SYRACUSE DIVISION
BUNDLED BRIDGES

TAS 17-37B, Contract D800001

DB CONTRACT DOCUMENTS

PART 7

ENGINEERING DATA

Final, October 5, 2017

This page is intentionally left blank

ENGINEERING DATA

Attached are the following:

1. **Hazardous Material Assessment Reports**
2. **Approved Detour Maps**

This page is intentionally left blank

ENGINEERING DATA

Attachment 1: Hazardous Material Assessment Reports

HAZARDOUS WASTE/CONTAMINATED MATERIALS SCREENING (FINAL)

Replacement of Syracuse Division Bridges

Milepost 219.91: Mohawk Street

BIN 1020079

Town of Herkimer, Herkimer County, New York

Prepared for:

New York State Thruway Authority
200 Southern Blvd.
P.O. Box 189
Albany, NY 12201-0189

Stantec
61 Commercial Street, Suite 100
Rochester, NY 14614
www.stantec.com

Prepared by:

Environmental Design & Research,
Landscape Architecture, Engineering, & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1000
Syracuse, New York 13202
www.edrdpc.com

February 2017

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1

LIMITATIONS 1

1.0 INTRODUCTION 3

2.0 METHODOLOGY 3

2.1 Site Inspection 3

2.2 Past and Current Land Use Research 3

2.3 Records Review 4

3.0 FINDINGS 4

3.1 Site Inspection Findings 4

3.2 Past and Current Land Use Research Findings 5

3.3 Records Review Findings 6

3.4 Locations of Concern 6

4.0 CONCLUSIONS AND RECOMMENDATIONS 7

REFERENCES 9

Attachments

Appendix A: Figures
Appendix B: Site Photographs
Appendix C: Sanborn Maps
Appendix D: Historic and Recent Aerial Photographs

EXECUTIVE SUMMARY

A Hazardous Waste/ Contaminated Materials Screening was conducted for the New York State Thruway bridge over Mohawk Street, at Mile Point (MP) 219.91 on the New York State Thruway (Interstate 90), in the Town of Herkimer, Herkimer County, New York (BIN 1020079). The screening is focused on a Study Area extending approximately 1,500 feet in both the east and west directions along the Thruway from the bridge, as well as a 500-foot corridor in both the north and south directions along Mohawk Street. The Study Area was defined by Stantec. This screening included a review of available records and a Study Area walkover inspection, which was conducted on November 2, 2016. The purpose of this screening is to identify potential areas of environmental concern that may be disturbed during construction.

Based on the information reviewed for this screening, the following is noted:

- The property occupied by Tractor Supply at the northwest intersection of Mohawk Street and Fifth Avenue (700-716 Mohawk Street), is listed on several environmental databases as a past user and generator of oil and/or hazardous materials (OHM), as well as the site of past releases of OHM. The property is also identified as a Brownfields site due to identified soil and groundwater contamination. Soil contamination at this parcel has reportedly been removed; however, groundwater contamination above applicable standards has been noted to remain. If excavation on or adjacent to this parcel is planned, further investigation such as soil and/or groundwater sampling is warranted.

- The New York State Thruway Authority (NYSTA) Herkimer Section Maintenance facility at 799 Mohawk Street to the southeast of the Study Area is an identified petroleum bulk storage (PBS) facility with aboveground storage tanks (ASTs) and underground storage tanks (USTs), and is a registered large quantity generator of hazardous waste. The locations of ASTs and USTs on this property should be confirmed prior to excavation for the proposed project. If OHM storage and/or generation locations are in close proximity to areas to be impacted for the project, these areas should be screened for potential contamination to ensure that sampling and potential disposal be completed as necessary.

The following report discusses the complete findings of the Hazardous Waste/ Contaminated Materials Screening.

LIMITATIONS

The findings presented in this screening are based on a description of project activities provided by Stantec, observations noted on the date of the site reconnaissance, and the accuracy and timeliness of the published databases and government records. Should any of the proposed project components change, so may the findings of this screening. Additionally, while this investigation was performed in accordance with the NYSTA Scope of Services provided by Stantec, good commercial and customary practice, and generally accepted protocols, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C. (EDR) cannot guarantee that the property is free of hazardous substances or other materials or conditions. The presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or groundwater samples, which was beyond the scope of this investigation.

This screening was prepared for the exclusive use of Stantec and the NYSTA, and should not be reproduced or disseminated without the written approval of EDR. Use of this report in whole or in part by parties other than Stantec and the NYSTA is prohibited.

1.0 INTRODUCTION

EDR, as sub-consultant to Stantec has been retained to perform a Hazardous Waste/ Contaminated Materials Screening for the New York State Thruway bridge over Mohawk Street, at MP 219.91 on the New York State Thruway, in the Town of Herkimer, Herkimer County, New York. The screening is focused on a Study Area, defined by Stantec, which extends approximately 1,500 feet in both the east and west directions along the thruway from the bridge, as well as a 500- foot corridor in both the north and south directions along Mohawk Street.

The NYSDOT *Environmental Manual (TEM)* Chapter 4.4.20 was utilized for guidance during this assessment. The project location is indicated on the Regional Project Location Map (Figure 1), and the Study Area is identified on the Site Location Map (Figure 2).

As described in the NYSTA Scope of Services provided by Stantec, this preliminary screening is a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials.

2.0 METHODOLOGY

This assessment included a walkover reconnaissance of the Study Area, a review of existing information about past and current land use, and a review of published databases and government records, including Inactive Hazardous Waste Site Registry, Chemical and Petroleum Bulk Storage records, waste incident/chemical releases reports, and other federal, state, county, and local sources of information (see References). In December 2016, Environmental Data Resource, Inc. was contracted by EDR to provide a listing of published databases of hazardous waste sites in the vicinity of the Study Area. These databases provide a listing of sites of potential concern as identified by a review of Federal, State and local databases. This database review was supplemented with a review of published databases available through the New York State Department of Environmental Conservation (NYSDEC) web site. The environmental database report is available upon request.

