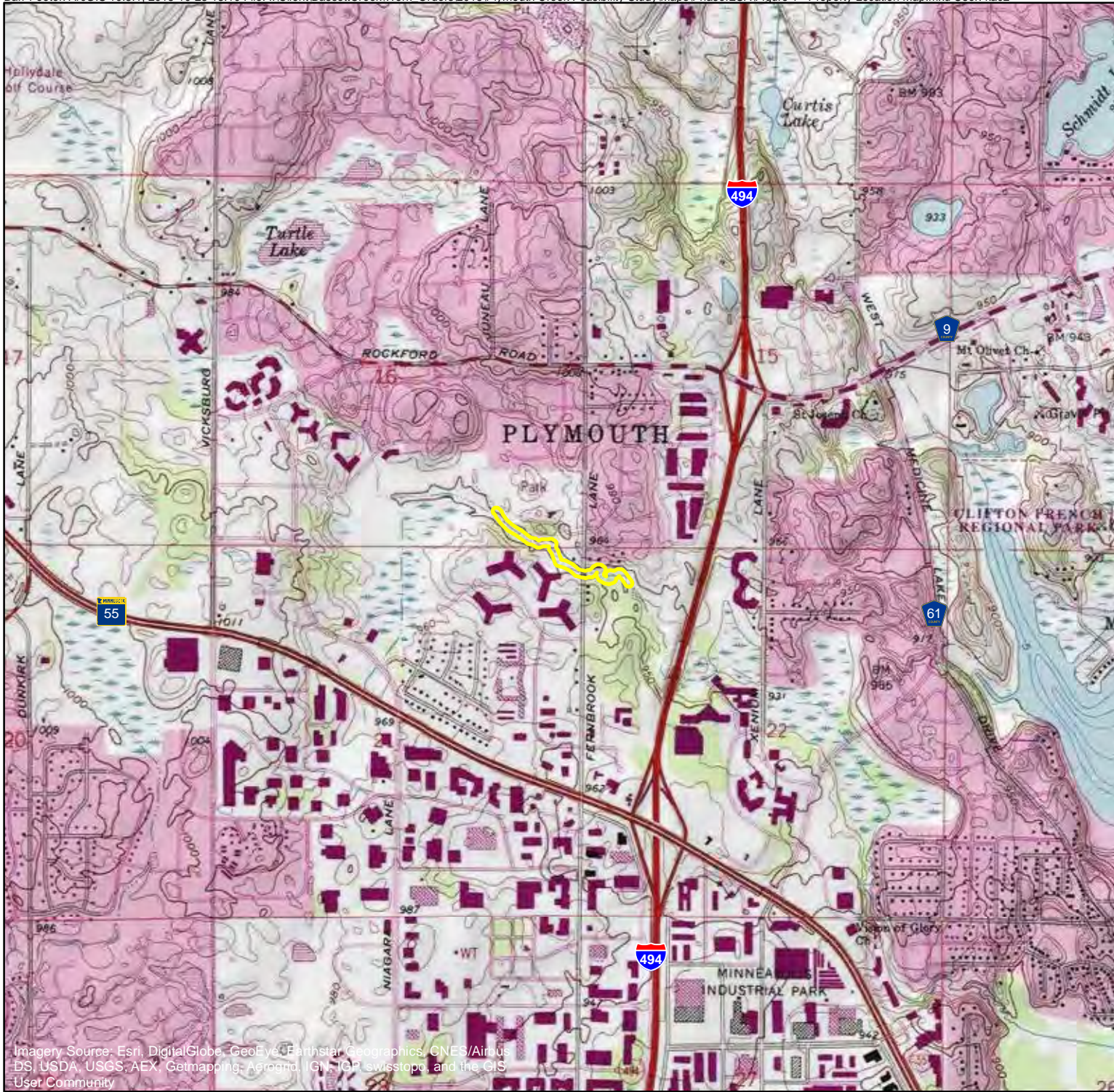
  
\_\_\_\_\_  
Michelle Waters, Environmental Support Staff

11/5/15  
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11/5/15

Qualifications of the Environmental Professional are summarized in Appendix G.

## Figures





 Property Location

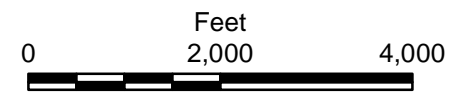






Figure 1  
PROPERTY LOCATION MAP  
Basset Creek  
Plymouth, MN





-  Property Location
-  3540 Fernbrook Ln.
-  Approximate Disc Golf Course Area
-  Creek Centerline

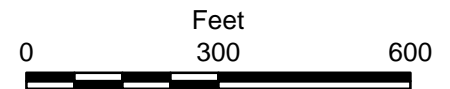
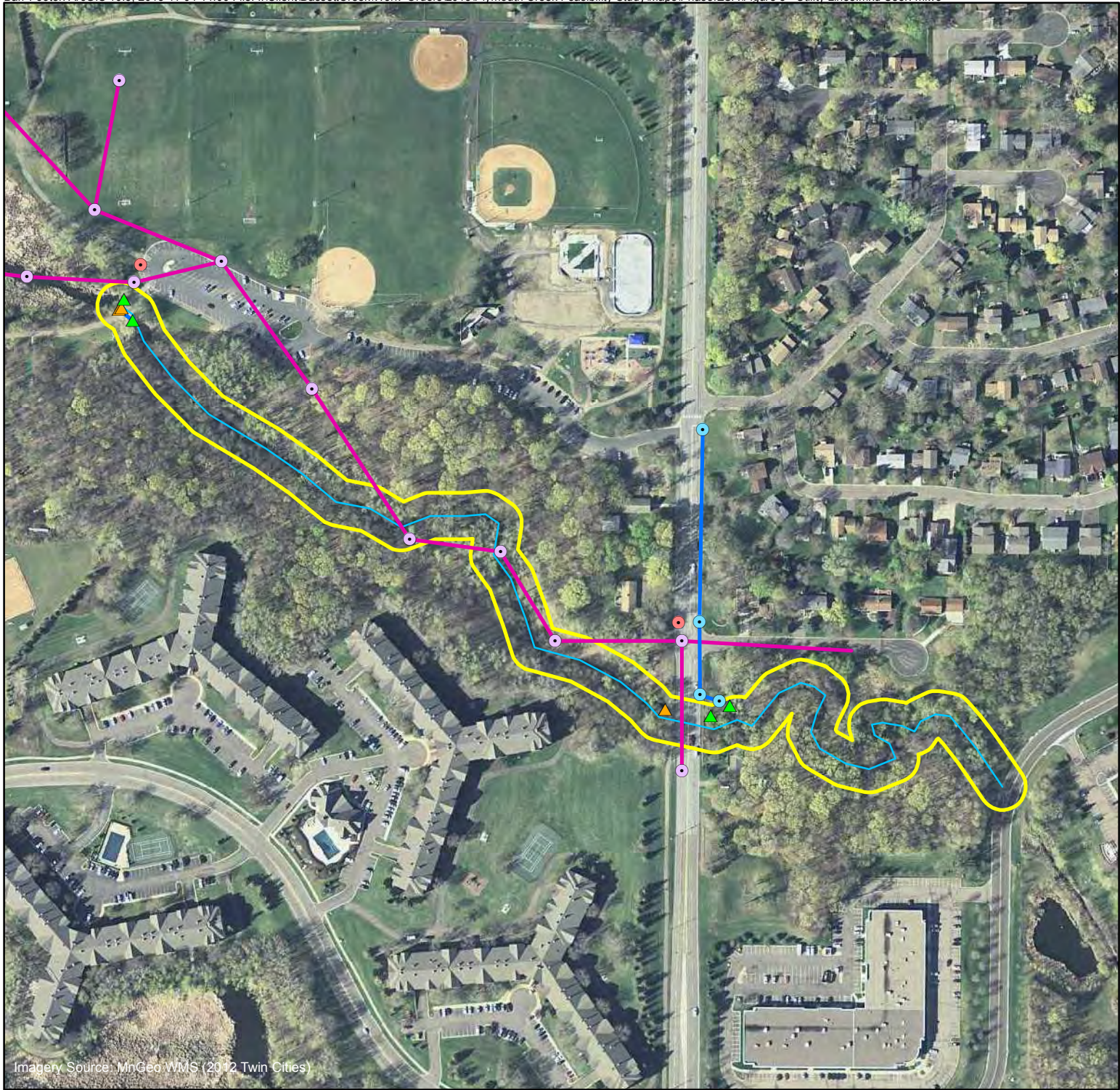



Figure 2

PROPERTY LAYOUT MAP  
Bassett Creek  
Plymouth, MN





-  Property Location
-  Creek Centerline
-  Sanitary Sewer
-  Storm Sewer
-  Sanitary Sewer Manhole
-  Storm Sewer Catch Basin Manhole
-  Storm Sewer Catch Basin
-  Storm Sewer – Water Entering into Pipe
-  Storm Sewer – Water Leaving Pipe

Note: All Locations Approximate  
Source: City of Plymouth (2015)

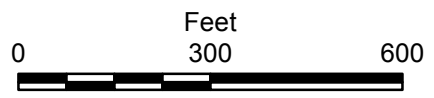


Figure 3

UTILITY LINES  
Bassett Creek  
Plymouth, MN

## Appendices

# Appendix A

## Phase I Documentation



## Appendix A

### Phase I Environmental Site Assessment Documentation Plymouth Creek at Plymouth Creek Park Plymouth, Minnesota November, 2015

#### I. General Property Information

Property location map is shown on Figure 1. Property layout features is shown on Figure 2.

**Property name:** Plymouth Creek

**County:** Hennepin

**Township:** 118N **Range:** 22W **Sections:** SE ¼ of 16, NE ¼ of NE ¼ of 21, and NW ¼ of NW ¼ of 22

**Property size:** The creek reach is approximately 2,800 feet in length. The Property consists of the creek and a 50-foot buffer on all sides of the creek, totaling approximately 6.47 acres.

**Current Property owner and year of purchase:** Property is a creek that flows into Medicine Lake. The Property intersects parcels owned by the following entities: City of Plymouth and St. Paul Properties, Inc. (Ref. 1c).

**Current Occupant(s):** Not applicable

**Current Property use:** Stream corridor

#### II. Physical Setting

**Surface elevation:** The surface elevation at the northwest end of the Property is approximately 950 feet mean sea level (MSL) and the surface elevation at the southeast end of the Property is approximately 940 feet MSL (Ref. 1e).

**Topographic conditions of Property:** Property is characterized by a creek channel, incised from approximately one to five feet below grade (Ref. 5b). The Property generally slopes from northwest to southeast and the creek flows in the same direction (Refs. 1e, 5b).

**Stratigraphy (soils and upper bedrock units):** Soils at the Property are loam and clay loams (Ref. 2b). Surficial deposits geology at the north and south ends of the Property are characterized by peat and organic-rich sediment, the middle of the Property is characterized by loamy and sandy till (Ref.2a).

Bedrock underlying the Property consists of St. Peter sandstone found from 101 to 150 feet below ground surface (bgs) (Ref.2a).

**Nearest surface water body (name and distance):** Medicine Lake is approximately one mile east of the Property (Ref. 1e).

**Anticipated groundwater depth/flow direction:** Plymouth Creek surface water flows from the headwaters located northwest of the Property to the southeast into Medicine Lake (Refs. 1e, 5b).

Shallow groundwater flow direction is to the east, towards Medicine Lake and the Mississippi River (Ref. 2a). It is anticipated that Plymouth Creek has a local influence on the shallow groundwater in the vicinity (Ref. 1e). Therefore, groundwater flow direction south of the Property is to the north; and groundwater flow direction north of the Property is to the south. The depth to shallow bedrock groundwater ranges between 920 and 900 feet MSL, approximately 20 to 40 feet bgs (Ref. 2a).

**Regional aquifer:** The regional bedrock aquifer is within the St. Peter Sandstone at 900 to 850 feet MSL and flows east towards the Mississippi River (Ref. 2a).

### III. Municipal Information & Utility Service to Property

The locations of Property utilities (wells, septic systems, sewer lines) are shown on Figure 3.

#### Water Supply

**Municipal water supply and intake location(s):** The City of Plymouth sources their water for municipal water supply from wells screened in the Jordan and Prairie Du Chien aquifers (Ref. 4e). The nearest well is approximately 6,000 feet from the property (Ref. 4e.)

**Property potable/process water supply:** None (Refs. 5a, 5b).

**Have other potable water supplies serviced the Property?** No

**Property potable/process water supply well(s) data:** None (Ref. 5a, 5b).

#### Sanitary Service

**Type of sanitary service for the Property:** None. The City of Plymouth has utility lines in the vicinity of the Property, but the creek is not serviced (Ref. 4a) .

**Have other methods of sanitary service been used at the Property?** Not aware of any (Ref. 4a).

**Evidence of current onsite septic systems or drain fields:** None observed.

#### Stormwater Management

**Is the Property serviced by stormwater drains, storm sewers, ponds or drainage ditches?** No.

There is a stormwater pipeline that cross the creek and stormwater manholes adjacent to the creek as shown on Figure 3 (Ref. 4a).

**Do any neighboring properties discharge to the Property?** No point discharges were observed (Refs. 4a, 5b).

**Are there any dry wells on site?** None observed.

### Fire Department Information

An interview was conducted with the City of Plymouth fire department. The fire marshal was not aware of any fires, spills, chemical storage or other environmental responses on the Property (Ref. 4g).

### Property Zoning

The Property east of Fernbrook Lane is zoned P-1 public/institutional, and the Property west of Fernbrook Lane is zoned RMP-2 multiple family 2 (Ref. 1h).

## IV. Current Property Use

### Current Property Waste Management

The creek does not generate any waste. The disc golf course west of Fernbrook utilizes trash and recycling containers throughout the course, which are managed by the City of Plymouth (Ref. 5b).

## V. Property, Adjoining, and Surrounding Area Regulatory Status

Regulatory database summary and supporting information is in Historical Information Gathers Report located in Appendix D. Only information generated through searches of databases required by ASTM 1527-13 and within the appropriate minimum search distances were reviewed.

### Property and Adjoining Property Regulatory Status

**Table 1**

ASTM List	Address	Listing Status	Potential or Documented Release to Environment	Was a Regulatory File Review Completed?
LUAST	3540 Fernbrook Ave N.	Closed	A release of fuel oil 1 & 2 was discovered on June 25, 1992 and an excavation report resulted in a No Further Action Required determination. The release was closed on August 4, 1992.	No

ASTM List Definitions:

LUAST – Leaking Underground Storage Tanks

A file review was not completed because a storage tank of fuel 1 and 2 at a residential parcel is unlikely to impact the soil or groundwater at the Property. Minnesota Pollution Control Agency Leaks and tanks database report no groundwater or soil contamination (Ref. 5f).

### **Surrounding Area Regulatory Status**

No upgradient sites were identified in the regulatory report and downgradient and/or side gradient listings were determined not to have a potential to impact the Property.

### **Tribal Sites**

As part of the HIG Report, locations of Native American reservations equal to or greater than 640 acres in size within the search area are reported. No reservations meeting this size criterion were identified within 1 mile of the Property (Ref. 3a). The local government contact was not aware of Native American reservations or administered lands within 1 mile of the Property (Ref. 4g).

### **Orphan Site Summary**

None identified.

## **VI. Report and File Review Summary**

### **Previous Environmental Investigations/Remedial Actions of the Property**

No previous environmental investigations of the Property were reviewed.

### **Property Historical Releases**

No chemical or petroleum releases were reported for the Property. No remedial actions or environmental violations have occurred on the Property (Ref. 4h). However, debris was observed on the Property (Ref. 5b).

### **Environmental Liens**

No environmental liens were identified for the Property (Ref. 4h).

### **Activity Use Limitations**

No institutional or engineering controls were identified for the Property (Ref. 4h).

### **Proceedings Involving the Property**

No pending, threatened, or past litigation. Administrative proceedings, or government notices relevant to hazardous substances or petroleum products were identified.

## VII. Property and Nearby Property Land-Use History

### Property Land-use History

**Original Property development (year/use):** Records showed no development of the Property prior to 1898. The creek is visible in 1856 (Ref. 1i), and is undeveloped on a 1902 aerial (Ref. 1e). The creek shape has changed throughout history via natural flow processes (Refs. 1a, 1e).

#### **Chronology of Past Property use/ownership:**

The creek intersects Fernbrook Lane, which was present by at least 1937, and Annapolis Lane, which was present by at least 1997 (Ref. 1a). The playfields to the north of the creek were developed by 1984 (Refs. 1a, 1e), and the disc golf course was created in 1997 (Ref. 5d). Residential structures were present since at least 1937 north of the creek on the east side of Fernbrook Lane.

### Historical Property Structures

There were no historic structures that were demolished on the Property.

**Demolition Debris:** Not applicable

### Current Property Structures, Renovations, and Additions

No structures were observed on the Property (Ref. 5b).

### Nearby Property Land-Use History

<b>North</b>	<b>Historical Use:</b>	Agricultural, residential, playfields (Refs. 1a, 1e, 1f, 1i)
	<b>Current Use:</b>	Residential and playfields (Refs. 1a, 1e, 1f)
<b>South</b>	<b>Historical Use:</b>	Agricultural and multi-unit residential (Refs. 1a, 1e)
	<b>Current Use:</b>	Multi-unit residential (Refs. 1a, 1e)
<b>East</b>	<b>Historical Use:</b>	Agricultural, residential and commercial (Refs. 1a, 1e)
	<b>Current Use:</b>	Residential and commercial (Refs. 1a, 1e)
<b>West</b>	<b>Historical Use:</b>	Agricultural, playfields, marshland (Refs. 1a, 1e)
	<b>Current Use:</b>	Playfields and marshland (Refs. 1a, 1e)

#### **General type of current or past uses in the surrounding areas:**

The creek corridor (Property) appears to intersect agricultural land from at least 1898 through 1964 (Ref. 1a). As early as 1937 Fernbrook Lane is visible and residential structures exist to the north of the future 35<sup>th</sup> Avenue (Ref. 1a). Residential development slowly begins near the Property in 1957 and rapidly developed by 1984 and is developed similar to current use by 1997 (Refs. 1a, 1e). By 1984 playfields and green space exist to the north of the Property, this space is expanded and improved on through 2003 (Refs. 1a, 1e). By 1997 commercial buildings and Annapolis Lane exist to the east of the Property (Ref. 1a). The City of Plymouth historical town hall exists adjacent to the north, along the west side of Fernbrook Lane (Ref. 1f).

**Historical releases associated with adjacent properties or communities:** The City of Plymouth Public Works Department provided a May 28, 2015 report regarding an approximately 329-gallon mineral oil leak from a damaged transformer at the Plymouth Ice Center, upgradient from the Property (Ref. 4c). According to the report, adsorbent booms were dispatched downstream and the leak was managed prior to it reaching the wetland adjacent, upgradient, to the Property. The report is provided in Appendix E.

## VIII. Site Reconnaissance

The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying recognized environmental conditions in connection with the property (ASTM 1527-13 Sec 9.1). Existing Property features are shown in the Property layout on Figure 2. Photographs obtained during the Property inspection are in Appendix B.

**Date of inspection:** September 16, 2015

**Name of individual conducting site visit:** Michelle Waters

**Weather information:** 82F, sunny, calm

### Exterior Observations

**Methodology used to observe the Property:** Accessed the Property from the northwest and walked the entire length of the creek from northwest to southeast. Walked on banks and in creek, depending on depth of water, surrounding vegetation, and slopes.

**Access to the Property (vehicular access and restrictions to public access):** A walking trail crosses the creek at the northwest end of the Property. West of Fernbrook Lane is a disc golf course operated by the City of Plymouth and is accessible by foot to the public. East of Fernbrook Lane is restricted by dense vegetation. No vehicular access is available to any portion of the Property, except passing over the creek on Fernbrook Lane.

### Periphery of the Property (roads, streets and parking facilities, etc.):

The Property generally extends from the west end of the surface parking lot that services Plymouth Creek Park, crosses under Fernbrook Lane and extends to Annapolis Lane. The backyards of residences of 35<sup>th</sup> Avenue and the multitenant buildings are adjacent to the Property.

**Ground surface cover (paved, gravel, grass):** Ground vegetation through the disc golf course, west of Fernbrook Lane, is sparse, mature trees create a dense canopy overhead. Ground vegetation east of Fernbrook Lane is a dense mixture of scrub vegetation and mature trees.

**Visible evidence of filling, excavation, or burned areas:** None observed.

**Visible evidence of vegetative stress:** None observed.

**Pits, ponds, lagoons, and standing surface water:** None observed.

**Stained soil or pavement:** None observed.

**Wastewater, stormwater, and other visible liquid discharge points into a pipe, pond, ditch, stream adjoining property or the Property:** None observed.

**Indications of past uses of the Property likely to involve the use, treatment, storage, disposal or generation of hazardous substances or petroleum products:** None observed.

**Nonpotable/process wells:** None observed.

**Pipelines across or into Property:** A gas pipeline was marked on Fernbrook Lane, in a north-south orientation, parallel to Fernbrook Lane.

**Rail lines:** None observed.

**Transformers:** None observed.

**Outdoor Chemical Storage Areas/Drums:** None observed.

**Underground Utility Locations:** Overhead electrical lines were observed running parallel to Fernbrook Lane in a north-south orientation. At least two sanitary sewer manholes were observed west of Fernbrook Lane. The City of Plymouth utility drawings locate three sanitary manholes and a storm sewer pipe crossing the Property in a northwest to southeast direction as shown on Figure 3 (Ref. 4a).

**Odors:** None observed.

**Other:** Debris including, one residential hot water heater, a vehicle hub-cap, plastic and cut wood was observed east of Fernbrook Lane, on the slope of the south creek bank (Photos 13, 14). A yellow boom was observed on the north creek bank, east of Fernbrook Lane (Photo 15).

Scrap metal and concrete debris was observed on the Disc Golf course, approximately 120 feet from the center of the creek (Photo 8).

Liter including, plastic beverage bottles, aluminum cans and plastic was observed throughout the Property.

## **VIII. Interior and Exterior USTs and ASTs**

Not present.

## **IX. Interviews**

The objective of interviews is to obtain information indicating recognized environmental condition in connection with the property (ASTM 1527-13 Sec 10.1). Especially relevant information from the interviews is included and documented throughout the Assessment report and Appendix A.



## **Appendix B**

### **Property Inspection Photographs**

## Appendix B Property Inspection Photographs

### *Plymouth Creek Plymouth, Minnesota September 16,2015*

Photo #	Comments
1	Northwest edge of Property, entrance to disc golf course. Facing southeast
2	Typical creek area within disc golf course
3	Typical creek area within disc golf course
4	Typical creek area within disc golf course
5	Trash container within disc golf course. Disc golf tee-box and bench.
6	Disc golf basket hole
7	Litter in creek
8	Scrap metal and concrete debris
9	Sanitary sewer manhole, creek in background
10	Culvert at Fernbrook Lane, looking southeast
11	Fernbrook Lane, looking north
12	Typical creek area east of Fernbrook Lane
13	Debris (hot water heater, plastic, wood) in bank of creek east of Fernbrook Lane
14	Hub-cap debris in creek east of Fernbrook Lane
15	Boom along side the creek, east of Fernbrook Lane.
16	Litter alongside creek, east of Fernbrook Lane



Photo 1: Northwest edge of Property, entrance to disc golf course. Facing southeast



Photo 2: Typical creek area within disc golf course





Photo 3: Typical creek area within disc golf course



Photo 4: Typical creek area within disc golf course





Photo 5: Trash container within disc golf course. Disc golf tee-box and bench.



Photo 6: Disc golf basket hole





Photo 7: Litter in creek



Photo 8: Scrap metal and concrete debris





Photo 9: Sanitary sewer manhole, creek in background



Photo 10: Culvert at Fernbrook Lane, looking southeast





Photo 11: Fernbrook Lane, looking north



Photo 12: Typical creek area east of Fernbrook Lane





Photo 13: Debris (hot water heater, plastic, wood) in bank of creek east of Fernbrook Lane



Photo 14: Hub-cap debris in creek east of Fernbrook Lane





Photo 15: Boom along side the creek, east of Fernbrook Lane.



Photo 16: Litter alongside creek, east of Fernbrook Lane

## **Appendix C**

### **Historical Documentation**

**(on CD)**

## Aerial Photographs





































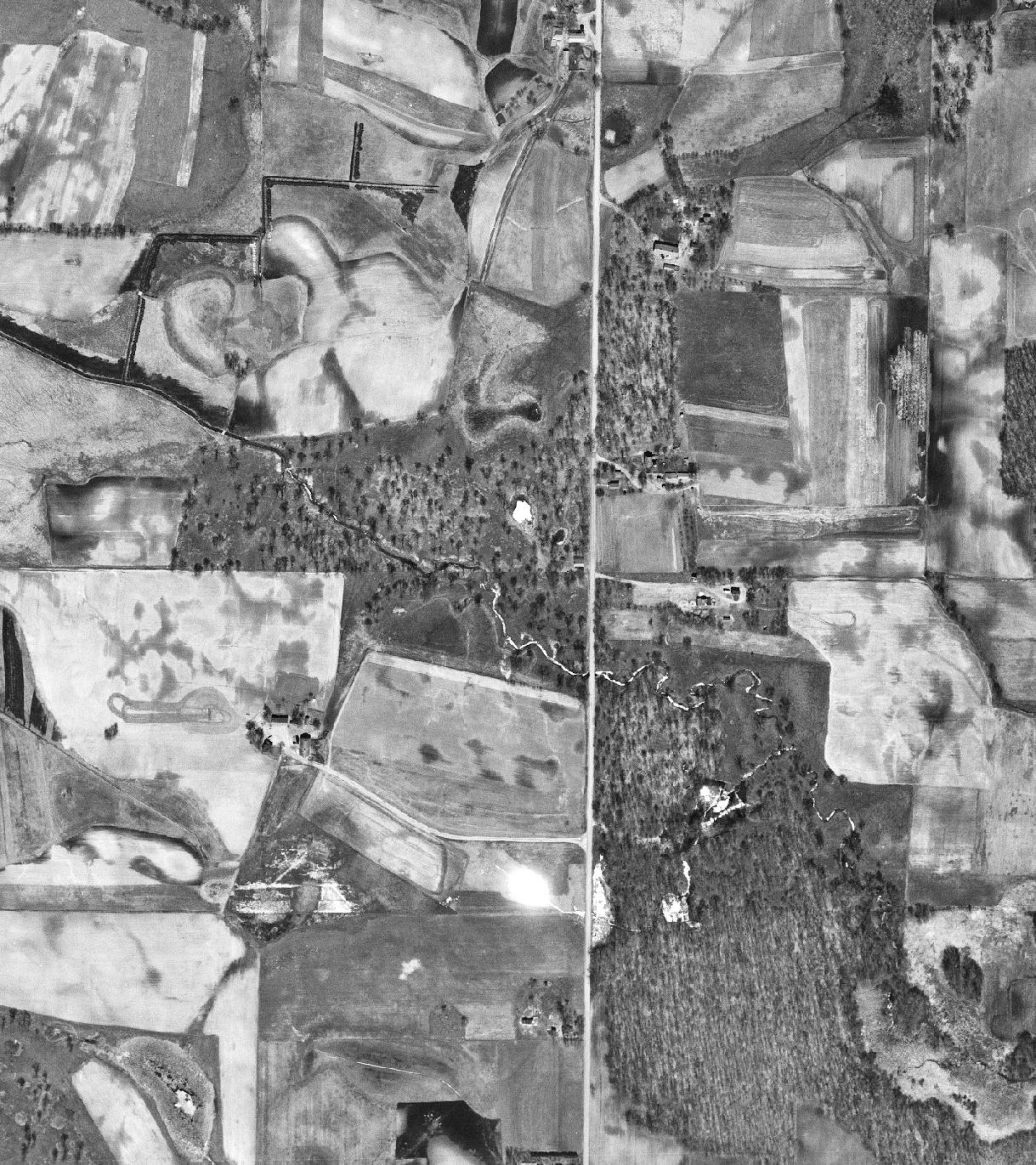


















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## City Directories



COLE PAGE 1608

64th EDITION MINNEAPOLIS

FERNBROOK LN N

Table listing businesses and services in the Fernbrook Ln N area, including contact numbers and addresses.

Table listing residential addresses and contact information for properties in the Fernbrook Ln N area.

FERNBROOK LN N

Table listing businesses and services in the Fernbrook Ln N area, including contact numbers and addresses.

Table listing residential addresses and contact information for properties in the Ferndale Ave Ne area.

Table listing businesses and services in the Ferndale Ave Ne area, including contact numbers and addresses.



FERNBROOK LN N

- John Rummel Roberson 95 763.420.4165
11901 \*Fresh House Productions... 05 763.416.2113
119200 Annette K Gallary 96 763.420.4990
11970 Cindy Joyce Rassatt 04 763.420.6287

FERNBROOK LN N

- 875 Anthony James Heppelmann 91 763.473.4692
880 Roland W Anderson Cpa 93 763.476.2432
885 \*Shakespearean Youth Theatre 05
890 Anne J Burt 94 763.258.5874
895 Don Charles Smith 93 763.476.9694

8TH AVE N INTS

- 1000 Carmen Deane Diamond 93 NP
10100 Sherry L Holtz 93 763.473.6163
10200 Katie M Busch 93 763.476.8072
11030 Pamela R Galanter 93 NP
1115 Ronald Duane Olson 88 763.473.0509

13TH AVE N INTS

- 1205 Erik John Otto 01 763.473.1657
1615 Gloria Mae Olson 90 763.473.1743

17TH AVE N INTS

- 1700 \*Wagner Holdings 44 763.553.7000
1710 \*All Pro Carpet Restretch 47 763.789.0500
1770 \*Wagner Holdings Inc 83 763.553.7020

23RD AVE N INTS

- 2100 \*Nu Aire Inc 77 763.553.1270
2220 \*Seelye Craftsmen Co 94 763.577.0700
2340 \*RSC Equipment Rental 05 763.557.1234

28TH PL N INTS

- 2722 \*Jms Precision Inc 47 763.509.0607
2730 \*Pauls Woodcraft Co 77 763.559.2990
2800 \*Dance Shoppe The 89 763.553.1870

- 3000 \*Wells Fargo Bank Minnesota 93 612.316.4525
3020 \*Fairway Foods Inc 05
3050 \*Children Of Tomorrow 05 952.448.7829

12TH AVE N INTS

- 3131 Building
\*\* Accounting & Tax Soluti 04 763.553.1824
\*\* Allura Communication S 03 763.248.6500
\*\* Associated Consultants Engine 77 763.559.5111

- 206 \*Jakes Sports Cafe 02 763.338.0847
218 \*Lydiard Foundation 02 763.338.0847
218 \*Maxi Marketing Inc 87 763.253.0590

- 210 \*Synergy Resource Group Inc 01 763.566.9699
210 \*Teldeal Inc 04 763.694.6088
224 \*Western Sky Mortgage Co 05 763.253.0590

- 3135 \*Karl Viltalo Insurance Ag 47 763.551.9772
3141 \*Ke Nelson Assocs 47 763.509.0000
3141 \*Larkin L Adey 05 763.208.2876

- 3145 \*American Johnson Insurance 98 763.545.1753
3149 \*AF Property Lc 05
3161 \*Bodega Bay Entertainment Inc 05 763.201.1201

- 3169 \*CEM Public Relations Inc 93 763.559.6058
3181 \*Above The Line Leader International 05 763.201.1306

- 3181 \*Gondak Painting Inc 05 763.201.1306
3181 \*Integra Shift Fnd Group Lc 05 763.201.1390

- 3189 \*Dr Oil 05
3189 \*Fidelis Foundation 05 763.201.1268
3189 \*Friends Of Hope Academy Lc 47 763.577.1050

- 3211 \*Alistair Jacob Group Agency 47 763.559.4165
3215 \*Esso Agency Inc 95 763.559.5999
3231 \*Northern Con AGG Inc 96 763.509.3434

- 3235 \*All Enviro Inc 89 763.493.5858
3235 \*Fine Line Resume Service 99 763.553.9937
3235 \*Judie Andersons Secretarial Service 87 763.553.1144

- 3239 \*Shingle Creek Watershed District 04 763.553.1144
3239 \*Vanderbilt Federal Mortgage 05 763.300.4717

- 3255 \*Johnson & Co Ltd 86 763.261.8844
3259 \*Triple S Dynamics 03 763.249.2206

HARBOR LN N INTS

- 3300
160 \*Century Home Equity 83 763.577.3780
175 \*Equimed Corp 92 763.557.6110

- 3238 \*Mingtao Inc 47 763.557.8844
3255 \*Robert J Benbow Ltd 94 763.557.8844
3259 \*Triple S Dynamics 03 763.249.2206

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40TH AVE N INTS

- 39200 Audrey Lynn Conrad 96 763.577.1947
3940 Daniel James Conrad 96 763.577.1947
3950 Gregg D Finger 94 NP
3950 Donald George Larson 96 763.559.1283

COUNTY ROAD 9 INTS

- 4000 Athena Antoniette Latki 04 NP
4000 Nourdeinde Latki 04 NP
4050 Kelly A Penata 94 763.553.7811

RR5

- 4105 Mark Clement Gotti 00 763.551.1875
4115 Sandra J Larson 87 763.557.0369
4120 \*Jordans Care Services Inc 94 763.553.9623

- 4125 \*Mr & Mrs Magic 05 763.553.7777
4130 \*Premium Signs 05 763.550.9944
4130 \*Rapid Auto Glass 93 763.559.9415

43RD AVE N INTS

- 4235 David Keith Brinkman 95 763.551.9696
4235 Linda M Brinkman 95 763.551.9696
4265 \*Farmers Insurance 47
4265 \*Linda M Brinkman Insur Agency 05 952.831.9021

RR1

- 4778 \*Orchids Limited 88 763.569.6425
5000 \*Turck Inc 94 763.553.7300
5115 David J Benson 05 763.559.7797

RR14

- 5521 Lori A Benson 05 763.559.7797
5525 John Jay Dupuy 05 NP
5531 Penny Jean Dupuy 05 NP

- 5531 \*Donna Groetsch Lee 04 763.357.6461
5555 100 RESIDENCE 142 BUSINESS

FERNBROOK LN N

- 6226 Mark Scott Barrett 05 763.559.9648
6229 Nicole Lynn Barrett 05 763.559.9648
6229 Linds L Laak 89 763.557.9732

- 6232 \*Mag Inc 05 763.533.8239
6239 \*Manufacturers Alliance 95 763.533.8239
6239 \*Art S Steen 02 763.537.7754

- 6239 \*Barbara Marie Ross 90 763.553.9976
6239 \*Craig A Rubenzer 05 763.545.2769
6250 \*Robert James Rubenzer 05 763.545.2769

- 6252 \*John A Carlson 95 763.567.5844
6252 \*Stellen James Carlson 93 763.557.5844
6257 \*Hoffman Family Chiropractic Clinic 05 763.544.2066

- 6257 \*Hoffman Family Chiropractic Clinic 05 763.544.2066
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2007 MINNEAPOLIS

- 7427 Lon Ann Fried 01 NP
7433 Charles Randall Rogers 84 763.420.4733
7443 Cynthia R Rogers 84 763.420.4733

- 7449 Scott Jay Follse 92 NP
7455 Susan Renee Follse 97 NP
7455 Deann R Johnson 92 763.537.1098

- 74630 Peggy A Johnson 92 763.537.1098
74630 Flo Margaret Gordon 76 763.420.6314
7469 \*Buzzer Baiter Sports And Apparel 01 763.420.6115

- 7479 Arlene Elizabeth Nilas 85 763.420.6115
7479 Timothy John Nilas 85 763.420.6115
7487 Judith A Ball 76 763.420.6607

- 7487 Michael John Ball 76 763.420.6607
7487 Jacki McMillan 05 763.420.8762
7493 James A Galsuka 94 763.420.6476

- 7505 \*Conklin Corp 05 763.416.0534
RR8 9401 - 10075... 55309
9401 \*Early Childhood Special Education 04 763.416.7105

- 9661 \*Independent School Dist 278 04 763.420.8888
9681 \*Osseo Area Schools 47 763.391.8415
9681 \*CR Peterson 01 NP
9800 \*The Creek Community Church 05 763.494.4451

- RR3 10501 - 11680... 55369
10501 Mark Steven Krieg 80 763.420.1251
10501 Thomas Gary Krieg 80 763.420.9598

- 107250 \*Walter Kay Engelking 89 763.420.0281
10775 Janice William Engelking 89 763.420.0281
10775 Cynthia Renee McCartney 91 763.494.3011

- 10855 David Bruce McCartney 91 763.494.3011
10855 Roger A Young 84 763.420.6605
10921 Michael John Dahn 95 763.420.7984

- 11260 Tami Ann Dehn 95 763.420.7984
112610 Allen Ignatius Dehn 76 763.420.4084
112610 Phyllis Carole Dehn 76 763.420.4084

- 11280 Genesis Lila Barber 93 763.420.6228
11280 Robert Francis Barber 93 763.420.6228
11281 \*Debra County Manor 77 763.420.6460

- 11320 Julie Renee North 98 NP
11330 Robert John North 98 NP
11421 Ryan E Boyd 03 763.420.2822

- 11431 Melissa R Voe 03 763.420.2822
11431 Mary M Culver 80 763.420.5883
11441 Scott Culver 80 763.420.5883

- 11441 Enid Theresa Kalla 76 763.420.5665
11451 Floyd Joseph Kalla 91 763.420.5655
11451 Jeremy Victor Monahan 94 763.420.6775

- 11451 Jill Christine Monahan 99 763.494.6775
11461 Kathleen Annette Powers 94 763.420.4438
11461 Robert John Powers 94 763.420.4438

- 11471 Jeffrey Lee Hallquist 94 763.420.4240
11491 Shirley W Cronahan 02 NP
11570 \*Angela Kitzman 06

- 11570 \*Angela Kitzman 06
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FERNBROOK LN N

2722\* Apollo Pkcn Inc 763-509-0607
2724\* Medina Elec Inc 763-478-6829
2730 S W Paul NP
\* Paula Archl Wdrct 763-559-2990

CHESHIRE LN N INTS
2800 Shawna M Miller 99 NP
\* The Dance Shoppe 763-553-1870
\* Dancers Dreamwear 763-553-1818

HARBOR LN N INTS
3000\* Wells Frp Pnt Clnt 812-316-3873
3020\* Holiday Strazas L 763-559-3960
3050\* Childs Wild Learn 763-553-7690

31 Scott T Hartmann 00 NP
224 Doug Solly + NP
\* Assoc Castlnts 763-559-5511
\* Atlanta Tackl Savr 763-559-1999

250 Tina U Chappan 00 NP
C Convey + NP
Debra J Damuth 00 NP
Thomas S Falkowski 00 NP

3000\* Writing Assnce 00 763-551-8772
3000 Tina U Chappan 00 NP
C Convey + NP
Debra J Damuth 00 NP

3000\* Writing Assnce 00 763-551-8772
3000 Tina U Chappan 00 NP
C Convey + NP
Debra J Damuth 00 NP

3000\* Writing Assnce 00 763-551-8772
3000 Tina U Chappan 00 NP
C Convey + NP
Debra J Damuth 00 NP

FERNBROOK LN N

8200-7599 CT 267.09 SA.
9300-10199 CT 267.08 SA.
10200-10899 CT 267.07 SA.
10900-11699 CT 269.01 SC.

6225 Angela K Ostulak 90 763-559-4149
Wayne M Ostulak 90 763-559-4149
6227 Linda L Laak 89 763-557-09732

6232 Brian J Ross 96 763-557-1069
6233 Barbara R Ireland 94 763-557-9067
Jeffrey R Ireland 94 763-557-9067

6238 Barry M Ross 80 763-553-3976
Harry C Ross 80 763-553-3976
6239 Brad A Tarison 90 763-550-9162

6253 Cynthia A Terison 90 763-550-9162
Cathy A Wochowiak + 763-694-8829
J G Wachowiak + 763-694-8829

6254 Jolene A Carlson 93 763-557-5844
Stavon J Carlson 93 763-557-5844
6257 Eugene B Gaur 99 763-577-0774

6258 Barry M Thompson 88 763-559-2748
Mary J Thompson 88 763-559-2748
6261 John R Rupp 89 763-550-1099

6262 Rebecca L Rupp 89 763-550-1099
A Pyralis 89 763-550-1099
Shahab G Pyralis 89 763-550-1099

6265 Brian J Blankush 89 763-553-9297
Hezel S Blankush 89 763-553-9297
6266 James T Hagedus 88 763-559-4598

6275 Debra A Schumacher 92 763-550-9246
Rod R Schumacher 92 763-550-9246
6276 Dorothy C Bangs 92 763-550-1227

FERNDALE LN

85 Nancy J Laperre 93 952-473-5932
Timothy L Laperre 93 952-473-5932
70 Ehan M Steinkrup 86 952-473-2151

75 Jennifer C Hevica + 952-473-2151
Jonathan W Hevica + 952-473-9310
85 NP
90 G M Scherar 94 952-475-3740

95 David T Anderson 00 952-249-5289
Laure A Anderson 00 952-249-5289
100 NP
165 Deborah A Lukin + NP
17 RESIDENCE 1 BUSINESS

FERNDALE LN

8900-8999 CT 260.11 SA.

HILLOWAY RD INTS
8955 Mary C Gaslin 93 NP
William L Gaslin 93 952-934-7382

8967 James G Snaer 94 NP
9171 Audrianna Vidman + NP
Edward Vidman + NP
8978 Barbara J Hokanson 95 952-906-1203

8983 Laroy A Prohofsky 91 952-949-3862
R L Prohofsky 91 952-949-3862
8991 NP
8995 B L Quinrance 93 952-975-0755
12 RESIDENCE

FERNDALE PL N

1100-1397 CT 266.06 SA.

1220 Debbie L Edwards + NP
Matthew J Edwards + NP
1270 Lisa R Steffen 99 NP
4 RESIDENCE

FERNDALE RD N

300-1318 CT 266.06 SA.

BRACKTON LN N INTS
410 James R Tegan 85 763-475-1340
Mary E Tegan 86 763-475-1340

498 Tegan Marketing 00 763-475-1340
1100-1218 E 55447
12TH AVE N INTS
1100 Lauren C Miller 83 763-473-3600

FERNDALE RD N

Wayzata 0 1- 831 CT 272.01 SA.

75 Sonia Y Carry 85 NP
Bismark 00 NP
FERNDALE RD S INTS
245 D C Backstrom 00 952-473-2477



FERN DR (CR) 5155 Brown Clyde R & Shirley ... 479-2617

FERN DR (MINNEAPOLIS)-FROM 7081 BLOOMINGTON AVE SOUTHEAST

1521 Winkelman Nancy E ... 869-5929 WINKELMAN ELEANOR child day care svcs

FERN LN (LORETTO)-FROM 4841 SALEM LN

8320 Gabriel Richard J ... 498-0001 8325 Ekmeier Bernard D & Sally ... 498-9851

FERN LN (MOUND)-FROM 5562 TONKAWOOD RD SOUTH

2100 Stueven Jason J ... 472-3759 2117 Hecklander Brian C ... 472-2144

FERN ST (MAPLE PLAIN)-FROM 3169 CEDAR AVE WEST

4600 Atfield Steven D & Rhonda ... 479-1285 4605 Stephens Judith L & Jeffrey ... 479-1822

FERN LANE TER (SHAKOPEE)-FROM 501 DARDANELLE LN SOUTHWEST

700 Helmers Gary A & Debra ... 445-8157 701 Laverston Gene C ... 445-8609

FERN LANE TER (S) 743 Leiner Charles W ... 445-1702

FERNBROOK CT N (OSSEO)-FROM 14483 BASS LAKE RD

6579 Davis Gregory C & Mary ... 553-9745 6580 DORLING KINDERSLEY book stores

FERNBROOK LN N (DAYTON)-FROM 16881 117TH AVE N NORTH

11771 Winn Michael & Pauline ... 494-8319 11801 Brandt William C & Christie ... 420-5769

FERNBROOK LN N (MAPLE GROVE)-FROM 9401 MAPLE GROVE CITY OF exec ofcs

9401 MAPLE GROVE CITY OF exec ofcs PLAYHOUSE NURSERY SCHOOL child day care svcs

FERNBROOK LN N (MINNEAPOLIS)-FROM 433 HARBOR LN N NORTH

875 Heppelmann Anthony J & Paula ... 473-4692 895 Smith Donald C & Susan ... 478-9694

FERNBROOK LN N (M G) BUSINESSES 8 HOUSEHOLDS 19

FERNBROOK LN N (OSSEO)-FROM 14398 62ND PL N

6226 Osatiuk Wayne M & Angela ... 559-4149 6232 Moon Mark S & Kelly ... 559-4645

FERNBROOK LN N (MINNEAPOLIS)-FROM 433 HARBOR LN N NORTH

875 Heppelmann Anthony J & Paula ... 473-4692 895 Smith Donald C & Susan ... 478-9694

FERNBROOK LN N (P) 2800 AFFILIATED INSURANCE ins ag's svcs

2800 AFFILIATED INSURANCE ins ag's svcs ALLEGRA PRINT & IMAGING commrcd prntng grvr

DOMINION ENTERTAINMENT min pctr vide pro

2722 APOLLO PRECISION indus mach commrcd bank

FERNDALE AVE NE (MINNEAPOLIS)-FROM 6042 BENJAMIN ST NE

1504 Blegen Raymond & Nancy ... 572-8904 1508 Baune John E & Carolyn ... 574-0812

FERNDALE DR (ROGERS)-FROM 14011 ASH CIR NE

14425 Farrell William A ... 445-0453 14438 Klen Judith A & David ... 428-4290

FERNDALE DR (ROGERS)-FROM 14011 ASH CIR NE

3225 Lavigne Marian L ... 559-2536 3235 Marquis Andrew ... 559-8306

FERNDALE DR (ROGERS)-FROM 14011 ASH CIR NE

14279 Rieck Barbara A ... 428-2641 14313 Hilyer Matt ... 428-7819

FERNDALE DR (ROGERS)-FROM 14011 ASH CIR NE

14438 Klen Judith A & David ... 428-4290 14448 Klen Judith A & David ... 428-4290

FERNDALE DR (ROGERS)-FROM 14011 ASH CIR NE

14279 Rieck Barbara A ... 428-2641 14313 Hilyer Matt ... 428-7819



FERNANDO AVE

Table listing addresses on Fernando Ave, including RR29, Lower 134TH St W Ints, and various house numbers with phone numbers.

Table listing addresses on Fernando Ave, including Rosemount, 16200-16399 CT 698.09, and RR 3.

Table listing addresses on Fernando CT, including Apple Valley, 6100-6199 CT 698.04, and RR29.

Table listing addresses on Fernando Way W, including Rosemount, 16200-16599 CT 698.09, and RR 3.

Table listing addresses on Fernando Ave Ints, including Flagstaff Way W Ints, and various house numbers.

FERNBROOK CT N

Table listing addresses on Fernbrook Ct N, including Ozona, 6500-6669 CT 267.09, and RR 2.

Table listing addresses on Fernbrook Ln N, including Dayton, 11700-12899 CT 269.01, and RR 2.

Table listing addresses on Fernbrook Ln N, including Maple Grove, 8200-8669 CT 267.09, and RR 5.

Table listing addresses on Fernbrook Ln N, including Maple Grove, 8200-8669 CT 267.09, and RR 5.

Table listing addresses on Fernbrook Ln N, including RR 5, 7409 J W Larson, and various house numbers.

Table listing addresses on Fernbrook Ln N, including RR10, 9315 R Munsterberg, and various house numbers.

RR 3

Table listing addresses on RR 3, including 10200 Stanley Blesi, 10501 Gary Krup, and various house numbers.

Table listing addresses on Fernbrook Ln N, including Plymouth, 800-1499 CT 266.09, and RR 5.

Table listing addresses on Fernbrook Ln N, including RR 5, 6228 Wayne Oantuk, and various house numbers.

Table listing addresses on Fernbrook Ln N, including RR 5, 7409 J W Larson, and various house numbers.

Table listing addresses on Fernbrook Ln N, including RR 5, 7409 J W Larson, and various house numbers.

FERNDALE LN

Table listing addresses on Ferndale Ln, including 4300 Kevin C Begin, 4310 Lillian A Begin, and various house numbers.

Table listing addresses on Ferncroft Dr, including Sharrowood, 4700-4999 CT 275.02, and RR 8.

Table listing addresses on Ferncroft Dr, including RR 8, 4805 M Maurice, and various house numbers.

Table listing addresses on Ferndale Ave NE, including Brooklyn Park, 1500-1899 CT 512.03, and RR 8.

Table listing addresses on Ferndale Ave NE, including Brooklyn Park, 1500-1899 CT 512.03, and RR 8.

Table listing addresses on Ferndale Ave NE, including New Street-1998, 14400-14499 CT 809.02, and RR 8.

Table listing addresses on Ferndale Ave NE, including RR 8, 14435 William A Farrell, and various house numbers.

Table listing addresses on Ferndale Dr, including Rogers, RR 3, 14200-14499 CT 269.01, and RR 3.

Table listing addresses on Ferndale Dr, including Rogers, RR 3, 14200-14499 CT 269.01, and RR 3.

Table listing addresses on Ferndale Grn, including Orona, 1-199 CT 272.01, and RR 3.

Table listing addresses on Ferndale Grn, including Orona, 1-199 CT 272.01, and RR 3.

Table listing addresses on Ferndale Ln, including Edna Prairie, 8900-8999 CT 268.11, and RR 5.



FERNBROOK LN N

- 55447
2600 \*Pro Storage System
\*Stuart Helmer Sys
2605 \*Apfa Corp Inc
\*Clarus Motel Systems
\*Currentech Computr

- 14484 Jeffrey Skarsten
ND # K Kapsner
11 RESIDENCE 1 BUSINESS

● FERDALE GREEN 55381

- Orono
1- 189 CT 272.01
\*HUDSONS MAP LOC 4C-23
45 Frank Ventura
55 William A Moutier

- 223 Apartments
Robert Ice
301 David A Nichols
225

- \*Dr Dennis E Aram
\*Fazne H Friend
\*Killburg Studios
\*Dr W M Marlowe
\*Dr W N Richardson
\*Wayzata Chgrpsta

● FERN DR Lakerville

- RR 12
20765-20988 CT 808.18
\*HUDSONS MAP LOC 5C-90
20790 Dennis B Nilsson

● FERN DR Hochfield

- 1500-1568 CT 248.02
\*HUDSONS MAP LOC 4B-42
1521 J Brian Winkelman
1524 Joel Vossan

● FERLAND CT Plymouth

- 25 26
27 Timothy A Baldwin
28 Joseph M Dowski

● FERN LN Mound

- \*HUDSONS MAP LOC 3B-30
2100 Donald T Scholer
2117 Brian Hacklander
2128 Herbert Pauly

● FERN LANE TERR Jackson Twp

- RR 3
700-789 CT 906
700 Gary A Hellwars
701 Rose M Brick
702 Jordan Benedict

- 2700
2722 \*Blank Corp
\*Blank USA
2730 \*Paula Widert Co
2850 \*Children Wrd Lrng

● FERDALE RD Eden Prairie

- RR 2
\*HUDSONS MAP LOC 3A-47
8955 Warren S Carlson
8959 Allyn L Pope

● FERDALE RD W Wayzata

- 300-788 CT 273
889-1189 CT 272.01
\*HUDSONS MAP LOC 4B-23
300 John Koutson
306 John Koutson

● FERDALE RD N Odd Numbers Ave

- 391-1189 Odd Numbers Only Even
Numbers See Plymouth
Orono
\*HUDSONS MAP LOC 4B-23
325 Edwin B Murphy

● RR 2

- 410 Leonard Liljholm
437 Pamela J Johnson
Loren J Simer Jr
440 David L Owen

- = HWY 55 INTS
3131 Harbor Pl Corp CNT
See Building Dry

- 3135 J C Lavigne
3225 Tom Chesness
3235 Family Home Service
3315 \*Passages Casual Ctr
3430 Lowell R Turner
3435 John Starzewski

- RR 5
14300 COUNTY RD 9 INTS
4105 Edward J Albro

- 4115 B Biederman
\*AM Brands Sm Eng
4125 V G Stubbs
4150 L K Begun
4235 Jeffrey Rydym

● RR 2

- 453 Wilfred Gagny
\*Gagne Land Co
301-1189 Odd Numbers Only Even
Numbers See Plymouth
Orono
\*HUDSONS MAP LOC 4B-23

● RR 2

- 491 Wallace C Dayton
John R Winsor
620 Dennis W Fischer
623 John W Morrison
552 Robert F Hartfil

● FERCROFT DR Shorewood

● RR 5

- 4800-4898 CT 275.02
\*HUDSONS MAP LOC 3C-31
4805 John Ekelund
4812 Scott Gyzland

- 461 Dale A Spencer
4605 Edward J Birman
607 Wm F Sharpe Jr

● RR 2

- 805 Larry E Lindberg
866 D Hannaman
Alan S McDonald
Naomi E Peterson
980 Charles P Floyd
980 M A Garmocio

● FERDALE AVE NE Friday

- 1500-1898 CT 512.03
\*HUDSONS MAP LOC 5B-10
1604 Raymond Elegen
1905 Greg R Johnson

● RR 5

- 505 Dan D Danielson
805 H P Bowen
626 G Bestrems
627 Timothy Johnson

● FERDALE WOODS RD New Street-1988

- RR 3
300-488 CT 273
\*HUDSONS MAP LOC 4B-23
425 Robert L Bodin
458 T S Huff

● FERDALE AVE NE Prior Lake

- RR 5
14400-14499 CT 809.02
\*HUDSONS MAP LOC 5B-55
14435 William A Ferrall

● RR 5

- 745 John A Berg
755 Lewis Nithun
783 Ervin Kemm

● FERDALE RD N Plymouth

- 300-1189 Even Numbers Only Odd
Numbers See Orono
E 300-1398 CT 268.08
\*HUDSONS MAP LOC 5E-23
344 Allistar Jacques

● FERN DR New Street-1978

- RR 2
5000-5559 CT 271.01
\*HUDSONS MAP LOC 2A-14
5010 Dale S Stream
5030 Terry D McClintock
5080 Darwin Kulzer

● FERDALE DR Rogers

- RR 3
14290-14248 CT 281.02
14250-14499 CT 289.01
\*HUDSONS MAP LOC 4B-28
14313 \*Mark Estallins

● FERDALE RD S Wayzata

- 100-498 CT 273
\*HUDSONS MAP LOC 4B-23
107 George F Piper Sr
127 P M Thompson

● RR 3

- 980 Robert Burggraf
980 Eric Moran
Velic Rodriguez
710 Glenda D Schmit

● FERN DR Independence

- RR 2
5000-5559 CT 271.01
\*HUDSONS MAP LOC 2A-14
5010 Dale S Stream
5030 Terry D McClintock

● FERN DR Independence

- 744 John Thisis
747 Joanne L Rhigw
748 Shane Ezum
749 Glen Gust

● FERNSIDE LN Mound

- RR 7
2300-2390 CT 276.92
\*HUDSONS MAP LOC 3B-30
2308 Henry Reinitz
2316 Robert G Wrodo

ADDRESS



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NORWEST BANKS MINNESOTA

BANKING, AND A WHOLE LOT MORE MEMBER F.D.I.C.

FAIRWAY DR (COLUMBUS HEIGHTS) FROM 48TH AV NE SOUTH THEN EAST 1 EAST OF NE JOHNSON ST

- 502 ZIP CODE 55421
1910 Kyllburg Henry @ 571-0084
1933 Knoll Stanley @ 571-0849
1933 Siegfried Ervin @ 574-0164
1640 Winner Joseph B @ 574-9118
1650 Kishish Chris J @ 574-1563
1950 Karcmarczyk Edw J @ 571-9857
1665 Hedlund Royell @ 571-4905
1670 Aasen Steinar D @ 571-3355
1675 Hiban Betsy G @ 571-0838
1700 Turquist Philip D @ 571-7496
1710 Malthebeck Marvin J @ 571-5280
1710 Lansen Barry N @ 571-9046
1730 Ann Brian D @ 574-0355
1735 Dubush Donald J @ 571-3066
1750 Mirzyn Donald J @ 571-7358
1750 La Hood D E Mrs @ 574-0349
1800 Rapano Dan E @ 571-2291
1800 Whitehill Terrell R ardu @ 571-7357
1820 King Dennis E @ 571-7148
1825 No Return
1840 Haggenmiller James L @ 572-2290
1845 Robert Robt A @ 574-0247
1848 Talking Fredk D @ 571-0715
1860 Forsmark Alvin C @ 571-4188
1870 No Return
1880 Redwell Clayton J Jr @ 571-3991
1910 7th Ave N INTERSECTS
1910 Knick Ricta @ 571-4825
1920 Young M L @ 571-0652
1930 Fuchs Werner P @ 571-0779
2000 Knott Dale T @ 574-9708
2000 Mikush John @ 571-1595
2030 Johnson Scott D @ 572-2450
W UPLAND CREST BEGINS
2100 Wolf Clifford A @ 571-0907
2100 Schneider David E @ 574-1734
Chandler Ethel M Mrs cranics mg & s

FALCON CT (EDINA)-FROM OLINGER BLVD NORTH

- 488-A ZIP CODE 55430
8300 Hawk Marjorie A Mrs @ 627-1671
6304 No Return
6308 Wohlrab Brian C @ 930-9588
6312 Hamer Robt W @ 922-7587
6318 Schindler Reta L Jr @ 922-0231
6320 Lajo Paul D @ 922-2128
6324 Silvers Daph W @ 672-1408
6329 Daughon Elie J @ 930-3014
6330 Larson Robt W @ 922-0801
6336 Noderstedt C @ 930-7752
6340 Klock F H @ 922-0924
6344 Arvin Louise H @ 930-6947
6348 Brode Glenn R @ 929-0716
6350 Rivallo Jack W @ 930-0908

FAWNWOOD CIR (BLOOMINGTON)-FROM POPLAR BRIDGE RD WEST

- 686-A ZIP CODE 55447
9208\*Hodades Jerry K @ 9210 Birch Tom @ 811-1029
9212 Naughton Edw @ 831-0625
9214 Johnson Atty J @ 831-5052
9216 Sirtani James K @ 831-2849
9218\*Fynn Gary E @ 831-1857
9220 Corcoran Mich @ 831-0028
9222 Frank Roger W @ 831-0074
9224 Strommen Gene A @ 831-2786

FELT RD (MINNETONKA) FROM SHADY OAK RD NORTHEAST

- 584 ZIP CODE 55437
5400-32 Westfield Center indus & farm 5546
5401 Crane Mc Dowell & Co consulting eng & inc 6000 831-8826
5415 Felt Stanley H @ 938-9219
5460 Haring Technology s & mg of learning aids 938-5510
5460 Vacant
5468 Bearman S N Brokerage Co food broker 938-9110
5469 Felt Cyril M @ 938-7537
5469 Evans Joseph L @ 938-4458
5469 Hedges James J @ 938-3267
5490 Elvins Billig Inc candy bakery 938-7494
5492 Ecolab pest control 935-0353
5880 Saint Margaret's Cemetery

FERNLAND CT (MEDICINE LAKE)-FROM SOUTHWEST SHORE DR AND HIGHWAY 55 WEST

- 589 ZIP CODE 55941
111 Custom One Golden Builders Inc genl contr 569-7660
112 J E Properties Inc property mgmt 569-1556
118 Spisak R N Co Inc business forms 565-1218
130 Dan Bar Hovens Inc bldg contr 569-0242
131 Prairie & Associates Inc electronic hwy distr 569-7500
230 Universal Financial Corp leasing broker 569-3775
231 Conference Rm
283 Chen Lawn weed control & fertilizing 563-9731
233 Vacant
234 Associated Consultants engs 569-5511
205 Park Valley Agency Inc ins agcy 569-2221
305 Rogers C & Co processing dairy equip 569-7691
210 Farmers Job Group 569-5528
212 M C Inc slv serv fl covering 569-3566
221 Westfair The psychiatric svl work 569-2682
222 Health Care Insurance Services 569-4921
Ketner & Associates mgf rep electronics 569-5150
223 Systems Assoc Inc hosp data proc 569-9188
225 Vacant
228 Campbell Roy J 569-3928
325 La Vigne James C photos @ 569-2626
329 Hewitt Steven W @ 553-1046
310 Tipton Corp constn co 569-0090
340 Leonard Jean C Mrs @ 569-2475
340 Starr John E @ 569-9885
3014 AV N INTERSECTS
3335 Schulte S F @ 561-3161
Schulte Charrie @ 569-3160
3340 Krupp Glenn D @ 569-5280
3545 Plymouth Mutual Town Hall 387H AV INTERSECTS
DALLAS LA INTERSECTS
3800 Beck Virgil V @ 569-2780
3810 Schmidt Gerald L @ 569-4018
3816 Eggert Lloyd 569-9659
3850 No Return
387H AV INTERSECTS
3890 Cox Jas L @ 569-3821
407H AV N INTERSECTS
3940 Kautz Mirl J @ 569-7519
3950 Larson Donald G @ 569-1288
4000 Mills Rd @ 569-5099
COUNTRY RD 3 INTERSECTS
ZIP CODE 55426
4105\*Arthur Edward J 569-9541
4115 Guzman Tony S @ 569-4677
1200 Northwestern Bell (Sub Sta)
4125 Stubbs Vernon C @ 569-9988
4150 No Return
4225 Maca Thomas @ 563-9031
4265 Beyer Elmer P @ 569-5466
4300 Kevin Kevin C @ 569-4575
Bogin Lawrence @
4315 Schmidt Melvin A @ 569-9499
447H AV N INTERSECTS
467H AV INTERSECTS
4825 Charley's Piny Express amusemntn dress 569-9216
Mabeck Prock @ 561-9216
4630 Taylor Jerry L @ 561-1886
4640 Taylor Robt D @ 569-1861

FAIRWAY LA (ST LOUIS PARK) FROM 18TH NORTH 1 WEST OF FLAG AV

- 529 ZIP CODE 55426
1805 Kluftman R Marjorie Mrs @ 545-7554
1811 Siegelman Stanley B @ 545-2575
1824 Kuffmann Kenneth M @ 542-5262
1831 Anderson Philip J @ 645-7266

FARM LA (MINNETONKA) FROM COUNTY RD 73 WEST 1 NORTH OF ROZEYELLE LA

- 492-A ZIP CODE 55443
1120 Hupp Kenneth R @ 938-6344
1121 Woodner Olan H @ 935-5959
1128 Finner Gary R @ 938-1812
1129 Holmquist Dale J @ 938-5326
11426 Bellard Gerald W @ 938-1304
11227 Peterson Niel R @ 935-3086

FERN DR (RICHFIELD)-FROM BLOOMINGTON AV SOUTHEAST 1 SOUTH OF E 70TH

- 671 ZIP CODE 55429
1124 Windstrom J Brian @ 869-5029
1124 No Return
1125 Raw M D Mrs @
1126 Walch Robert C @ 869-1666
1129 Fuchs Neil E @ 869-2723
1130 Evans Joseph L @ 869-4458
1132\*Hedges James J @ 869-3267
1139 Clouston Clayton T @ 861-2597
1141 Schmidt Beverly Mei @ 861-3265
1145 Vacant
DIAGONAL BLVD INTERSECTS

FERNBROOK LA (PLYMOUTH) FROM 16TH AV N NORTH 1 WEST OF HWY 404

- 632 ZIP CODE 55447
1610 Mc Kinney B E @ 473-5244
177H AV INTERSECTS
196 Berzen Jack M @ 473-6700
1711 Evonish Glenis S @ 473-4085
1710 Wagner Spray Tech Corp paint spraying equip 563-7000
197H AV INTERSECTS
2187 AV INTERSECTS
2100 No Ave Inc mg biological safety 563-1270
2100 Daily Printing Inc pntns cont 569-0195
2102 AV INTERSECTS
2310 Mann Depts Trans (Truck Station)
2310 Metzrop Inc constn equip mfg 569-0641
2440 James Phillips Co hosp & phys supply 569-3333
1 Home Pharmacy Co mlt phys & hlt sups 569-3333
2455 Plymouth City Drivers License Exam Station 541 7149
257H AV N INTERSECTS
2600 Press Equipment Co material handling svs cont 569-3223
2605 Precision Graphics Inc cont print 478-4100
2630 Roggen Right Inc graphic arts design 478-9118
2645 Heiderberg Kadem Inc dist graphic art equip 478-2000

FETTERLY RD W (MINNETONKA)-FROM S HOPKINS CROSSROADS WEST

- 581-A ZIP CODE 55843
11251 Fitch L @ 541-0034
11652 Hallin Thos R @ 544-9385
11659 Goldman Albert J Jr @ 546-3622
11660 Goldman Phyllis @ 544-6831
11668 Quirk Paul E @ 544-0511
11612 Dahl Ronald D @ 546-3923
11646 Carr Howard S @ 545-1634
11600\*Meck James 593-0873
11701 Salfarman Mark A @ 544-3907

FAIRWOOD CIR (MINNETONKA)-FROM FAIRWOOD DR EAST

- 507 ZIP CODE 55443
6025 Lundgren Alston @ 934-1284
6031 Wong Donald R @ 934-1714
6035 Jorgensen Harlan H @ 934-3000
6043 Boley Michel @ 934-2996

FARMINDO RD (MINNETONKA)-FROM INVERNESS RD SOUTH

- 492 ZIP CODE 55443
3607 Schmit Joseph L @ 935-1305
3611 Carter John L @ 933-1650
3614 Hlavacek Agnes L @ 938-1821
3621 No Return
3622 Knussel Jeffrey S @
3623 Ruff Russell W @ 933-5403
3628 Vanasek Ann F Mrs @ 933-5052
3629\*Hof David L @ 938-5770
3634 Axel Fredk C @ 933-2079
3638 Kramiec Harold R @ 935-9656
3700 No Return
3701 Ramusson Dorell J @ 938-8438
3706 Heath Wm M @ 938-5068
3707 Ewen James G @ 938-7410
3712 Wendt Carl H @ 935-2967
3715 Saha Brian @ 938-1291
3723 Carlson Margorie Mrs @ 938-7700
3726 Gray Robt A @ 938-8465
3727 Merrill Foster S @ 938-6874
3733 Norris Richd H @ 935-5961
3734 Mc Pherson Fred K @ 933-4458
3740 Hasselbring Bruce A @ 933-6885
3745 Merrill Steve C @ 935-5385
ORCHARD RD INTERSECTS

FARMINGTON RD (MINNETONKA)-FROM WILLOWOOD DR SOUTH

- 587-A ZIP CODE 55943
3908 Lunetta Fraiz @ 934-1917
3916 Keshel Steve N @ 934-8375
5918 Lachmann Gloria E @ 934-9382
6024 Vathing Robt S @ 934-1295
6027 Olson Byron K @ 934-9250
6032 No Return
6037 Mohr Robt L @ 934-9403
6040 No Return
5961 Mc Vay Dennis E @ 934-2371
5967 Clarendon Harlan J @ 934-9401
8401 Galis Virginia V @ 938-8156
8407 Paulson Vernon L @ 934-3453
8401 No Return
6010 Edstrom Dale R @ 934-1854
6020 Wilmer Carl H @ 934-1274
6025 Bergman Howard R @ 934-1906
6030 Beronius Rigt D @ 934-1894
6114 Schladt Fay M @ 934-1284
6125 Freed Thos J @ 934-1393

FERNDALE DR (MINNETONKA) FROM EAST OF SHADY OAK RD 1 MI NORTH OF COUNTY RD 82

- 584 ZIP CODE 55443
1115 Olson Ronald D @ 473-0649
1125 Wood Larry S @ 478-9415
1136 Rolander Virgil K @ 478-1040
127H AV N INTERSECTS
1285 Schultz T H @ 478-0164
137H AV N INTERSECTS
147H AV N INTERSECTS
GLACIER LA INTERSECTS
277H AV INTERSECTS
2805 Computer Applications computer svs & svcs 575-7556
E Williams Lew Enterprises Inc avr 569-1010
2722 Ticket Shack mfg tickets 569-3846
2724 Laser Technology Corporation laser instp electronic svs svcs 569-0962
2730 Paul's Woodcraft Co mlwkrft 569-2881
2840 Plymouth Racquet Club 569-3196
CHESHIRE LA INTERSECTS

FERNDALE DR (MINNETONKA) FROM 6TH AV N NORTH TO COUNTY RD

- 587-A ZIP CODE 55447
4104\*Teagan Jas R @ 478-1240
117H AV N INTERSECTS
127H AV N INTERSECTS
1100\*Miller Roge A @ 473-3600
130 Skrowaczewski Sundeck
1300 Lindberg Gary R @ 475-1286
1220 Spencer E Wells @ 473-5324
COUNTY 6 INTERSECTS

First Banks Members First Bank System

Coming In First





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TEL. 786-6100  
7501 HWY. 65 N.E.  
FRIDLEY



Where To Buy?  
Consult the Classified Business Lists in This Directory

## Thompson ELECTRIC & PLUMBING COMPANY

12201 MINNETONKA BLVD.

The Trusted Name In Residential Electricity,  
Lighting, Plumbing and Supplies

PHONE (612) 933-2521

MINNETONKA (55343)

**FARMINGTON RD (M)—Contd**  
3715 Rankin Ronald S @ 935-6782  
3723 Carlson Marjorie Mrs @ 938-7700  
3725 Gray Rnbt A @ 938-8465  
3727 Merrill Foster S @ 938-6874  
3738 Norris Richd H @ 935-5461  
3734 Mc Pherson Fred K @ 933-8458  
3740 Hagembring Bruce A @ 933-4685  
3745 Hoff Geo A @ 935-5461

**FAVORITE LA (MINNETONKA)  
FROM SUMMIT LA SOUTH** 492  
ZIP CODE 55343  
13712 Treloar Kenneth J @ 933-4596  
13728 Tosterud Arth @ 933-6513  
13827 Larson Gordon J @ 938-8760  
13833 Zesbaugh John H @ 936-6717  
13839 Lane David L @ 938-8482  
13840 Skalslerud Margie J @ 938-8779

**FAWNRISE CIR (BLOOMINGTON)  
FROM POPLAR BRIDGE RD WEST** 696  
9208 Majestic Marketing Mfg Co carpet  
9210 Bart Tom 831-1020  
9212 Nanofghu Attye 831-0461  
9214 Johnson Edw J 831-5092  
9216 Sturatt James R 831-2845  
9218 Connor Richd A 831-1100  
9220 Corcoran Michl G 831-0628  
9222 Gutschling Michl 835-4127  
9224 Mehrlinger Ralph G 835-5814

**FELT LA (MINNETONKA)—FROM  
SHADY OAK RD NORTH** 594  
ZIP CODE 55343

**FELT RD (MINNETONKA)—FROM  
SHADY OAK RD NORTHEAST** 594  
ZIP CODE 55343  
5435 Fald John J @ 938-8019  
5609 Felt Cyril M @ 938-7537  
5625 Ret Delores Mrs @ 935-5737  
5800 Saint Margaret's Cemetery

**FERN DR (RICHFIELD)—FROM  
BLOOMINGTON AV SOUTHEAST 1  
SOUTH OF E 70TH** 671  
ZIP CODE 55423  
1521 Winkelman J Brian @ 869-5029  
1524 Wilhelmson Hans K @ 869-2038  
1525 Raw Marvel Mrs @  
1528 Waltz Richd C @ 869-1666  
1529 Evers Neil E @ 869-2723  
1535 Caspers Joseph L @ 869-4438  
1538W White Bradley C @ 869-6886  
1539 Oelby Clayton T @ 861-3587  
1544 Schmidt Beverly Mrs @ 861-2765  
1545 Conati Frank @ 861-8967

**FERNBROOK LA (PLYMOUTH)  
FROM 16TH AV N NORTH 1 WEST  
OF HWY 494** 632  
ZIP CODE 55441  
1115 Olson Ronald II @ 473-0509  
1125 Wood Larry S @ 476-3615  
1135 No Return  
1705 Bergren Jack M 473-8780  
1711 Evenson Dennis S @ 473-0085  
1770 Wagner Spray Tech paint sprayers  
559-1770  
2100 Nu Aire Inc air conditioning equip  
563-1270  
2220 Daily Printing Inc 559-0195  
2315 State Dept Transportation  
2340 Metroquip Inc els & rental high  
reach equip 559-0541  
2440 Physicians & Hospitals Supply  
559-3333  
Phys & Hospital Supply Co (Whae)  
West Metro State Drivers Examining  
Ofc drivers training 473-1592  
2500 Prest Equipment Co Inc els fork lift  
& conveyors 559-3233  
2515 Software Service computer serv  
473-8888  
2625 Jones R J Commercial Printing  
473-2337  
2533 R J C Mechanical 476-0815  
2545 Scoville Press Inc printers 475-0606

**2645 Herwig Marvin K @ 559-5898**  
2705 Anderson D L @ 559-1121  
2715 Vacant  
2720 Jacobs Wind Electric Co mfg wind  
driver equip 559-9361  
2722 Jacobs Wind Elec (Sub Ofc)  
2724 Jacobs Wind Elec (Sub Ofc) bldg  
contr  
2730 Paul's Woodcraft Co millwork  
559-2990  
2800 Plymouth Racquet Club 559-3196  
2805 No Return

**HWY 55 INTERSECTS** 448  
3131 Office Buildings  
Rooms  
101 Eravold Hamm & Gordon Ltd  
cpa's 559-4422  
101a Blumentritt Paul Sales mfr rep  
559-3630  
104 New Horizon Homes bldg contr  
559-6770  
106 Townsend & Young Inc ins  
559-1813  
107 Vacant  
108 M A S Steel Inc 559-0990  
109 Johnson Ron & Associates ins  
559-5225  
110 I D S Marketing Corp Regional  
Sls Ofc  
111 Johnson Ron & Assoc (Sub Ofc)  
3131 Vacant  
112 Vacant  
114 Vacant  
115 Sjustad K N Co Inc business  
forms 553-1218  
119 Crofoot Grant mfr rep 559-4616  
120 Vacant  
121 Stuart Gronneberg & Associates  
Inc mfr rep 559-3884  
200 Lunchrm  
201 Conference Rm  
202 Minnesota Homes Inc 559-4835  
203 City Of Lakes Real Estate  
559-5989  
204 Associated Consultants engs  
559-5511  
205 Park Valley Agency Inc ins agcy  
559-2221  
206 United Homes Corp real est  
559-1000  
208 Woodbury-Evans Inc real est  
559-5050  
210 Dist Center Of Plymouth ladies  
home party fashion pin  
559-3525  
212 H B E Leasing Corp 559-3870  
225 Hjelle Agency Inc ins 553-1146  
227 Pennwalt Corp (Wallace-Tiemann  
Div) 553-4116

3135 Eckes Philip J @ 559-4384  
3225 La Vigne James C photog @  
559-2536  
3235 Herwig Steve W @ 553-1046  
3315 Johnson Manfred J @ 559-4383  
3330 Lessard Wallace E @ 559-2122  
3430 Turner Lowell R @ 559-2995  
3435 No Return  
3440 Johnston Jean G Mrs @ 559-2475  
3450 Starr John E @ 559-0489  
**35TH AV N INTERSECTS**  
3595 Schultz S F @ 559-3160  
3540 Krupp Glenn D @ 559-5293  
3650 Munson Nardie L @ 559-5314  
3800 Beck Virgil V @ 559-2780  
3810 Schmidt Gerald H @ 559-4018  
3816 Zikowski Thos H @ 559-3507  
3920 Armita Stevens 559-0216  
**40TH AV N BEGINS**  
3940 Wanders John @ 559-0873  
3950 Larson Donald G @ 559-1283  
4000 Milla Albert D @ 559-9269  
**COUNTY RD 9 INTERSECTS**  
ZIP CODE 55442  
4105 Huntington Donald D @ 559-1427  
4115 Walters Keith D @ 559-4510  
4120 Tel Co (Sub Stn)  
4125 Stubbs Vernon G @ 559-5688  
4150 Schlusser Raymond E @ 559-4654  
4285 Holden Ronald E @ 559-0816  
4265 Beyer Elmer P @ 559-6456  
4300 Begie Lillian A Mrs @ 559-9563  
4315 Schmidt Melvin A @ 559-3036  
4625 Charley's Pony Express amusement  
devices 559-9216  
Malenka Fredk @ 559-9216  
4630 Kittleson Newell H ptrng contr @  
559-5723  
4640 Taylor Robt D @ 559-1861

**3235 Herwig Steve W @ 553-1046**  
3315 Johnson Manfred J @ 559-4383  
3330 Lessard Wallace E @ 559-2122  
3430 Turner Lowell R @ 559-2995  
3435 No Return  
3440 Johnston Jean G Mrs @ 559-2475  
3450 Starr John E @ 559-0489  
**35TH AV N INTERSECTS**  
3595 Schultz S F @ 559-3160  
3540 Krupp Glenn D @ 559-5293  
3650 Munson Nardie L @ 559-5314  
3800 Beck Virgil V @ 559-2780  
3810 Schmidt Gerald H @ 559-4018  
3816 Zikowski Thos H @ 559-3507  
3920 Armita Stevens 559-0216  
**40TH AV N BEGINS**  
3940 Wanders John @ 559-0873  
3950 Larson Donald G @ 559-1283  
4000 Milla Albert D @ 559-9269  
**COUNTY RD 9 INTERSECTS**  
ZIP CODE 55442  
4105 Huntington Donald D @ 559-1427  
4115 Walters Keith D @ 559-4510  
4120 Tel Co (Sub Stn)  
4125 Stubbs Vernon G @ 559-5688  
4150 Schlusser Raymond E @ 559-4654  
4285 Holden Ronald E @ 559-0816  
4265 Beyer Elmer P @ 559-6456  
4300 Begie Lillian A Mrs @ 559-9563  
4315 Schmidt Melvin A @ 559-3036  
4625 Charley's Pony Express amusement  
devices 559-9216  
Malenka Fredk @ 559-9216  
4630 Kittleson Newell H ptrng contr @  
559-5723  
4640 Taylor Robt D @ 559-1861

**FERNDALE AV NE (FRIDLEY)  
FROM 1 WEST OF BENJAMIN ST  
NE EAST 2 NORTH OF GARDENA  
AV NE** 425  
ZIP CODE 55432  
1504 Geupp Otto A @ 574-0454  
1505 No Return  
1508 Vinewood Builders remodeling contr  
871-0311  
Scholl Ronald J @ 571-0911  
1511 Olsen Irving W @ 574-9335  
1521 Arel Roger D @ 571-0978  
1522 Richard Andrew E @ 574-1728  
1540 Otto Leo C @ 571-9718  
1541 Rite Charles E @ 571-4054  
1550 Maroon Theo  
1560 Duval Ellena L @  
1561 Doty Gary M @ 571-3273  
1567 Bjorklund Richd J @ 574-1974  
1568 Hanson Jim G @ 574-0859  
1573 Nelson Terry J @ 571-6920  
1579 Clason David @ 571-5323

**1511 Olsen Irving W @ 574-9335**  
1521 Arel Roger D @ 571-0978  
1522 Richard Andrew E @ 574-1728  
1540 Otto Leo C @ 571-9718  
1541 Rite Charles E @ 571-4054  
1550 Maroon Theo  
1560 Duval Ellena L @  
1561 Doty Gary M @ 571-3273  
1567 Bjorklund Richd J @ 574-1974  
1568 Hanson Jim G @ 574-0859  
1573 Nelson Terry J @ 571-6920  
1579 Clason David @ 571-5323

**FERNDALE DR (MINNETONKA)  
FROM EAST OF SHADY OAK RD 1  
MI NORTH OF COUNTY RD 62** 694  
ZIP CODE 55343

**FERNDALE RD N (PLYMOUTH)  
FROM SOUTH CITY LIMITS  
NORTH** 450  
ZIP CODE 55391  
12TH AV N INTERSECTS  
1120 Skrowacski Stanislaw  
1200 Bremer John @ 473-8062  
1220 No Return  
**COUNTY 6 INTERSECTS**