2.1 Site Inspection

A walkover site reconnaissance of the Study Area was conducted on November 2, 2016. The walkover was performed in an attempt to identify visual evidence of contamination such as: discolored or stained soil, stressed or dead vegetation, spills, leaks, leachate or discolored water, air emissions or odors, evidence of previous fires, and evidence of oil sheens on water. In addition, the walkover included a visual survey that attempted to identify whether the following are present within the Study Area: underground or aboveground tanks, vent/fill pipes, well casings or riser pipes from monitoring wells, refueling or pump islands, drums or chemical containers, discarded transformers or transformer pads, surface impoundments or lagoons, landfills or dumps, dumpsters or bulk solid waste, railroad tracks or railyards, sumps, drywells, or septic systems.

2.2 Past and Current Land Use Research

Historical mapping and aerial photography are utilized as part of the Hazardous Waste/ Contaminated Materials screening

as they serve as an historical reference to prior land use. Historical mapping and aerial photography was reviewed to identify locations where past use(s) could be considered an environmental concern. Examples of how a past land usage could lead to an environmental concern is the presence of contaminated soils from a former filling station, automotive repair shop, large manufacturing plant, chemical plant, drycleaner, etc. Based on the location of such sites with respect to the Study Area and the specific past land use, the need for further investigation may be eliminated or warranted.

The following resources were researched to establish the past and current land use within the Study Area:

Sanborn Map Review –Sanborn maps for the Study Area were reviewed for the following years: 1923, 1931, 1950, and 1961 (Appendix C).

Aerial Photographs - Aerial photographs taken in 1942, 1956, 1959, 1974, 1982, 1986, 1995, 2005, 2008, 2009, and 2011 supplied by Environmental Data Resource, Inc. were reviewed. These aerial photographs are included in Appendix D. Supplemental aerial photography from Google Earth for the years, 1997, 2003, 2006, 2008, 2009, and 2011, was also reviewed.

2.3 Records Review

A review of Federal, State and local Environmental databases was conducted. Environmental Data Resource, Inc. was contracted by EDR to provide a comprehensive review of Federal, State and local listed data on potential hazardous waste sites in the vicinity of the Study Area. The environmental database report is available upon request. This data search was performed in accordance with ASTM E-1527-05 standards for minimum search distance. The use of the database report allows for a comprehensive listing of sites of potential concern.

United States Environmental Protection Agency (USEPA) and NYSDEC online databases were reviewed and cross-referenced as part of the review process to supplement the environmental database review referenced above.

3.0 FINDINGS

The project is located in the Town of Herkimer, Herkimer County, New York (Figure 2). The project includes the replacement of the existing New York State Thruway bridge (BIN 1020079) over Mohawk Street at MP 219.91. According to Stantec, the purpose of the project is to improve traffic operations and safety of this Thruway bridge.

3.1 Site Inspection Findings

The Study Area was observed to be occupied primarily by the mainline of the New York State Thruway (I-90), a built-up interstate highway which passes over Mohawk Street in the center of the Study Area. The north-south oriented portion of the Study Area is occupied by Mohawk Street (State Route 28). No buildings are located within the Study Area, and no evidence of underground or aboveground tanks, chemical storage/drums, or other evidence of hazardous material releases were observed during the site walkover.

The area is generally flat, with the Mohawk River located to the south of the Study Area. The Mohawk River flows to the east. Groundwater at the Study Area is expected to generally flow to the south/southeast toward the Mohawk River.

Solid waste dumpsters and grease dumpsters were noted at the boundaries of the Study Area adjacent to a Denny's Restaurant parking lot, and adjacent to the parking lot associated with the commercial plaza to the south west. Evidence of a release of OHM was not noted around these dumpsters at the time of the site reconnaissance. Limited solid waste debris was observed along the side of the Thruway and Mohawk Street within the Study Area; however, significant dumping was not noted.

Pad-mounted transformers were noted adjacent to the Study Area behind the Red Roof Inn (northern Study Area boundary) and next to the commercial plaza located southwest of the Study Area along the Mohawk River. Pole-mounted transformers were observed along the boundaries of the Study area in multiple locations. Evidence of leakage was not noted around the transformers observed within or adjacent to the Study Area at the time of the site reconnaissance.

Properties in the immediate vicinity of the Study Area include:

- A Tractor Supply Company retail store is located immediately northwest of the bridge intersection.
- The Herkimer County and State of New York Department of Transportation (DOT) Highway garages are located northwest of the Study Area along Fifth Avenue.
- Northeast of the Study Are commercial properties, including a Denny's Restaurant, the Budget Inn Herkimer, and the Red Roof Inn.
- A NYSTA maintenance and operations facility is located southeast of the Study Area.
- A commercial plaza including Erie Canal Cruises, Inc., Waterfront Grille (restaurant), and Gems Along the Mohawk (gift shop) are located to the southwest of the Study Area.

Further north of the Study Area are east-west oriented railroad tracks, and to the south of the Study Area is the Mohawk River.

Photographs obtained during the walkover site inspection of the Study Area are included in Appendix B.

3.2 Past and Current Land Use Research Findings

The Sanborn Map review for the Study Area (Appendix C) identified the following:

- In 1923, the Study Area was bisected by the New York State Electrical Railway Right of Way (ROW) along the route that is currently Mohawk Street. The New York State Electric Railway operated streetcars and trolley systems in central New York until the 1930s. A gasoline tank is identified in Mohawk Street in this Sanborn Map.
- In 1931, the railway ROW remained, and three properties of concern were identified: a potential garage property with two gasoline tanks at the center of the Study Area, a filling station just northwest of the center of the Study Area with two gasoline tanks, and an auto repair facility including body repair and spray painting operations to the northwest of the northern portion of the Study Area.
- In 1950, the railway ROW was re-labeled as Mohawk Street on the Sanborn Map. In addition, the three properties shown in 1931 remained, including the filling station and auto repair facility, with the garage re-labeled as Trucks and Farm Machinery Sales and Service.
- In the 1961 Sanborn Map, the New York State Thruway had been constructed, and the Trucks and Farm Machinery facility had been removed. The filling station was replaced with an auto sales and service property, and the second auto sales facility to the northwest remained present.

Aerial photographs reviewed for the Study Area (Appendix D) were consistent with the findings of the Sanborn Map review.