**FERNLAND CT (MEDICINE LAKE)  
FROM SOUTH SHORE DR AND  
HIGHWAY 55 WEST** 689  
ZIP CODE 55441  
25 No Return  
27 Schmidt David A 545-4803  
28 Osowski Joseph M 545-7350

**FERRIS LA (MINNETONKA)—FROM  
EDEN PRAIRIE RD EAST** 567  
ZIP CODE 55343  
14331 Seefeldt Harold R @ 934-9638  
14333 Vacant  
14400 Engstrom Walter H @ 934-9642  
14401 Wombacher John D @ 934-9627  
14409 Noll Richd J @ 934-1738  
14414 Schoenberg Robt C @ 934-9629  
14417 Swanson Dennis @ 934-9628

**FETTERLY LA (MINNETONKA)  
FROM FETTERLY RD NORTHWEST  
3 WEST OF COUNTY RD 73** 591  
ZIP CODE 55343  
11551 Holland Jeffery @ 546-2592  
11552 Hallin Thos R @ 644-9555  
11559 Clark Stuart B @ 545-5195  
11660 Goldman Richd S @ 544-6831  
11701 Saletterman Mark A 544-5937

**FETTERLY RD (MINNETONKA)—** 591  
ZIP CODE 55343  
11209\*Ulom John R 545-2662

**FETTERLY RD W (MINNETONKA)  
FROM S HOPKINS CROSSROADS  
WEST** 591  
ZIP CODE 55343  
11309 Burandt's Television Service  
546-6848  
11619\*Heimerl K C  
11820 Bechtold James L @ 546-3798  
11824 Puffett Gary @ 546-8130  
11848 Davidson Harold @ 546-0758  
11812 Crider Lloyd A @ 545-0981  
11519 Heimerl Richd C @ 544-5025  
11527\*Hardwick Leonard P 544-5636  
11543 Griffith Raymond D @ 546-5013  
11544 Maimen Eug L @ 544-4731  
11667 Smith Rod @ 545-2382  
11558\*Guthart Richd L @ 546-1125  
11568 Quale Paul E @ 544-0611  
11612\*Dahl Ronald D 546-5023  
11656 Carp Howard @ 546-1634  
11660 Rosenthal Eug @ 546-5722  
11662 No Return

**FIELD DR (GOLDEN VALLEY)  
FROM HANLEY RD WEST AND  
SOUTH 1 EAST OF BROOKVIEW  
COUNTRY CLUB** 518  
ZIP CODE 55426  
420 Cook Marvin D @ 545-1653  
505 Hanson James C @ 545-1154  
615 Shirley Robt W @ 545-9821  
675 No Return

**FIELD WAY (EDINA)—FROM  
LONDONDERRY DR NORTH IN A  
CIR 3 NORTH OF NINE MILE  
CREEK** 463  
ZIP CODE 55436  
6600\*Ogurak Melvin @ 935-5068  
6601 Locke Murray S @  
6604 Goldstein Martha A @ 938-9399  
6605 Dunn Leo R @ 935-5577  
6608 Hofstad Ralph P @ 933-7865  
6609 Azar Miguel M @ 938-5216  
6612 Mieder Edw C Jr @ 936-4241  
6613 Peterson Harold L @ 933-5236  
6616\*Geddis John E @ 933-0705  
6617 Sheehan James C @ 933-0756  
6620 Sciamanda John @ 938-0564

6621 Vacant  
6700 Mellem Kenneth L @ 936-0874  
6701 Wilson Robert E @ 933-5491  
6704 Schwartzbauer Robert A @ 933-9610

**FILLMORE ST NE (COLUMBIA  
HEIGHTS)—FROM 48TH AV NE  
NORTH AND WEST 4 EAST OF  
CENTRAL** 421  
ZIP CODE 55421  
4506 Larson Lyle M @ 571-3295  
4508 Boone R @ 671-0382  
4509\*Maynard M S 574-9953  
Upper Vacant  
4514 Johnson Warren R @ 571-6362  
4515 Alcorn Khris N @ 571-4496  
4516 Moore Florence E @ 574-9911  
4517 Battig Dave H @ 574-0696  
4518\*Prames Joseph  
4533 No Return  
4524 Zimmerman Kenneth I @ 571-8450  
4526 Hall Raymond 671-8873  
454 AV NE ENDS  
4531\*Axelson James  
4532 Hamrin Christopher H @ 571-8448  
4533 Boyce Doris J  
4534\*Mehrens Douglas R 571-6577  
4539\*Mobury Mildred 574-1610  
Klewin Eloise @  
Taber Wm

4544 Rhodes Sharon A 571-7009  
Richards Harold C 571-1783  
4545\*La Quier Cath A 571-8721  
4547 Eklund Harry  
4549\*Mixon Mitchell  
4550\*Murphy L K 571-5624  
4555 Emmert Clinton G 574-7399  
4556 No Return  
4557 De Moure Gary W 571-5412  
4558\*Connett G R 574-1909  
46TH AV NE INTERSECTS  
4600\*Jablonski Diane 574-0133  
4601 Brought Mary Jane @ 571-5832  
4602 Vacant  
4606 Knutson Herbert C @ 571-6459  
4607 Williams Marilyn K 574-9803  
4608 No Return  
4609 Becker Linda L 571-9168  
4610 No Return  
4612 Erickson Dale E @ 574-9053  
4613 Buhmann Judith A 572-0257  
Kooli James I 571-2556  
4618 Porter Kenneth L @ 574-9092  
4619\*Hiedeman Carlotta J 572-0293  
Fleaher Karen R 572-0386  
4624 Braaten Curtis J @ 571-5679  
4625 Brooks Charles N @  
Ducher Jeanine R  
4627 Judge Robt A 571-4406  
4630 Sheddoff Clifford M @ 571-7437  
4631\*Cardinal K  
Blunt George 574-9641  
4636 Warrick John S @ 571-8232  
4637 No Return  
4642 Gordier Kenneth L @ 571-6805  
4643 Vacant  
4645\*Syvoda Laura  
4646 De Coursey Wm L @ 574-9062  
4649\*Dahl Thos  
4654 Solcemas Maria @ 571-8680  
4655 Mc Kenna Sally  
4657\*Duffy Jack

**47TH AV INTERSECTS** 602  
4905 Gaynor Philip J @ 574-0423  
4910 Hart Robt W @ 571-7324  
4916 Brunsford Jon A @ 571-4190  
4925 Holland Z H @ 574-0428  
**LINCOLN TER INTERSECTS**  
4945 Caskey Carl C Rev @ 571-1869  
4950 No Return  
4960 Pukite Janis @ 571-8705  
**NE BUCHANAN PL INTERSECTS**  
5000 Brasi Michl F @ 571-2894  
5015 Yurista Steven G @  
5020\*Hawrysh Ludwina @ 571-1875

**FILLMORE ST NE (FRIDLEY)—FROM  
1 SOUTH OF 53D AV NE NORTH 4  
WEST OF MATTERHORN DR** 401  
ZIP CODE 55421  
5200 Boomer Geo H Jr @ 571-5544  
5211 No Return  
5212\*Bliss Denn 571-8333  
5221 Raines Thos C @ 572-0612  
5222 Armentrout Norris L @ 571-1975  
5231 Ward Donald C @ 571-8741  
5234 Molinaro Peter S @ 571-8114  
5241 Arth Thos R @ 571-7790  
5246 Schenk Marvin W @ 571-9687  
5251 Webster M Howard @ 571-7092  
5258 Parizek Ronald G @ 571-4633  
5261 Bungert Joseph M @ 571-5366  
5271 Smith Allan J @ 571-2274  
5298 O'Bannon Mike E @ 571-8865  
**53D AV NE INTERSECTS**  
5300 Patron James L @ 571-9426  
5353 Berg Julie I Mrs @  
**SKYWOOD LA INTERSECTS**  
5355\*Shields Wm L 572-0267



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**MINNEAPOLIS VAN & WAREHOUSE CO.**

Agents Allied Van Lines  
Moving - Storage - Packing - Shipping  
TEL. 339-9400

(Minneapolis 55401)

100-112 1st. Av. N.

Minneapolis 55418

**H. E. ERICKSON CO., Inc.**

SINCE 1904  
Tools and Equipment For Construction and Industry, Sales, Service and Rentals  
TEL. 612-781-6806

(Midway Between Central and University Av. N.E.)

635 Lowry Ave. N.E.

**SEARS ROEBUCK AND CO. OF BROOKDALE**

COMPLETE RETAIL DEPARTMENT STORE  
TEL. 874-3444

1297 Brookdale Shopping Center

Highway 100 Brooklyn Blvd. (Hwy. 152)

(Brooklyn Center) Zip 55430

250

**FAIRWAY DR (CE)-Cont'd**  
1910 Kinkle Richd @ 571-4825  
1920 Berry Dixie @ 571-0682  
1930 Puchs Werner P @ 571-0779  
2000 Boss Lee @ 574-1961  
2020\*Christen Steve L @ 570-0547  
2030\*Carson Robt S @ 571-0576  
2100 Wild Clifton A @ 571-0307  
W UPLAND CREST BEGINS  
2101 Vacant  
2102 Muellerleite Len J @ 571-0264  
2103 Mahlmann Charles W @ 571-0993  
2104 Mundy Arth J @ 571-7441  
2105 Lazare Thad @ 574-9056  
2106 Swan Fred P @ 571-2263  
2108 Koss Helen D Mrs @ 571-0218  
2109 Cleveland Darrell B @ 571-4308  
**CHATHAM RD ENDS**  
2113 Roach Donald F @ 571-2892  
2119 Capinski Gerald P @ 574-9082  
2123 Hartel Robt J @ 571-6840  
2127 Hartmann Annabelle M Mrs @ 574-0341  
2133 Hince Le Roy G @ 574-0337  
2139 Ruzin Danl E @ 571-8226  
2201 King Virgil L @ 574-0918  
2209 Fowler James E @ 574-1333  
2215 Skalkicky Alf J @ 574-0679  
2221 Zaccardi E Mrs @ 571-0882  
2227 Frolik Bernard A @ 571-0981  
**UPLAND CREST INTERSECTS**  
2344 Wright David E @ 571-0630  
2345 Strand Gordon W @ 571-1831

**FAIRWAY LA (ST LOUIS PARK) 529**  
FROM 18TH NORTH I WEST OF FLAG AV  
ZIP CODE 55426  
1605 Kaufmann Henry H @ 645-7684  
1611 Segelbaum Stanley B @ 545-2676  
1621 Murphy Jeremiah J @ 545-7647  
1631\*Anderson Philip L @ 545-7306

**FAIRWOOD CIR (MINNETONKA) 547**  
FROM FAIRWOOD DR EAST  
ZIP CODE 55343  
6029 Lundgren Alston @ 938-0805  
6031 Wong Donald R @ 935-3714  
6037 Jorgensen Harlan H @ 935-6785  
6043 Boley Michl R @ 935-2903

**FAIRWOOD DR (MINNETONKA) 547**  
FROM WILLOWWOOD DR SOUTH  
ZIP CODE 55343  
5906 Lynette Frank @ 935-1575  
5916 Sundin Gordon V Jr @ 938-8891  
5919 Vacant  
5924 Vathing Robt S @ 933-1376  
5927 Olson Byron @ 938-2867  
5932 Hoghaug Harold T @ 933-7641  
5937 Noble Robt L @ 933-1017  
5940 Ong Lincoln @ 935-1410  
5951 Mc Clay Dennis E @ 935-5833  
5957 Vastland Harlan J @ 938-3896  
6001\*Hillestrom Robt @ 933-1518  
6007 Pouliot Vernon L @ 938-7135  
6013\*Durocher John H @ 935-7430  
6019\*Wierschem Joseph G @ 933-1838  
6020\*Wilmot Carl D @ 935-9399  
6025 Finnigan Howard R @ 938-7277  
6100 Benjamin Richd D @ 938-2552  
6114 Sebald Eug M @ 935-8479  
6125 Larson Michl J @ 935-8362

**FAIRWOOD LA (MINNETONKA) 547**  
FROM FAIRWOOD DR WEST  
ZIP CODE 55343  
5900 Komanecky Geo @ 938-3020  
5901 Applegate Alan C @ 938-8368  
5909 Copeland Rich E @ 933-0732  
5916\*Morton David N @ 938-4887  
5921 Hansen Dennis L @ 935-9490  
5928 Ritzinger Geo B @ 935-9192  
5934\*Landgraf Frank @ 933-0212  
5941\*Erickson Dona @ 935-3558  
5942\*Gillies Donald E @ 935-2745  
5949\*Kallie Richd @ 938-1725  
5951 Thomas Robt L @ 935-9854  
5952 Straining James A @ 935-5286  
5956 Vacant  
5957\*Lewis David W @ 938-5227  
15602\*Selath Thos @ 933-2875  
15607 Klaus Richd B @ 938-2493  
15618 Svika Gunars @ 938-7324  
15619 Ainsworth Michl C @ 933-3750  
15701 Morris Wm M Jr @ 938-4296  
15709\*Erickson Robt K @ 935-1503  
15717 No Return

**FALCON CT (EDINA)-FROM 468**  
OLINGER BLVD NORTH  
ZIP CODE 55438  
6300\*Ranker Wm E @ 922-1671  
6301 Under Const  
6304\*Caristis John A @ 922-8844  
6305 Under Const  
6308\*Bransford A @ 922-6468  
6309 Under Const  
6312\*Strathy Robt D @ 920-5809  
6313 Under Const  
6317 Under Const

**FARM LA (MINNETONKA)-FROM 492**  
COUNTY RD 73 WEST I NORTH OF ROYZELLE LA  
ZIP CODE 55343  
11210 Happ Kenneth K @ 938-8544  
11211 Dock Peter L @ 935-8048  
11218 Ralston Lowell @ 935-0609  
11219 Holmquist Dale J @ 938-5276  
11226 Ballard Jerry W @ 938-1304  
11227 Peterson Neil R

**FARMDALE RD (HOPKINS)-FROM 459**  
WAYSIDE RD EAST AND NORTH 2 SOUTH OF HWY 7  
ZIP CODE 55843  
1 Soules Harold A @ 938-2864  
100 Johnson Lawrence E @ 935-5838  
1012 Helgeson Richd @ 933-0744  
103 Segal Stuart R @ 935-5407  
104 Peterson Lester E Jr @ 938-5094  
105 Lohmann Arth M @ 938-3114  
108 Lujan Joseph C @ 938-5237  
109 Gaskoll Alf J @ 935-2925  
112 Paris Dennis G @ 935-9893  
116 Larson Wayne H @ 935-1168  
118 Gartner Herbert @ 938-5083  
204\*Child R Thos @ 933-3950  
208\*May Ron @ 933-5537  
209 Kraemer Paul W @ 938-2474  
210 Otto K Maxfield @ 938-7202  
**CAMPBELL DR INTERSECTS**  
307 Cottrell Lester W @ 935-1425  
313 Laurel Myron J @ 938-5979  
**SWEETBRIAR LA INTERSECTS**  
417 Niemann Richd O @ 938-5306

**FARMINGTON RD (MINNETONKA) 492**  
FROM INVERNESS RD SOUTH  
ZIP CODE 55343  
3607 Schmil Joseph L @ 935-1305  
3611\*Greenwood Barton L @ 933-1575  
3614 Havacek Agnes L Mrs @ 938-9320  
3622 Kosmaki Jeffrey S @ 933-3851  
3623 Seidger Eug R @ 935-6388  
3628\*Van Asek D @ 933-5562  
3629 Reier David @ 935-6406  
3634 K And A Agency ins @ 935-2079  
Axel Fredk C @ 935-2079  
3635 Krantz Harold R @ 935-6854  
3700 Hovdeven Wesley @ 935-5965  
3701 Rasmussen Darrell R @ 938-8458  
3706 Heath Wm M @ 938-5568  
3707 Krenz Robt P @ 938-1438  
3712 Wendt Carl H @ 935-2967  
3715\*Rankin Ronald S @ 935-6782  
3723 Carlson Ralph E @ 938-7700  
3726 Gray Robt A @ 938-6665  
3727 Merrill Foster B @ 938-8874  
3733 Norris Richd H @ 935-5461  
3734 Johnson Edwin M @ 938-8002  
3745 Hoff Geo A @ 938-1696  
3840 Esler Larry C @ 935-8940

**FAVORITE LA (MINNETONKA) 492**  
FROM SUMMIT LA SOUTH  
ZIP CODE 55343  
13712 Treloar Kenneth J @ 933-4836  
13738 Tosterud Arth @ 935-6511  
13827 Larson Gordon J @ 938-8780  
13833 Zeshaugh John H Jr @ 938-2046  
13840 Under Const

**FELTIL RD (MINNETONKA)-FROM 494**  
SHADY OAK RD NORTHEAST  
ZIP CODE 55343  
5435 Feltl Stanley @ 938-8019  
5509 Feltl Cyri M @ 938-7537  
5525 Reli Delores Mrs @ 938-8737  
5800 Saint Margaret's Cemetery

**FERN DR (RICHFIELD)-FROM 871**  
BLOOMINGTON AV SOUTHEAST I SOUTH OF E 70TH  
ZIP CODE 55423  
1521 Winkelman J Brian @ 868-5929  
1524 Wilhelmson Hans K @ 868-2038  
1525\*Raw Marvel Mrs @ 868-1666  
1528 Walz Richd C @ 868-1666  
1529 Evers Neil E @ 868-2723  
1535 Caspers Joseph L @ 868-4438  
1538 Brinkman Earl H @ 869-3068  
1539 Ostby Clayton T @ 861-3587  
1544\*Schmitt Beverly Mrs @ 861-3266  
1545 Sturges Donald L @ 866-1903

**FERNBROOK LA (PLYMOUTH) 650**  
FROM 18TH AV N NORTH I WEST OF HWY 494  
ZIP CODE 55441  
1115 Olson Ronald D @ 473-0509  
1125\*Wood Larry S @ 473-3615  
1135 Murphy Michl J @ 473-2180  
1615 Osa Thos K @ 473-0618  
1705 Bergren Anna Mrs @ 473-8760  
Bergren Jack M  
1711 Evenson Dennis S @ 473-0085  
2160 Vacant  
2315 State Dept Transportation  
2440 Physicians & Hospitals Supply  
569-3333  
Phys & Surgeons (Whse)  
2455 West Metro State Drivers Examining  
Ofc drivers training 473-1592  
2525 Erikson Axel J @ 569-2686

**HERWIG MARVIN CT 698**  
2645 Herwig Marvin K @ 569-5896  
2705 Anderson Floyd @ 569-1121  
2710 Moon Mark A @ 569-5044  
2715 M & Y Construction Co water  
treatment 569-2222  
2722 Vacant  
2724 Magney Construction Co bldg contr  
569-6545  
2730 Paul's Woodcraft Co millwork  
569-2990  
2805 Anderson Betty J Mrs @ 569-3713

**HWY 55 INTERSECTS 448**  
3131 Office Buildings  
Rooms  
101 Vaughan D R & Associate cpa's  
569-4422  
102 United Homes Corp real est  
569-1000  
103 Vaughan D R & Assoc (Sub Ofc)  
104 New Horizon Homes bldg contr  
569-5770  
105 Vaughan D R & Assoc (Sub Ofc)  
106 Vacant  
107 Vacant  
108 M A S Steel Inc steel fabricators  
559-0990  
111 Vacant  
112 Colonial Life And Accident  
Insurance Co 569-2050  
114 Vacant  
115 Whamo Inc food brokers  
569-8752  
117 Loken T Erick adv agcy 569-5090  
119 Crofoot Grant mfr rep 569-4615  
120 Vacant  
121 Loken Erick T & Assoc (Sub  
Ofc)  
123 Hamble & Associates playground  
equip mfr 563-1412  
200 Lunchrm  
201 Conference Rm  
202 World Wide Church Of God (Ofc)  
204 Associated Consultants engs  
569-5511  
206 Vacant  
208 Hjelle Insurance Agency 563-1146  
210 Queen's Way To Fashion ladies  
home party fashion plan  
569-2070

212 Vacant  
3135 Eckes Philip J @ 569-4384  
3235 Le Vigne James C photog @  
569-2536  
3235 Herwig Steven @  
3315 Johnson Manfred J @ 569-4383  
3330 Lessard Wallace E @ 569-2122  
3430 Turner Lowell R @ 569-2995  
3435 Belgrade Chris D Jr @ 569-5100  
3440 Johnston Jean G Mrs @ 569-2475  
3450\*Starr John E @ 569-0489

**38TH AV N INTERSECTS**  
3595 Schulte Sharrie Mrs @ 569-3180  
3540 Krupp Glenn D @ 569-5283

3560 Munson Donald C cement contr @  
569-5314  
3640 Kraskey Sam 569-5319  
3800 Beck Virgil V @ 569-2780  
3810 Schmidt Gerald L @ 569-4018  
3815 Zbikowski Theo H @ 569-2507  
3820 Olson James C @ 569-9682  
3905 Beffa Larry @ 563-1583  
3920 Marken Bradley  
40TH AV N BEGINS  
3940\*Maters John  
3950\*Nelson David R @ 563-1334  
4000 Milla Albert D @ 569-9269  
COUNTY RD 9 INTERSECTS  
ZIP CODE 55442  
4115\*Holden Ronald E @ 568-0816  
4120 Tel Co (Sub Sta)  
4125 Schmidt David M @ 569-5113  
4150 Schlosser Raymond E @ 569-4654  
4235 Olson Arnold C @ 569-4291  
4265 Beyer Emmer P @ 569-5466  
4300 Begin Lillian A Mrs @ 569-9563  
4315 Schmidt Melvin A @ 569-3036  
4625 Charley's Pony Express amusement  
devices 569-9216  
Malenka Fredk @ 569-9216  
4630\*Kittelson Newell H png contr @  
569-5723  
4640\*Taylor Robt

**FERNDALE AV NE (FRIDLEY) 435**  
FROM NE HILLCREST DR EAST I WEST OF STINSON BLVD  
ZIP CODE 55432  
1504 Gaupp Otto A @ 574-0454  
1505 Lemble Larry A @ 671-0966  
1508 Vinewood Builders remodeling contr  
571-0311  
Scholl Ronald J @ 571-0311  
1511 Bannochie Douglas W @ 671-2776  
1521 Arel Roger D @ 571-0978  
1522\*Richard Andrew B @ 574-1728  
1540 Otto Leo C @ 571-9716  
1541 Rice Charles E @ 571-4064  
1560 Duval Eliena L @ 571-4306  
1561\*Doty Gary @  
1567 Pearson Duane B @ 571-7117  
1568 Gunhus Darrell G @ 571-1074  
1573 Clasen Terry J @ 571-6930

**FERNDALE RD N (PLYMOUTH) 450**  
FROM SOUTH CITY LIMITS NORTH  
ZIP CODE 55391  
545 Strand Richd E @ 473-6681  
565\*Steiner Bruce @ 473-3396  
1710 Ellwell Laurance R Jr @ 473-7743  
12TH AV N INTERSECTS  
1120 Skrowczewski Stanislaw @  
1200\*Breamer John @  
1220 Pedersen Paul E @ 473-4012

**FERNLAND CT (MEDICINE LAKE) 589**  
FROM SOUTH SHORE DR AND RUGHWAY 55 WEST  
ZIP CODE 56441  
25 No Return  
25\*Olusen David R 548-8376  
26\*Kogl James 545-4803  
28 Vacant

**FERRIS LA (MINNETONKA)-FROM 567**  
EDEN PRAIRIE RD EAST  
ZIP CODE 55343  
14331 Steinfeld Harold R @ 935-7889  
14333 Erickson Dorothy J Mrs @  
935-4376  
14400 Engstrom Walter H @ 935-2264  
14401 Wombacher John D @ 935-1280  
14409\*Weitrick David @  
14414\*Schoenberg Robt C @ 933-5707  
14417\*Swanson Dennis @ 930-6492

**FETTERLY LA (MINNETONKA) 491**  
FROM FETTERLY RD NORTHWEST 2 WEST OF COUNTY RD 73  
ZIP CODE 55343

**FIELD DR (GOLDEN VALLEY) 418**  
FROM HANLEY RD WEST AND SOUTH I EAST OF BROOKVIEW COUNTRY CLUB  
ZIP CODE 55426  
420 Cook Marvin D @ 545-1853



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Tire Div. 445-4981

- 184
184
- FAIRVIEW AV N (O—Comd)
    - 6704 Strandberg Craig C @ 533-3643
    - 6710 Lynch Grace M Mrs @ 537-5029
    - 6716 Rimpby Roger A @ 533-6809
    - 6723 Quast Wilbert N @ 537-6289
    - 6728 Dahl Arvid L @ 537-4682
  - IDAHO AV N ENDS
    - 6600 Rud Richd G @ 537-8227
    - 6606 Jordan Gray S @ 537-4244
    - 6612 Larson Donald L @ 535-7896
  - JERSEY AV N INTERSECTS
    - 6916 Olson D Evelyn Mrs @ 533-2586
    - 6922 Horberg Robt J @ 537-4630
    - 6928 Scheidecker Frank E @ 537-4291
  - KENTUCKY AV N ENDS
    - 7000 Rose Cecile A @ 537-4343
    - 7006 Brick John L @ 537-9084
    - 7012 Kolofat Charles A @ 537-9401
    - 7018 Staples Richd G @ 537-8908
    - 7024 Miller Dale D @ 537-7222
  - LOUISELA AV N INTERSECTS
    - MARYLAND AV INTERSECTS
    - NEVADA AV INTERSECTS
- 44
44
- FAIRVIEW AV N (NEW HOPE)—FROM ZEALAND AV N WEST 1 NORTH OF 44<sup>th</sup> AV N
    - ZIP CODE 55428
    - 8500 Anderson James B @ 533-6458
    - 8508 Sunvold Wesley D @ 533-1834
    - 8509 Braun Robt A @ 533-2079
    - 8518 Pierson Harold A @ 533-5948
    - 8517 Hallor John D @ 537-7222
    - 8524 Engelstrom Wm E @ 537-9687
    - 8525 Wold Frederick A @ 533-7988
    - 8601 David Eug C @ 537-1944
    - 8600 O'Brien Paul B @ 537-2523
    - 8608 Olson Donald W @ 537-7477
    - 8609 Palashewski Fred J @ 537-3806
    - 8616 Mallison Edgar R @ 533-4686
    - 8617 Kopp Wan J @ 537-1683
  - BOONE AV INTERSECTS
- 94
94
- FAIRVIEW LA (MINNETONKA)—FROM FAIRVIEW AV EAST
    - ZIP CODE 55343
    - 12017 Swenson Donald C @ 936-3236
    - 12024 Braucher Richd N @ 936-5882
    - 12026 Carlson Wm R @ 936-2345
    - 12106 Johnson Eug W @ 935-2542
    - 12115 Larsson Gerald O @ 938-6678
- 102
102
- FAIRWAY DR (COLUMBUS HEIGHTS)—FROM WEST UPLAND CREST EAST
    - ZIP CODE 55421
    - 1610 Johnson Woodrow P @ 788-7116
    - 1620 Schaaf Gunther A @ 788-2906
    - 1630 Stegfeldt Erwin W @ 788-7714
    - 1640 Winter Joseph B @ 788-0214
    - 1650 Kishish Chris J @ 788-7682
    - 1660 Kaczmarek Edw J @ 788-3627
    - 1665 Hedblad Royhl C @ 788-4866
    - 1670 Austin Stewart D @ 788-2032
    - 1675 Hlsen Elbert M @ 788-9736
    - 1700 Turanski Philip D @ 788-7496
    - 1710 Larson Clarence E @ 788-4200
    - 1715 Frazer Geo R @ 789-7631
    - 1720 Winquist James E @ 788-0453
    - 1725 Dufault Don J @ 788-2196
    - 1730 Kets Geo Jr @ 788-2186
    - 1736 La Houd D E Mrs @ 788-8287
    - 1800 Romques Donald E @ 781-2281
    - 1838 Mathers Alvin G @ 788-2899
    - 1820 Northby David A @ 788-2800
    - 1828 Knutson Thos G @ 788-5945
    - 1840 Lucas Dnn L @ 788-4354
    - 1848 Kimber Robt A @ 788-8840
    - 1850 Henry Paul R @ 788-3029
    - 1860 Forsmark Alvin C @ 788-4108
    - 1870 Hendrickson Mark P @ 788-5623
    - 1900 Rethwell Clayton Jr @ 788-3891
    - 1910 Kiehl Richd @ 788-4885
    - 1920 No Return
    - 1930 Fuchs Wainer P @ 788-1072
    - 3000\*Voes H @
    - 3220 Stader John D @ 788-6986
    - 2038 Johnson Wayne M @ 788-4982
    - 2108 Wolf Clifford A @ 788-1534
  - W UPLAND CREST BEGINS
    - 2101 Schaefer David L @ 788-2178
    - 2102 Muellerivelle Len J @ 788-6093
    - 2103 Mahlman Charles W @ 788-5286
    - 2104 Mundy Arth J @ 788-7441
    - 2108 Velt John G @ 788-5409
    - 2108 Swan Fred P @ 788-2285
    - 2108 Kow Heien D Mrs @ 788-5154
    - 2128 Cleveland Russell @ 788-3306
  - CHATHAM RD ENDS
    - 2113 Roach Donald F @ 788-2892
    - 2119 Gapiak Gerald P @ 788-1192
    - 2123 Harwell Robt J @ 788-8940
    - 2127 Hartman Annabelle Mrs @ 788-3190
    - 2138 Hince Le Roy G @ 788-6445
    - 2139 Cloutier Russell A @ 788-3363
    - 2201 King Virgil L @ 788-0019
    - 2238 Fisher James E @ 788-1833
    - 2218 Skalkicky Alf J @ 788-0079
    - 2221 Zaccardi Ethel M Mrs @ 788-3828
    - 2227 Sisk Le Roy A @ 788-4201
  - UPLAND CREST INTERSECTS
    - 2347 Schneidergar @ 788-3864
    - 2348 Strand Gordon W @ 788-1831
- 123
123
- FAIRWAY LA 6<sup>th</sup> LOST PARK—FROM 16<sup>th</sup> NORTH 1 WEST OF FLAG AV
    - ZIP CODE 55426

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**THE COMING NAME  
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(SEE PAGE 15 BUYERS' GUIDE)

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**FARMINGTON RD (MV)--CONTD**

3727 MERRILL FOSTER S • 938-6874  
3733 NORRIS RICH D • 935-5461  
3734 JOHNSON EDWIN M • 938-8002  
3745 HOFF GEO A • 938-1696

**FAVORITE LA (MINNETONKA VILLAGE)--FROM SUMMIT LA SOUTH**

---ZIP CODE 55343  
13827 LARSON GORDON J • 938-8760  
13833 ZESBAUGH JOHN H JR • 938-2046

**FELT RD (MINNETONKA VILLAGE)--FROM SHADY OAK RD NORTHEAST**

---ZIP CODE 55343  
5625 RELL ROBER J • 935-5737  
5628 DVORAK FRANK H • 938-8080  
5636 DVORAK RALPH • 938-1165  
5638 DVORAK MARGT • 938-5843  
5708 ROUSH DELANO • 935-7934  
5717 DVORAK ELWOOD G • 938-7865

**FERN DR (RICHFIELD)--FROM BLOOMINGTON AV SOUTHEAST 1 SOUTH OF E 70TH**

---ZIP CODE 55423  
1521 BARNES JERRY D • 869-1508  
1524 WILHELMSEN HANS J • 869-2038  
1525 WEISS JACK • 869-3006  
1528 WALTZ RICH D • 869-1666  
1529 VACANT  
1535 CASPERS JOSEPH L • 869-4438  
1538 BRINKMAN EARL H • 869-3058  
1539 JONES SAML G • 869-1292  
1544 CHRISTENSEN OWEN E • 869-6087  
1545 LARSEN NORMAN W • 869-5379

**FERNBROOK LA (PLYMOUTH VILLAGE)--FROM 16TH AV N NORTH 1 WEST OF HWY 494**

---ZIP CODE 55427  
1615 LOECKEN GERALD A • 473-3859  
1705 BERGREN ANNA MRS • 473-6760  
1940 RYAN CORNELIUS • 545-7573  
2060 STOFFELS VERONICA • 544-7658  
2160 HERMANN ROBT K • 545-5430  
2520 REEDY ALLEN J • 544-7487  
2525 ERIKSON AXEL • 545-7424  
2005 VACANT  
2023 BASS JAMES  
2035 COLEMAN JOHN F • 545-6369  
REITZ RAYMOND C • 544-6561  
2645 SAINT MARTIN ROGER A • 545-1341  
2705 BERTHIAUME EUG L • 545-7405  
2715 MOEN MARK A • 545-1044  
2720 WAGNER CONSTN CD • 544-7747  
2725 MC QUILLAN PATK P • 545-6344  
2730 PAUL'S WOODCRAFT CD MILLWORK • 545-0216  
2805 ANDERSON KENNETH B • 545-0813  
2825 HERWIG MARVIN K • 545-1898  
---HWY 55 INTERSECTS

3135 ECKES PHILIP J • 545-6384  
3225 LA VIGNE JAMES C • 545-1536  
3235 HERWIG WALTER • 545-5972  
3315 JOHNSON MANFORD J • 545-6383  
3330 LESSARD WALLACE E REAL EST APPR • 545-2122  
3430 TURNER LOWELL R • 545-1995  
3435 SCHULTE MICHL E • 544-2231  
3440 JOHNSTON JEAN MRS • 545-2475  
3450 SORENSEN PAUL J • 545-2611  
3535 SCHULTE EDW D • 545-3160  
3540 ANDERSON JAMES E • 544-6390  
3550 MUNSON DONALD C CEMENT CONTR • 544-5314  
3640 KRASKEY SAH • 545-7319  
3800 BECK VIRGIL V • 544-1780  
3810 SCHMIDT GERALD L • 544-4018  
3816 ZBKOWSKI THEO H • 544-3207  
3820 NELSON AXEL W • 545-6021  
3905 FRANKLIN LOREN V • 544-6446  
3911 VACANT  
3920 REESE DEANE A • 545-2976  
3940 TURNER WALLACE A • 545-4369  
3950 HARTH MERLE D • 544-3980  
4000 GILLETTE MARGT MRS • 544-7422

---COUNTY RD 9 INTERSECTS  
4115 HESSE JEROME N • 545-0304  
4125 BILL NORMAN A • 544-2063  
4150 SCHLOSSER RAY E • 544-4554  
4235 OLSON ARNOLD C • 545-3291  
4265 BEYER ELMER P • 545-7476  
4200 BEGIN LILLIAN MRS • 545-9563  
4315 SCHMIDT MELVIN A • 545-7412  
4625 CHARLY'S PONY EXPRESS AMUSEMENT DEVICES • 545-6000  
4640 KITTLESON NEWELL H PNTR & DEC CONTR • 545-7723

**FERNDALE AV NE (FRIDLEY)--FROM NE HILLCREST DR EAST 1 WEST OF STINSON BLVD**

---ZIP CODE 55421  
1504 GAUPP OTTO A • 788-0454  
1505 NAGOVSKY LOWELL J • 788-8584  
1508 BROWN LYNDIA R MRS • 788-8384  
1511 PEEBLES JOHN E • 788-1529  
1521 LARSON WAYNE K • 788-3516  
1522 VASECKA JAMES • 788-2602  
1540 REDDEN EDW A • 788-1476  
1541 KEMPF ALDOVSIUS J • 788-8460  
1560 EBY MAURICE G • 788-4382  
1561 ZRUST FRANK D • 788-3745  
1568 SCHNEIDER RICH D • 788-2768

**FERNDALE RD (PLYMOUTH VILLAGE)--FROM RIDGEMOUNT AV W NORTH**

---ZIP CODE 55427  
7 ELWELL LAURANCE R JR • 473-7743  
NIELSEN NORMAN L • 473-5266  
PEDERSEN PAUL E • 473-4012

**FERRIS LA (MINNETONKA VILLAGE)--FROM EDEN PRAIRIE RD EAST**

---ZIP CODE 55343  
14233 ERIKSON DANLEY • 938-4376  
14400 FERRIS JOHN D REV • 935-2791  
14401 WOMBACKER JOHN • 938-1200  
14409 JACOBS HUBERT • 935-7423  
14414 GALLIS WOLDEMARS • 938-9692  
14417 TANK PERRY • 935-2359

**FETTERLY RD W (MINNETONKA VILLAGE)--FROM COUNTY RD 73 WEST 1 SOUTH OF HILLSIDE LA WEST**

---ZIP CODE 55343  
11413 MANNING D J • 545-6589  
11512 CRIDER LLOYD A • 545-0981  
11513 MITCHELL JAMES • 545-8008  
11612 HOSTETLER WINIFRED A MRS • 11700 VACANT

**FIELD DR (GOLDEN VALLEY)--FROM HANLEY RD WEST AND SOUTH 1 EAST OF BROOKVIEW COUNTRY CLUB**

---ZIP CODE 55426  
420 RAVENSCRAFT PHILOTHEA MRS • 545-3668  
505 QUISBERG SHERMAN F • 545-8773  
615 SHIRLEY ROBT W • 545-9521  
675 SUBURBAN MAINTENANCE CD CLN CONTRS • 545-0293  
KAISER JAMES F • 545-3200

**FILLMORE ST NE (COLUMBIA HEIGHTS)--FROM 45TH AV NE NORTH AND WEST 4 EAST OF CENTRAL**

---ZIP CODE 55421  
4500 YOUNG LANE G  
4508 WHALEY DEAN C  
4509 BLOOM KENNETH L  
JERGENSEN ALAN • 788-7139  
4514 LEININGER WM T • 788-1239  
4515 LATVALA DONALD • 788-4183  
4516 WACHULDA JOHN • 788-8834  
4517 LONKEY DALE V • 788-4172  
4518 GOLDEN PAUL • 788-2812  
4520 BLEVINS DOROTHY MRS • 788-1361  
4524 HENDSON JIM A • 788-6046  
4526 JOHNSON DAVID L  
4531 PETERSON JOHN C  
PETERSON ROGER E • 788-7405  
4532 CARLSON ANNA M MRS • 788-4365  
FREEMAN DUANE • 788-4365  
4534 HICKS CHARLES W • 788-0257  
4539 SASS RICH D • 788-2642  
WESTAD BRUCE • 788-1781  
4544 VATHAUER NORMAN E • 788-4973  
CONDOS JERRY P • 788-7262  
4545 ANDERSON ROBT L • 788-7655  
4547 REA MILTON C • 788-7378  
4550 DAVIS CLAIRE D • 788-3758

**FILLMORE ST NE (FRIDLEY)--FROM PEARSON WAY NORTHWEST 1 WEST OF EAST RIVER RD**

---ZIP CODE 55432  
7830 WILEY EDW L • 784-6528  
7933 JOHNSON NORMAN E • 7837  
7837 LEGUN LA WAYNE MRS • 784-8563  
7938 STEWART RAYMOND L • 784-4234  
7843 KEARNS JAMES • 784-5489  
7844 MORREIN VERNON S • 786-3193  
7847 JAMES DAROLD L • 786-1740  
7851 BERNARD DONALD C • 786-5297  
7852 BERG ROBT H • 784-342  
7855 WANDER NICHOLAS G • 786-4313  
7857 BABCOCK Lyla J • 784-1274  
7858 HYATT NEIL W • 784-6553  
7861 GOEDEL MARVIN • 786-4429  
7865 ARNOLD VICTOR C • 786-4093  
7866 KALLMER DAVID J • 784-8343  
7869 ENBERG GARY D • 784-7174  
7871 TATRO CLARENCE W • 784-4192  
7872 ACKLEY RANDALL C • 784-9461  
7875 COUCH GEO L • 784-8257  
7879 THORSTENSEN PAUL E • 786-5635

4619 BAUER ED E • 788-0514  
BRISBOLIS EUG P • 788-8910  
4624 BRAATEN CURTIS • 788-4234  
4625 MEYER EUG F • 788-4675  
BRACKENBURG WM C • 788-0336  
4630 SCHAAF FRED • 788-7560  
4631 KAPPEL STANLEY • 781-7835  
4636 HARRICK JOHN S • 788-8232  
4637 BAILEY JOHN • 788-4041  
4642 GORDIER KENNETH L • 788-6805  
4653 MARPE WAYNE R • 788-0100  
4643 DDLE JOAN • 788-6547  
4648 DE COURSEY WM L • 788-0407  
4649 THOMASON CLIFFORD E • 788-1671  
VACANT  
4654 GADBAW LAWRENCE W • 788-7980  
TUNSKY RODNEY F • 788-3771  
VACANT

**49TH AV INTERSECTS**

4905 SPRANG WENDELL G • 788-2530  
4910 HART ROBT W • 788-7324  
4915 HEDMAN E LLOYD • 788-2080  
4925 HOLLAND RAYMOND F • 788-0418  
4945 CASKEY CARL REV • 788-1969  
4950 LEININGER LARRY • 788-5420  
4960 PUKITE JANIS • 788-8705  
5015 YURISTA STEVE • 788-1821  
5020 HILL CHARLES D • 788-2829

**FILLMORE ST NE (FRIDLEY)--FROM S 30 NORTH & EAST OF CENTRAL AV**

---ZIP CODE 55421  
5200 BOE PHILIP W • 788-1979  
5211 WHITE DOUGLAS W • 788-8763  
5221 NELSON HAROLD C • 788-0066  
5222 ARMENTROUT NORRIS L • 788-2283  
5231 CHRISTENSEN DONALD A • 788-6114  
5234 MOLINARD PETER S • 788-6114  
5245 SCHENK HARVY • 788-3667  
5251 WEBSTER M HOWARD • 788-7092  
5258 PARIZEK RONALD G • 788-4633  
5261 BUNGERT JOSEPH M • 788-5306  
5271 SMITH ALLAN J • 788-2274  
5298 O'BANNON MIKE E • 788-3438  
---630 AV NE INTERSECTS  
5352 OTT GEO K • 788-1173  
5353 BERG EDMUND L • 788-2250  
5355 O'CONNOR DAVID P • 788-6673  
---SKYWOOD LA INTERSECTS  
5512 LIDBERG THOS R • 788-8890

**FILLMORE ST NE (SPRING LAKE PARK)--FROM 61ST AV NE AND STATE HWY 65 NORTH 3 NORTH OF OSBORNE RD**

---ZIP CODE 55432  
---830 AV NE INTERSECTS  
8334 ESCH FRED • 784-8285  
8350 ERICKSON WAYNE W • 784-0335  
8354 KUTSCHEID LESLIE E • 784-2693  
8365 COOPER KENNETH E • 784-7590  
8376 SMITH LOWELL T • 784-0978

**FIR ST NE (FRIDLEY)--CHANGED TO NE FIR ST**

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**FIRSIDE DR NE (FRIDLEY)--FROM HWY 65 EAST 2 NORTH OF 73D AV**

---ZIP CODE 55432  
---CENTRAL AV INTERSECTS  
1307 LARSON VERNON R • 784-5831  
---HYES ST INTERSECTS  
1400 FLOWERS ELMER H • 786-1794  
1420 SOLI ROBT F • 784-6611  
---STONSON BLVD INTERSECTS

**FIRWOOD WAY NE (FRIDLEY)--FROM PEARSON WAY NORTHWEST 1 WEST OF EAST RIVER RD**

---ZIP CODE 55432  
7830 WILEY EDW L • 784-6528  
7933 JOHNSON NORMAN E • 7837  
7837 LEGUN LA WAYNE MRS • 784-8563  
7938 STEWART RAYMOND L • 784-4234  
7843 KEARNS JAMES • 784-5489  
7844 MORREIN VERNON S • 786-3193  
7847 JAMES DAROLD L • 786-1740  
7851 BERNARD DONALD C • 786-5297  
7852 BERG ROBT H • 784-342  
7855 WANDER NICHOLAS G • 786-4313  
7857 BABCOCK Lyla J • 784-1274  
7858 HYATT NEIL W • 784-6553  
7861 GOEDEL MARVIN • 786-4429  
7865 ARNOLD VICTOR C • 786-4093  
7866 KALLMER DAVID J • 784-8343  
7869 ENBERG GARY D • 784-7174  
7871 TATRO CLARENCE W • 784-4192  
7872 ACKLEY RANDALL C • 784-9461  
7875 COUCH GEO L • 784-8257  
7879 THORSTENSEN PAUL E • 786-5635

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333-1281

Cameron Transfer & Storage Co.  
Allied Van Line agents  
333-5501

Park's Express Co.  
Trucking, Heavy Hauling  
338-7673

**Who's Who and Where?**

Such questions can only be answered by the Directory and that is where people look when they want to buy.

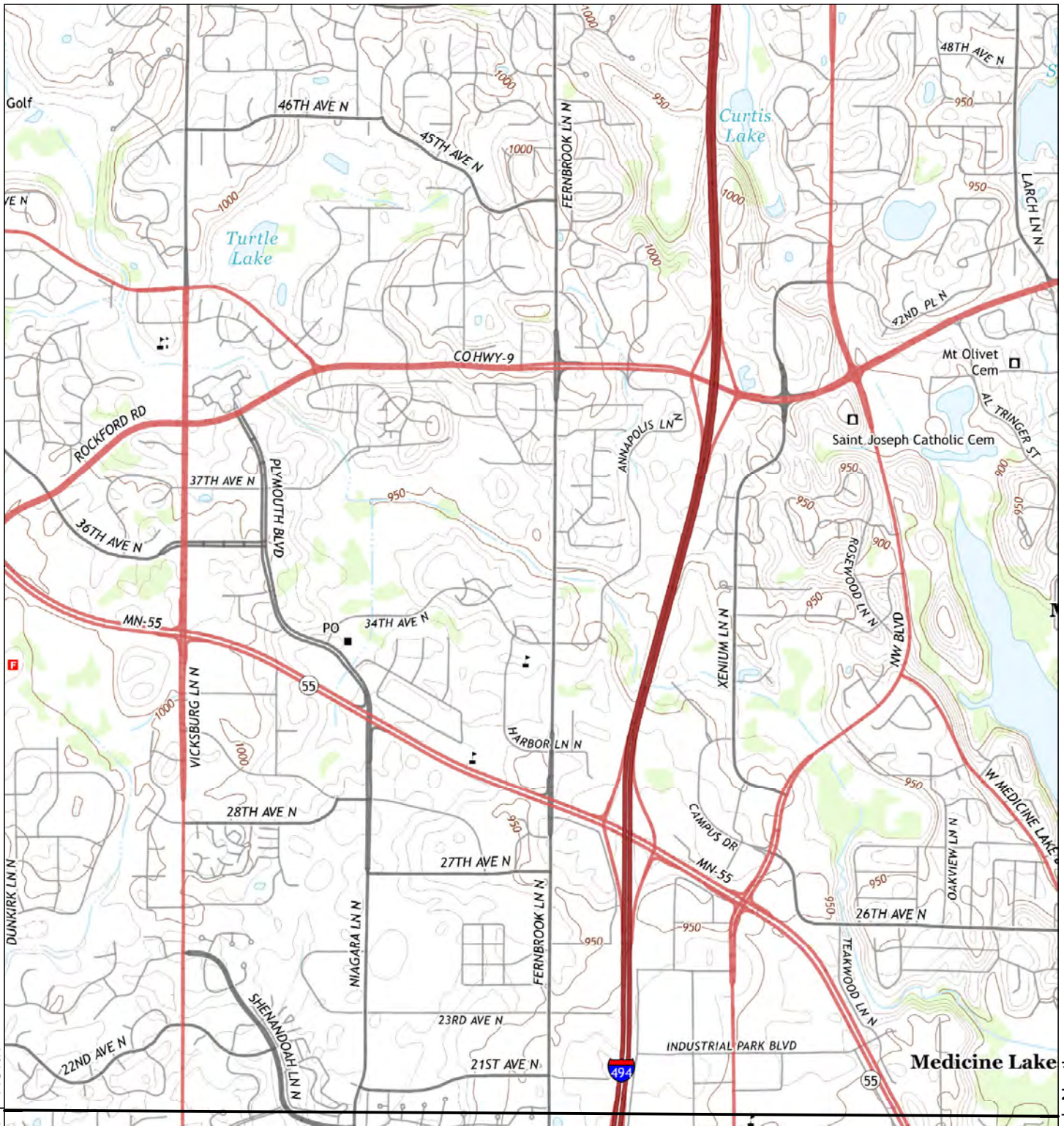
Are you properly displayed therein to get the business?

**M. R. WATERS & SONS, Inc.**  
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1140 Baker Bldg. Tel. 333-3588



## Topographic Maps

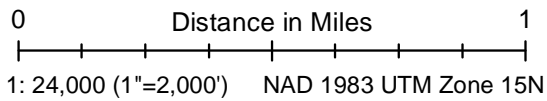




45° 0' N  
South North

South North  
45° 0' N

2013



Site information:  
Plymouth Creek Feaibility  
Plymouth, MN 55447

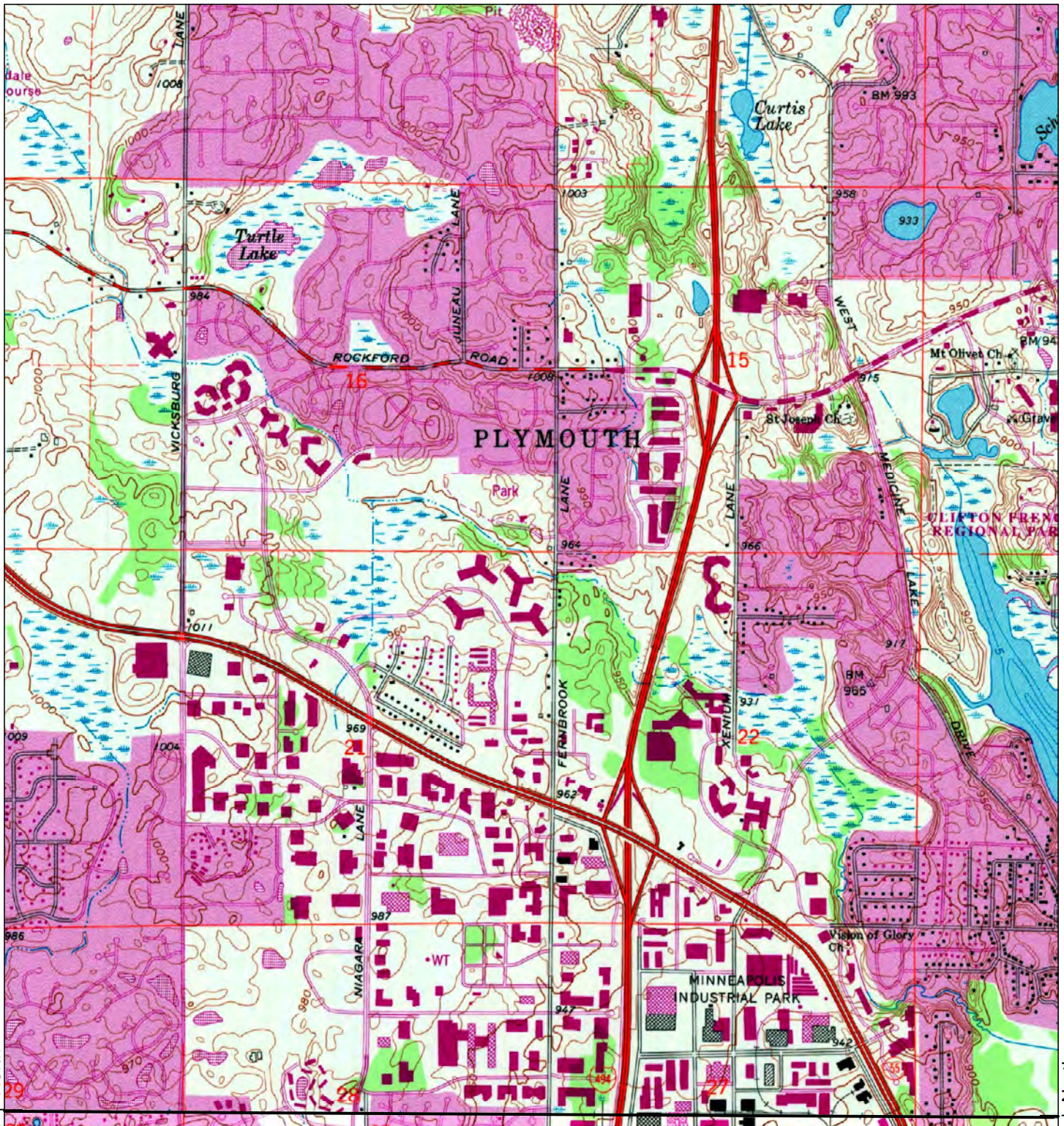


Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Barr Engineering project #23270051.36  
HIG #1521115 completed: 09/14/2015

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates		
					Photo Year	Inspected	Revised
North	Osseo, MN	USGS	7½' x 7½'	2013	--	--	--
South	Hopkins, MN	USGS	7½' x 7½'	2013	--	--	--

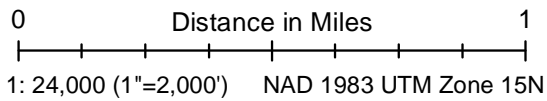




45°0'N  
North  
South

North  
South  
45°0'N

1993



Site information:  
Plymouth Creek Feaibility  
Plymouth, MN 55447

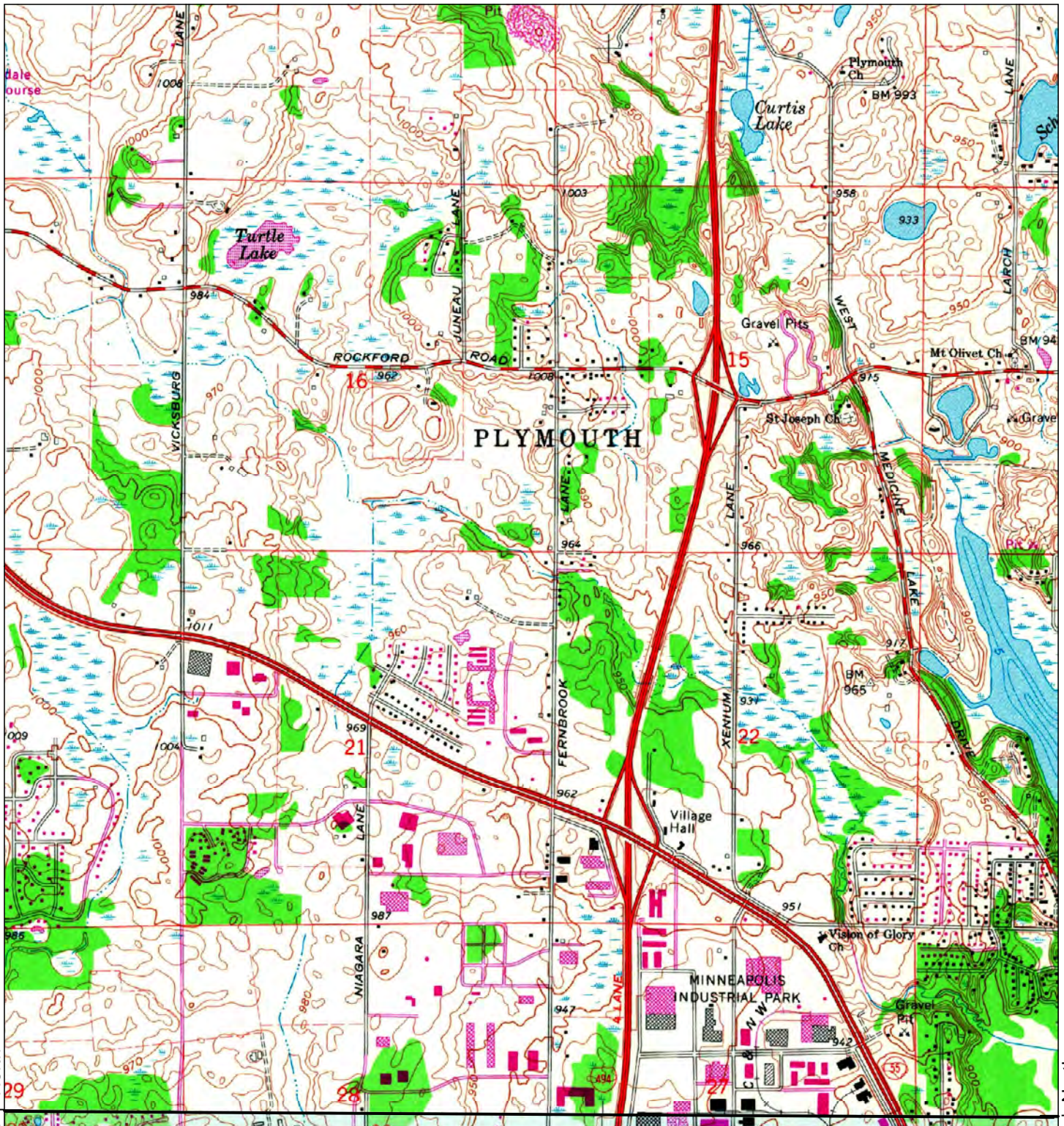


Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Barr Engineering project #23270051.36  
HIG #1521115 completed: 09/14/2015

					Aerial Photo Topo Updates		
Zone	Topographic Map Name	Publisher	Map Size	Base Map	Photo Year	Inspected	Revised
North	Osseo, MN	USGS	7½' x 7½'	1967	1992	--	1993
South	Hopkins, MN	USGS	7½' x 7½'	1967	1992	--	1993





45° 0' N  
South North

South North  
45° 0' N

1980

0 Distance in Miles 1  
1: 24,000 (1"=2,000') NAD 1983 UTM Zone 15N

Site information:  
Plymouth Creek Feaibility  
Plymouth, MN 55447

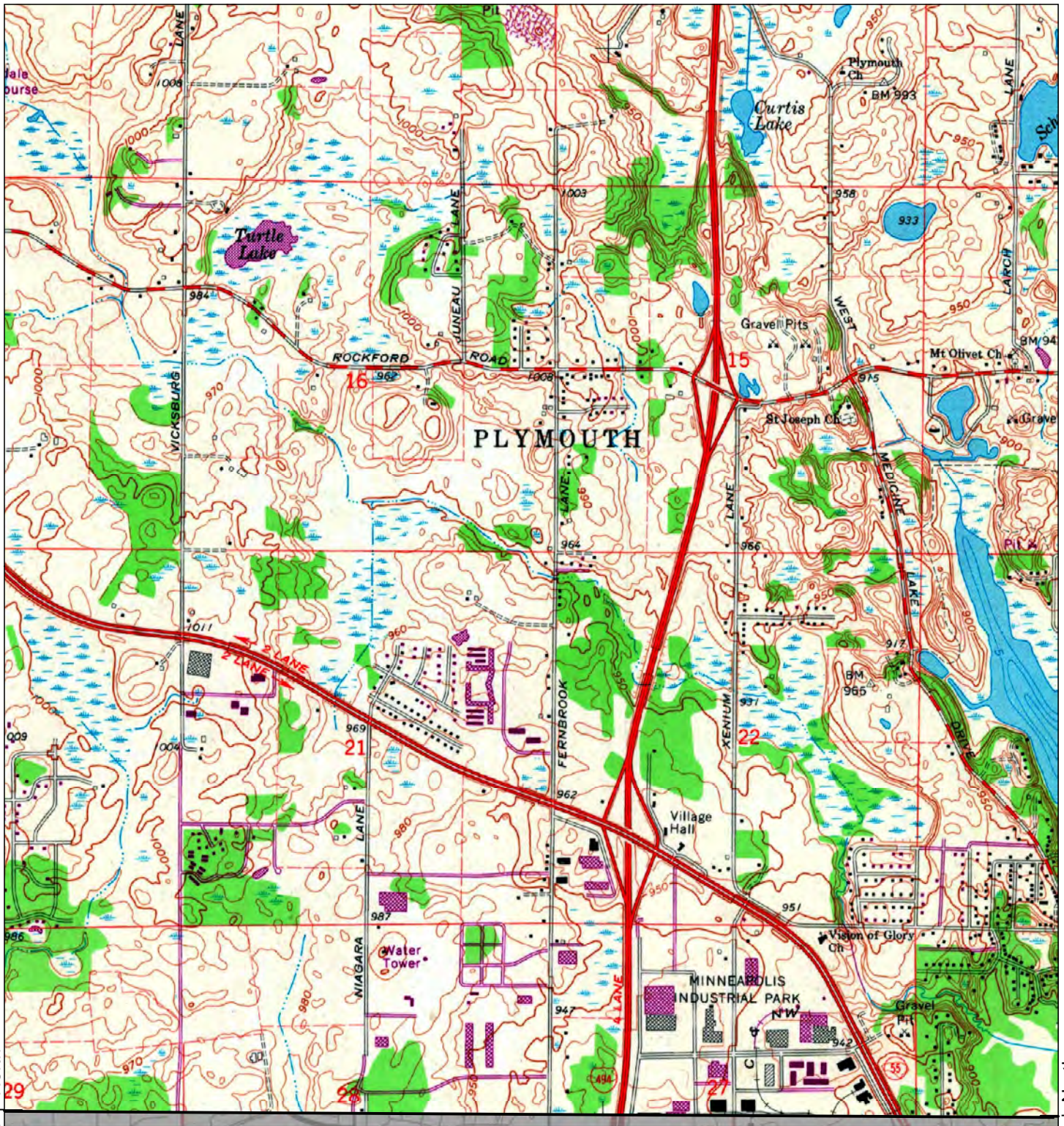


Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Barr Engineering project #23270051.36  
HIG #1521115 completed: 09/14/2015

					Aerial Photo Topo Updates		
Zone	Topographic Map Name	Publisher	Map Size	Base Map	Photo Year	Inspected	Revised
North	Osseo, MN	USGS	7½' x 7½'	1967	1977	--	1980
South	Hopkins, MN	USGS	7½' x 7½'	1967	1977	--	1980



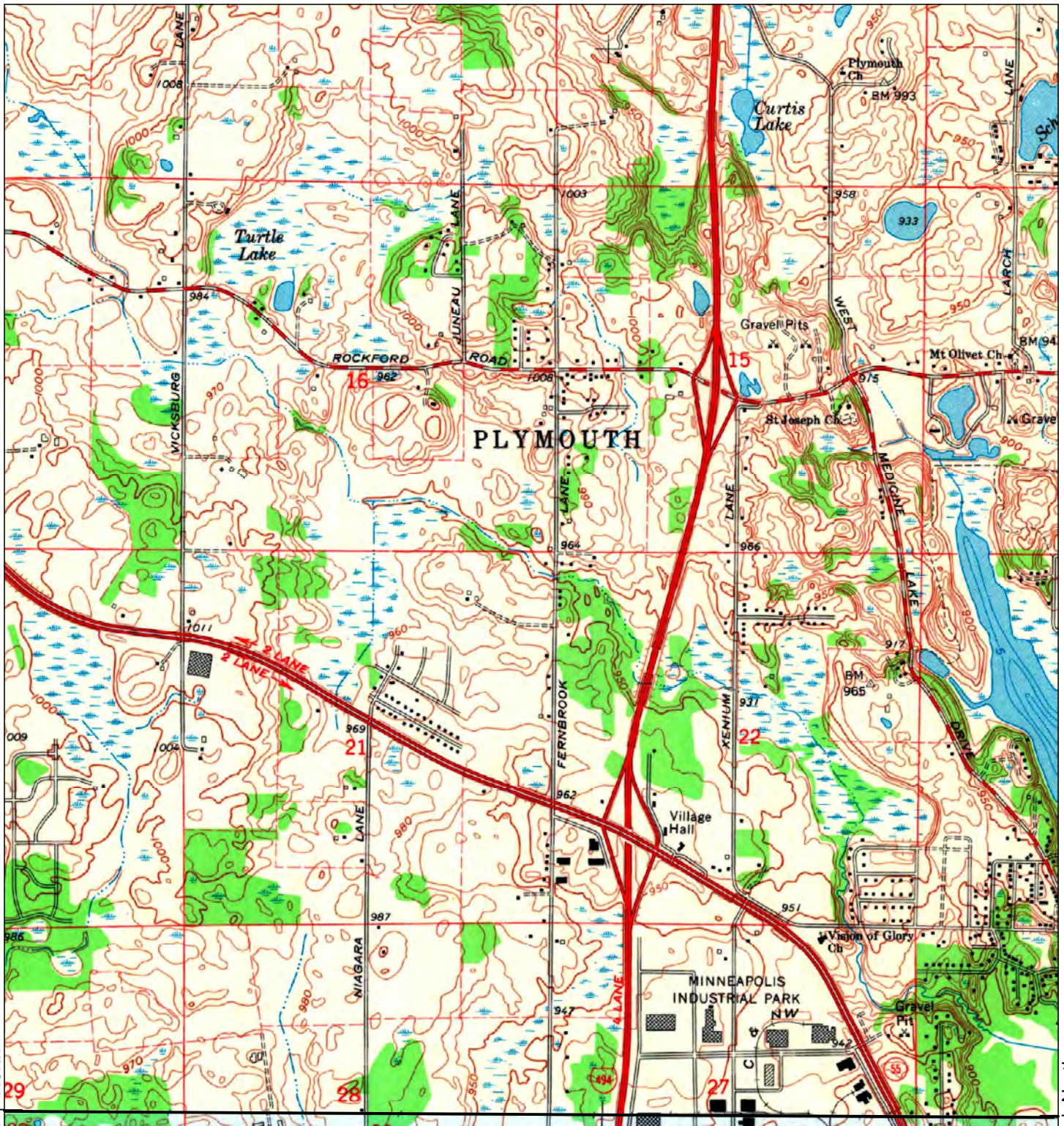


45° 0' N  
South North

South North  
45° 0' N

<h1>1972</h1>	<p>0 Distance in Miles 1</p> <p>1: 24,000 (1"=2,000') NAD 1983 UTM Zone 15N</p>	<p>Site information: Plymouth Creek Feaibility</p> <p>Plymouth, MN 55447</p>			
<p>Unified maps show subdued modern topo features where corresponding maps of the same year were not published.</p>		<p>Barr Engineering project #23270051.36 HIG #1521115 completed: 09/14/2015</p>			
<p>Zone   North</p>	<p>Topographic Map Name   Osseo, MN</p>	<p>Publisher   USGS</p>	<p>Map Size   7½' x 7½'</p> <p>Base Map   1967</p>	<p>Aerial Photo Topo Updates</p> <p>Photo Year   1972</p> <p>Inspected   --</p> <p>Revised   1972</p>	





45° 0' N  
South North

South North  
45° 0' N

1967

0 Distance in Miles 1  
1: 24,000 (1"=2,000') NAD 1983 UTM Zone 15N

Site information:  
Plymouth Creek Feaibility  
Plymouth, MN 55447

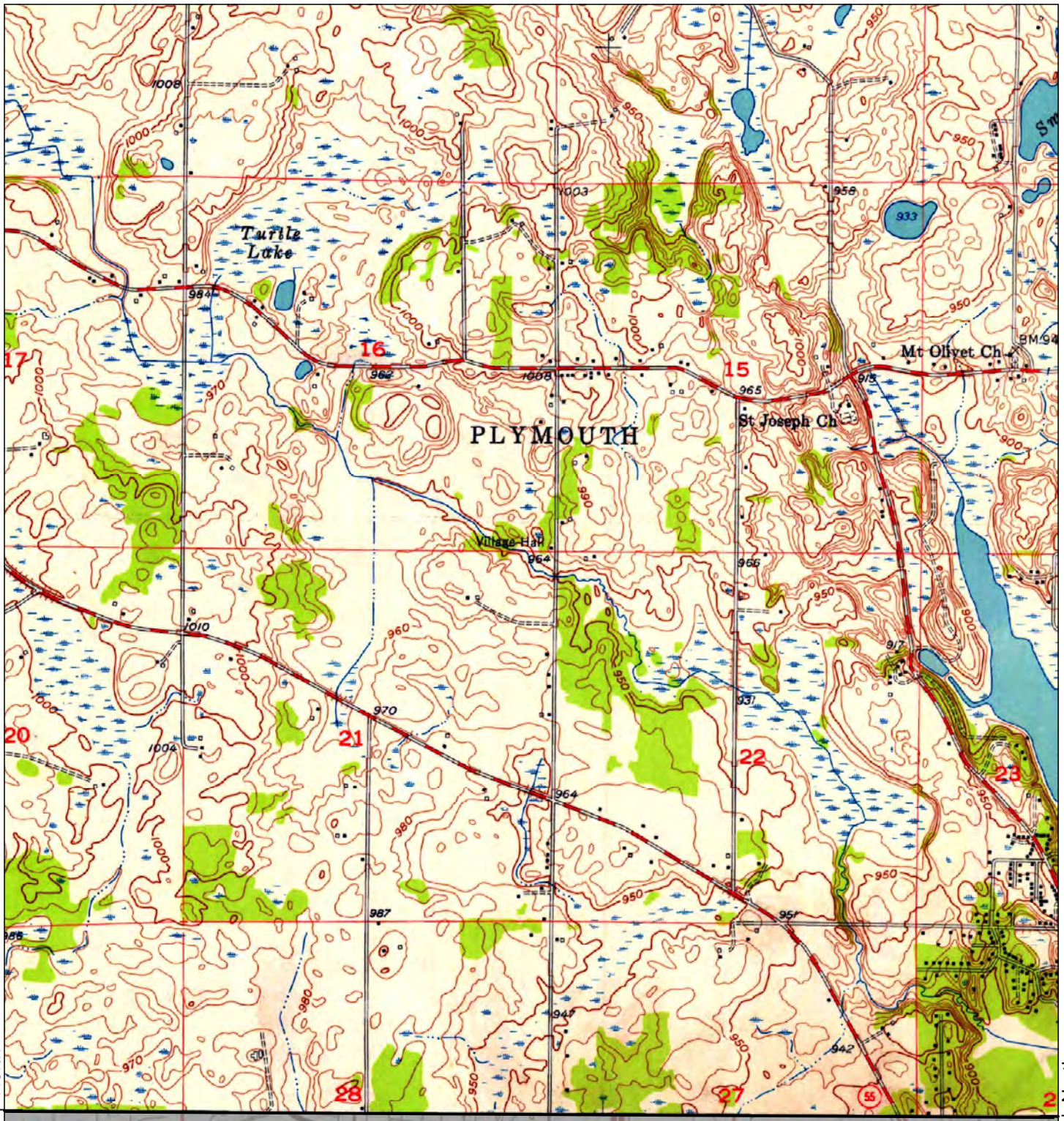


Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Barr Engineering project #23270051.36  
HIG #1521115 completed: 09/14/2015

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates		
					Photo Year	Inspected	Revised
North	Osseo, MN	USGS	7½' x 7½'	1967	1947	--	--
South	Hopkins, MN	USGS	7½' x 7½'	1967	1947	--	--

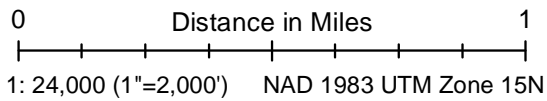




45° 0' N  
South North

South North  
45° 0' N

1955



Site information:  
Plymouth Creek Feaibility  
Plymouth, MN 55447

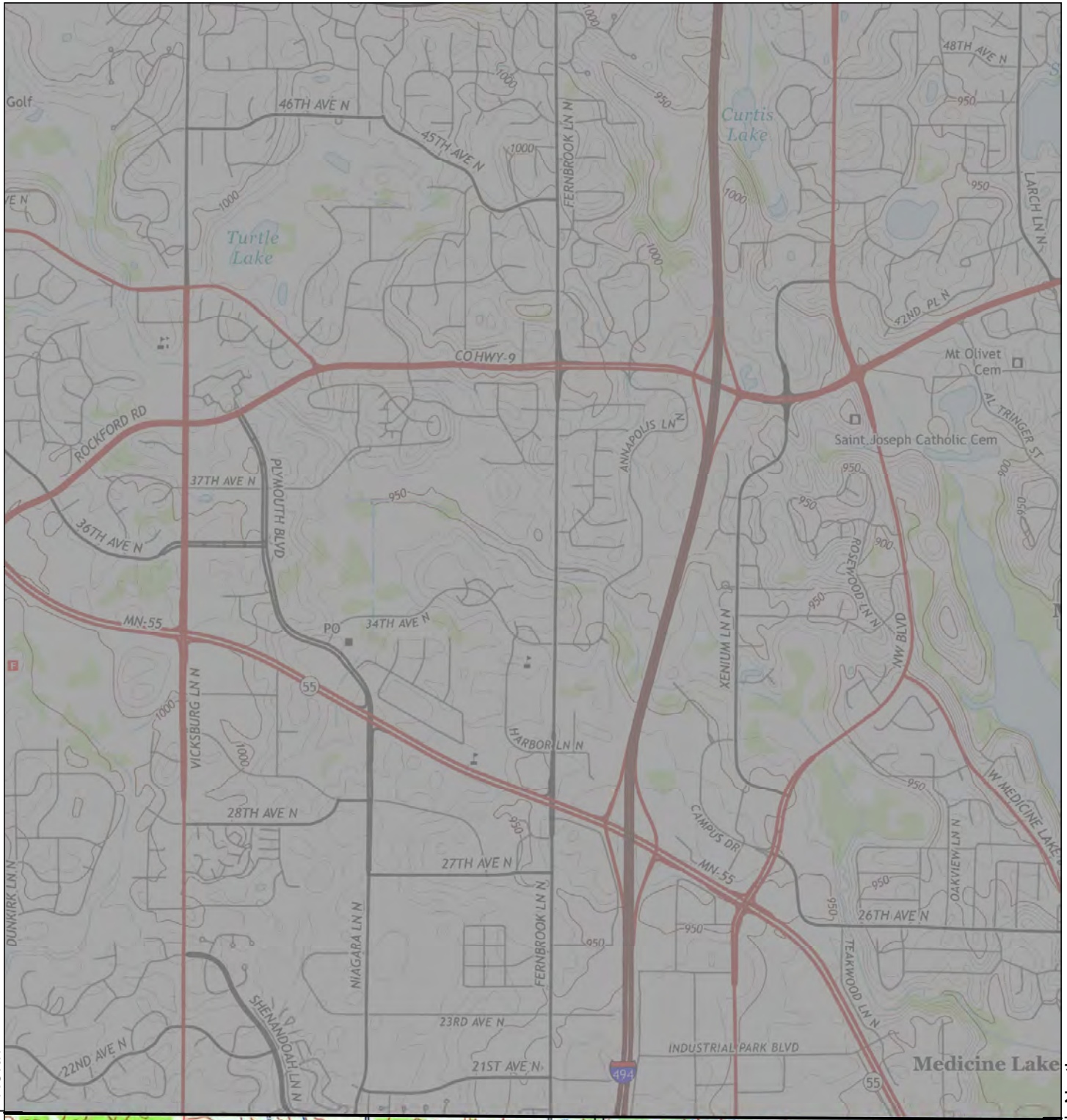


Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Barr Engineering project #23270051.36  
HIG #1521115 completed: 09/14/2015

Zone		Topographic Map Name		Publisher		Map Size		Base Map		Aerial Photo Topo Updates		
North	Osseo, MN			USGS		7½' x 7½'		1955		Photo Year	Inspected	Revised
										1947	--	--

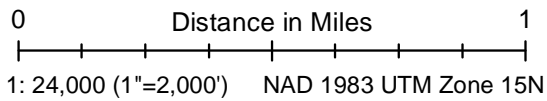




45° 0' N  
South North

South North  
45° 0' N

1954



Site information:  
Plymouth Creek Feaibility  
Plymouth, MN 55447

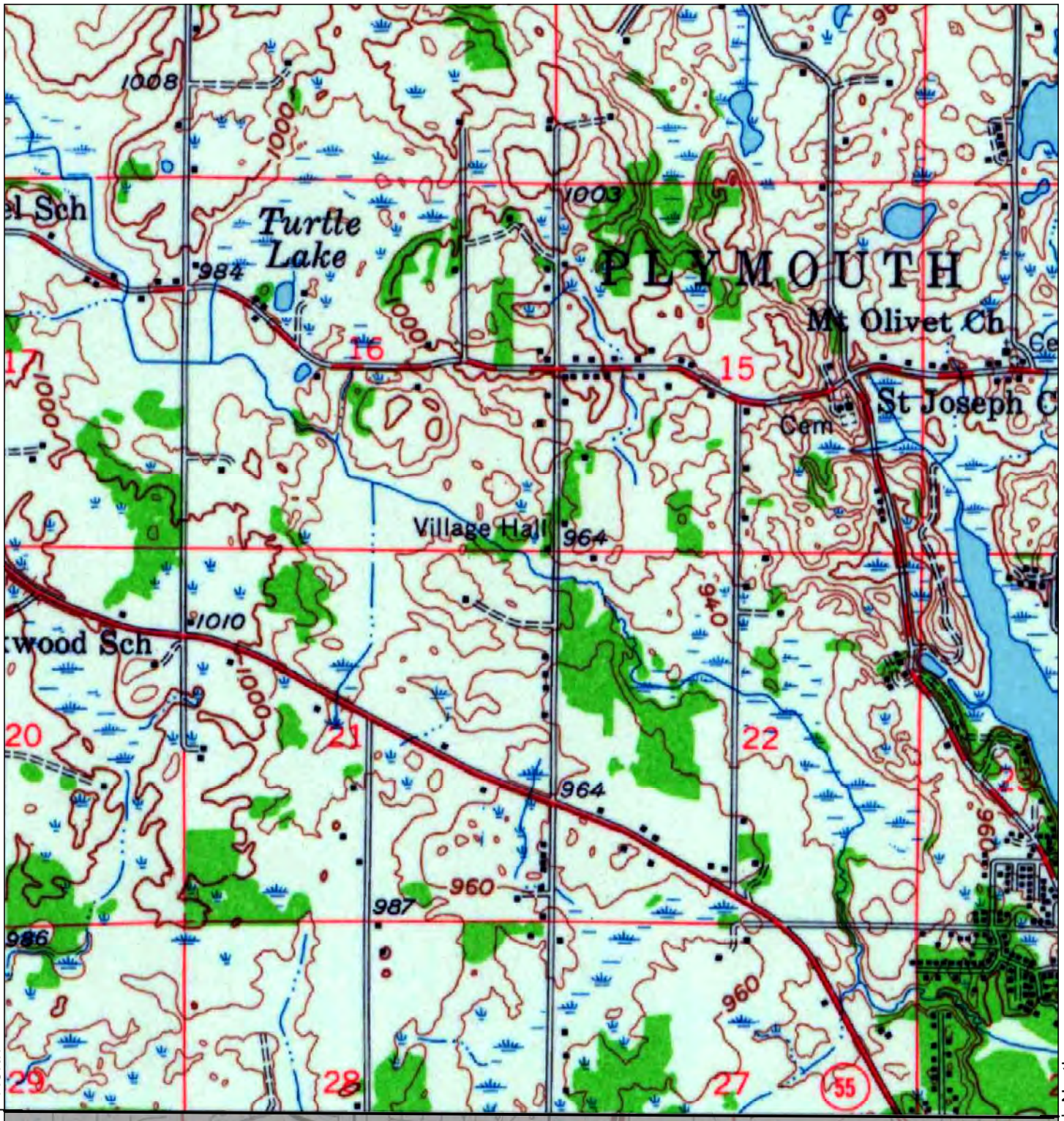


Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Barr Engineering project #23270051.36  
HIG #1521115 completed: 09/14/2015

Zone		Topographic Map Name		Publisher		Map Size		Base Map		Aerial Photo Topo Updates		
Photo Year	Inspected	Revised										
South	Hopkins, MN	USGS	7½' x 7½'	1954	1947	--	--					