Additional discussion of the findings of the historical mapping and aerial photography review is included in the discussion of the properties and/or locations of concern in Section 3.3 of this report, if warranted.

3.3 Records Review Findings

Table 1 summarizes the information available through the Environmental Data Resource, Inc. database search and supplemented through a review on line databases, an understanding of the Study Area, and a site reconnaissance.

Table 1: Environmental Records Review

Standard Environmental Record Sources	Minimum Search Distance – ASTM Standard: miles (kilometers)	No. of Listed Properties[1]
Federal NPL Site List	1.0 (1.6)	0
Federal Delisted NPL Site List	0.5 (0.8)	0
Federal CERCLIS List (SEMS)	0.5 (0.8)	1
Federal CERCLIS NFRAP Site List (SEMS Archive)	0.5 (0.8)	1
Federal RCRA CORRACTS Facilities List	1.0 (1.6)	0
Federal RCRA non-CORRACTS TSD Facilities List (RCRA-TSDF)	0.5 (0.8)	0
Federal RCRA Generators List	Property and adjoining properties only	3
Federal Institutional Control/ Engineering Control Registries	Property only	0
Federal ERNS List	Property only	0
State equivalent NPL	1.0 (1.6)	0
State equivalent CERCLIS (Inactive Hazardous Waste Disposal Sites – SHWS)	0.5 (0.8)	0
State Landfill and/or Solid Waste Disposal Site Lists (Solid Waste Facility/Landfill – SWF/LF)	0.5 (0.8)	0
State Leaking Storage Tank Lists (LTANKS)	0.5 (0.8)	29
State Registered Storage Tank Lists (UST/AST)	0.25 (0.4)	20
State Institutional Control/Engineering Control Registries	Property only	1
State Voluntary Cleanup Sites	0.5 (0.8)	1
State Brownfield Sites	0.5 (0.8)	1
Additional Environmental Record Sources:		
Federal FINDS	Property only	1
Local List of Registered Storage Tanks (NY HIST UST/AST)	0.25 (0.4)	7
State Leaking Storage Tank Lists (HIST LTANKS)	0.5 (0.8)	0
NY Spills	0.125 (0.2)	28
Federal RCRA – NonGen	0.25 (0.4)	5
State Manifest Records	0.25 (0.4)	6

[1]Sites may be listed in more than one database.

3.4 Locations of Concern

Based on the site inspection and records review, sites identified as potentially posing a negative impact on the proposed project are described below:

700-716 Mohawk Street

The property located at the northwest intersection of Mohawk Street and Fifth Avenue is currently occupied by a retail Tractor Supply Company store. This property is listed on several environmental databases as a past user and generator of OHM, as well as the site of past releases. The property is also identified as a Brownfields site due to confirmed soil and groundwater contamination.

This site encroaches on a portion of the Study Area, and is the location of a former automotive repair facility as well as a former filling station dating back to at least 1923. Several USTs and ASTs were previously located at this property. Soil and groundwater contamination attributable to these historic uses and releases of OHM have been identified. As stated in the database report, a site cover has been placed over the entire site, and a soil vapor mitigation system is in place to prevent contaminated vapor from impacting air quality in the existing commercial building.

This property is identified on the NYSDEC Spills databases for several reported releases. Spills reported at this property have been listed as closed on the NYSDEC Spills database.

799 Mohawk Street (also identified as Thruway MP 219.7)

This property is located southeast of the intersection of the thruway and Mohawk Street, at the southeast corner of the Study Area. This property is mapped on the database report in multiple locations, both within and adjacent to the Study Area, and is identified as the NYSTA Herkimer Section Maintenance facility.

This facility is identified on the NYSDEC Petroleum Bulk Storage (PBS) database as having active ASTs and USTs, as well as having historic ASTs and USTs. This location is also identified as a RCRA large quantity generator of hazardous waste.

Fifth Avenue: Herkimer County and NYDOT Highway garages

The parcels located to the northwest of the Study Area are listed on the PBS database as having had several historical USTs that have been removed. In addition, several ASTs are present on these properties. These properties are also listed (with various street numbers) on the NYSDEC Spills database as having had multiple releases. All reported spills at these parcels have been closed by the NYSDEC.

NYSDEC Spills within the Study Area

Several spills were identified on the database report as occurring within the Study Area. These include a release associated with a UST removal at the toll plaza located south of the NYSTA Herkimer Section Maintenance facility. In addition, several spills involving vehicles including motor vehicle accidents and releases from commercial vehicles were identified along the Thruway and associated exits within and adjacent to the Study Area. All releases listed on the NYSDEC spills database within and adjacent to the Study Area are listed as having been closed by the NYSDEC.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the information reviewed and the site inspection the following items of environmental concern were identified:

- The property currently occupied by Tractor Supply Company at the northwest intersection of Mohawk Street and Fifth Avenue (700-716 Mohawk Street), is listed on several environmental databases as a past user and

generator of OHM, as well as the site of past releases. The property is also identified as a Brownfields site due to identified soil and groundwater contamination. As stated in the database report, remediation at the site is complete and soil contamination above the NYSDEC's Soil Cleanup Objectives (SCOs) is no longer known to be present at the site. However, groundwater contamination exceeding the applicable standards has been identified. If excavation on or adjacent to this parcel is planned, further investigation such as soil and/or groundwater sampling is warranted.

- The NYSTA Herkimer Section Maintenance facility at 799 Mohawk Street (MP 219.7) is an identified PBS facility with ASTs and USTS, and is a RCRA large quantity generator of hazardous waste. The locations of ASTs and USTs on this property should be confirmed prior to excavation for the proposed project. If OHM storage and/or generation locations are in close proximity to areas to be impacted for the project, these areas should be screened for potential contamination to ensure that adequate segregation, sampling, and potential disposal be completed.

Note that this preliminary screening is intended to be a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials. The findings presented in this screening are based on the proposed project activities, observations noted at the time of the site walkover, and the accuracy and timeliness of the published databases and government records. Should any of the proposed project components change, so may the findings of this report. As noted in the Limitations section above, EDR cannot guarantee that the property is free of hazardous substances or other materials or conditions. The presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or groundwater samples, which was beyond the scope of this investigation.