45°0'N  
South | North

South | North  
45°0'N

1955

0 Distance in Miles 1  
1: 24,000 (1"=2,000') NAD 1983 UTM Zone 15N

Site information:  
Plymouth Creek Feaibility  
Plymouth, MN 55447

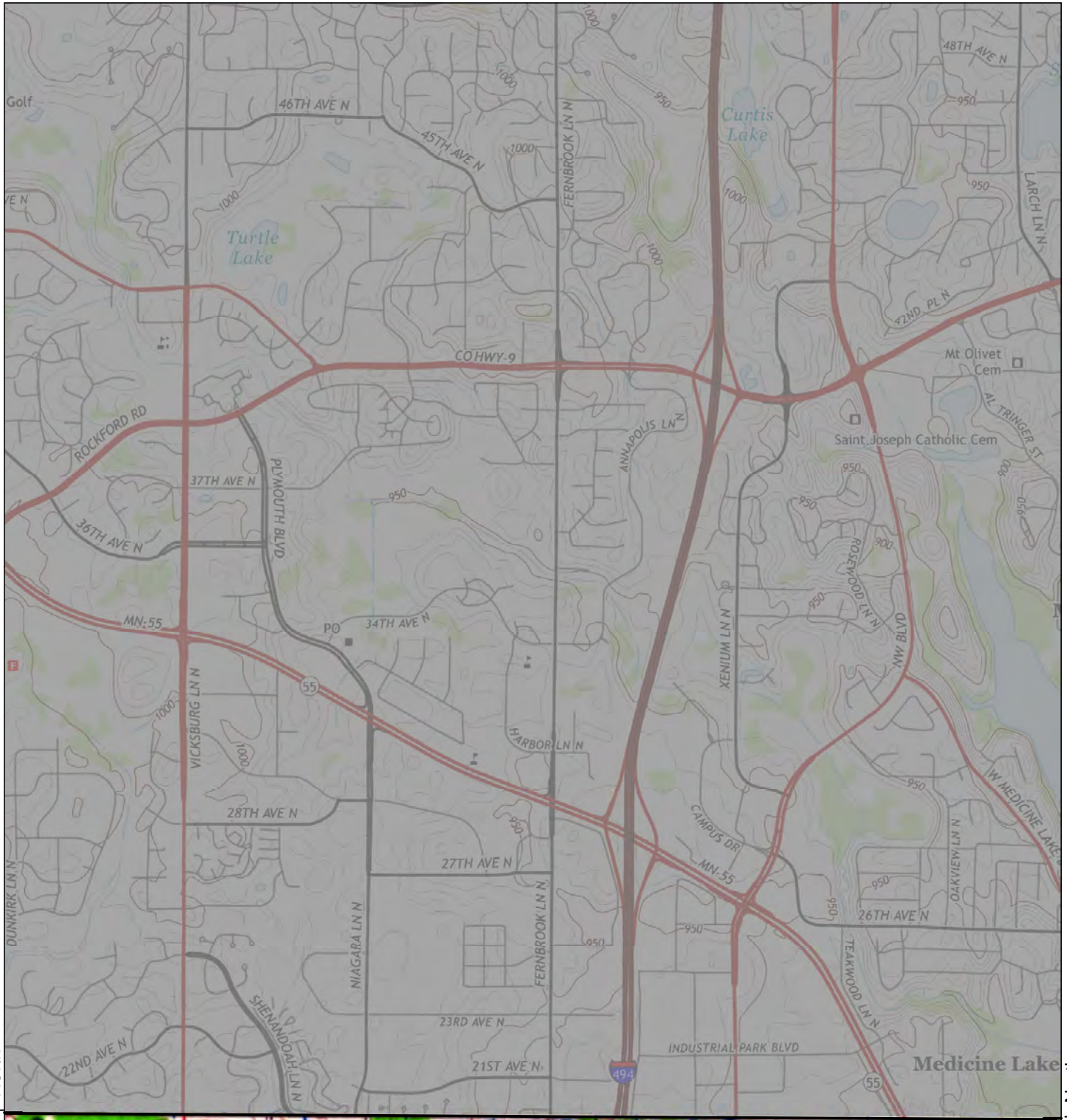


Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Barr Engineering project #23270051.36  
HIG #1521115 completed: 09/14/2015

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates	Photo Year	Inspected	Revised
North	Anoka, MN	USGS	15' x 15'	1955		1947	--	--

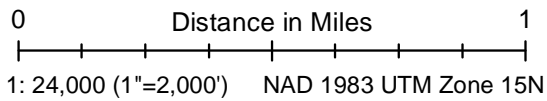




45° 0' N  
South | North

South | North  
45° 0' N

1954



Site information:  
Plymouth Creek Feaibility  
Plymouth, MN 55447

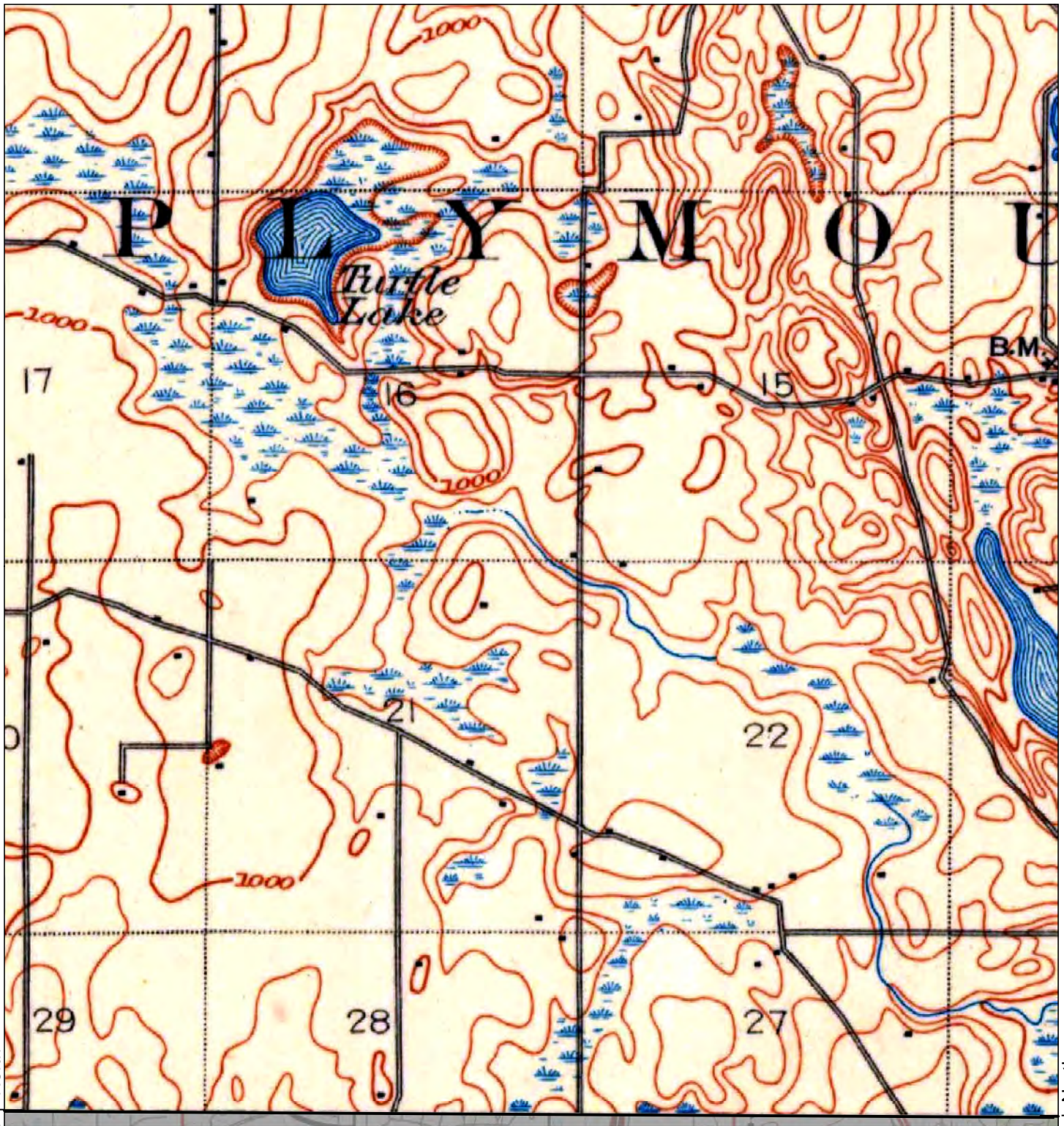


Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Barr Engineering project #23270051.36  
HIG #1521115 completed: 09/14/2015

Zone		Topographic Map Name		Publisher		Map Size		Base Map		Aerial Photo Topo Updates		
Photo Year	Inspected	Revised										
South	Minneapolis, MN	USGS	15' x 15'	1954	1951	--	--					





45°0'N  
South | North

South | North  
45°0'N

1902

0 Distance in Miles 1  
1: 24,000 (1"=2,000') NAD 1983 UTM Zone 15N

Site information:  
Plymouth Creek Feaibility  
Plymouth, MN 55447

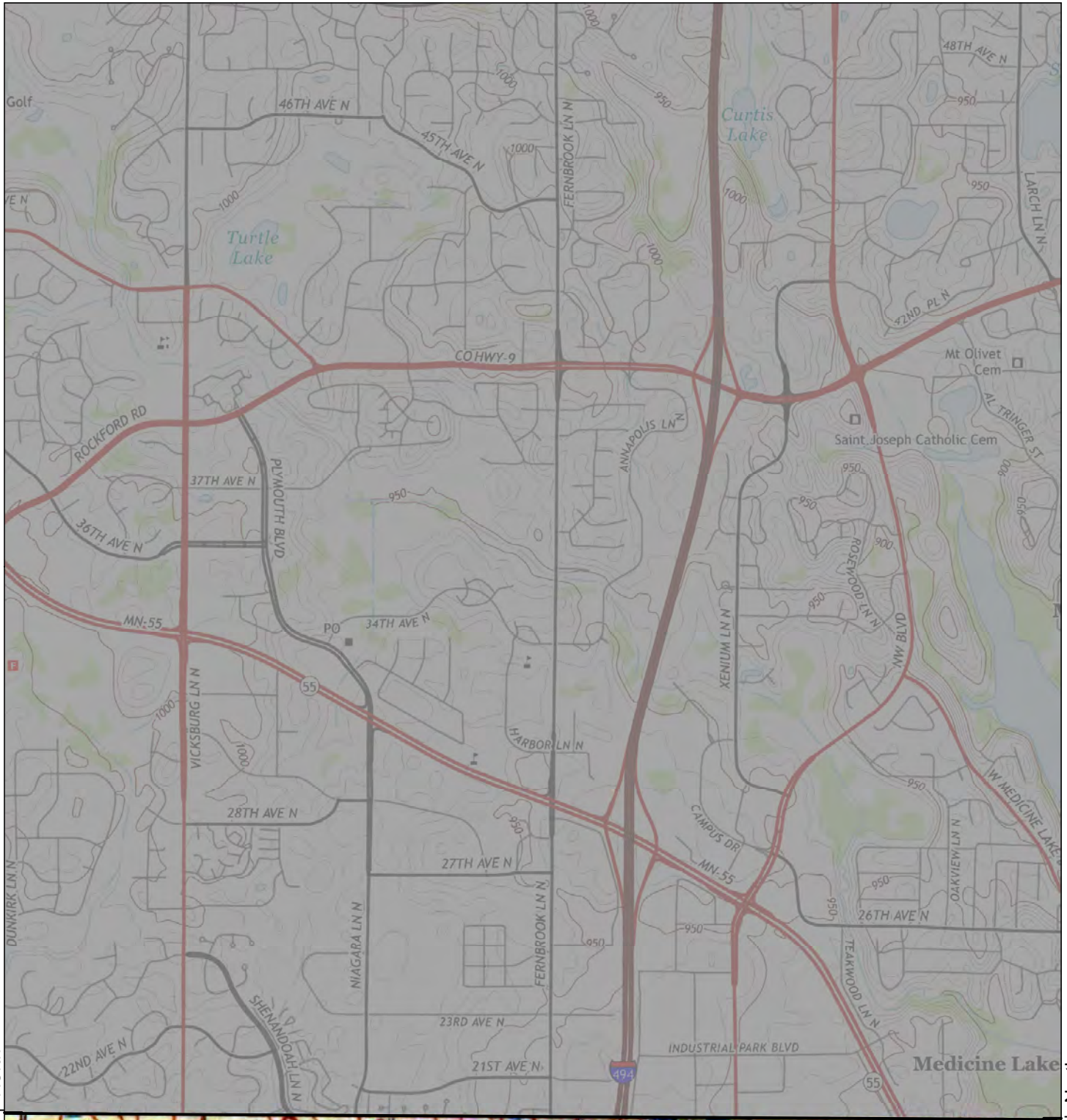


Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Barr Engineering project #23270051.36  
HIG #1521115 completed: 09/14/2015

Zone   Topographic Map Name		Publisher		Map Size   Base Map		Aerial Photo Topo Updates		
North	Anoka, MN	USGS	15' x 15'	1902	Photo Year	Inspected	Revised	
					--	--	--	

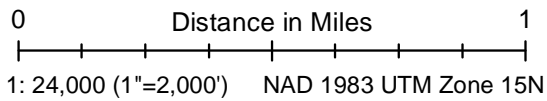




45° 0' N  
South North

South North  
45° 0' N

1901



Site information:  
Plymouth Creek Feaibility  
Plymouth, MN 55447

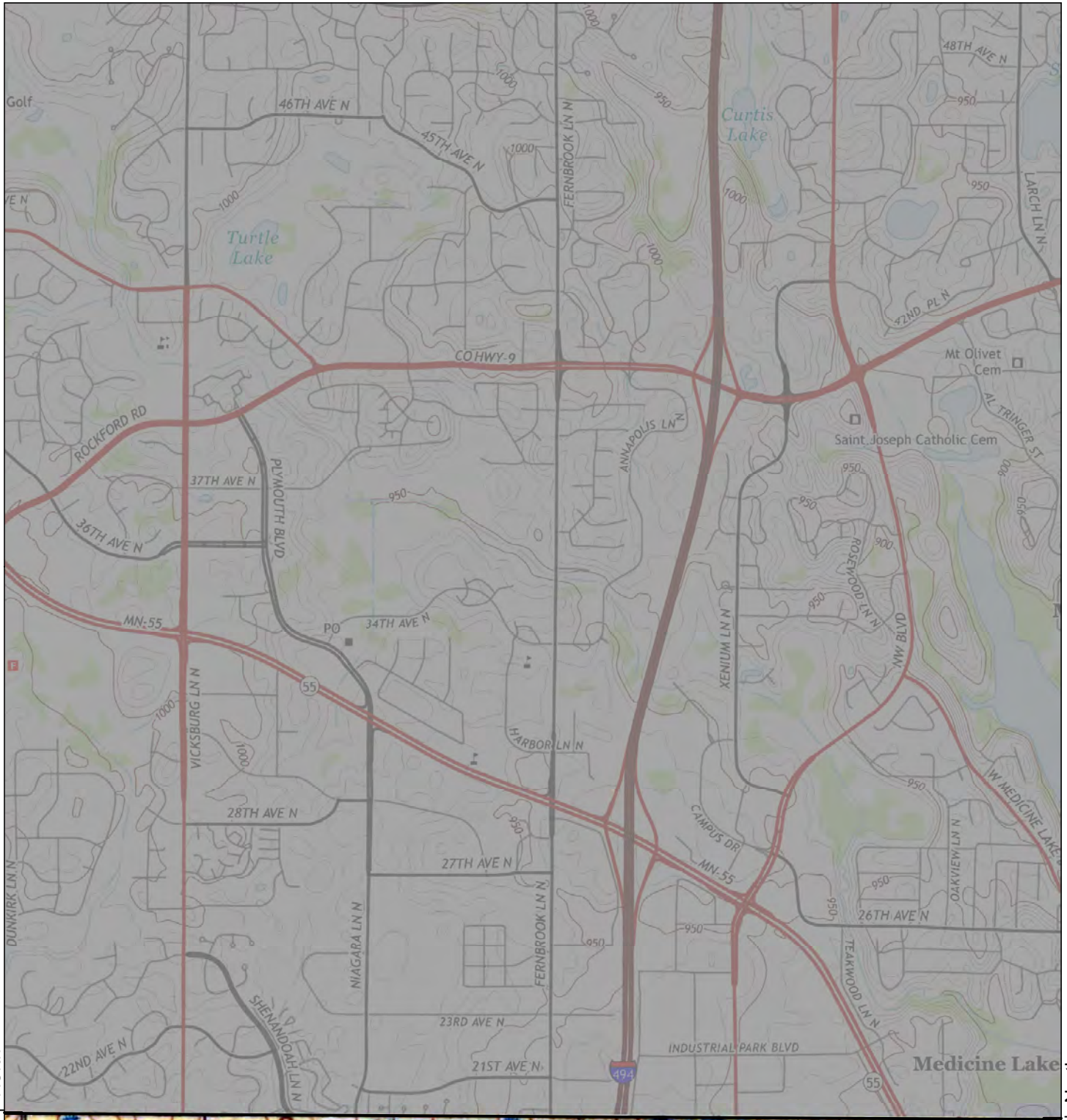


Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Barr Engineering project #23270051.36  
HIG #1521115 completed: 09/14/2015

Zone		Topographic Map Name		Publisher		Map Size		Base Map		Aerial Photo Topo Updates		
Photo Year	Inspected	Revised										
South	Minneapolis, MN	USGS	15' x 15'	1901	--	--	--					

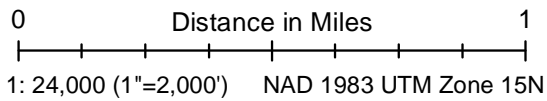




45° 0' N  
South North

South North  
45° 0' N

1896



Site information:  
Plymouth Creek Feaibility  
Plymouth, MN 55447



Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Barr Engineering project #23270051.36  
HIG #1521115 completed: 09/14/2015

Zone		Topographic Map Name		Publisher		Map Size		Base Map		Aerial Photo Topo Updates		
Photo Year	Inspected	Revised										
South	Minneapolis, MN	USGS	15' x 15'	1896	--	--	--					



## Historical Maps



Scale 2 inches to one Mile

MAP OF  
**PLYMOUTH**  
 TOWNSHIP  
 Township 114 North Range 22 West 46-52 P.M.  
 HENNEPIN COUNTY  
 MINNESOTA.

- REFERENCES:  
 Rail Road — School  
 Wagon Road — Church  
 Pipeline — House  
 Creek — Cem.  
 School Districts

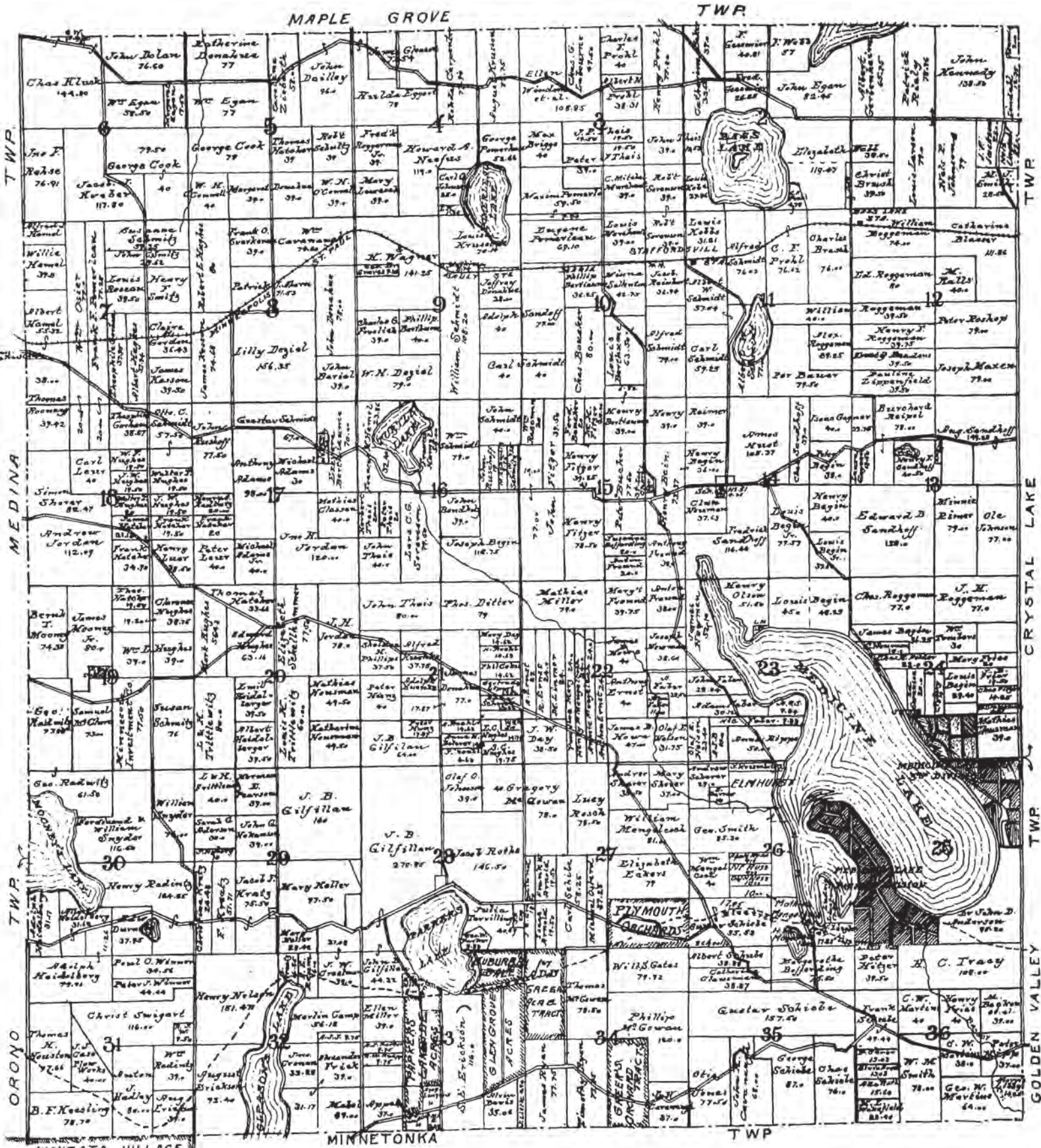




# PLAT OF PLYMOUTH

TOWNSHIP 18 N. RANGE 28 W. 5TH P.M.

Scale

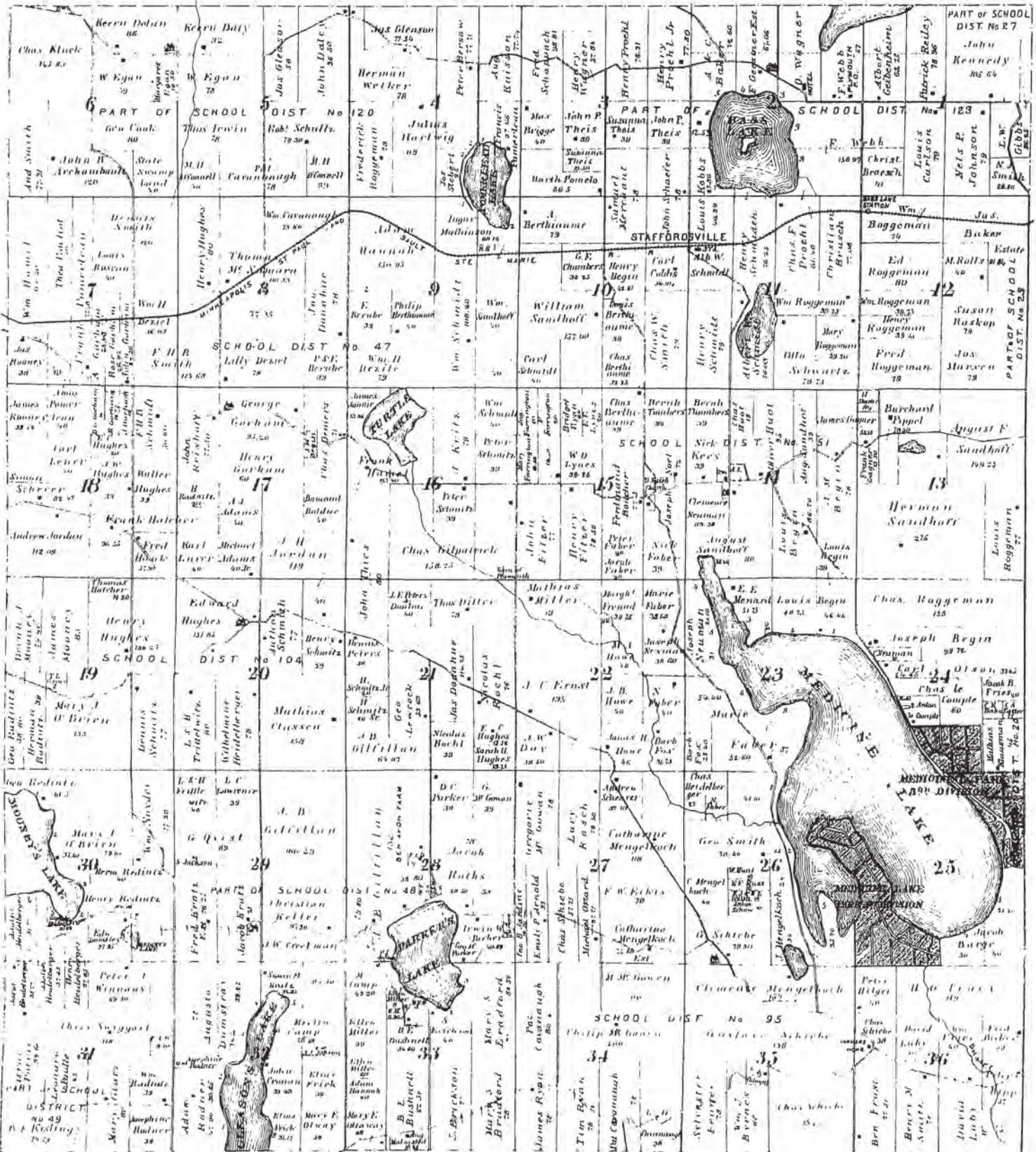




# PLAT OF PLYMOUTH

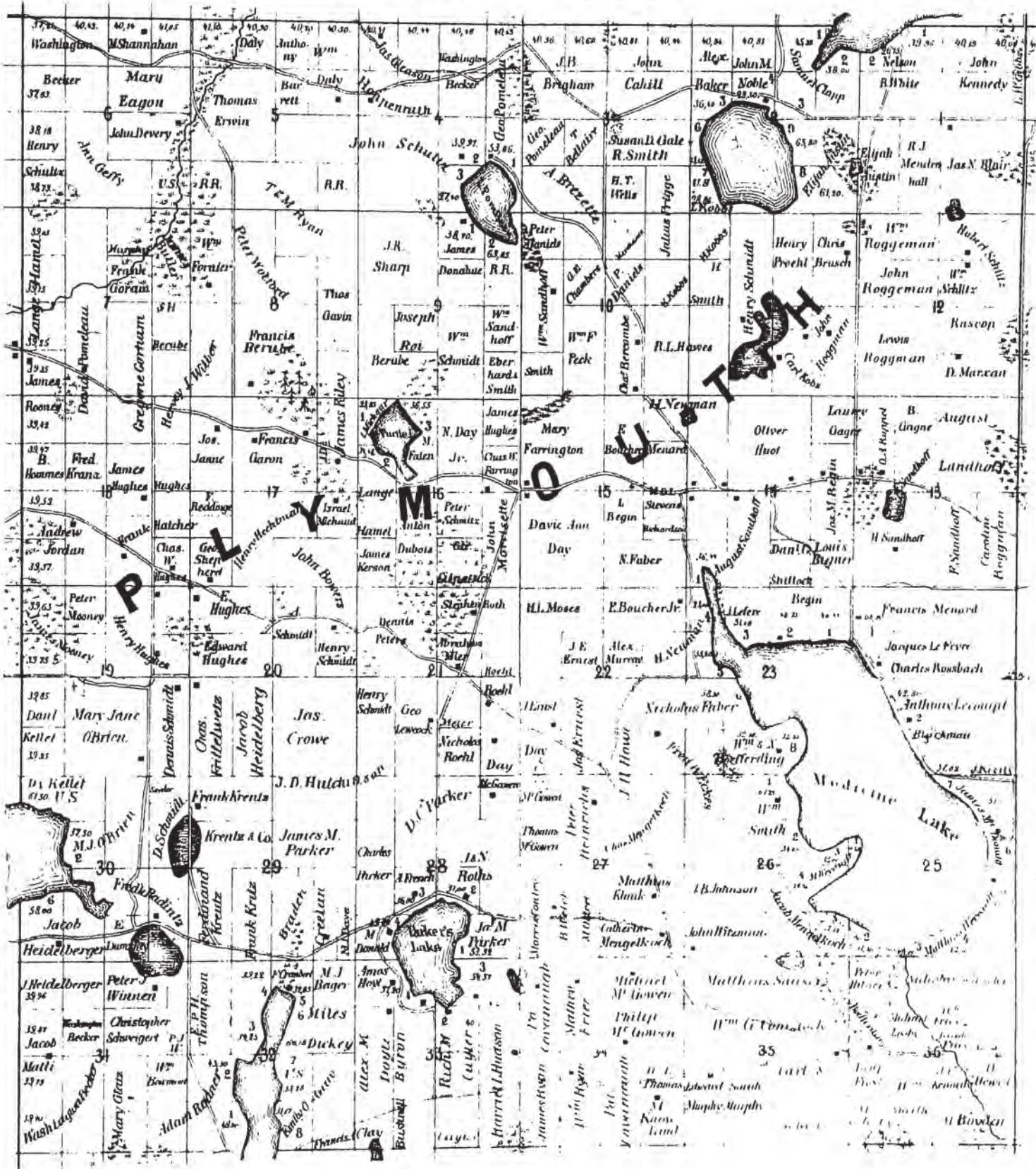
TOWNSHIP 118 N RANGE 22 W. 5<sup>th</sup> P. M.

Scale 2 inches to the mile.





T. 118 R. 22







*Boundaries of Lakes*

Posts	Courses	Dist.	Posts	Courses	Dist.	Posts	Courses	Dist.
Lake in Section 1								
1	1.39	N. 81.00	2	1.21	N. 4.00	3	1.57	N. 5.00
2	1.21	N. 12.00	3	1.21	N. 5.00	4	1.11	N. 9.00
3	1.21	N. 15.00	4	1.07	N. 6.00	5	1.11	N. 8.00
4	1.27	N. 16.00	5	1.61	N. 17.00	6	1.21	N. 6.00
5	1.66	N. 7.00	6	1.27	N. 5.00	7	1.19	N. 6.00
6	1.53	N. 10.00	7	1.61	N. 11.00	8	1.21	N. 5.00
7	1.44	N. 12.00	8	1.22	N. 7.00	9	1.29	N. 6.00
8	1.10	N. 5.00	9	1.20	N. 7.00	10	1.16	N. 5.00
9	1.17	N. 7.00	10	1.10	N. 5.00	11	1.26	N. 6.00
10	1.35	N. 8.00	11	1.21	N. 6.00	12	1.36	N. 2.00
11	1.52	N. 16.00	12	1.21	N. 6.00	13	1.52	N. 2.00
12	1.66	N. 10.00	13	1.22	N. 6.00	14	1.52	N. 2.00
13	1.70	N. 5.00	14	1.21	N. 6.00	15	1.66	N. 4.00
14	1.60	N. 10.00	15	1.27	N. 5.00	16	1.66	N. 6.00
15	1.42	N. 5.00	16	1.02	N. 6.00	17	1.73	N. 4.00
16	1.24	N. 7.00	17	1.21	N. 5.00	18	1.62	N. 8.00
17	1.62	N. 10.00	18	1.39	N. 1.00	19	1.22	N. 3.00
18	1.81	N. 1.00	19	1.25	N. 1.00	20	1.14	N. 3.00
19	1.83	N. 2.00	20	1.21	N. 5.00	21	1.22	N. 2.00
20	1.82	N. 3.00	21	1.40	N. 5.00	22	1.22	N. 5.00
21	1.84	N. 10.00	22	1.64	N. 5.00	23	1.22	N. 10.00
22	1.86	N. 3.00	23	1.66	N. 2.00	24	1.22	N. 12.00
23	1.82	N. 5.00	24	1.19	N. 2.00	25	1.22	N. 12.00
24	1.84	N. 12.00	25	1.22	N. 12.00	26	1.22	N. 12.00
25	1.82	N. 14.00	26	1.22	N. 12.00	27	1.22	N. 12.00
26	1.84	N. 14.00	27	1.22	N. 12.00	28	1.22	N. 12.00
27	1.84	N. 14.00	28	1.22	N. 12.00	29	1.22	N. 12.00
28	1.84	N. 14.00	29	1.22	N. 12.00	30	1.22	N. 12.00
29	1.84	N. 14.00	30	1.22	N. 12.00	31	1.22	N. 12.00
30	1.84	N. 14.00	31	1.22	N. 12.00	32	1.22	N. 12.00
31	1.84	N. 14.00	32	1.22	N. 12.00	33	1.22	N. 12.00
32	1.84	N. 14.00	33	1.22	N. 12.00	34	1.22	N. 12.00
33	1.84	N. 14.00	34	1.22	N. 12.00	35	1.22	N. 12.00
34	1.84	N. 14.00	35	1.22	N. 12.00	36	1.22	N. 12.00
35	1.84	N. 14.00	36	1.22	N. 12.00			
36	1.84	N. 14.00						

Total number of Acres 21487.87

Surveys Designated.	By Whom Surveyed	Date of Contract.	Amount of Surveys M. Ch <sup>2</sup> Lk <sup>2</sup>	When Surveyed.	When Changed in the Sur <sup>g</sup> Gen <sup>l</sup> Ac <sup>t</sup>
Township lines.	John Payne	July 12 <sup>th</sup> 1856	23-75-22	May 1855	
Subdivisions.	Harold Newton	June 9 <sup>th</sup> 1855	75-20-20	August 1855	

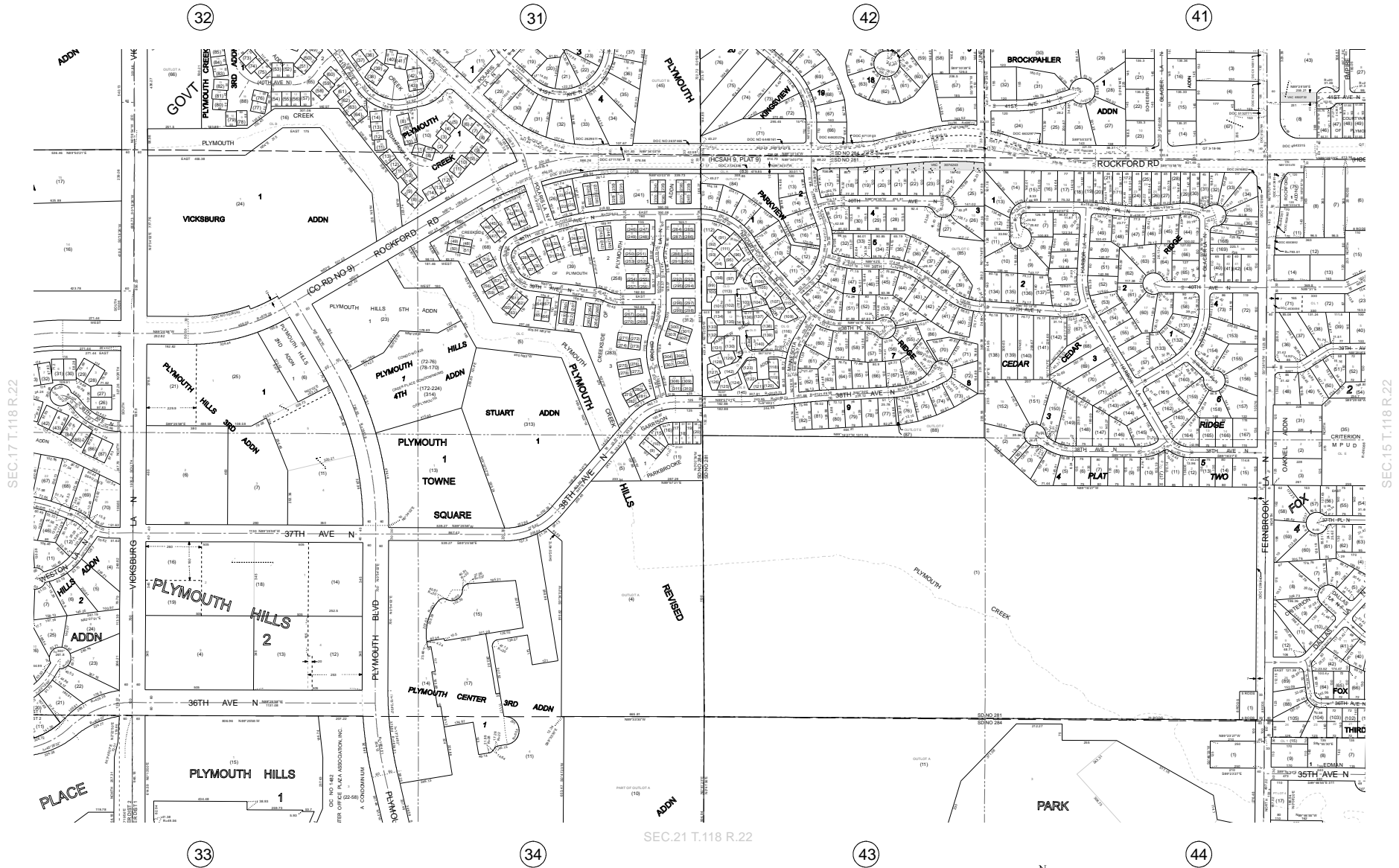
The above Map of Township N<sup>o</sup> 118 N.S., of Range N<sup>o</sup> 22 West, 5<sup>th</sup> Mer. Principal Meridian, St. James Plat., is strictly conformable to the field notes of the survey thereof on file in this Office which have been examined and approved.  
 Surveyor General's Office  
 Dubuque, March 15<sup>th</sup> 1856  
*Harold Newton*  
 Sur<sup>g</sup> Gen<sup>l</sup>

19	1.20	N. 4.00	4.00
20	1.20	N. 4.00	4.00
21	1.20	N. 4.00	4.00
22	1.20	N. 4.00	4.00
23	1.20	N. 4.00	4.00
24	1.20	N. 4.00	4.00
25	1.20	N. 4.00	4.00
26	1.20	N. 4.00	4.00
27	1.20	N. 4.00	4.00
28	1.20	N. 4.00	4.00
29	1.20	N. 4.00	4.00
30	1.20	N. 4.00	4.00
31	1.20	N. 4.00	4.00
32	1.20	N. 4.00	4.00
33	1.20	N. 4.00	4.00
34	1.20	N. 4.00	4.00
35	1.20	N. 4.00	4.00
36	1.20	N. 4.00	4.00
Total	18.21	1.27	



## Plat Maps





SEC.17 T.118 R.22

SEC.15 T.118 R.22

SEC.21 T.118 R.22

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LEGEND

- STORM SEWER DISTRICT BOUNDARY
- SCHOOL DISTRICT BOUNDARY
- WATERSHED DISTRICT BOUNDARY
- TAX INCREMENT DISTRICT BOUNDARY
- MUNICIPAL BOUNDARY



SEC.15 T.118 R.22



SEC.21 T.118 R.22

SEC.23 T.118 R.22

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LEGEND

- STORM SEWER DISTRICT BOUNDARY
- - - SCHOOL DISTRICT BOUNDARY
- ..... WATERSHED DISTRICT BOUNDARY
- ..... TAX INCREMENT DISTRICT BOUNDARY
- ..... MUNICIPAL BOUNDARY



## **Appendix D**

### **Regulatory Records Documentation**

**(on CD)**



---

## **Radius Report**

---

[Satellite view](#)

*Target Property:*

***Plymouth Creek Feaibility  
Plymouth, Hennepin County, Minnesota 55446***

*Prepared For:*

***Historical Information Gatherers***

**Order #: 55910**

**Job #: 121201**

**Project #: 1521115**

**Date: 09/15/2015**



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<a href="#">Locatable Database Findings</a> . . . . .	6
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<a href="#">Radius Map 2</a> . . . . .	11
<a href="#">Ortho Map</a> . . . . .	12
<a href="#">Topographic Map</a> . . . . .	13
<a href="#">Report Summary of Locatable Sites</a> . . . . .	14
<a href="#">Unlocatable Summary</a> . . . . .	33
<a href="#">Environmental Records Definitions</a> . . . . .	35
<a href="#">Unlocatable Report</a> . . . . .	See Attachment
<a href="#">Zip Report</a> . . . . .	See Attachment