REFERENCES

Environmental Data Resources, Inc. 2016. *The EDR Radius Map Report with GeoCheck.* December 29, 2016.

Environmental Data Resources, Inc. 2016. *Certified Sanborn Map Report.* December 30, 2016 (Appendix C).

Environmental Data Resources, Inc. 2016. *The EDR Aerial Photo Decade Package*. December 30, 2016 (Appendix D).

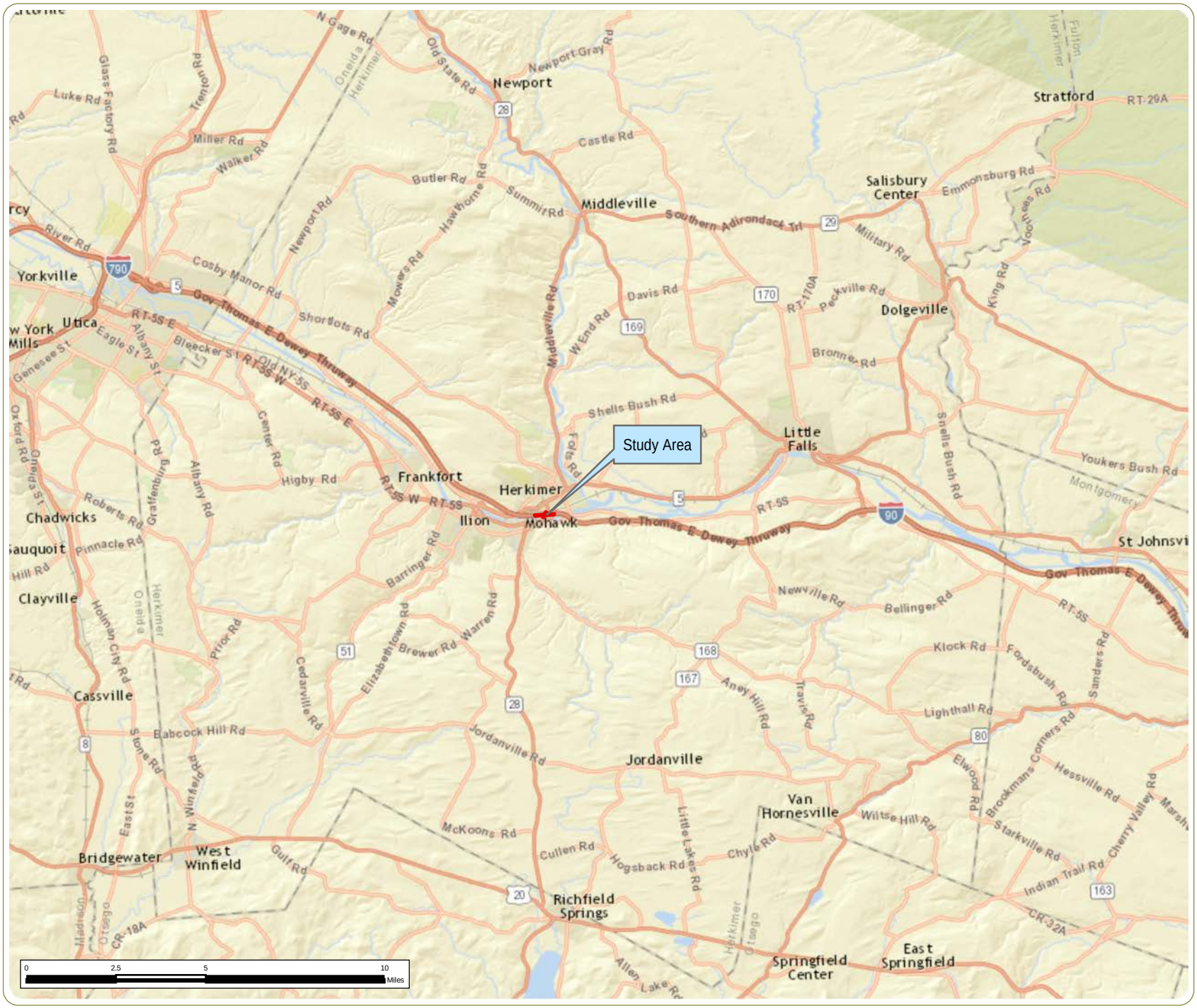
New York State Department of Environmental Conservation. 2017. *Spills Incident Database Search*. Available at: https://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=2

New York State Department of Environmental Conservation. 2017. *Bulk Storage Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=4

New York State Department of Environmental Conservation. 2017. *Environmental Site Remediation Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3

Environmental Protection Agency. 2016. *National Priorities List (NPL) Sites – by State*. Available at: https://www.epa.gov/superfund/national-priorities-list-npl-sites-state

Appendix A: Figures



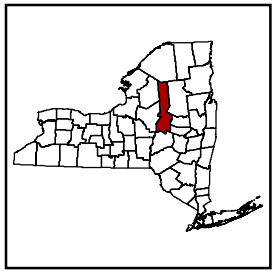
Replacement of Syracuse Division Bridges

Town of Herkimer, Herkimer County, New York

Figure 1. Regional Project Location - Mohawk Street, Herkimer NY, MP 219.91 (BIN 1020079)