### **Disclaimer**

*This report was designed by GeoSearch to meet or exceed the records search requirements of the All Appropriate Inquires Rule (40 CFR §312.26) and the current version of the ASTM International E1527, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process or, if applicable, the custom requirements requested by the entity that ordered this report. The records and databases of records used to compile this report were collected from various federal, state and local governmental entities. It is the goal of GeoSearch to meet or exceed the 40 CFR §312.26 and E1527 requirements for updating records by using the best available technology. GeoSearch contacts the appropriate governmental entities on a recurring basis. Depending on the frequency with which a record source or database of records is updated by the governmental entity, the data used to prepare this report may be updated monthly, quarterly, semi-annually, or annually.*

*The information provided in this report was obtained from a variety of public sources. GeoSearch cannot ensure and makes no warranty or representation as to the accuracy, reliability, quality, errors occurring from data conversion or the customer's interpretation of this report. This report was made by GeoSearch for exclusive use by its clients only. Therefore, this report may not contain sufficient information for other purposes or parties. GeoSearch and its partners, employees, officers And independent contractors cannot be held liable For actual, incidental, consequential, special or exemplary damages suffered by a customer resulting directly or indirectly from any information provided by GeoSearch.*



## Target Property Summary

### **Plymouth Creek Feaibility**

**Plymouth, Hennepin County, Minnesota 55446**

USGS Quadrangle: **Osseo, MN**

Target Property Geometry: **Area**

Target Property Longitude(s)/Latitude(s):

(-93.466315, 45.023113), (-93.465886, 45.022765), (-93.466380, 45.023356), (-93.466208, 45.023432),  
(-93.465950, 45.023280), (-93.465178, 45.022704), (-93.463826, 45.022097), (-93.463333, 45.022188),  
(-93.462839, 45.022006), (-93.462582, 45.021384), (-93.462110, 45.021263), (-93.461208, 45.020899),  
(-93.460715, 45.021157), (-93.460157, 45.021142), (-93.460007, 45.020793), (-93.459878, 45.020914),  
(-93.459127, 45.021020), (-93.458419, 45.020444), (-93.458784, 45.020247), (-93.459384, 45.020641),  
(-93.459942, 45.020383), (-93.460350, 45.020459), (-93.460522, 45.020808), (-93.460672, 45.020641),  
(-93.461509, 45.020626), (-93.462217, 45.021005), (-93.462775, 45.021081), (-93.463097, 45.021839),  
(-93.463440, 45.021915), (-93.463805, 45.021824), (-93.464191, 45.021885), (-93.465071, 45.022340),  
(-93.466315, 45.023113), (-93.466315, 45.023113)

County/Parish Covered:

**Hennepin (MN)**

Zipcode(s) Covered:

**Minneapolis MN: 55441, 55442, 55446, 55447**

State(s) Covered:

**MN**

**\* Target property is located in Radon Zone 1.**

**Zone 1 areas have a predicted average indoor radon screening level greater than 4 pCi/L (picocuries per liter).**

*This report may have unlocatable records. Please see the Unlocatables Report, attached to this file.*



## Database Findings Summary

### FEDERAL LISTING

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
AEROMETRIC INFORMATION RETRIEVAL SYSTEM / AIR FACILITY SUBSYSTEM	<a href="#">AIRSAFS</a>	0	0	TP/AP
BIENNIAL REPORTING SYSTEM	<a href="#">BRS</a>	0	0	TP/AP
CLANDESTINE DRUG LABORATORY LOCATIONS	<a href="#">CDL</a>	0	0	TP/AP
EPA DOCKET DATA	<a href="#">DOCKETS</a>	0	0	TP/AP
FEDERAL ENGINEERING INSTITUTIONAL CONTROL SITES	<a href="#">EC</a>	0	0	TP/AP
EMERGENCY RESPONSE NOTIFICATION SYSTEM	<a href="#">ERNSMN</a>	0	0	TP/AP
FACILITY REGISTRY SYSTEM	<a href="#">FRSMN</a>	0	0	TP/AP
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	<a href="#">HMIRSR05</a>	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM (FORMERLY DOCKETS)	<a href="#">ICIS</a>	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	<a href="#">ICISNPDES</a>	0	0	TP/AP
LAND USE CONTROL INFORMATION SYSTEM	<a href="#">LUCIS</a>	0	0	TP/AP
MATERIAL LICENSING TRACKING SYSTEM	<a href="#">MLTS</a>	0	0	TP/AP
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	<a href="#">NPDES05</a>	0	0	TP/AP
PCB ACTIVITY DATABASE SYSTEM	<a href="#">PADS</a>	0	0	TP/AP
PERMIT COMPLIANCE SYSTEM	<a href="#">PCSR05</a>	0	0	TP/AP
RCRA SITES WITH CONTROLS	<a href="#">RCRASC</a>	0	0	TP/AP
CERCLIS LIENS	<a href="#">SFLIENS</a>	0	0	TP/AP
SECTION SEVEN TRACKING SYSTEM	<a href="#">SSTS</a>	0	0	TP/AP
TOXICS RELEASE INVENTORY	<a href="#">TRI</a>	0	0	TP/AP
TOXIC SUBSTANCE CONTROL ACT INVENTORY	<a href="#">TSCA</a>	0	0	TP/AP
NO LONGER REGULATED RCRA GENERATOR FACILITIES	<a href="#">NLRRCRAG</a>	0	0	0.1250
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR FACILITIES	<a href="#">RCRAGR05</a>	2	0	0.1250
RESOURCE CONSERVATION & RECOVERY ACT - NON-GENERATOR FACILITIES	<a href="#">RCRANGR05</a>	1	0	0.1250
HISTORICAL GAS STATIONS	<a href="#">HISTPST</a>	0	0	0.2500
BROWNFIELDS MANAGEMENT SYSTEM	<a href="#">BF</a>	0	0	0.5000
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION & LIABILITY INFORMATION SYSTEM	<a href="#">CERCLIS</a>	0	0	0.5000
DELISTED NATIONAL PRIORITIES LIST	<a href="#">DNPL</a>	0	0	0.5000
NO FURTHER REMEDIAL ACTION PLANNED SITES	<a href="#">NFRAP</a>	0	0	0.5000
NO LONGER REGULATED RCRA NON-CORRACTS TSD FACILITIES	<a href="#">NLRRCRAT</a>	0	0	0.5000
OPEN DUMP INVENTORY	<a href="#">ODI</a>	0	0	0.5000
RESOURCE CONSERVATION & RECOVERY ACT - TREATMENT, STORAGE & DISPOSAL FACILITIES	<a href="#">RCRAT</a>	0	0	0.5000
DEPARTMENT OF DEFENSE SITES	<a href="#">DOD</a>	0	0	1.0000



## Database Findings Summary

<b>Database</b>	<b>Acronym</b>	<b>Locatable</b>	<b>Unlocatable</b>	<b>Search Radius (miles)</b>
FORMERLY USED DEFENSE SITES	<a href="#">FUDS</a>	0	0	1.0000
NO LONGER REGULATED RCRA CORRECTIVE ACTION FACILITIES	<a href="#">NLRRCRAC</a>	0	0	1.0000
NATIONAL PRIORITIES LIST	<a href="#">NPL</a>	0	0	1.0000
PROPOSED NATIONAL PRIORITIES LIST	<a href="#">PNPL</a>	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION FACILITIES	<a href="#">RCRAC</a>	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - SUBJECT TO CORRECTIVE ACTION FACILITIES	<a href="#">RCRASUBC</a>	0	0	1.0000
RECORD OF DECISION SYSTEM	<a href="#">RODS</a>	0	0	1.0000
<b>SUB-TOTAL</b>		<b>3</b>	<b>0</b>	



## Database Findings Summary

### STATE (MN) LISTING

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
PERMITTED AIR FACILITIES	<a href="#">AIRS</a>	0	0	TP/AP
CLANDESTINE DRUG LABORATORY LOCATIONS	<a href="#">CDL</a>	0	0	TP/AP
SITES WITH INSTITUTIONAL CONTROLS	<a href="#">IC</a>	0	0	TP/AP
SPILLS LISTING	<a href="#">PCASPILLS</a>	0	0	TP/AP
SOLID WASTE UTILIZATION PROJECTS	<a href="#">SWUP</a>	0	0	TP/AP
TIER TWO FACILITY LISTING	<a href="#">TIERII</a>	0	0	TP/AP
FEEDLOTS	<a href="#">FEEDLOT</a>	0	0	0.1250
HAZARDOUS WASTE GENERATOR SITES	<a href="#">HWGS</a>	2	0	0.1250
WATER DISCHARGE PERMITS	<a href="#">WDP</a>	3	0	0.1250
BULK STORAGE PERMITS	<a href="#">BULKSTORAGE</a>	0	0	0.2500
REGISTERED DRYCLEANING FACILITIES	<a href="#">CLEANERS</a>	0	0	0.2500
REGISTERED STORAGE TANKS	<a href="#">UAST</a>	0	0	0.2500
AGRICULTURAL SPILLS LISTING	<a href="#">AGSPILLS</a>	0	0	0.5000
CONCENTRATED ANIMAL FEEDING OPERATIONS	<a href="#">CAFO</a>	0	0	0.5000
CERCLIS SITES	<a href="#">CERCLIS</a>	0	0	0.5000
CLOSED LANDFILLS	<a href="#">CLE</a>	0	0	0.5000
AGRICULTURAL CONTINGENCY SITES	<a href="#">CONTINGENCIES</a>	0	0	0.5000
HAZARDOUS WASTE TREATMENT STORAGE DISPOSAL SITES	<a href="#">HWSTSD</a>	0	0	0.5000
REGISTERED LEAKING STORAGE TANKS	<a href="#">LUAST</a>	3	0	0.5000
PETROLEUM BROWNFIELDS PROGRAM SITES	<a href="#">PBF</a>	0	0	0.5000
PERMITTED BY RULE LANDFILLS	<a href="#">PBRLE</a>	0	0	0.5000
POTENTIAL VOLUNTARY INVESTIGATION AND CLEANUP PROGRAM SITES	<a href="#">PVICP</a>	0	0	0.5000
RECYCLING MARKETS DIRECTORY	<a href="#">RECYCLERS</a>	0	0	0.5000
SITE RESPONSE SECTION DATABASE	<a href="#">SRS</a>	0	0	0.5000
OPEN SOLID WASTE FACILITIES	<a href="#">SWF</a>	0	0	0.5000
UNPERMITTED DUMP SITES	<a href="#">UNPERMDUMPS</a>	1	0	0.5000
VOLUNTARY INVESTIGATION AND CLEANUP PROGRAM SITES	<a href="#">VICP</a>	0	0	0.5000
CONTAMINATED SOIL TREATMENT FACILITIES	<a href="#">CSTF</a>	0	0	1.0000
HAZARDOUS WASTE CLEANUP SITES	<a href="#">HWCS</a>	0	0	1.0000
STATE ASSESSMENT SITES	<a href="#">SAS</a>	4	0	1.0000
SUPERFUND SITE INFORMATION LISTING	<a href="#">SF</a>	0	0	1.0000
<b>SUB-TOTAL</b>		<b>13</b>	<b>0</b>	



## Database Findings Summary

### TRIBAL LISTING

<b>Database</b>	<b>Acronym</b>	<b>Locatable</b>	<b>Unlocatable</b>	<b>Search Radius (miles)</b>
UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	<a href="#">USTR05</a>	0	0	0.2500
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	<a href="#">LUSTR05</a>	0	0	0.5000
OPEN DUMP INVENTORY ON TRIBAL LANDS	<a href="#">ODINDIAN</a>	0	0	0.5000
INDIAN RESERVATIONS	<a href="#">INDIANRES</a>	0	0	1.0000
<b>SUB-TOTAL</b>				
		0	0	
<b>TOTAL</b>				
		16	0	



## Locatable Database Findings

### FEDERAL LISTING

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
AIRSAFS	0.0200		NS	NS	NS	NS	NS	0
BRS	0.0200		NS	NS	NS	NS	NS	0
CDL	0.0200		NS	NS	NS	NS	NS	0
DOCKETS	0.0200		NS	NS	NS	NS	NS	0
EC	0.0200		NS	NS	NS	NS	NS	0
ERNSMN	0.0200		NS	NS	NS	NS	NS	0
FRSMN	0.0200		NS	NS	NS	NS	NS	0
HMIRSR05	0.0200		NS	NS	NS	NS	NS	0
ICIS	0.0200		NS	NS	NS	NS	NS	0
ICISNPDES	0.0200		NS	NS	NS	NS	NS	0
LUCIS	0.0200		NS	NS	NS	NS	NS	0
MLTS	0.0200		NS	NS	NS	NS	NS	0
NPDES05	0.0200		NS	NS	NS	NS	NS	0
PADS	0.0200		NS	NS	NS	NS	NS	0
PCSR05	0.0200		NS	NS	NS	NS	NS	0
RCRASC	0.0200		NS	NS	NS	NS	NS	0
SFLIENS	0.0200		NS	NS	NS	NS	NS	0
SSTS	0.0200		NS	NS	NS	NS	NS	0
TRI	0.0200		NS	NS	NS	NS	NS	0
TSCA	0.0200		NS	NS	NS	NS	NS	0
NLRRCRAG	0.1250		0	NS	NS	NS	NS	0
RCRAGR05	0.1250		2	NS	NS	NS	NS	2
RCRANGR05	0.1250		1	NS	NS	NS	NS	1
HISTPST	0.2500		0	0	NS	NS	NS	0
BF	0.5000		0	0	0	NS	NS	0
CERCLIS	0.5000		0	0	0	NS	NS	0
DNPL	0.5000		0	0	0	NS	NS	0
NFRAP	0.5000		0	0	0	NS	NS	0
NLRRCRAT	0.5000		0	0	0	NS	NS	0
ODI	0.5000		0	0	0	NS	NS	0
RCRAT	0.5000		0	0	0	NS	NS	0
DOD	1.0000		0	0	0	0	NS	0
FUDS	1.0000		0	0	0	0	NS	0
NLRRCRAC	1.0000		0	0	0	0	NS	0
NPL	1.0000		0	0	0	0	NS	0
PNPL	1.0000		0	0	0	0	NS	0



## Locatable Database Findings

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
RCRAC	1.0000		0	0	0	0	NS	0
RCRASUBC	1.0000		0	0	0	0	NS	0
RODS	1.0000		0	0	0	0	NS	0
<b>SUB-TOTAL</b>								
			3	0	0	0	0	3



## Locatable Database Findings

### STATE (MN) LISTING

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
AIRS	0.0200		NS	NS	NS	NS	NS	0
CDL	0.0200		NS	NS	NS	NS	NS	0
IC	0.0200		NS	NS	NS	NS	NS	0
PCASPILLS	0.0200		NS	NS	NS	NS	NS	0
SWUP	0.0200		NS	NS	NS	NS	NS	0
TIERII	0.0200		NS	NS	NS	NS	NS	0
FEEDLOT	0.1250		0	NS	NS	NS	NS	0
HWGS	0.1250		2	NS	NS	NS	NS	2
WDP	0.1250		3	NS	NS	NS	NS	3
BULKSTORAGE	0.2500		0	0	NS	NS	NS	0
CLEANERS	0.2500		0	0	NS	NS	NS	0
UAST	0.2500		0	0	NS	NS	NS	0
AGSPILLS	0.5000		0	0	0	NS	NS	0
CAFO	0.5000		0	0	0	NS	NS	0
CERCLIS	0.5000		0	0	0	NS	NS	0
CLF	0.5000		0	0	0	NS	NS	0
CONTINGENCIES	0.5000		0	0	0	NS	NS	0
HWSTSD	0.5000		0	0	0	NS	NS	0
LUAST	0.5000		1	1	1	NS	NS	3
PBF	0.5000		0	0	0	NS	NS	0
PBRLF	0.5000		0	0	0	NS	NS	0
PVICP	0.5000		0	0	0	NS	NS	0
RECYCLERS	0.5000		0	0	0	NS	NS	0
SRS	0.5000		0	0	0	NS	NS	0
SWF	0.5000		0	0	0	NS	NS	0
UNPERMDUMPS	0.5000		0	0	1	NS	NS	1
VICP	0.5000		0	0	0	NS	NS	0
CSTF	1.0000		0	0	0	0	NS	0
HWCS	1.0000		0	0	0	0	NS	0
SAS	1.0000		0	0	1	3	NS	4
SF	1.0000		0	0	0	0	NS	0
<b>SUB-TOTAL</b>			<b>6</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>13</b>



## Locatable Database Findings

### TRIBAL LISTING

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
USTR05	0.2500		0	0	NS	NS	NS	0
LUSTR05	0.5000		0	0	0	NS	NS	0
ODINDIAN	0.5000		0	0	0	NS	NS	0
INDIANRES	1.0000		0	0	0	0	NS	0

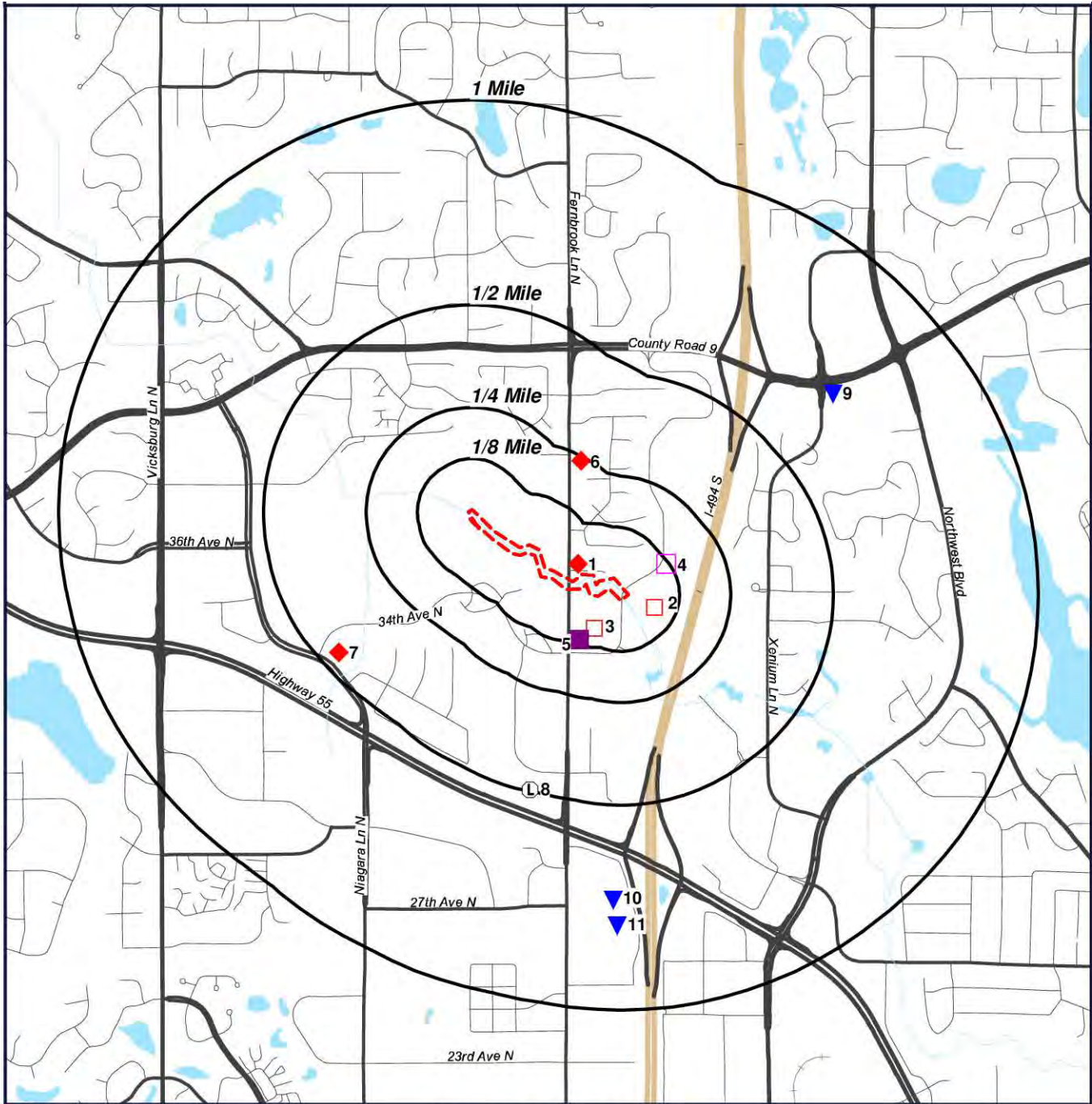
SUB-TOTAL			0	0	0	0	0	0
-----------	--	--	---	---	---	---	---	---

TOTAL		0	9	1	3	3	0	16
-------	--	---	---	---	---	---	---	----

**NOTES:**  
 NS = NOT SEARCHED  
 TP/AP = TARGET PROPERTY/ADJACENT PROPERTY



# Radius Map 1



- Target Property (TP)
- LUAST
- RCRAGR05
- RCRANGR05
- WDP
- UNPERMDUMPS
- SAS

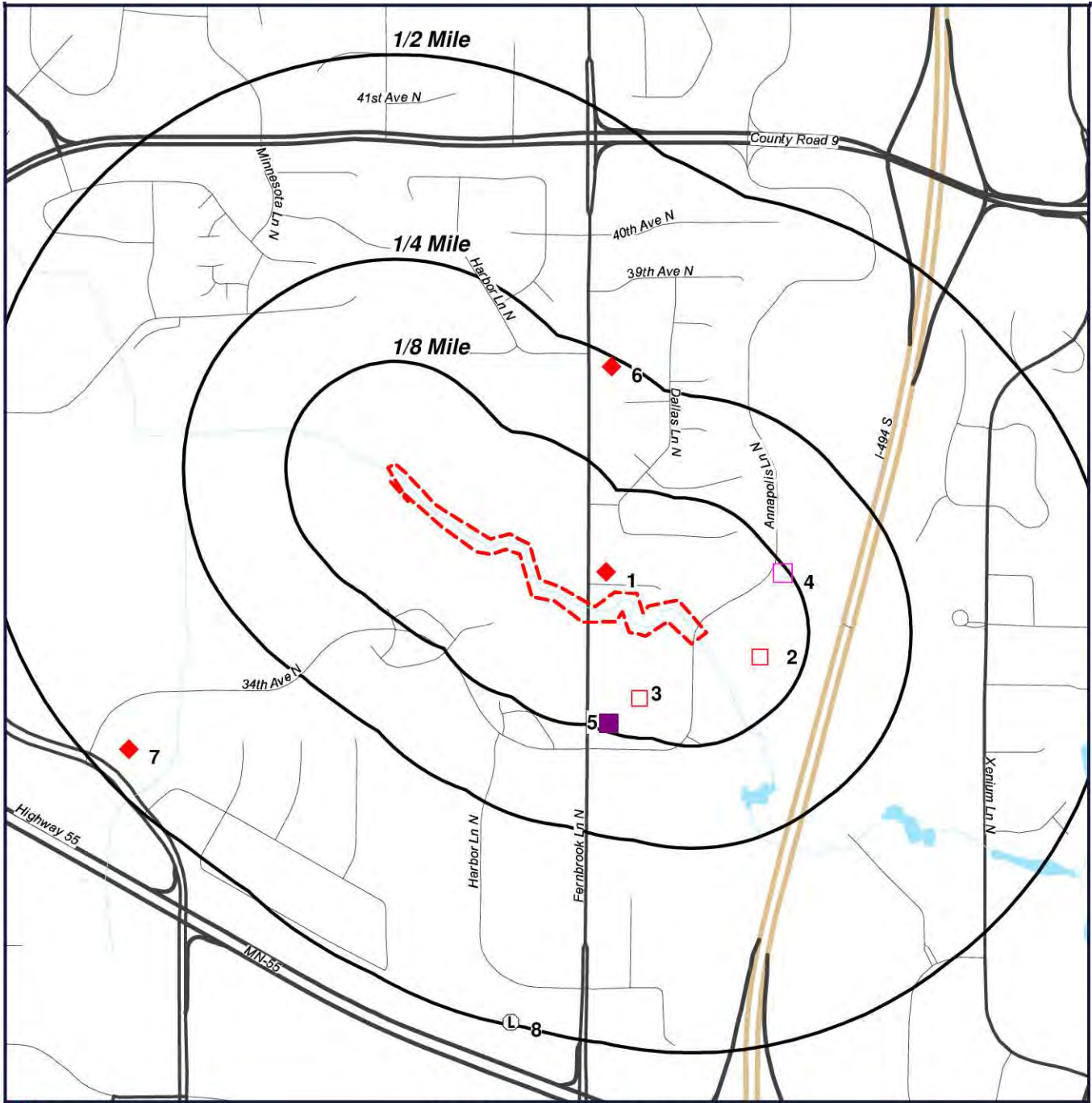
**Plymouth Creek Feability**  
**Plymouth, Minnesota**  
**55446**



[Click here to access Satellite view](#)



# Radius Map 2



- Target Property (TP)
- LUAST
- RCRAGR05
- RCRANGR05
- WDP
- UNPERMDUMPS
- SAS

**Plymouth Creek Feability  
Plymouth, Minnesota  
55446**



[Click here to access Satellite view](#)



# Ortho Map

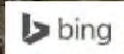
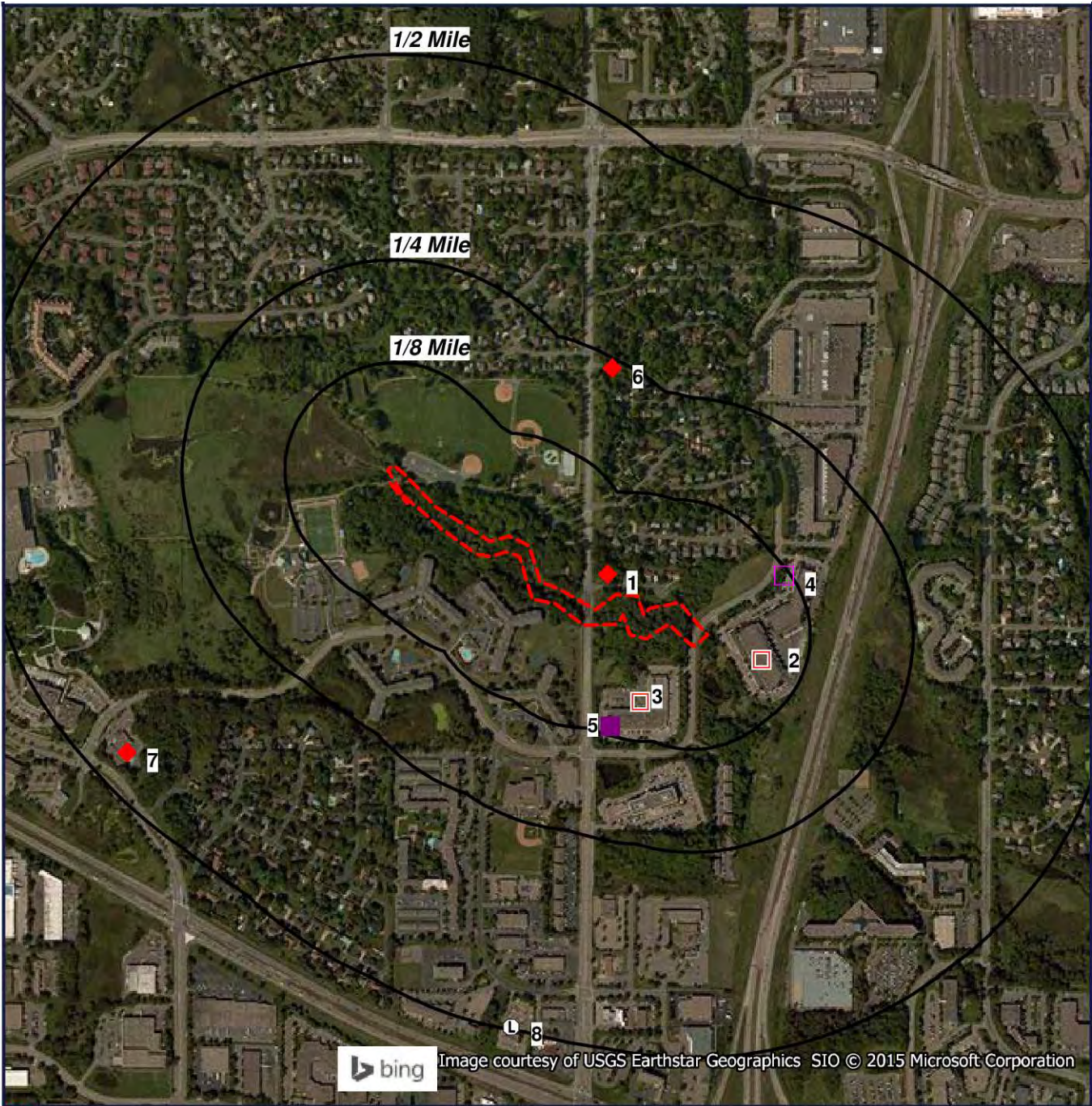


Image courtesy of USGS Earthstar Geographics SIO © 2015 Microsoft Corporation

- Target Property (TP)
- LUAST
- RCRAGR05
- RCRANGR05
- WDP
- UNPERMDUMPS
- SAS

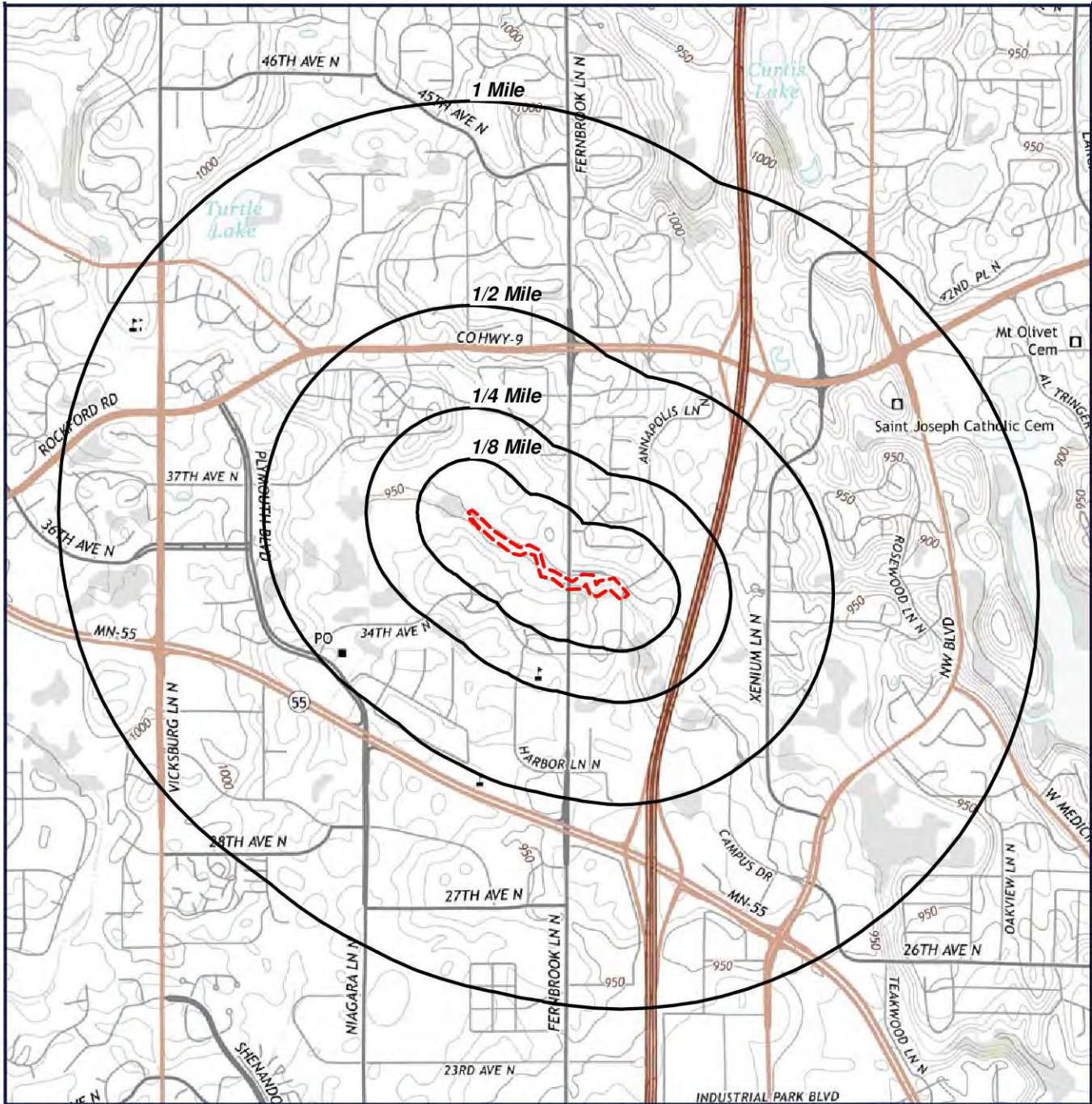
**Quadrangle(s): Osseo  
Plymouth Creek Feaibility  
Plymouth, Minnesota  
55446**




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# Topographic Map



 Target Property (TP)

**Quadrangle(s): Osseo**  
**Source: USGS, 08/22/2013**  
**Plymouth Creek Feaibility**  
**Plymouth, Minnesota**  
**55446**



0' 1000' 2000' 3000'  
SCALE: 1" = 2000'

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## Report Summary of Locatable Sites

Map ID#	Database Name	Site ID#	Distance From Site	Site Name	Address	City, Zip Code	PAGE #
<a href="#">1</a>	LUAST	5358LUAST	0.03 SE	DENNIS JOHNSON PROPERTY	3540 FERNBROOK AVE N	PLYMOUTH, 55441	<a href="#">15</a>
<a href="#">2</a>	WDP	273015	0.08 SE	SAUER-DANFOSS CO	3500 ANNAPOLIS LN N	PLYMOUTH, 55447	<a href="#">16</a>
<a href="#">2</a>	RCRAGR05	MNR000041293	0.08 SE	SAUER-DANFOSS CO	3500 ANNAPOLIS LN N	PLYMOUTH, 55447	<a href="#">17</a>
<a href="#">2</a>	HWGS	MNR000041293	0.08 SE	SAUER-DANFOSS CO	3500 ANNAPOLIS LN N	PLYMOUTH, 55447	<a href="#">19</a>
<a href="#">3</a>	RCRAGR05	MNS000150847	0.08 SE	KIPS BAY MEDICAL INC	3405 ANNAPOLIS LN STE 200	MINNEAPOLIS, 55447	<a href="#">20</a>
<a href="#">3</a>	HWGS	MNS000150847	0.08 SE	KIPS BAY MEDICAL INC	3405 ANNAPOLIS LN STE 200	MINNEAPOLIS, 55447	<a href="#">22</a>
<a href="#">4</a>	RCRANGR05	MND985667682	0.12 E	TRAMMELL CROW CO	3550 ANNAPOLIS LN	PLYMOUTH, 55441	<a href="#">23</a>
<a href="#">4</a>	WDP	69261661	0.12 E	FLUKE THERMOGRAPHY	3550 ANNAPOLIS LN N 70	PLYMOUTH, 55447	<a href="#">25</a>
<a href="#">5</a>	WDP	12977	0.12 SE	PLYMOUTH BUSINESS CENTER 5TH ADD	NE QUAD OF FERNBROOK LN & 34TH AVE	PLYMOUTH, 55447	<a href="#">26</a>
<a href="#">6</a>	LUAST	5859LUAST	0.25 NE	CHARLOTTE BECK RESIDENCE	3800 FERNBROOK LN	PLYMOUTH, 55447	<a href="#">27</a>
<a href="#">7</a>	LUAST	3973LUAST	0.47 SW	US POSTAL SERVICE/PLYMOUTH BRANCH	3300 PLYMOUTH BLVD	MINNEAPOLIS, 55447	<a href="#">28</a>
<a href="#">8</a>	UNPERMDUMPS	173449UDS	0.5 S	ST. LOUIS PARK MUNICIPAL DUMP	SEE LOCATION DESCRIPTION	ST. LOUIS PARK, 55426	<a href="#">29</a>
<a href="#">8</a>	SAS	173449SAS	0.5 S	ST. LOUIS PARK MUNICIPAL DUMP		ST. LOUIS PARK, 55426	<a href="#">30</a>
<a href="#">9</a>	SAS	67321189SAS	0.71 E	ANCHOR BANK - PLYMOUTH	3950 VINEWOOD LN N	PLYMOUTH, 55441	<a href="#">31</a>
<a href="#">10</a>	SAS	71778SAS	0.74 S	TEMROC METALS INC	2735 CHESHIRE LN N	PLYMOUTH, 55447	<a href="#">32</a>
<a href="#">11</a>	SAS	907SAS	0.8 S	AACRON INC	2705 CHESHIRE LN N	PLYMOUTH, 55447	<a href="#">33</a>



## Registered Leaking Storage Tanks (LUAST)

[MAP ID# 1](#)

Distance from Property: 0.03 mi. SE

### **SITE INFORMATION**

GEOSEARCH ID: 5358LUAST

LEAK ID: 5358

NAME: DENNIS JOHNSON PROPERTY

ADDRESS: 3540 FERNBROOK AVE N  
PLYMOUTH, MN 55441

RELEASE DISCOVERED: 06/25/1992

RELEASE REPORT: 06/25/1992

CONDITIONAL CLOSURE DATE: NOT REPORTED

COMPLETE SITE CLOSURE DATE: 08/04/1992

COMTAMINATED SOILS REMAINING: NO

OFFSITE COMTAMINATION: UNKNOWN

PRODUCT RELEASED: FUEL OIL 1 & 2

WEBSITE LINK:

[http://cf.pca.state.mn.us/programs/lust\\_pResults2.cfm?leak=5358&pg=LS](http://cf.pca.state.mn.us/programs/lust_pResults2.cfm?leak=5358&pg=LS)

### **GROUND WATER**

DRINKING WATER CONTAMINATION: NOT REPORTED

FREE PRODUCT OBSERVED: NO

FREE PRODUCT THICKNESS: NOT REPORTED

GROUNDWATER CONTAMINATION: NO

### **CLEANUP ACTIONS**

- NO CLEANUP ACTIONS REPORTED

INTEREST TYPE:

LAST UPDATE:

LEAK SITE

11/10/2014

DELETED LEAK SITE

11/17/2006

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[Back to Report Summary](#)



## Water Discharge Permits (WDP)

[MAP ID# 2](#)

Distance from Property: 0.08 mi. SE

### **FACILITY INFORMATION**

SITE ID: 273015

SITE NAME: SAUER-DANFOSS CO

ADDRESS: 3500 ANNAPOLIS LN N

PLYMOUTH, MN 55447 HENNEPIN

PDF URL: [http://cf.pca.state.mn.us/wimn/siteInfo\\_print.cfm?siteid=273015](http://cf.pca.state.mn.us/wimn/siteInfo_print.cfm?siteid=273015)

### **FACILITY DETAILS**

ID: MNRNE33HP

TYPE: INDUSTRIAL STORMWATER PERMIT

WATERSHED: MISSISSIPPI RIVER - TWIN CITIES

CURRENTLY ACTIVE: YES

INDUSTRY CLASSIFICATION: NOT REPORTED

---

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# Resource Conservation & Recovery Act - Generator Facilities (RCRAGR05)

MAP ID# 2

Distance from Property: 0.08 mi. SE

## FACILITY INFORMATION

EPA ID#: MNR000041293

NAME: SAUER-DANFOSS CO

ADDRESS: 3500 ANNAPOLIS LN N

PLYMOUTH, MN 55447

CONTACT NAME: JOHN PACK

CONTACT ADDRESS: 3500 ANNAPOLIS LN N

PLYMOUTH MN 55447

CONTACT PHONE: 763-694-2144

NON-NOTIFIER: NOT A NON-NOTIFIER

DATE RECEIVED BY AGENCY: 03/10/2008

OWNER TYPE: NOT REPORTED

OWNER NAME: NOT REPORTED

OPERATOR TYPE: PRIVATE

OPERATOR NAME: SAUER-DANFOSS CO

## CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
JOHN PACK	EHS ADMINISTRATION	03/19/2008
JOHN PACK	EHS ADMINISTRATION	03/19/2007
JOHN PACK	EHS ADMINISTRATION	11/25/2002
JOHN PACK	EHS ADMINISTRATION	11/25/2002
JOHN PACK	EHS ADMINISTRATION	01/01/1985
JOHN PACK	EHS ADMINISTRATION	01/01/1985