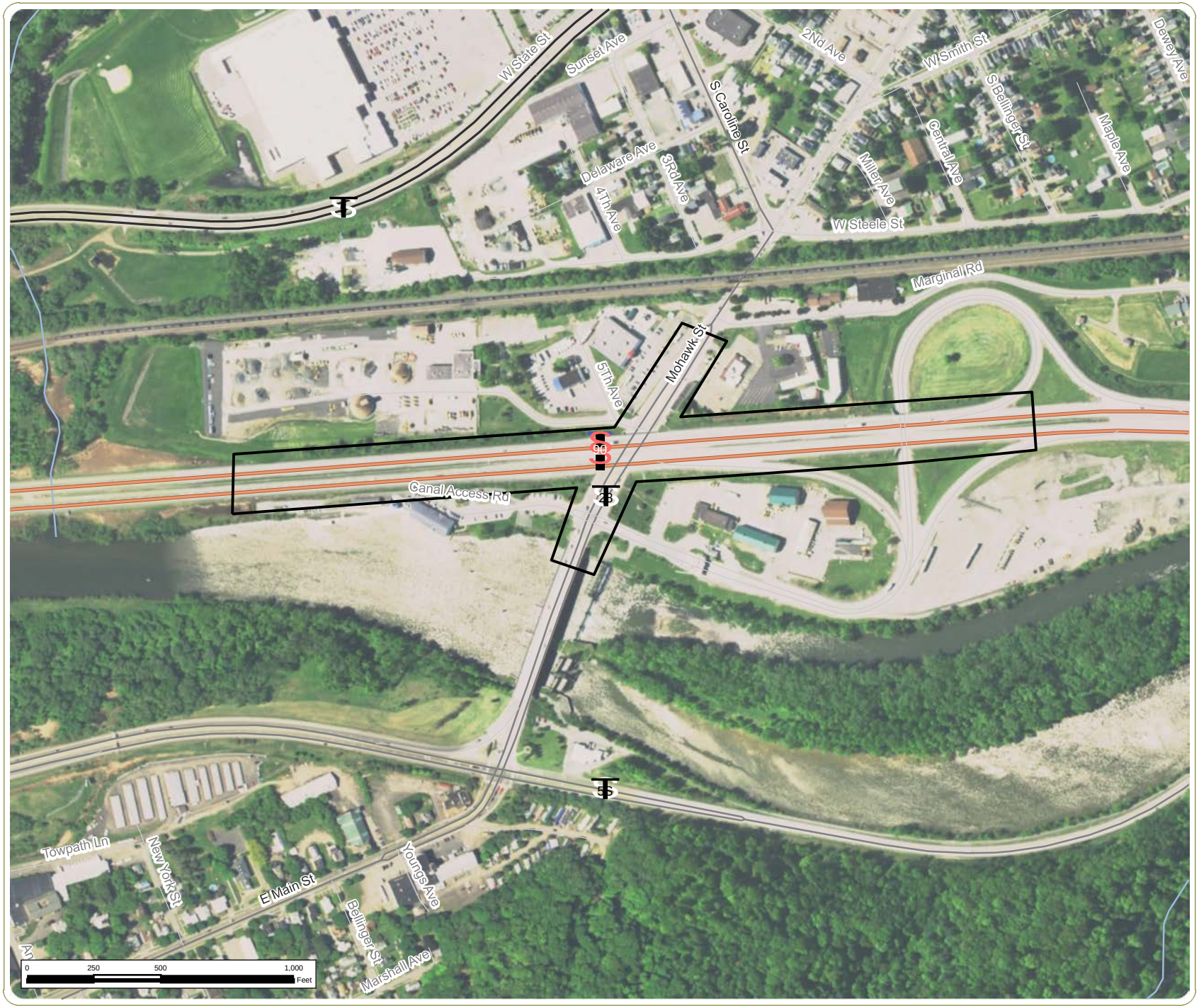
February 2017

Study Area



Notes:
1. Basemap: ESRI ArcGIS Online "World Street Map" Map Service.
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

www. edrdpc. com



Replacement of Syracuse Division Bridges

Town of Herkimer, Herkimer County, New York

Figure 2. Study Area - Mohawk Street, Herkimer NY, MP 219.91 (BIN 1020079)

February 2017

Study Area

Notes:
1. Basemap: ESRI ArcGIS Online "World Imagery" Map Service.
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

www. edrdpc. com

Appendix B: Site Photographs



Photo 1

View toward bridge from Tractor Supply Co., facing SE.



Photo 2

View toward bridge from the SE, facing NW.



Photo 3

View of underside of Thruway bridge, facing NE.



Photo 4

View from under the Thruway bridge, facing North along Mohawk Street.



Photo 5

View of the NYSTA maintenance facility SE of the Project Site, facing NW.



Photo 6

View of dumpsters located behind Denny's, north of the Project Site, facing West.



Photo 7

Transformer behind Red Roof Inn, adjacent to Project Site, facing East.



Photo 8

Transformer on property SW of the Project Site, facing South.

Appendix C: Sanborn Maps

Mohawk Street/ I-90

Mohawk Street/ I-90

Herkimer, NY 13350

Inquiry Number: 4816834.3

December 30, 2016

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/30/16

Site Name:	Client Name:
Mohawk Street/ I-90	Environmental Design & Research, d.p.c
Mohawk Street/ I-90	217 Montgomery Street
Herkimer, NY 13350	Syracuse, NY 13202
EDR Inquiry # 4816834.3	Contact: Caitlin Graff

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Environmental Design & Research, d.p.c were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 904F-400F-A14C

PO # 16134-1

Project NYSTA MP 219.19 Mohawk Street

Maps Provided:

1961
1950
1931
1923

Sanborn® Library search results

Certification #: 904F-400F-A14C

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Sanborn Sheet Key

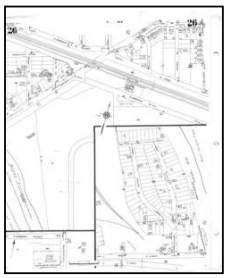
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1961 Source Sheets



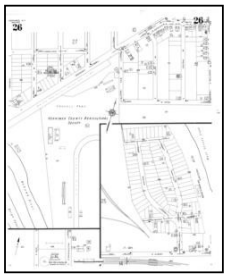
Volume 1, Sheet 26
1961

1950 Source Sheets



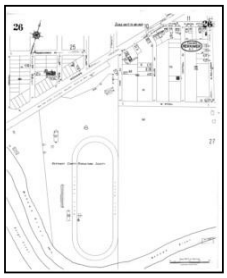
Volume 1, Sheet 26
1950

1931 Source Sheets

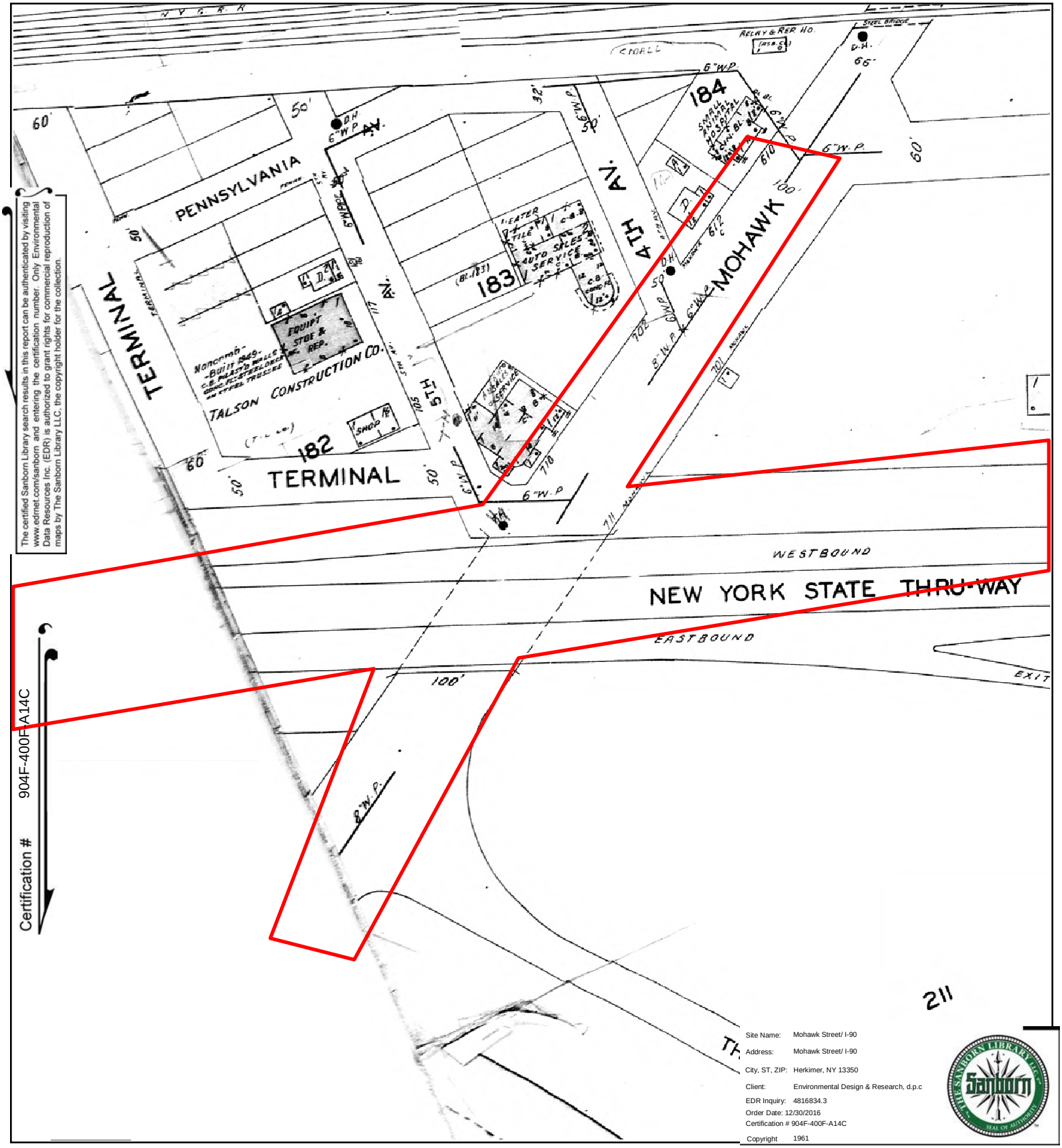


Volume 1, Sheet 26
1931

1923 Source Sheets



Volume 1, Sheet 26
1923



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

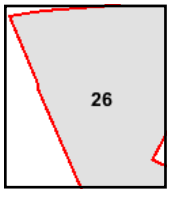
Certification # 904F-400F-A14C

Site Name:	Mohawk Street/ I-90
Address:	Mohawk Street/ I-90
City, ST, ZIP:	Herkimer, NY 13350
Client:	Environmental Design & Research, d.p.c
EDR Inquiry:	4816834.3
Order Date:	12/30/2016
Certification #	904F-400F-A14C
Copyright	1961