## INDUSTRY CLASSIFICATION (NAICS)

335999 - ALL OTHER MISCELLANEOUS ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING

## SITE HISTORY (INCLUDES GENERATORS AND NON-GENERATORS)

DATE RECEIVED BY AGENCY: 03/10/2008

NAME: SAUER-DANFOSS CO

GENERATOR CLASSIFICATION: LARGE QUANTITY GENERATOR

## CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **02/17/2010**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

UNDERGROUND INJECTION: **NO**

MIXED WASTE GENERATOR: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **NO**

RECYCLER: **NO**

TRANSFER FACILITY: **NO**

TRANSPORTER: **NO**

USED OIL FUEL BURNER: **NO**

ONSITE BURNER EXEMPTION: **NO**

USED OIL PROCESSOR: **NO**

FURNACE EXEMPTION: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSFER FACILITY: **NO**

USED OIL TRANSPORTER: **NO**

## COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS - **NO EVALUATIONS REPORTED** -



**Resource Conservation & Recovery Act - Generator Facilities  
(RCRAGR05)**

VIOLATIONS - NO VIOLATIONS REPORTED -

ENFORCEMENTS - NO ENFORCEMENTS REPORTED -

HAZARDOUS WASTE

**D001**      **IGNITABLE WASTE**

**D008**      **LEAD**

**D009**      **MERCURY**

UNIVERSAL WASTE - NO UNIVERSAL WASTE REPORTED -

CORRECTIVE ACTION AREA - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT - NO CORRECTIVE ACTION EVENT REPORTED -

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## Hazardous Waste Generator Sites (HWGS)

[MAP ID# 2](#)

Distance from Property: 0.08 mi. SE

### **FACILITY INFORMATION**

PREFERRED ID: MNR000041293

FACILITY NAME: SAUER-DANFOSS CO

ADDRESS: 3500 ANNAPOLIS LN N  
PLYMOUTH, MN 55447

CONTACT: JOHN PACK

PHONE: 763-694-2144

### **MAILING INFORMATION**

ADDRESS: 3500 ANNAPOLIS LN N  
PLYMOUTH, MN 55447

### **FACILITY DETAILS**

WASTE ACTIVITY: G8-GENERATION, VSQG

---

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# Resource Conservation & Recovery Act - Generator Facilities (RCRAGR05)

MAP ID# 3

Distance from Property: 0.08 mi. SE

## FACILITY INFORMATION

EPA ID#: MNS000150847

NAME: KIPS BAY MEDICAL INC

ADDRESS: 3405 ANNAPOLIS LN STE 200

MINNEAPOLIS, MN 55447

CONTACT NAME: SHARON ROSSI

CONTACT ADDRESS: 3405 ANNAPOLIS LN STE 200

MINNEAPOLIS MN 55447

CONTACT PHONE: 763-235-3540

NON-NOTIFIER: NOT A NON-NOTIFIER

DATE RECEIVED BY AGENCY: 11/19/2009

OWNER TYPE: PRIVATE

OWNER NAME: KIPS BAY MEDICAL INC

OPERATOR TYPE: NOT REPORTED

OPERATOR NAME: NOT REPORTED

## CERTIFICATION

CERTIFICATION NAME:

CERTIFICATION TITLE:

CERTIFICATION SIGNED DATE:

SHARON ROSSI

AQ/RA MANAGER

11/19/2007

## INDUSTRY CLASSIFICATION (NAICS)

339112 - SURGICAL AND MEDICAL INSTRUMENT MANUFACTURING

## SITE HISTORY (INCLUDES GENERATORS AND NON-GENERATORS)

DATE RECEIVED BY AGENCY: 11/19/2009

NAME: KIPS BAY MEDICAL INC

GENERATOR CLASSIFICATION: LARGE QUANTITY GENERATOR

## CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **02/17/2010**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

UNDERGROUND INJECTION: **NO**

MIXED WASTE GENERATOR: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **NO**

RECYCLER: **NO**

TRANSFER FACILITY: **NO**

TRANSPORTER: **NO**

USED OIL FUEL BURNER: **NO**

ONSITE BURNER EXEMPTION: **NO**

USED OIL PROCESSOR: **NO**

FURNACE EXEMPTION: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSFER FACILITY: **NO**

USED OIL TRANSPORTER: **NO**

## COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS - **NO EVALUATIONS REPORTED** -

VIOLATIONS - **NO VIOLATIONS REPORTED** -

ENFORCEMENTS - **NO ENFORCEMENTS REPORTED** -

## HAZARDOUS WASTE



**Resource Conservation & Recovery Act - Generator Facilities  
(RCRAGR05)**

- NO HAZARDOUS WASTE INFORMATION REPORTED -

UNIVERSAL WASTE - NO UNIVERSAL WASTE REPORTED -

CORRECTIVE ACTION AREA - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT - NO CORRECTIVE ACTION EVENT REPORTED -

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## Hazardous Waste Generator Sites (HWGS)

[MAP ID# 3](#)

Distance from Property: 0.08 mi. SE

### **FACILITY INFORMATION**

PREFERRED ID: MNS000150847

FACILITY NAME: KIPS BAY MEDICAL INC

ADDRESS: 3405 ANNAPOLIS LN STE 200  
MINNEAPOLIS, MN 55447

CONTACT: SHARON ROSSI

PHONE: 763-235-3540

### **MAILING INFORMATION**

ADDRESS: 3405 ANNAPOLIS LN STE 200  
MINNEAPOLIS, MN 55447

### **FACILITY DETAILS**

WASTE ACTIVITY: G8-GENERATION, VSQG

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**Resource Conservation & Recovery Act - Non-Generator Facilities  
(RCRANGR05)**

**MAP ID# 4**

Distance from Property: 0.12 mi. E

**FACILITY INFORMATION**

EPA ID#: **MND985667682**

NAME: **TRAMMELL CROW CO**

ADDRESS: **3550 ANNAPOLIS LN**

**PLYMOUTH, MN 55441**

CONTACT NAME: **DAVID HARMONICK**

CONTACT ADDRESS: **8400 NORMANDALE LAKE BLVD 375**

**BLOOMINGTON MN 55437**

CONTACT PHONE: **612-921-2000**

NON-NOTIFIER: **NOT A NON-NOTIFIER**

DATE RECEIVED BY AGENCY: **09/14/2004**

CERTIFICATION - **NO CERTIFICATION REPORTED -**

INDUSTRY CLASSIFICATION (NAICS) - **NO NAICS INFORMATION REPORTED -**

SITE HISTORY (INCLUDES GENERATORS AND NON-GENERATORS)

DATE RECEIVED BY AGENCY: **09/14/2004**

NAME: **TRAMMELL CROW CO**

GENERATOR CLASSIFICATION: **NOT A GENERATOR**

DATE RECEIVED BY AGENCY: **10/24/1988**

NAME: **TRAMMELL CROW CO**

GENERATOR CLASSIFICATION: **NOT A GENERATOR**

**CURRENT ACTIVITY INFORMATION**

GENERATOR STATUS: **NOT A GENERATOR** LAST UPDATED DATE: **09/14/2004**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

UNDERGROUND INJECTION: **NO**

MIXED WASTE GENERATOR: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **NO**

RECYCLER: **NO**

TRANSFER FACILITY: **NO**

TRANSPORTER: **NO**

USED OIL FUEL BURNER: **NO**

ONSITE BURNER EXEMPTION: **NO**

USED OIL PROCESSOR: **NO**

FURNACE EXEMPTION: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSFER FACILITY: **NO**

USED OIL TRANSPORTER: **NO**

**COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION**

EVALUATIONS - **NO EVALUATIONS REPORTED -**

VIOLATIONS - **NO VIOLATIONS REPORTED -**

ENFORCEMENTS - **NO ENFORCEMENTS REPORTED -**

**HAZARDOUS WASTE**

**D001 IGNITABLE WASTE**



**Resource Conservation & Recovery Act - Non-Generator Facilities  
(RCRANGR05)**

D001      IGNITABLE WASTE

UNIVERSAL WASTE      - NO UNIVERSAL WASTE REPORTED -

CORRECTIVE ACTION AREA      - NO CORRECTIVE ACTION AREA INFORMATION REPORTED -

CORRECTIVE ACTION EVENT      - NO CORRECTIVE ACTION EVENT REPORTED -

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## Water Discharge Permits (WDP)

**MAP ID# 4**

Distance from Property: 0.12 mi. E

### **FACILITY INFORMATION**

SITE ID: 69261661

SITE NAME: FLUKE THERMOGRAPHY

ADDRESS: 3550 ANNAPOLIS LN N 70

PLYMOUTH, MN 55447 HENNEPIN

PDF URL: [http://cf.pca.state.mn.us/wimn/siteInfo\\_print.cfm?siteid=69261661](http://cf.pca.state.mn.us/wimn/siteInfo_print.cfm?siteid=69261661)

### **FACILITY DETAILS**

ID: MNRNE389Y

TYPE: INDUSTRIAL STORMWATER PERMIT

WATERSHED: MISSISSIPPI RIVER - TWIN CITIES

CURRENTLY ACTIVE: YES

INDUSTRY CLASSIFICATION: NOT REPORTED

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## Water Discharge Permits (WDP)

**MAP ID# 5**

Distance from Property: 0.12 mi. SE

### **FACILITY INFORMATION**

SITE ID: 12977

SITE NAME: PLYMOUTH BUSINESS CENTER 5TH ADD

ADDRESS: NE QUAD OF FERNBROOK LN & 34TH AVE

PLYMOUTH, MN 55447 HENNEPIN

PDF URL: [http://cf.pca.state.mn.us/wimn/siteInfo\\_print.cfm?siteid=12977](http://cf.pca.state.mn.us/wimn/siteInfo_print.cfm?siteid=12977)

### **FACILITY DETAILS**

ID: C00005584

TYPE: CONSTRUCTION STORMWATER PERMIT

WATERSHED: MISSISSIPPI RIVER - TWIN CITIES

CURRENTLY ACTIVE: NO

INDUSTRY CLASSIFICATION: MOTOR VEHICLE PARTS, USED

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## Registered Leaking Storage Tanks (LUAST)

**MAP ID# 6**

Distance from Property: 0.25 mi. NE

### **SITE INFORMATION**

GEOSEARCH ID: 5859LUAST

LEAK ID: 5859

NAME: CHARLOTTE BECK RESIDENCE

ADDRESS: 3800 FERNBROOK LN  
PLYMOUTH, MN 55447

RELEASE DISCOVERED: 10/29/1992

RELEASE REPORT: 10/29/1992

CONDITIONAL CLOSURE DATE: NOT REPORTED

COMPLETE SITE CLOSURE DATE: 10/11/1993

COMTAMINATED SOILS REMAINING: YES

OFFSITE COMTAMINATION: UNKNOWN

PRODUCT RELEASED: FUEL OIL 1 & 2

WEBSITE LINK:

[http://cf.pca.state.mn.us/programs/lust\\_pResults2.cfm?leak=5859&pg=LS](http://cf.pca.state.mn.us/programs/lust_pResults2.cfm?leak=5859&pg=LS)

### **GROUND WATER**

DRINKING WATER CONTAMINATION: NOT REPORTED

FREE PRODUCT OBSERVED: NO

FREE PRODUCT THICKNESS: NOT REPORTED

GROUNDWATER CONTAMINATION: NO

### **CLEANUP ACTIONS**

- NO CLEANUP ACTIONS REPORTED

INTEREST TYPE:

LAST UPDATE:

LEAK SITE

11/10/2014

DELETED LEAK SITE

11/17/2006

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## Registered Leaking Storage Tanks (LUAST)

**MAP ID# 7**

Distance from Property: 0.47 mi. SW

### **SITE INFORMATION**

GEOSEARCH ID: 3973LUAST

LEAK ID: 3973

NAME: US POSTAL SERVICE/PLYMOUTH BRANCH

ADDRESS: 3300 PLYMOUTH BLVD

MINNEAPOLIS, MN 55447-9998

RELEASE DISCOVERED: 05/21/1992

RELEASE REPORT: 06/15/1992

CONDITIONAL CLOSURE DATE: NOT REPORTED

COMPLETE SITE CLOSURE DATE: 01/27/1995

COMTAMINATED SOILS REMAINING: NO

OFFSITE COMTAMINATION: NO

PRODUCT RELEASED: GASOLINE UNLEADED

WEBSITE LINK:

[http://cf.pca.state.mn.us/programs/lust\\_pResults2.cfm?leak=3973&pg=LS](http://cf.pca.state.mn.us/programs/lust_pResults2.cfm?leak=3973&pg=LS)

### **GROUND WATER**

DRINKING WATER CONTAMINATION: NO

FREE PRODUCT OBSERVED: NO

FREE PRODUCT THICKNESS: NOT REPORTED

GROUNDWATER CONTAMINATION: YES

### **CLEANUP ACTIONS**

CODE: LEAK ACTION DESCRIPTION:

21 RI MONITORING

APPROVAL DATE: NOT REPORTED

BEGIN DATE: 06/01/1993

END DATE: 11/15/1993

PRODUCT RECOVERED IN GALLONS: NOT REPORTED

PRODUCT REMOVED IN GALLONS: NOT REPORTED

TREATED WATER IN GALLONS: NOT REPORTED

INTEREST TYPE:

LAST UPDATE:

LEAK SITE

11/10/2014

DELETED LEAK SITE

11/14/2006

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## Unpermitted Dump Sites (UNPERMDUMPS)

[MAP ID# 8](#)

Distance from Property: 0.50 mi. S

### **FACILITY INFORMATION**

MPCA ID: 173449

SITE NAME: ST. LOUIS PARK MUNICIPAL DUMP

ADDRESS: SEE LOCATION DESCRIPTION

ST. LOUIS PARK, MN 55426 HENNEPIN

### **FACILITY DETAILS**

ID: REM05075

ACTIVITY: UNPERMITTED DUMP SITE

WATERSHED: MISSISSIPPI RIVER - TWIN CITIES

STATUS: NO

SITE URL: [http://cf.pca.state.mn.us/wimn/siteInfo\\_print.cfm?siteid=173449](http://cf.pca.state.mn.us/wimn/siteInfo_print.cfm?siteid=173449)

INDUSTRY CLASSIFICATION: NOT REPORTED

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## State Assessment Sites (SAS)

**MAP ID# 8**

Distance from Property: 0.50 mi. S

### **FACILITY INFORMATION**

SITE ID: 173449

SITE NAME: ST. LOUIS PARK MUNICIPAL DUMP

ADDRESS: NOT REPORTED

ST. LOUIS PARK, MN 55426 HENNEPIN

### **FACILITY DETAILS**

ID: SA7653

WATERSHED: MISSISSIPPI RIVER - TWIN CITIES

OWNER NAME: UNKNOWN

TYPE: STATE ASSESSMENT SITE

ACTIVE?: NO

SITE URL: [http://cf.pca.state.mn.us/wimn/siteinfo\\_print.cfm?siteid=173449](http://cf.pca.state.mn.us/wimn/siteinfo_print.cfm?siteid=173449)

INDUSTRY CLASSIFICATION: NOT REPORTED

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## State Assessment Sites (SAS)

**MAP ID# 9**

Distance from Property: 0.71 mi. E

### **FACILITY INFORMATION**

SITE ID: 67321189

SITE NAME: ANCHOR BANK - PLYMOUTH

ADDRESS: 3950 VINEWOOD LN N

PLYMOUTH, MN 55441 HENNEPIN

### **FACILITY DETAILS**

ID: SA109

WATERSHED: MISSISSIPPI RIVER - TWIN CITIES

OWNER NAME: ANCHOR BANK - PLYMOUTH

TYPE: STATE ASSESSMENT SITE

ACTIVE?: YES

SITE URL: [http://cf.pca.state.mn.us/wimn/siteinfo\\_print.cfm?siteid=67321189](http://cf.pca.state.mn.us/wimn/siteinfo_print.cfm?siteid=67321189)

INDUSTRY CLASSIFICATION: NOT REPORTED

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## State Assessment Sites (SAS)

**MAP ID# 10**

Distance from Property: 0.74 mi. S

### **FACILITY INFORMATION**

SITE ID: 71778

SITE NAME: TEMROC METALS INC

ADDRESS: 2735 CHESHIRE LN N  
PLYMOUTH, MN 55447 HENNEPIN

### **FACILITY DETAILS**

ID: SA1243

WATERSHED: MISSISSIPPI RIVER - TWIN CITIES

OWNER NAME: TEMROC METALS INC

TYPE: STATE ASSESSMENT SITE

ACTIVE?: NO

SITE URL: [http://cf.pca.state.mn.us/wimn/siteinfo\\_print.cfm?siteid=71778](http://cf.pca.state.mn.us/wimn/siteinfo_print.cfm?siteid=71778)

INDUSTRY CLASSIFICATION: ALUMINUM EXTRUDED PRODUCTS

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## State Assessment Sites (SAS)

**MAP ID# 11**

Distance from Property: 0.80 mi. S

### **FACILITY INFORMATION**

SITE ID: 907

SITE NAME: AACRON INC

ADDRESS: 2705 CHESHIRE LN N

PLYMOUTH, MN 55447 HENNEPIN

### **FACILITY DETAILS**

ID: SA1132

WATERSHED: MISSISSIPPI RIVER - TWIN CITIES

OWNER NAME: AACRON INC

TYPE: STATE ASSESSMENT SITE

ACTIVE?: NO

SITE URL: [http://cf.pca.state.mn.us/wimn/siteinfo\\_print.cfm?siteid=907](http://cf.pca.state.mn.us/wimn/siteinfo_print.cfm?siteid=907)

INDUSTRY CLASSIFICATION: ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

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## ***Unlocatable Summary***

*This list contains sites that could not be mapped due to limited or incomplete address information.*

*No Records Found*



## ***Environmental Records Definitions - FEDERAL***

**AIRSAFS** Aerometric Information Retrieval System / Air Facility Subsystem

VERSION DATE: 10/20/14

The United States Environmental Protection Agency (EPA) modified the Aerometric Information Retrieval System (AIRS) to a database that exclusively tracks the compliance of stationary sources of air pollution with EPA regulations: the Air Facility Subsystem (AFS). Since this change in 2001, the management of the AIRS/AFS database was assigned to EPA's Office of Enforcement and Compliance Assurance.

**BRS** Biennial Reporting System

VERSION DATE: 12/31/11

The United States Environmental Protection Agency (EPA), in cooperation with the States, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The Biennial Report captures detailed data on the generation of hazardous waste from large quantity generators and data on waste management practices from treatment, storage and disposal facilities. Currently, the EPA states that data collected between 1991 and 1997 was originally a part of the defunct Biennial Reporting System and is now incorporated into the RCRAInfo data system.

**CDL** Clandestine Drug Laboratory Locations

VERSION DATE: 07/02/15

The U.S. Department of Justice ("the Department") provides this information 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. The Department does not establish, implement, enforce, or certify compliance with clean-up or remediation standards for contaminated sites; the public should contact a state or local health department or environmental protection agency for that information.

**DOCKETS** EPA Docket Data

VERSION DATE: 12/22/05

The United States Environmental Protection Agency Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards by facility and location. Please refer to ICIS database as source of current data.

**EC** Federal Engineering Institutional Control Sites

VERSION DATE: 01/14/15

This database includes site locations where Engineering and/or Institutional Controls have been identified as part

## ***Environmental Records Definitions - FEDERAL***

of a selected remedy for the site as defined by United States Environmental Protection Agency official remedy decision documents. A site listing does not indicate that the institutional and engineering controls are currently in place nor will be in place once the remedy is complete; it only indicates that the decision to include either of them in the remedy is documented as of the completed date of the document. Institutional controls are actions, such as legal controls, that help minimize the potential for human exposure to contamination by ensuring appropriate land or resource use. Engineering controls include caps, barriers, or other device engineering to prevent access, exposure, or continued migration of contamination.

**ERNSMN** Emergency Response Notification System

VERSION DATE: 05/10/15

This National Response Center database contains data on reported releases of oil, chemical, radiological, biological, and/or etiological discharges into the environment anywhere in the United States and its territories. The data comes from spill reports made to the U.S. Environmental Protection Agency, U.S. Coast Guard, the National Response Center and/or the U.S. Department of Transportation.

**FRSMN** Facility Registry System

VERSION DATE: 09/30/14

The United States Environmental Protection Agency's Office of Environmental Information (OEI) developed the Facility Registry System (FRS) as the centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. The Facility Registry System replaced the Facility Index System or FINDS database.

**HMIRSR05** Hazardous Materials Incident Reporting System

VERSION DATE: 06/21/15

The HMIRS database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation located in EPA Region 5. Region 5 includes the following states: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin.

**ICIS** Integrated Compliance Information System (formerly DOCKETS)

VERSION DATE: 10/20/14

ICIS is a case activity tracking and management system for civil, judicial, and administrative federal Environmental Protection Agency enforcement cases. ICIS contains information on federal administrative and federal judicial cases under the following environmental statutes: the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, the Emergency Planning and Community Right-to-Know Act - Section 313, the Toxic Substances Control Act, the Federal Insecticide, Fungicide, and Rodenticide Act, the Comprehensive Environmental Response, Compensation, and Liability Act, the Safe Drinking Water Act, and the Marine Protection, Research, and Sanctuaries Act.



## **Environmental Records Definitions - FEDERAL**

**ICISNPDES** Integrated Compliance Information System National Pollutant Discharge Elimination System  
VERSION DATE: 10/20/14

In 2006, the Integrated Compliance Information System (ICIS) - National Pollutant Discharge Elimination System (NPDES) became the NPDES national system of record for select states, tribes and territories. ICIS-NPDES is an information management system maintained by the United States Environmental Protection Agency's Office of Compliance to track permit compliance and enforcement status of facilities regulated by the NPDES under the Clean Water Act. ICIS-NPDES is designed to support the NPDES program at the state, regional, and national levels.

**LUCIS** Land Use Control Information System  
VERSION DATE: 09/01/06

The LUCIS database is maintained by the U.S. Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

**MLTS** Material Licensing Tracking System  
VERSION DATE: 04/14/14

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to the United States Nuclear Regulatory Commission (NRC) licensing requirements.

**NPDES05** National Pollutant Discharge Elimination System  
VERSION DATE: 04/01/07

Information in this database is extracted from the Water Permit Compliance System (PCS) database which is used by United States Environmental Protection Agency to track surface water permits issued under the Clean Water Act. This database includes permitted facilities located in EPA Region 5. This region includes the following states: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin. The NPDES database was collected from December 2002 until April 2007. Refer to the PCS and/or ICIS-NPDES database as source of current data.

**PADS** PCB Activity Database System  
VERSION DATE: 07/01/14

The PCB Activity Database System (PADS) is used by the United States Environmental Protection Agency to monitor the activities of polychlorinated biphenyls (PCB) handlers.

**PCSR05** Permit Compliance System  
VERSION DATE: 08/01/12

## ***Environmental Records Definitions - FEDERAL***

The Permit Compliance System is used in tracking enforcement status and permit compliance of facilities controlled by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act and is maintained by the United States Environmental Protection Agency's Office of Compliance. PCS is designed to support the NPDES program at the state, regional, and national levels. This database includes permitted facilities located in EPA Region 5. This region includes the following states: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin. PCS has been modernized, and no longer exists. National Pollutant Discharge Elimination System (ICIS-NPDES) data can now be found in Integrated Compliance Information System (ICIS).

**RCRASC** RCRA Sites with Controls

VERSION DATE: 05/19/15

This list of Resource Conservation and Recovery Act sites with institutional controls in place is provided by the U.S. Environmental Protection Agency.

**SFLIENS** CERCLIS Liens

VERSION DATE: 06/08/12

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which United States Environmental Protection Agency 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. This database contains those CERCLIS sites where the Lien on Property action is complete.

**SSTS** Section Seven Tracking System

VERSION DATE: 12/08/14

The United States Environmental Protection Agency tracks information on pesticide establishments through the Section Seven Tracking System (SSTS). SSTS records the registration of new establishments and records pesticide production at each establishment. The Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) requires that production of pesticides or devices be conducted in a registered pesticide-producing or device-producing establishment. ("Production" includes formulation, packaging, repackaging, and relabeling.)

**TRI** Toxics Release Inventory

VERSION DATE: 12/31/13

The Toxics Release Inventory, provided by the United States Environmental Protection Agency, includes data on toxic chemical releases and waste management activities from certain industries as well as federal and tribal facilities. This inventory contains information about the types and amounts of toxic chemicals that are released each year to the air, water, and land as well as information on the quantities of toxic chemicals sent to other facilities for further waste management.



## Environmental Records Definitions - FEDERAL

**TSCA** Toxic Substance Control Act Inventory

VERSION DATE: 12/31/06

The Toxic Substances Control Act (TSCA) was enacted in 1976 to ensure that chemicals manufactured, imported, processed, or distributed in commerce, or used or disposed of in the United States do not pose any unreasonable risks to human health or the environment. TSCA section 8(b) provides the United States Environmental Protection Agency authority to "compile, keep current, and publish a list of each chemical substance that is manufactured or processed in the United States." This TSCA Chemical Substance Inventory contains non-confidential information on the production amount of toxic chemicals from each manufacturer and importer site.

**NLRRCRAG** No Longer Regulated RCRA Generator Facilities

VERSION DATE: 06/09/15

This database includes RCRA Generator facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly generated hazardous waste.

Large Quantity Generators: Generate 1,000 kg or more of hazardous waste during any calendar month; or Generate more than 1 kg of acutely hazardous waste during any calendar month; or Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or Generate 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 accumulated more than 100 kg of that material at any time.

Small Quantity Generators: Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.

Conditionally Exempt Small Quantity Generators: Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate 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, or acutely hazardous waste; or Generate 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, or acutely hazardous waste during any calendar month, and accumulate 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.

**RCRAGR05** Resource Conservation & Recovery Act - Generator Facilities

VERSION DATE: 06/09/15

This database includes sites listed as generators of hazardous waste (large, small, and exempt) in the RCRAInfo

## ***Environmental Records Definitions - FEDERAL***

system. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). This database includes sites located in EPA Region 5. This region includes the following states: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin.

**Large Quantity Generators:** Generate 1,000 kg or more of hazardous waste during any calendar month; or Generate more than 1 kg of acutely hazardous waste during any calendar month; or Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or Generate 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 accumulated more than 100 kg of that material at any time.

**Small Quantity Generators:** Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.

**Conditionally Exempt Small Quantity Generators:** Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate 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, or acutely hazardous waste; or Generate 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, or acutely hazardous waste during any calendar month, and accumulate 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.

### **RCRANGR05**

Resource Conservation & Recovery Act - Non-Generator Facilities

VERSION DATE: 06/09/15

This database identifies RCRAInfo system sites that only handle hazardous waste, such as transporters, without generating any amount hazardous waste. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). This database includes sites located in EPA Region 5. This region includes the following states: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin.

### **HISTPST**

Historical Gas Stations

VERSION DATE: NR

This historic directory of service stations is provided by the Cities Service Company. The directory includes



## ***Environmental Records Definitions - FEDERAL***

Cities Service filling stations that were located throughout the United States in 1930.

**BF** Brownfields Management System

VERSION DATE: 07/13/15

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. The United States Environmental Protection Agency maintains this database to track activities in the various brown field grant programs including grantee assessment, site cleanup and site redevelopment. This database included tribal brownfield sites.

**CERCLIS** Comprehensive Environmental Response, Compensation & Liability Information System

VERSION DATE: 10/25/13

CERCLIS is the repository for site and non-site specific Superfund information in support of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). This United States Environmental Protection Agency database contains an extract of sites that have been investigated or are in the process of being investigated for potential environmental risk. In 2014, the Superfund Program implemented a new information system, the Superfund Enterprise Management System (SEMS). Efforts to migrate data to SEMS and to enhance data quality control are now in the final stages. The Program will continue to rely on the final CERCLIS data set (dated November 12, 2013, which reflects official end of Fiscal Year 2013 Program progress) for public reporting until a complete and accurate SEMS data set is available.

**DNPL** Delisted National Priorities List

VERSION DATE: 07/22/15

This database includes sites from the United States Environmental Protection Agency's Final National Priorities List (NPL) where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

**NFRAP** No Further Remedial Action Planned Sites

VERSION DATE: 10/25/13

This database includes sites which have been determined by the United States Environmental Protection Agency, following preliminary assessment, to no longer pose a significant risk or require further activity under CERCLA. After initial investigation, no contamination was found, contamination was quickly removed or contamination was not serious enough to require Federal Superfund action or NPL consideration.

**NLRRCRAT** No Longer Regulated RCRA Non-CORRACTS TSD Facilities

VERSION DATE: 06/09/15

## ***Environmental Records Definitions - FEDERAL***

This database includes RCRA Non-Corrective Action TSD facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly treated, stored or disposed of hazardous waste.

**ODI** Open Dump Inventory

VERSION DATE: 06/01/85

The open dump inventory was published by the United States Environmental Protection Agency. An "open dump" is defined as a facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944) and which is not a facility for disposal of hazardous waste. This inventory has not been updated since June 1985.

**RCRAT** Resource Conservation & Recovery Act - Treatment, Storage & Disposal Facilities

VERSION DATE: 06/09/15

This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste in the RCRAInfo system. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

**DOD** Department of Defense Sites

VERSION DATE: 06/21/10

This information originates from the National Atlas of the United States Federal Lands data, which includes lands owned or administered by the Federal government. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

**FUDS** Formerly Used Defense Sites

VERSION DATE: 06/01/15

The 2012 Formerly Used Defense Sites (FUDS) inventory includes properties previously owned by or leased to the United States and under Secretary of Defense Jurisdiction, as well as Munitions Response Areas (MRAs). The remediation of these properties is the responsibility of the Department of Defense. This data is provided by the U.S. Army Corps of Engineers (USACE), the boundaries/polygon data are based on preliminary findings and not all properties currently have polygon data available. **DISCLAIMER:** This data represents the results of data collection/processing for a specific USACE activity and is in no way to be considered comprehensive or to be used in any legal or official capacity as presented on this site. While the USACE has made a reasonable effort to insure the accuracy of the maps and associated data, it should be explicitly noted that USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein. For additional information on Formerly Used



## ***Environmental Records Definitions - FEDERAL***

Defense Sites please contact the USACE Public Affairs Office at (202) 528-4285.

**NLRRCRAC** No Longer Regulated RCRA Corrective Action Facilities

VERSION DATE: 06/09/15

This database includes RCRA Corrective Action facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements.

**NPL** National Priorities List

VERSION DATE: 07/22/15

This database includes United States Environmental Protection Agency (EPA) National Priorities List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.

**PNPL** Proposed National Priorities List

VERSION DATE: 07/22/15

This database contains sites proposed to be included on the National Priorities List (NPL) in the Federal Register. The United States Environmental Protection Agency investigates these sites to determine if they may present long-term threats to public health or the environment.

**RCRAC** Resource Conservation & Recovery Act - Corrective Action Facilities

VERSION DATE: 06/09/15

This database includes all hazardous waste sites with ongoing corrective action activity and where corrective action is statutorily required to be address but have not had corrective action imposed in the RCRAInfo system. The Corrective Action Program requires owners or operators of RCRA facilities (or treatment, storage, and disposal facilities) to investigate and cleanup contamination in order to protect human health and the environment. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

**RCRASUBC** Resource Conservation & Recovery Act - Subject to Corrective Action Facilities

VERSION DATE: 06/09/15

This database includes hazardous waste sites which are potentially subject to corrective action regardless of whether they have correction action underway, plus any sites showing a corrective action event of RFI or beyond in the RCRAInfo system. Sites conducting corrective action under analogous state authorities are also included. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information

## ***Environmental Records Definitions - FEDERAL***

system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

**RODS**                      Record of Decision System

VERSION DATE: 07/01/13

These decision documents maintained by the United States Environmental Protection Agency describe the chosen remedy for NPL (Superfund) site remediation. They also include site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, and scope and role of response action.



## **Environmental Records Definitions - STATE (MN)**

**AIRS** Permitted Air Facilities

VERSION DATE: 07/15/15

This database contains facilities with air permits issued by the by the Minnesota Pollution Control Agency. These permits identify the units at each facility that generate air pollutants and, where applicable, the limits on those emissions. In some cases a permit may also authorize construction or modification of a facility.

**CDL** Clandestine Drug Laboratory Locations

VERSION DATE: 07/21/15

This listing of clandestine methamphetamine laboratories is provided by the Minnesota Department of Health. Each meth lab, spill or dump is a potential hazardous waste site, requiring assessment and remediation by experienced and qualified personnel. Former meth lab sites are being cleaned (or remediated) in many Minnesota communities. In these communities, the cleanups are being guided by city and county ordinances, local housing laws, and Minnesota Statute 145A, the Public Health Nuisance Statute.

**IC** Sites with Institutional Controls

VERSION DATE: 05/13/15

Institutional controls are defined by Minnesota Statute, Section 115B.02, subdivision 9a, as legally enforceable restrictions, conditions, or controls on the use of real property, ground water, or surface water located at or adjacent to a facility where response actions are taken that are reasonably required to assure that the response actions are protective of public health or welfare or the environment. Institutional controls include restrictions, conditions, or controls enforceable by contract, easement, restrictive covenant, statute, ordinance, or rule, including official controls such as zoning, building codes, and official maps. An affidavit required under section 115B.16, subdivision 2, or similar notice of a release recorded with real property records is also an institutional control.

**PCASPILLS** Spills Listing

VERSION DATE: 07/01/15

The Minnesota Pollution Control Agency's Emergency Response Team maintains this listing of reported petroleum product, hazardous substance, and/or other spills.

**SWUP** Solid Waste Utilization Projects

VERSION DATE: 07/15/15

According to the Minnesota Pollution Control Agency, a solid waste utilization project uses certain wastes in a new way to recycle the material instead of putting it into a landfill. An example is using tires to create furniture. The beneficial use of waste products saves landfill capacity for materials that do not have alternative uses. By using solid waste, individuals and organizations can reduce disposal costs, or even generate profit through the sale of materials that have a beneficial use.

## Environmental Records Definitions - STATE (MN)

**TIERII** Tier Two Facility Listing

VERSION DATE: 04/07/15

The Minnesota Department of Public Safety's Emergency Planning and Community Right-to-Know Act Program (EPCRA) maintains this listing of Tier Two facilities which store hazardous chemicals on-site. These facilities subject to EPCRA reporting submit Tier II forms which provide information such as the Material Safety Data Sheet (MSDS) chemical or common name, emergency contact information, approximate amount of chemical stored, along with the location of the chemical at the facility.

**FEEDLOT** Feedlots

VERSION DATE: 07/15/15

Feedlots may be small farms or large-scale commercial livestock operations. They are places where animals are confined for feeding, breeding or holding. The Minnesota Pollution Control Agency (MPCA) and its county partners place requirements on how manure is managed at feedlots, so that it does not contaminate nearby surface water and groundwater.

**HWGS** Hazardous Waste Generator Sites

VERSION DATE: 12/22/14

The Minnesota Pollution Control Agency (MPCA) provides this list of active and inactive Hazardous Waste Generator Sites, including large quantity and small to minimal quantity generators. A large quantity generator (LQG) is a facility that generates at least 1,000 kilograms (2,200 pounds) of hazardous waste or 1 kilogram (2.2 pounds) of acutely hazardous waste per calendar month. An MPCA permit is not required for a large quantity generator, but the facility must have a current hazardous waste license. A small to minimal quantity generator is a facility that generates less than 1,000 kilograms (2,200 pounds) of hazardous waste or 1 kilogram (2.2 pounds) of acutely hazardous waste per calendar month. These facilities have less stringent rules than large quantity generators. This group includes Small Quantity Generators (SQGs), which produce 100 - 1000 kg of hazardous waste per month; Very Small Quantity Generators (VSQGs), which produce less than 100 kg of hazardous waste per month; and Conditionally Exempt Generators, which produce less than 100 kg or 10 gallons of hazardous waste per year. Like large quantity generators, SQGs and VSQGs must have current hazardous waste licenses.

**WDP** Water Discharge Permits

VERSION DATE: 07/15/15

This Minnesota Pollution Control Agency (MPCA) database includes the following types of water permits: Construction Stormwater Permits, Construction Stormwater Site Subdivisions, Industrial Stormwater Permits, MS4 Projects, and Wastewater Dischargers. A construction stormwater permit is designed to limit pollution during and after construction by controlling the erosion associated with construction activities. A construction stormwater site subdivision is a site where a construction project with an existing stormwater permit has been sub-divided into smaller parcels. Industrial stormwater permits are designed to limit the amount of harmful contaminants that reach surface water and groundwater, by requiring good practices for storing and handling



## **Environmental Records Definitions - STATE (MN)**

materials. A Municipal Separate Storm Sewer System (MS4) is a system of conveyances - such as gutters, ditches, city streets and storm drains - which is used as a path for stormwater. Regulated MS4s cover large areas, and are owned or operated by a public entity such as a city, county, township, watershed district or university. A wastewater discharger is a facility that generates or treats wastewater for discharge onto land or into water.

**BULKSTORAGE** Bulk Storage Permits

VERSION DATE: 07/23/15

The Minnesota Department of Agriculture's Licensing Information System (LIS) lists individuals or companies who hold licenses, certificates and/or permits required by state law and regulated by the Department. This database only contains those LIS licenses related to anhydrous ammonia storage facilities and bulk pesticide/fertilizer storage facilities. Please note the data is real time and therefore constantly changing.

**CLEANERS** Registered Drycleaning Facilities

VERSION DATE: 10/05/10

The Minnesota Pollution Control Agency maintains this listing of registered dry cleaning facilities.

**UAST** Registered Storage Tanks

VERSION DATE: 07/01/15

The Registered Storage Tanks Database provides information on aboveground and underground storage tanks registered with the Minnesota Pollution Control Agency. Owners of USTs and ASTs with a capacity of 500 gallons or more which contain petroleum or hazardous substances must notify the MPCA of the existence of these tanks. Tanks not subject to notification include farm and residential motor fuel tanks less than 1,100 gallons; heating oil tanks less than 1,100 gallons; flow-through process tanks; septic tanks; and agricultural chemical tanks.

**AGSPILLS** Agricultural Spills Listing

VERSION DATE: 04/24/15

This list of reported spill incidents is provided by the Minnesota Department of Agriculture (MDA). The MDA is the lead agency for response to, and cleanup of, agricultural chemical contamination (pesticides and fertilizers) in Minnesota. The MDA has grouped these spills into three categories: Old Emergencies, Small Spills and Investigations, and Investigations Boundaries. Old Emergencies represent emergencies which were closed prior to March 1, 2004. These files and the locations plotted have not been reviewed for accuracy and completeness. Small Spills and Investigations represent the location of small spills and investigations, which were closed after March 1, 2004. Investigation Boundaries represent the approximate extent of large spills and other types of facility investigations. Facility Investigations are further subdivided into the following program areas: Awaiting Prioritization Investigation files of known or potential agricultural chemical contamination that are waiting to be prioritized; Prioritized Investigation files of known or potential agricultural chemical contamination that have been prioritized and are awaiting activation; Comprehensive Facility Investigation / MERLA Investigation files of known

## **Environmental Records Definitions - STATE (MN)**

or potential agricultural chemical contamination that have been activated in MDA's Comprehensive Facility Investigation Program or are active Superfund sites under MDA's oversight; AgVIC Investigation files of known or potential agricultural chemical contamination that have enrolled in the MDA's Agricultural Voluntary Investigation and Cleanup (AgVIC) Program; and Agricultural Chemical Emergency Response Investigation files that were reported as emergency spills of agricultural chemicals and are large enough in size to be represented by a polygon.

**CAFO** Concentrated Animal Feeding Operations

VERSION DATE: 06/30/15

A Concentrated Animal Feeding Operation (CAFO) is any feeding operation with a capacity of 1,000 or more animal units according to federal animal unit calculations. The Minnesota Pollution Control Agency can also define a facility with less than 1,000 animal units as a CAFO on a case-by-case basis, depending on site conditions, and if manure or process wastewater is directly discharged to waters of the state. Facilities that are CAFOs must comply with both federal regulations and state rules. Two or more feedlots under common ownership are considered a single facility if they adjoin each other or use the same manure storage or disposal system.