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

0 Feet 150 300 600



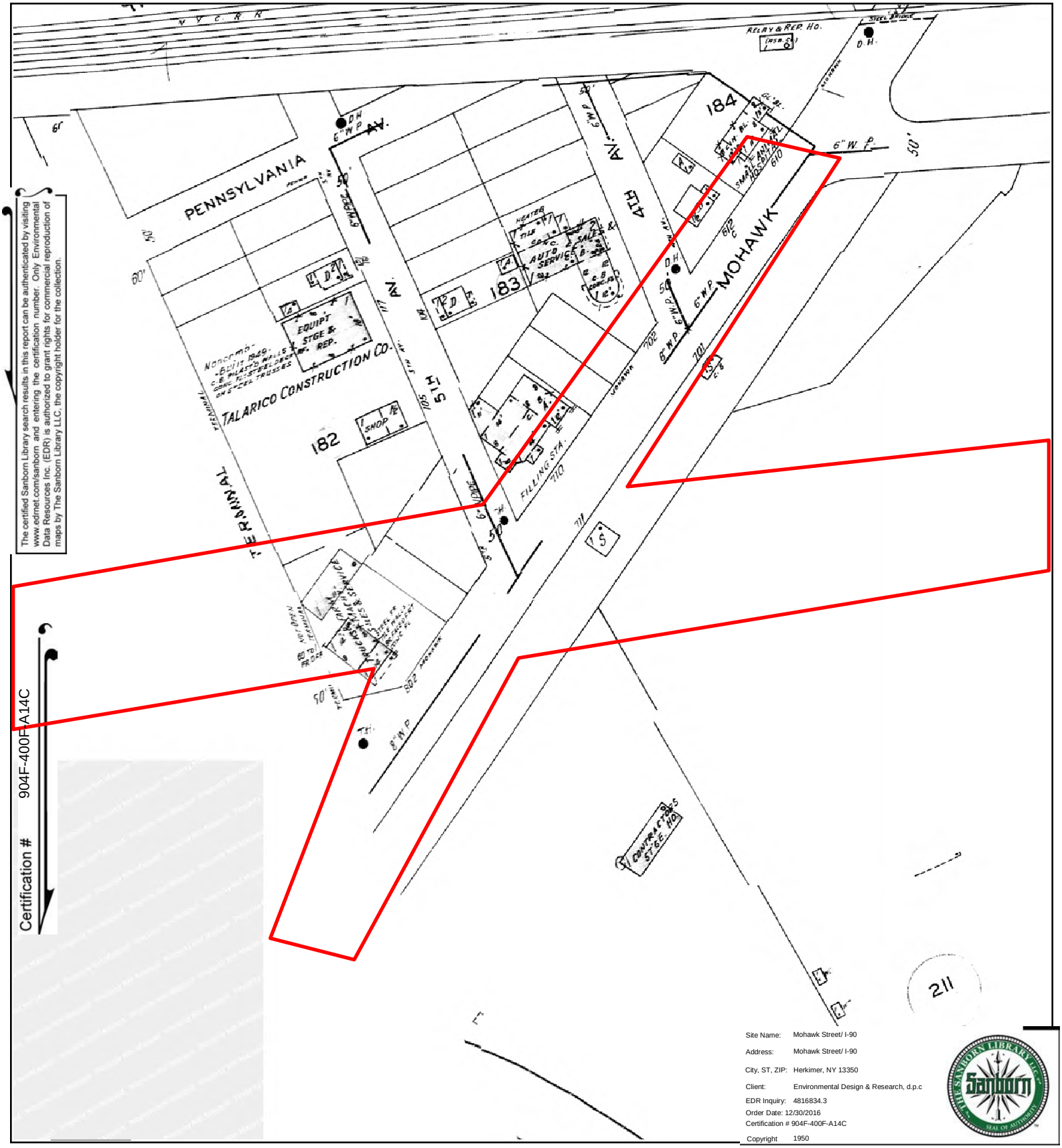


Volume 1, Sheet 26

N

Certified Sanborn® Map

1950



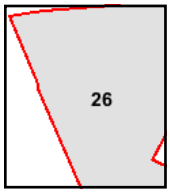
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 904F-400F-A14C

Site Name:	Mohawk Street/ I-90
Address:	Mohawk Street/ I-90
City, ST, ZIP:	Herkimer, NY 13350
Client:	Environmental Design & Research, d.p.c
EDR Inquiry:	4816834.3
Order Date:	12/30/2016
Certification #	904F-400F-A14C
Copyright	1950