**CERCLIS** CERCLIS Sites

VERSION DATE: 07/15/15

CERCLIS sites are places that are listed in the federal Comprehensive Environmental Response, Compensation and Liability Information System. This means that they are or were suspected of being contaminated. The CERCLIS database contains information on preliminary assessments, site inspections, and cleanup activities for these sites. After CERCLIS sites are investigated, they may be elevated to state or federal Superfund lists, or it may be determined that no action is necessary. This database is provided by the Minnesota Pollution Control Agency.

**CLF** Closed Landfills

VERSION DATE: 07/15/15

The Minnesota Pollution Control Agency Closed Landfill Program (CLP) is a voluntary program established by the legislature in 1994 to properly close, monitor, and maintain Minnesota's closed municipal sanitary landfills. Any MPCA-permitted mixed-municipal solid waste landfill that stopped accepting mixed municipal solid waste (MMSW) by April 9, 1994, and demolition debris before May 1, 1995, can qualify for application to this program.

**CONTINGENCIES** Agricultural Contingency Sites

VERSION DATE: 04/24/15

The Minnesota Department of Agriculture (MDA) Incident Response Unit (IRU) is the state lead agency for the investigation and remediation of incidents involving agricultural chemicals (pesticides and fertilizer). This MDA IRU database includes sites with a soil or ground water contingency, deed restriction, local ordinance, restrictive covenant or deed affidavit in place. The accuracy of



## ***Environmental Records Definitions - STATE (MN)***

these sites can be variable. In most cases, the site boundaries should be considered as only representing the vicinity of the soil or ground water contingency area or plume.

**HWSTSD** Hazardous Waste Treatment Storage Disposal Sites

VERSION DATE: 12/22/14

A hazardous waste Treatment Storage and /or Disposal facility (TSD) is any business designed to treat, store and / or dispose of hazardous waste. These facilities typically collect hazardous wastes for other businesses and treat it or dispose of it properly. TSD facilities must have valid operating permits issued by the Minnesota Pollution Control Agency (MPCA). This means that they are required to develop detailed plans to train and protect their workers and the environment. This database contains active and inactive TSD facilities.

**LUAST** Registered Leaking Storage Tanks

VERSION DATE: 07/01/15

The Minnesota Pollution Control Agency maintains this listing of leaking aboveground and underground storage tanks. Tank owners are required to immediately report a leak or spill of more than five gallons of petroleum, or any amount of a hazardous substance, from any tank or piping. All leaks and spills from USTs and ASTs and associated piping must be cleaned up to protect the environment and public health.

**PBF** Petroleum Brownfields Program Sites

VERSION DATE: 07/15/15

This listing of Petroleum Brownfield sites, including those with Development Response Action Plans dated between 2008 and 2012, is provided by the Minnesota Pollution Control Agency (MPCA). The Petroleum Brownfields Program (formerly VPIC) provides the technical assistance and liability assurance needed to facilitate and expedite the development, transfer, investigation and/or cleanup of property that is contaminated with petroleum. Even after cleanup or MPCA file closure most properties will have contamination remaining. State law requires that persons properly manage contaminated soil and water they uncover or disturb - even if they are not the party responsible for the contamination. Property owners, purchasers or developers of property where contaminated soil or water might be encountered may include provisions - called "response actions" - in development plans describing how petroleum contaminated soil and water will be managed if encountered. For some properties, special construction might be needed to prevent the further spreading of the contamination and/or to prevent petroleum vapors from entering buildings or utility access shafts.

**PBRLF** Permitted By Rule Landfills

VERSION DATE: 07/15/15

According to the Minnesota Pollution Control Agency, a landfill that is permitted by rule is not required to obtain an individual solid waste permit if it meets certain eligibility criteria. However, it must comply with waste management rules and regulations. Landfills may be permitted by rule if they have a small capacity and/or operate for a short period of time.

## **Environmental Records Definitions - STATE (MN)**

**PVICP** Potential Voluntary Investigation and Cleanup Program Sites

VERSION DATE: 05/13/15

This listing of Potential Voluntary Investigation and Cleanup Program sites is provided by the Minnesota Pollution Control Agency. These potential sites have not yet entered into the VIC Program until an application has been received at the MPCA.

**RECYCLERS** Recycling Markets Directory

VERSION DATE: 02/14/13

The Recycling Markets Directory is provided by the Minnesota Pollution Control Agency. The markets in this database accept large (commercial) quantities of materials.

**SRS** Site Response Section Database

VERSION DATE: 05/13/15

The Minnesota Pollution Control Agency (MPCA) is involved in remediation activities through various programs. Remediation is the process of cleaning up pollution in the soil, water or air. The pollution can result from an accidental spill or from activities that occur over a long time. This MPCA database includes remediation sites from the Superfund, Voluntary Investigation and Cleanup, Brownfields, Resource Conservation and Recovery Act, Tanks, Landfills, and Emergency Response Programs.

**SWF** Open Solid Waste Facilities

VERSION DATE: 07/15/15

Open landfills are regulated by Minnesota Rules 7001 and 7035. They actively accept, under the terms and conditions of a Minnesota Pollution Control Agency permit, certain types of wastes for disposal. They are part of a larger and integrated collection of open solid waste management facilities that process, transfer and receive waste for disposal in Minnesota. Open landfills fall into several categories, which include: demolition, industrial, mixed municipal and municipal waste combustor ash.

**UNPERMDUMPS** Unpermitted Dump Sites

VERSION DATE: 07/15/15

Unpermitted dump sites are landfills that never held a valid permit from the Minnesota Pollution Control Agency (MPCA). Generally, these dumps existed prior to the permitting program established with the creation of the MPCA in 1967. These dumps are not restricted to any type of waste, but were often old farm or municipal disposal sites that accepted household waste. State assessment staff have investigated many of these dump sites.



## ***Environmental Records Definitions - STATE (MN)***

**VICP** Voluntary Investigation and Cleanup Program Sites

VERSION DATE: 05/13/15

The Voluntary Investigation and Cleanup (VIC) Program site listing is provided by the Minnesota Pollution Control Agency. This program encourages timely property transactions by reducing potential health or environmental risks from contamination and promoting the redevelopment of these properties.

**CSTF** Contaminated Soil Treatment Facilities

VERSION DATE: 07/15/15

Contaminated soil treatment facilities are places that the Minnesota Pollution Control Agency (MPCA) has approved or permitted to take petroleum-contaminated soils from leak sites and provide treatment through a number of different processes. The processes include thermal treatment (usually by roasting soils at high temperatures), composting, or thin-spreading soils and allowing natural microorganisms to biodegrade the petroleum.

**HWCS** Hazardous Waste Cleanup Sites

VERSION DATE: 05/13/15

Soil and or groundwater cleanup under RCRA Corrective Action is conducted by the Site Remediation Division of the Minnesota Pollution Control Agency. The Hazardous Waste Treatment, Storage, or Disposal Facilities enter the RCRA corrective action program through the permitting process. Interim Status Facilities enter the RCRA Correction Action Program through a negotiated process initiated by the MPCA (these facilities at one time applied for a RCRA treatment, storage and or disposal permit, but did not complete the permitting process). Hazardous Waste Generators usually enter the RCRA remediation program through evidence of suspected releases to soil and or ground water from improper management of hazardous wastes or hazardous constituents uncovered during hazardous waste inspections conducted by state, county or city inspectors.

**SAS** State Assessment Sites

VERSION DATE: 07/15/15

State Assessment sites are places that Minnesota Pollution Control Agency (MPCA) Site Assessment staff have investigated because of suspected contamination. The sites investigated include abandoned industrial properties, small commercial businesses and publicly-owned land. (Note that petroleum-contaminated sites are investigated by MPCA Tanks and Leaks staff.) These sites may be referred to the Site Assessment program by the Voluntary Investigation and Cleanup (VIC) program, the Petroleum Remediation program, Minnesota Duty Officer reports or citizen complaints. Site Assessment staff do an initial assessment, and then determine if further action is needed. If a site poses a threat to human health or the environment, it is referred to CERCLIS, Superfund, RCRA Cleanup or VIC.

## ***Environmental Records Definitions - STATE (MN)***

**SF** Superfund Site Information Listing

VERSION DATE: 05/13/15

The Minnesota Pollution Control Agency's Superfund Program identifies, investigates and determines appropriate cleanup plans for abandoned or uncontrolled hazardous waste sites where a release or potential release of a hazardous substance poses a risk to human health or the environment. Superfund does not deal with Resource Conservation and Recovery Act (RCRA) sites or petroleum storage tank releases.



## ***Environmental Records Definitions - TRIBAL***

**USTR05**                      Underground Storage Tanks On Tribal Lands

VERSION DATE: 04/01/15

This database, provided by the United States Environmental Protection Agency (EPA), contains underground storage tanks on Tribal lands located in EPA Region 5. Region 5 includes the following states: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin.

**LUSTR05**                      Leaking Underground Storage Tanks On Tribal Lands

VERSION DATE: 04/01/15

This database, provided by the United States Environmental Protection Agency (EPA), contains leaking underground storage tanks on Tribal lands located in EPA Region 5. Region 5 includes the following states: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin.

**ODINDIAN**                      Open Dump Inventory on Tribal Lands

VERSION DATE: 11/08/06

This Indian Health Service database contains information about facilities and sites on tribal lands where solid waste is disposed of, which are not sanitary landfills or hazardous waste disposal facilities, and which meet the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944).

**INDIANRES**                      Indian Reservations

VERSION DATE: 01/01/00

The Department of Interior and Bureau of Indian Affairs maintains this database that includes American Indian Reservations, off-reservation trust lands, public domain allotments, Alaska Native Regional Corporations and Recognized State Reservations.

## **Appendix E**

**City of Plymouth Records**

**(on CD)**





# City of Plymouth

## Illicit Discharge Detection and Elimination Report

### Illicit Discharge Details

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#### 1. Plymouth Ice Center - Xcel Energy Transformer

Latitude:

Longitude:

Discovery Date: 5/28/2015

Discovered By: Police / Fire Responding to accident

Type: Re-active

Wetland 21111-NB01

EAP 04658

5/28/15:

There was a single car crash about 4:45pm on 5/28/15 between a vehicle and the Xcel Energy transformer behind the Plymouth Ice Center. The traffic accident in the back parking lot of the Plymouth Ice Center caused the Xcel Energy transformer to leak all of its mineral oil into the storm system (approx. 329 gallons)

Description:

First responders (Plymouth Fire) installed absorbent booms downstream of the spill site (EAP 04568) to contain any of the mineral oil that was washed during the fire fighting.

Absorbent material was also thrown down on the parking lot to minimize the amount of spilled material that got into the storm system.

Absorbent booms were installed inside of the 2 catch basins downstream from the spill site to soak up spilled oil before it reached the outfall.

5/29/15:

Plymouth Fire (Dave Dreelan) notified Scott Newberger about the spill at 7:00am.

Xcel Energy initiated the clean up efforts during the morning. City of Plymouth staff were on site to supervise the clean up efforts.

Xcel staff contracted with Clean Harbors to install additional absorbent and non absorbent booms and to vactor our the storm system as it was flushed.

City of Plymouth staff opened a fire hydrant to flush out the storm system pipes as Clean Harbors was downstream (directly upstream of the outfall) vactoring out any material. The thought behind this was to flush the mineral oil material and anything it was bound to downstream to be sucked up by the vactor truck. A total of Approximately 1000 gallons of water was used to "clean" the pipes of any oily material.

Clean Harbors and Xcel Energy will remove and dispose of properly the booms, soils and material swept off the parking lot.

A permanent boom will be left at the EAP 04658 for a week or so to collect any residual oils that still remain in the storm system. This material will be cleaned up accordingly before the permanent boom is removed.

Name of Responsible Party:

Address:

Plymouth, MN 55447

Is Illicit Discharge associated with an outfall?:

Yes -

Staff Responsible for Follow Up: Ben Scharenbroich

[Attachment](#)  
[Clean Up Response](#)  
[PIC - Xcel Energy Report](#)





Attachment



Attachment



05-27-2015, 01:15, 45.0378, -93.5187

Attachment



05-27-2015, 01:15, 45.0378, -93.5187

Attachment





Attachment



Attachment



Attachment



## **Appendix F**

### **User Interview**

**(on CD)**

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
USER QUESTIONNAIRE FORM**

**Property :** Plymouth Creek: Hennepin county parcels 16-118-22-43-0001; 21-118-22-12-0011; 22-118-22-22-0017; and 22-118-22-22-0030

**Interviewer (if applicable):**

**Project No.:** 2327051

**Date:** 11-4-15

**User Information:**

Name: Laura Jester

Tel. No.: 952-270-1990

Position Title & Co. BCWMC Administrator

Connection to Property: Representing project proposer, watershed manager for this area

**Introduction**

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must provide the following information (if available) to the environmental professional that will conduct the Environmental Site Assessment (ESA). Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. If your goals include protections afforded by the Act, you should consult with legal counsel as to your responses.

1. Why is the Phase I required and who will rely on the Phase I report (please list lending institutions if they wish to rely on the Phase I ESA)? *Phase I will help determine if possible contamination issues are present and need to be addressed as the BCWMC restoration project is designed and constructed.*
2. Are you aware of any environmental cleanup liens against the Property that are filed or recorded under federal, tribal, state, or local law? If, yes, please describe. *No.*
3. Are you aware of any activity and use limitations\*, such as engineering controls, land use restrictions or institutional controls that are in place at the Property or have been filed or recorded in a registry under federal, tribal, state or local law? If yes, please describe. *No.*

\*activity and use limitations —legal or physical restrictions or limitations on the use of, or access to, a property: (1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or ground water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls, are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or ground water on the property.



4. As the user of this ESA, do you have any knowledge or experience related to the Property or nearby properties? For example, 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 knowledge of the chemicals and processes used by this type of business? If yes, please describe. *No.*
5. Does the purchase price being paid for this Property reasonably reflect the fair market value of an uncontaminated property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Property? *NA – not purchasing property.*
6. Are you aware of information about the Property that would help the environmental professional to identify conditions indicative of releases or threatened releases or hazardous substances or petroleum products? For example, as user:
- a. Do you know the past uses of the Property? If yes, please explain. *No.*
  - b. Do you know of specific chemicals that are present or once were present at the Property? If yes, please explain. *No.*
  - c. Do you know of spills or other chemical releases that have taken place the Property? If yes, please explain. *No.*
  - d. Do you know of any environmental cleanups that have taken place at the Property? If yes, please explain. *No.*
7. As the user of this ESA, based on your knowledge and experience related to the Property, are there any indicators that point to the presence or likely presence of contamination at the Property? *I am not aware of any indicators.*
8. Do any of the following documents exist for the Property? If so, please provide a copy to Barr either prior to, or at the time of, the site reconnaissance.

<i>Document type</i>	<i>Exists – yes or no</i>	<i>Comments</i>
Environmental site assessment reports	<i>NA</i>	<i>I am not aware of any</i>
Environmental compliance audit reports	<i>NA</i>	<i>I am not aware of any</i>
Environmental permits (for example, solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits)	<i>NA</i>	<i>I am not aware of any</i>

<i>Document type</i>	<i>Exists – yes or no</i>	<i>Comments</i>
Registrations for underground and above-ground storage tanks	NA	<i>I am not aware of any</i>
Registrations for underground injection systems	NA	<i>I am not aware of any</i>
Material safety data sheets for chemicals used onsite	NA	<i>I am not aware of any</i>
Community right-to-know plan	NA	<i>I am not aware of any</i>
Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans; etc.	NA	<i>I am not aware of any</i>
Reports regarding hydrogeologic conditions on the Property or surrounding area	NA	<i>I am not aware of any</i>
Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the Property or relating to environmental liens encumbering the Property	NA	<i>I am not aware of any</i>
Hazardous waste generator notices or reports	NA	<i>I am not aware of any</i>
Geotechnical studies for building foundations, etc.	NA	<i>I am not aware of any</i>
Risk assessments	NA	<i>I am not aware of any</i>
Title search	NA	<i>I am not aware of any</i>
Boundary survey of the Property	NA	<i>I am not aware of any</i>

**9.** Do you know of:

- i. Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Property? If yes, please explain. *No.*
- ii. Any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the Property? If yes, please explain. *No.*
- iii. Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products associated with the Property? If yes, please explain. *No.*



**Appendix G**

**Qualifications**

**(on CD)**

# Appendix G Qualifications

## Company Information

Barr provides a wide range of engineering and scientific consulting services. Barr traces its origins to the early 1900s, and was incorporated as an employee-owned firm in 1966. Our company, which is based in Minneapolis, has gained the confidence of clients throughout the upper Midwest and the nation, including industries, utilities, law firms, and all levels of government.

Barr has branch offices in Duluth and Hibbing, Minnesota; Jefferson City, Missouri; Ann Arbor, Michigan, and Bismarck, North Dakota. Drawing upon skills in more than two dozen technical areas, our staff is able to form multidisciplinary teams to meet those needs in the areas of:

- Solid and hazardous waste management and site remediation
- Water resources management
- Environmental management
- Air quality
- Process and materials handling
- Facilities and infrastructure engineering
- Information technology

Barr employs approximately 450 engineers, scientists, and support staff in the following disciplines:

<b>Engineering/Design</b>	<b>Science</b>	<b>Support Services</b>
Agricultural	Atmospheric Science	Accounting
Architectural	Biology	Computer Science
Chemical	Biochemistry	Drafting/Graphics
Civil	Chemistry	Field Operations
Electrical	Data QA/QC	Laboratory Operations
Environmental	Epidemiology	Library Science
Geologic	Forestry	Information Management
Geotechnical	Geochemistry	Public Relations
Hydraulic	Geology	Surveying
Hydrologic	Geophysics	Technical Writing
Mechanical	Hydrogeology	Word Processing
Structural	Industrial Hygiene	
Water Resources	Public Health	
	Soil Science	
	Toxicology	

Barr uses a project team approach that matches our expertise with the unique requirements of each project. Overall responsibility for each project is maintained by an officer of the company. Barr



uses computer and data processing systems to manage and monitor budgets, staff workloads, and billings for all projects.

Quality control on each project is the responsibility of every member of the project team. Reports, designs, and specifications are prepared to meet the client's requirements. Barr's quality assurance program includes:

- Obtaining clear and complete understanding of the client's needs
- Communication among team members and with the client as work progresses
- Peer review as the work progresses
- Evaluation of completed documents for technical accuracy and cost-effectiveness

## Qualifications and Experience – Environmental Site Assessments

Barr conducts environmental site assessments for a wide variety of clients involved in property and business transactions. Clients include cities, attorneys, developers, and private and public parties interested in selling, purchasing, or redeveloping property.

Barr has specialized in the investigation and design of remedial actions for contaminated sites since the early 1970s. Our company has completed hundreds of site investigations, feasibility studies, and remedial action designs. This experience includes work on most of the larger contaminated sites in Minnesota as well as numerous smaller sites. Barr has been a primary consultant on about two-thirds of the EPA National Priority List sites in Minnesota and has been involved in either a primary or secondary role on about half of the sites listed by the state of Minnesota. Barr's work on virtually all of these sites has been on behalf of potentially responsible parties. We have worked on contaminated sites in many other states as well.

Many projects are initiated by clients who are buying or selling property or who are required to conduct an environmental site assessment for financing purposes. Other projects are initiated by clients who suspect that contamination may be present on a site. Still other projects are in response to orders from regulatory agencies. Many of these projects involve a state voluntary cleanup program. Barr works for clients in both the public and private sectors, and clients range from major industries to state and federal agencies.

Barr has worked on a variety of properties, including:

- Steel and coke manufacturing
- Wood treating
- Petroleum refining
- Manufacturing (paint waste/spent solvents)
- Coal gasification
- Mining and mineral processing
- Petroleum product storage (above and below ground)
- Metal plating
- Scrapyards
- Landfills
- Fly and bottom ash
- Permitted and nonpermitted waste disposal facilities

Barr staff is familiar with a wide range of industrial practices and we provide environmental and waste management consulting to many industries. The resumes of the specific Barr staff who worked on this Assessment are included in the following pages.



**Experience** Dan Fetter has 24 years of experience in the areas of regulatory analysis, site investigation, remedial design, brownfields redevelopment, cost estimating, hazardous waste management, and remedial action coordination. He specializes in addressing legacy environmental issues at contaminated sites and industrial facilities and developing practical, cost-effective environmental solutions for redeveloping contaminated land. His experience includes:

**Brownfields redevelopment**

- Directing investigation and cleanup planning for the City of St. Paul on three brownfield redevelopment sites along the Central Corridor, a development area around St. Paul's first light-rail transit (LRT) route. Work was funded under the city's U.S. Environmental Protection Agency (EPA) brownfield redevelopment grant, and it included Phase I and Phase II assessments, preparation of response action plans, assistance with U.S. EPA grant administration procedures, and coordination with the City's development partners.
- Assisting the city of New Brighton with one of the largest and most complex brownfield redevelopments in the state. The work includes conducting Phase Is, Phase IIs, and preparation of response action plans in support of the city's planned acquisition and redevelopment of the 100-acre Northwest Quadrant redevelopment area adjoining I-694 and I-35W. The redevelopment involves 15 properties that include nine petroleum release sites, a former refinery and Superfund site, two former dumps with landfill gas concerns, and other concerns related to past solvent and chemical use. The work includes assessing the soil, groundwater, and vapor impacts and developing and implementing response action plans in support of a mixed-use redevelopment and new public infrastructure (e.g., roads, piped utilities, storm water ponds, and foundations). The majority of the cleanup was completed by 2009 and the city and its developers have begun the initial phases of redevelopment, which will involve a new urban mixed-use village.
- Assisting the City of St. Louis Park with investigation and management of old dump materials that were encountered during a park redevelopment. The project involved improving park features and expansion of a dry retention basin to address neighborhood flooding concerns. The project included partial removal of dump materials, establishment of an appropriate soil cover over the remaining areas of the dump, and coordination with the Minnesota Pollution Control Agency (MPCA).
- Directing the investigation and cleanup planning for the proposed Surly Brewing Co. development located on the border of Minneapolis and St. Paul. The redevelopment site has a long history of industrial use, including a variety of environmental legacy concerns. Work has included assisting with applications for environmental grant funding; conducting preliminary assessments; and cost estimating for environmental cleanup, regulatory coordination, site demolition, geotechnical requirements, and stormwater management in support of the new brewery development. The cleanup and redevelopment is planned for 2013-2014.

- Assisting the city of New Brighton with cleanup and redevelopment of two petroleum-release sites into new commercial businesses. Reviewed the past investigation results and prepared development response action plans (DRAPs) to address the residual contamination in support of the planned commercial redevelopments. All work is being coordinated with the MPCA's petroleum brownfield program.
- Assisting the city of New Brighton with several demolition efforts to clear land of aging commercial and industrial facilities in preparation for redevelopment. The work included planning and coordination of hazardous substance abatement (including asbestos, lead paint, and mercury switches), assistance with public bidding, and oversight and testing during demolition work.
- Assisting several of Barr's clients in successfully obtaining more than \$9 million dollars in grant and reimbursement funding for numerous environmental projects. The funding sources have included brownfield grants from the U.S. EPA, Minnesota Department of Employment and Economic Development (DEED), Metropolitan Council, Hennepin County, Ramsey County, Minnesota Petrofund tank program, Wisconsin PECFA tank program, and special bonding requests to state and federal legislatures.
- Planning and coordinating a unique U.S. EPA Superfund cleanup at 35 residential properties located adjacent to a former wood-treating facility. Previous cleanups had addressed the majority of the contamination from the historical wood-treating operations, but recent data identified low-level dioxins in residential yards and interior house dust. A remedial action for residential dust reduction was negotiated and implemented at the request of the U.S. EPA. The work involved coordinating access to homes, temporarily relocating residents to motels, carpet removal and replacement, duct cleaning, and extensive cleaning of nearly every interior surface of the homes. To control potential future sources of contaminated dust, the residential yards were covered with three inches of clean topsoil and re-vegetated, and the residential driveways were covered with three inches of clean gravel. Ongoing efforts include arrangements for periodic supplemental cleaning of homes to remove accumulated dust and application of dust suppressant to unpaved roads in the neighborhood. A permanent remedy is being negotiated with U.S. EPA.
- Assisting Xcel Energy with planning and managing historical impacts to soil and groundwater as part of a \$700-million project involving demolition and reconstruction of two electric-generation plants that were upgraded and switched from coal to natural gas—the Riverside power plant in Minneapolis and the High Bridge power plant in St. Paul. Developed a soil-management plan to address historical concerns from the past 100 years of power-plant operations including petroleum releases, asbestos-containing materials, and buried ash, slag, and coal. The soil management was also coordinated with development of updated plans for stormwater management and closure of the handling facilities for coal, ash, and slag.
- Designing and negotiating regulatory acceptance for a risk-based redevelopment plan to convert a former demolition dump with PAH and lead contamination into a new park and recreation area. The innovative design work involved coordination of the in-



place dump closure with the park redevelopment (including ball fields, retaining walls, landscaping, geotechnical design, parking lots, and utilities). The project also involved protection and enhancement of an adjoining wetland and creek in coordination with the watershed district and regulatory authorities.

- Directing environmental planning and negotiated regulatory liability assurances on a series of projects for the city of Golden Valley which led to redevelopment of several adjoining contaminated properties into a new office and warehouse business park, along with the associated streets and utilities. The work involved investigating the properties, identifying environmental concerns, preparing a comprehensive corrective action plan, and assisting with implementation of institutional controls. All efforts were coordinated with the redevelopment plans to focus the environmental cleanup on the actual future land use. The design work included developing a soil management plan to address the poor geotechnical site conditions and the soil and groundwater contamination (petroleum, chlorinated VOCs, and PAHs).
- Directing a remedial investigation, focused feasibility study, and prepared a response action plan for a site in Minneapolis that had formerly been an automotive battery recycling operation. Worked with the Minnesota Department of Transportation (MnDOT) to implement the remedial action, which involved excavation and on-site stabilization of the lead-contaminated soil. The City of Minneapolis plans to redevelop the site.
- Designing a series of response action plans associated with redevelopment of a former railyard with petroleum and solvent contamination into a business park with new roads, office buildings, and parking. The environmental response plan includes safe, onsite management for most of the contaminated soil combined with a geotechnical soil correction for the proposed buildings.
- Assisting the city of Inver Grove Heights to address historical petroleum releases and farm dumps that were encountered as part of their construction of new frontage roads, stormwater ponds, and related utilities along the Highway 52 corridor.
- Assisting the cities of New Brighton and Burnsville with new stormwater ponds that were constructed near historical petroleum release sites. The work included review of previous environmental investigations and development of remedial plans to address residual groundwater impacts that could impact the new pond's water quality.
- Conducting numerous Phase I environmental site-assessment projects involving property transfers.

#### **Environmental assessment and investigations**

- Directing Barr staff working with MnDOT on a variety of environmental projects under an emergency contract that was funded by federal stimulus funds. The sites involved environmental investigations (Phase I/II), response action plans, and oversight of contamination cleanup for new highway construction projects throughout northern Minnesota involving petroleum releases and old dumps.

- Assisting the City of Oslo, Minnesota to address environmental legacy concerns as part of a fast-track flood control project to control flooding on the Red River of the North. The project work included a hazardous, toxic, and radioactive waste (HTRW) assessment; coordination of pre-demolition surveys to identify hazardous substances in more than 20 buildings and structures; Phase II field investigations to delineate a petroleum release in an area where the city's water supply tank was to be relocated for a new flood wall; and coordination with environmental regulatory agencies. The petroleum release was remediated in conjunction construction of a new water-supply tank for the city.
- Assisting the City of Hopkins and the Nine Mile Creek Watershed district to address environmental legacy concerns as part of a streambank stabilization project on a 1.4-mile long corridor of the city with numerous contaminated sites including petroleum releases, old dumps, manufactured gas plant sites, solvent sites, and demolition fill. The project work included performing Phase I and II investigations, preparing a response action plan, and successfully obtaining \$364,000 in grants from the Hennepin County Environmental Response Fund to reimburse investigation and cleanup costs. The environmental cleanup approach was designed in conjunction with the elements of the creek restoration project that addressed stabilization of eroding banks; creation of new channel segments; maintenance dredging of stormwater ponds; and construction of new stormwater outfalls as well as park paths, bridges, and bike trails.
- Assisting Hennepin County on a series of projects under Barr's master services agreement, including Phase I and Phase II environmental site assessments and development of response action plans. The work has spanned a wide variety of projects including Brownfield redevelopment, stormwater projects that encountered legacy contamination, and litigation support to the county as an environmental expert to help resolve a dispute between the county and their highway construction contractor over the cost of unexpected contamination.
- Directing a Phase I corridor study and targeted Phase II environmental investigations in support of MnDOT's reconstruction of the I-35W and Highway 62 interchange (Crosstown Highway). The Phase I/II work was conducted to assess for subsurface environmental concerns that may affect the reconstruction of this critical 5 mile urban transportation corridor for the Twin Cities. The reconstruction of the 5-mile-long project corridor will involve 24 bridges, new ramps/retaining walls/sound walls, stormwater management ponds, and some reconfiguration of adjacent local streets and utilities.
- Directing environmental investigations and related property cleanup for the first light rail transit project in the Twin Cities metropolitan area. The project involved a 12-mile rail transit corridor through an urban setting. Preliminary planning and cost estimating was conducted with MnDOT. Following that, Dan directed targeted environmental investigations, developed a response action plan, and implemented the necessary response actions during rail line construction. The project was successfully completed by a design-build project team involving an innovative, multi-party public/private partnership.



- Assisting with a RCRA facility investigation and implemented a RCRA closure plan for an Oregon site with a release of petroleum distillates to soil and groundwater.
- Directing screening site inspections (SSIs) under CERCLA at three former municipal dumps in Minnesota. The SSIs were conducted with the Minnesota Pollution Control Agency and the U.S. EPA to develop a hazard ranking score that was used to evaluate sites for the EPA Superfund National Priority List and MPCA Permanent List of Priorities.

### **Remediation**

- Assisting Capitol Region Watershed District and MnDOT with a fast-track project to realign a 100-year-old storm-sewer interceptor to make way for new highway interchange bridges near downtown St. Paul. The project area involved petroleum contaminated soil and groundwater that had to be managed during the complex interceptor replacement. BNSF Railway agreed to a rare 30-hour shutdown of two mainline railroad tracks to allow removal and replacement of railroad track, installation a new box culvert, open-cut excavation, and backfilling. Months of planning preceded the effort and involved government agencies, consultants, and investigative contractors. The excavation needed to be completely dewatered prior to construction, requiring permits for disposing of contaminated groundwater and impacted soils and the design of a sophisticated track-monitoring system to verify that dewatering did not affect the surrounding railway. Construction was completed successfully and rail service restored on time, minimizing disruptions and enabling the MnDOT's highway project to move forward.
- Assisting International Paper Company with several efforts to address concerns from a former wood-treating facility located in Cass Lake, Minnesota. The work has included investigations and a feasibility study to evaluate many alternatives for addressing widespread areas of dioxin in soil at the site and in nearby residential areas. The potentially impacted areas under study involve hundreds of acres of land, including more than 100 residences in surrounding neighborhoods. Also directed interim remedial actions to remove areas of soil at the site with high concentrations of dioxin, cover residential yards near the site with clean soil, and arrange for periodic cleanings of residences and dust suppression on unpaved roads. The site is located within the Leech Lake Band of Ojibwe Reservation, and investigation and cleanup efforts are subject to complex negotiations between the International Paper, U.S. EPA, state agencies, local government, and the tribe.
- Helping a large iron mine in northern Michigan respond to regulatory concerns about historical tailings releases to wetlands and streams. Work involved evaluating the extent of the releases, evaluating options for dredging tailings from streams, and assisting with permitting work in wetlands and surface water.
- Directing the cleanup, decommissioning, and demolition of a large bulk-petroleum-storage facility at a former mine in northern Michigan. The work included recovery and recycling of the tank contents, demolition and recycling of the metal tanks, and evaluation and management of petroleum-impacted soil.

- Directing a remedial design and remedial action under CERCLA (Superfund) at a former waste-oil disposal facility at Douglassville, Pennsylvania. The work included negotiating, planning, designing, and providing project management for a \$15 million cleanup effort that involved excavation, on-site stabilization, and on-site landfilling of 46,000 cubic yards of used-oil filter-cake sludge. Detailed procedures were developed for monitoring waste treatment, controlling and monitoring air emissions, and collecting and treating wastewater generated from runoff.
- Conducting a feasibility study for the former Reserve Mining scrapyards and landfill located at the current North Shore Mining facility near Silver Bay, Minnesota. The work involved evaluation of a range of on-site and off-site alternatives for managing buried scrap, debris, and drummed waste (including some RCRA hazardous wastes) associated with a nearby taconite plant. The remedial alternatives were developed to address direct contact and groundwater pathway risks that were identified by Barr's remedial investigation at the site. The work was conducted for the Minnesota Pollution Control Agency.
- Directing long-term operations and improvements for a groundwater remediation system at a Superfund site that addresses a large solvent release from an old chemical dump in Oakdale, Minnesota. The work has involved regulatory negotiations and evaluating various enhancements to the system to ensure that remedial objectives are met while economically maintaining the groundwater remediation system.
- Conducting a focused feasibility study to evaluate remedial options and potential environmental response costs for a former wood tar site located in Kipling, Michigan. The study considered a range of both onsite and offsite remedial options that could support site redevelopment.
- Conducting an evaluation of potential remedial costs for the Cliffs-Dow wood tar site in Marquette, Michigan. The study considered a range of both onsite and off-site remedial options that could support site redevelopment.
- Designing and coordinating a remedial action under CERCLA (Superfund) at a former coal gasification facility in Dubuque, Iowa, that had extensive coal tar contamination in the soil and groundwater. The design, which was coordinated with the city, the Iowa DOT, and MidAmerican Energy, included redeveloping a portion of the site into a new highway corridor. The remedial action included excavation, processing, and offsite thermal treatment of coal tar and heavily contaminated soil at a coal-fired power plant. Soil with residual contamination was managed onsite under a clean cover and a groundwater extraction and treatment system with sanitary sewer discharge was installed to address the groundwater risks.
- Directing the cleanup, decommissioning, and demolition of a large bulk-petroleum-storage facility at a former mine in northern Michigan. The work included recovery and recycling of the tank contents, demolition and recycling of the metal tanks, and evaluation and management of petroleum-impacted soil.



- Assisting with preparation of RI/FS work plans and supporting documents for several contaminated sites, including former coal gasification facilities in Chicago and Iowa and a former lead-battery recycling facility in Minneapolis.
- Assisting with feasibility studies for evaluating remedial options for contaminated soil, groundwater, and wastes at numerous sites, including a former railroad switchyard with an extensive petroleum release, a former uncontrolled municipal dump that contained lead contamination, and a Chicago railyard with lead and PCB soil contamination. The Chicago railyard study included development of a probabilistic cost evaluation for possible remedial alternatives.
- Conducting an underground-storage-tank management project for the U.S. Postal Service that involved more than 125 tanks at 90 locations in Minnesota and North Dakota. The project included site visits and reports summarizing recommendations to comply with new tank regulations and to minimize environmental liabilities associated with tank operation. Subsequent work involved design and construction observation during replacement of tanks at several post offices and management of contaminated soil and groundwater at sites where petroleum had been released.
- Planning and coordinating a soil remediation at a former automotive battery-cracking operation at a railyard in La Crosse, Wisconsin. Lead-contaminated soil was stabilized in situ prior to excavation and off-site disposal. The work was coordinated with the city of Lacrosse and the Wisconsin Department of Natural Resources in accordance with NR 700 rules.
- Developing probabilistic remedial cost estimates for two contaminated rail yards and a waste oil disposal site. Responsibilities included developing potential remedial strategies, evaluating key technical/regulatory uncertainties, assigning probabilities, and developing an estimated range for remedial costs.
- Providing technical expertise and negotiating with the Wisconsin Department of Natural Resources for two former manufactured gas plant (MGP) sites that were located adjacent to rivers in urban settings. The work included assessing impacts to soil, groundwater, and surface water in accordance with Wisconsin NR 700 rules and evaluating MPG-related structures still on the sites. The work at one of the sites included coordination of an Interim Removal Action to address potential impacts to the surface water and preparation of a site investigation work plan. The work at the second site included preparation of detailed plan and cost estimate for implementing a remedial action to stabilize and cap MGP waste along a river bank as part of a planned redevelopment of the site into a city park.
- Assisting with remedial investigations/remedial alternative evaluations at numerous Holiday gas stations in Wisconsin. All work was conducted in accordance with NR 700 and Department of Commerce rules and guidance regarding petroleum release sites and PECFA-reimbursement requirements.
- Assisting with the remedial design to address solvent-contaminated soil near a former drum burial area at a site in Monroe, Wisconsin. Developed site-specific, performance-based soil cleanup goals for land treatment in accordance with NR 718 and 720.

- Providing technical review and recommendations the City of New Brighton in support of their response to citizen complaints for sites involving noise and odor concerns.

While with another consulting firm, Dan focused on the investigation and remediation of soil and groundwater at contaminated sites. His work included:

- Conducting feasibility studies for material handling and thermal treatment of contaminated soil at a large petrochemical facility on the EPA s National Priority List.
- Observing tank removals and performing remedial investigations at numerous underground-storage-tank sites in accordance with MPCA guidance documents.
- Assisting with the design and implementation of various remedial actions at sites with contaminated soil and groundwater.
- Conducting numerous environmental property assessments prior to land purchase or development.
- Assisting with the development of equipment for soil-gas testing and thermal treatment of contaminated soil.

**Education**      BS, Civil Engineering, University of Minnesota, 1988

**Registration**      Professional Engineer: Minnesota, Iowa, Michigan, Wisconsin



- Experience** Michelle has more than eight years of experience in environmental consulting. She has experience with Phase I and Phase II environmental site assessments; soil, groundwater, and vapor sampling; underground storage tank investigations; monitoring well and soil boring installation; soils management; response action plans (RAPs); GIS analysis and figure creating; and report writing. Her work experience includes:
- Performing fieldwork in the investigation phase of several projects including:
    - Conducting fieldwork for drilling, installation, development, and sampling of groundwater monitoring wells at railyards in Iowa.
    - Conducting field oversight for installation of storm-water utility line at a dump site near a railyard in Minnesota.
    - Conducting fieldwork for drilling, installation, development, and sampling of groundwater monitoring wells at an airport in Tennessee.
    - Conducting fieldwork for aquifer pumping tests in Minnesota and Wisconsin.
  - Performing soil sampling using various drilling techniques, such as Geoprobe, hollow-stem auger, mud-rotary, rotosonic, dual-rotary, and documenting subsurface soils in boring logs.
  - Completing field screening and collection of laboratory samples of contaminated soils from surface and subsurface samples.
  - Serving as imagery and GIS specialist and as journeyman GIS cartographer for a cartographic firm in Minnetonka, Minnesota.
  - Serving as environmental scientist for an environmental firm in Maple Plain, Minnesota. Her work included Phase I and Phase II environmental site assessment (ESA) reports; assisting with Environmental Assessment Worksheet and Environment Impact Statement reports; well and soil-boring installation; and soil management at land development sites.
  - Serving as environmental scientist for a consulting firm in Plymouth, Minnesota. Her work included assisting on Phase I and Phase II ESA reports, including field reconnaissance and reporting; Phase II subsurface soil and groundwater investigation; soil, groundwater, and vapor sampling; underground storage tank investigation; monitoring-well and soil-boring installation; soils management at land-development sites; RAPs and RAP implementation reports; GIS analysis; figure creating for reports and presentations; and general compliance and remediation.
  - Serving as office and field intern for three seasons for an engineering firm in Bloomington, Minnesota. Collected and recorded global positioning system (GSP) field location and soil-boring location readings; assisted on Phase I ESA reports and completed bedrock resistivity-depth analysis.
- Education** Graduate Certificate, GIS, St. Mary's University, 2010  
BA, Geology, University of St. Thomas, 2006

**Certification** E-RailSafe Certified  
40-Hour OSHA HAZWOPER training  
24-Hour MSHA training