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

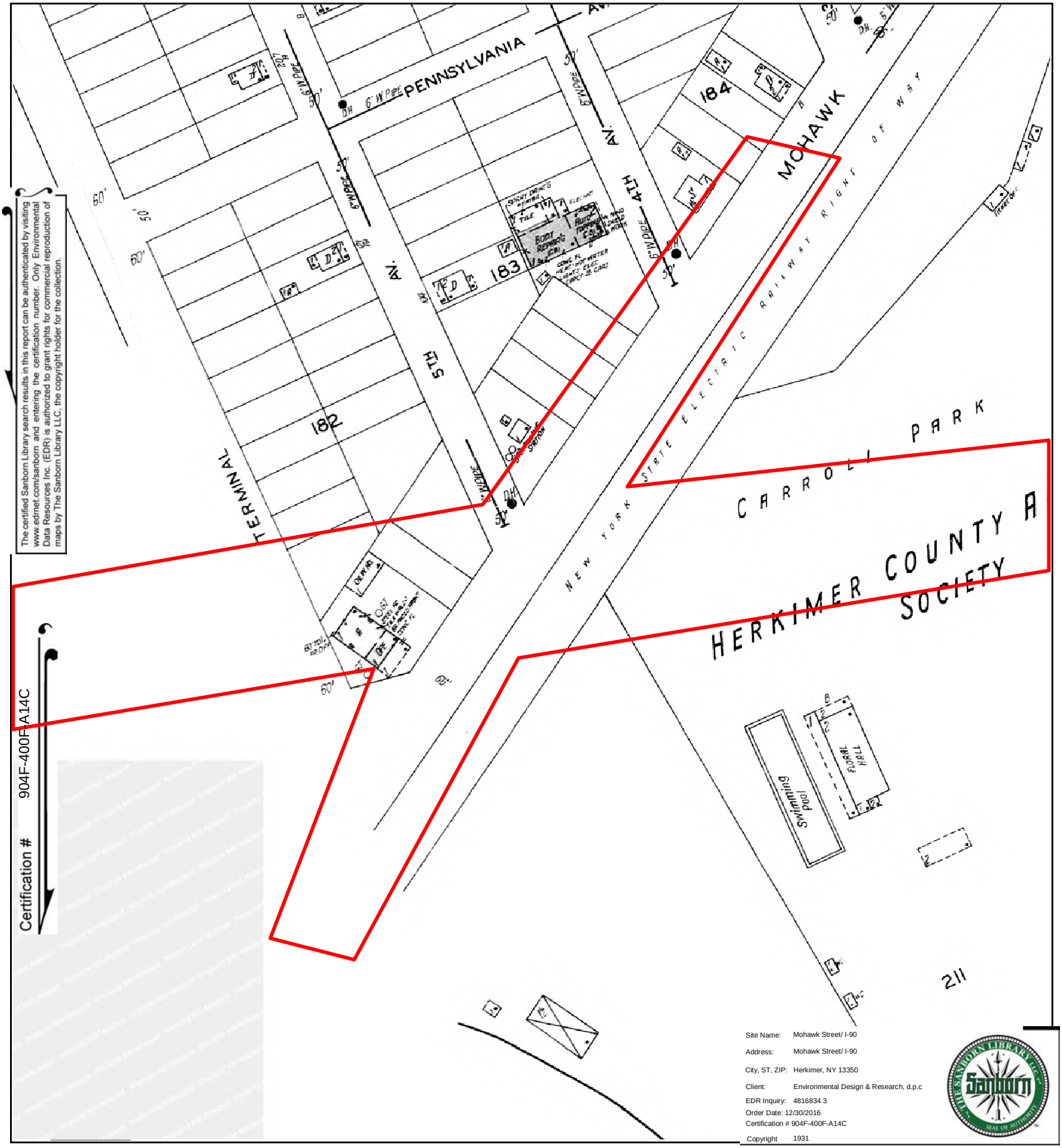




Volume 1, Sheet 26

0 Feet 150 300 600

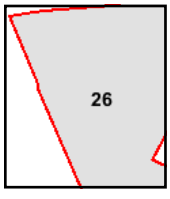
N



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

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

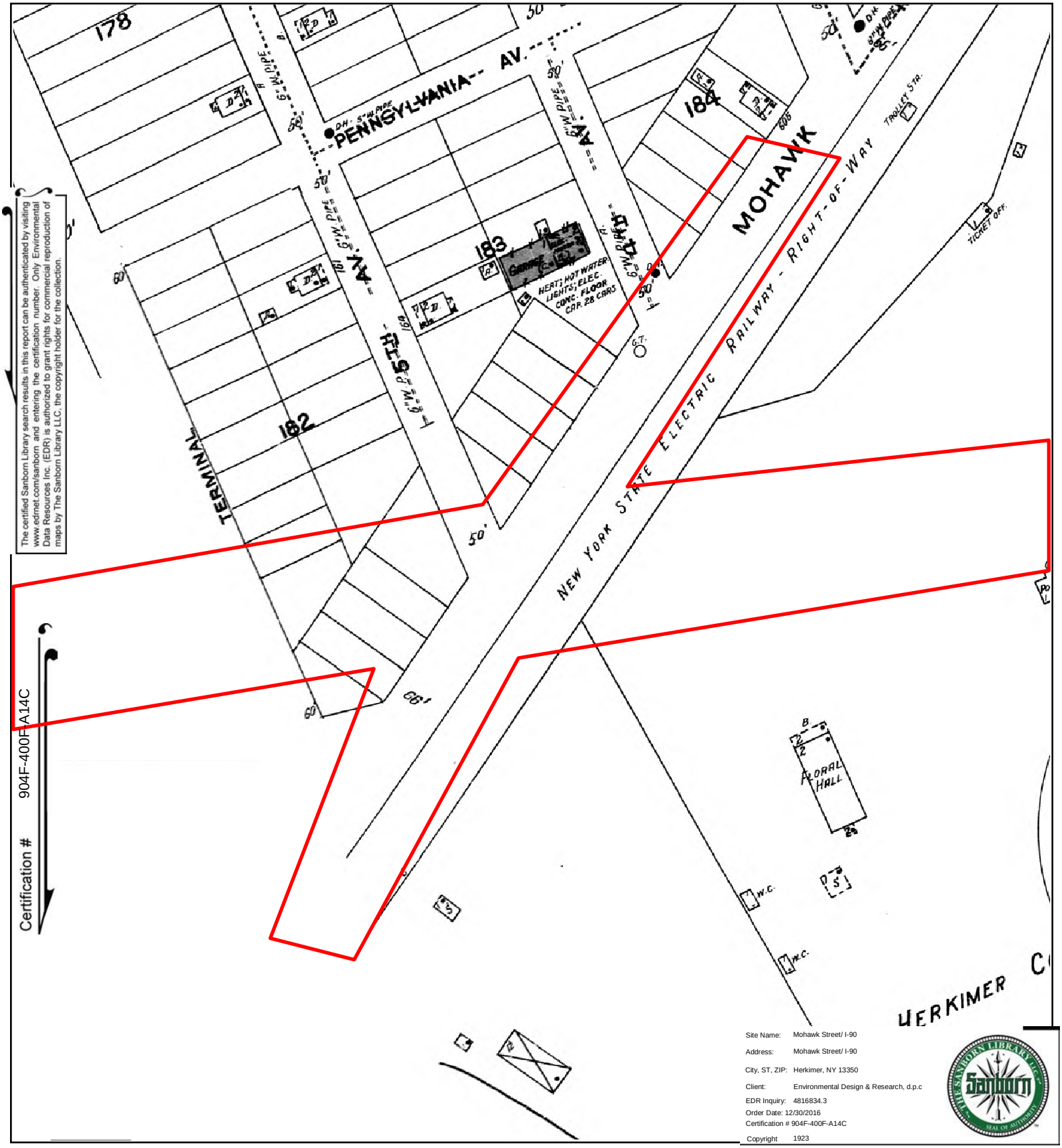




Volume 1, Sheet 26

0 Feet 150 300 600

N



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

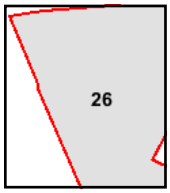
Certification # 904F-400F-A14C

Site Name:	Mohawk Street/ I-90
Address:	Mohawk Street/ I-90
City, ST, ZIP:	Herkimer, NY 13350
Client:	Environmental Design & Research, d.p.c
EDR Inquiry:	4816834.3
Order Date:	12/30/2016
Certification #	904F-400F-A14C
Copyright	1923

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

0 Feet 150 300 600





Volume 1, Sheet 26

N

Appendix D: Historic and Recent Aerial Photographs

Mohawk Street/ I-90

Mohawk Street/ I-90

Herkimer, NY 13350

Inquiry Number: 4816834.5

December 30, 2016

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

12/30/16

Site Name:

Mohawk Street/ I-90
Mohawk Street/ I-90
Herkimer, NY 13350
EDR Inquiry # 4816834.5

Client Name:

Environmental Design & Research, d.p.c
217 Montgomery Street
Syracuse, NY 13202
Contact: Caitlin Graff

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

Search Results:

Year	Scale	Details	Source
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1995	1"=750'	Flight Date: May 08, 1995	USGS
1986	1"=500'	Flight Date: May 12, 1986	USGS
1982	1"=500'	Flight Date: April 28, 1982	USGS
1974	1"=750'	Flight Date: April 27, 1974	USGS
1959	1"=1000'	Flight Date: October 21, 1959	USGS
1956	1"=500'	Flight Date: October 13, 1956	USGS
1942	1"=500'	Flight Date: January 01, 1942	FirstSearch

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.


INQUIRY #: 4816834.5
YEAR: 2011
= 500'
N
EDR



INQUIRY #: 4816834.5

YEAR: 2009

= 500'

N

EDR



INQUIRY #: 4816834.5

YEAR: 2008

= 500'

N

ED.R



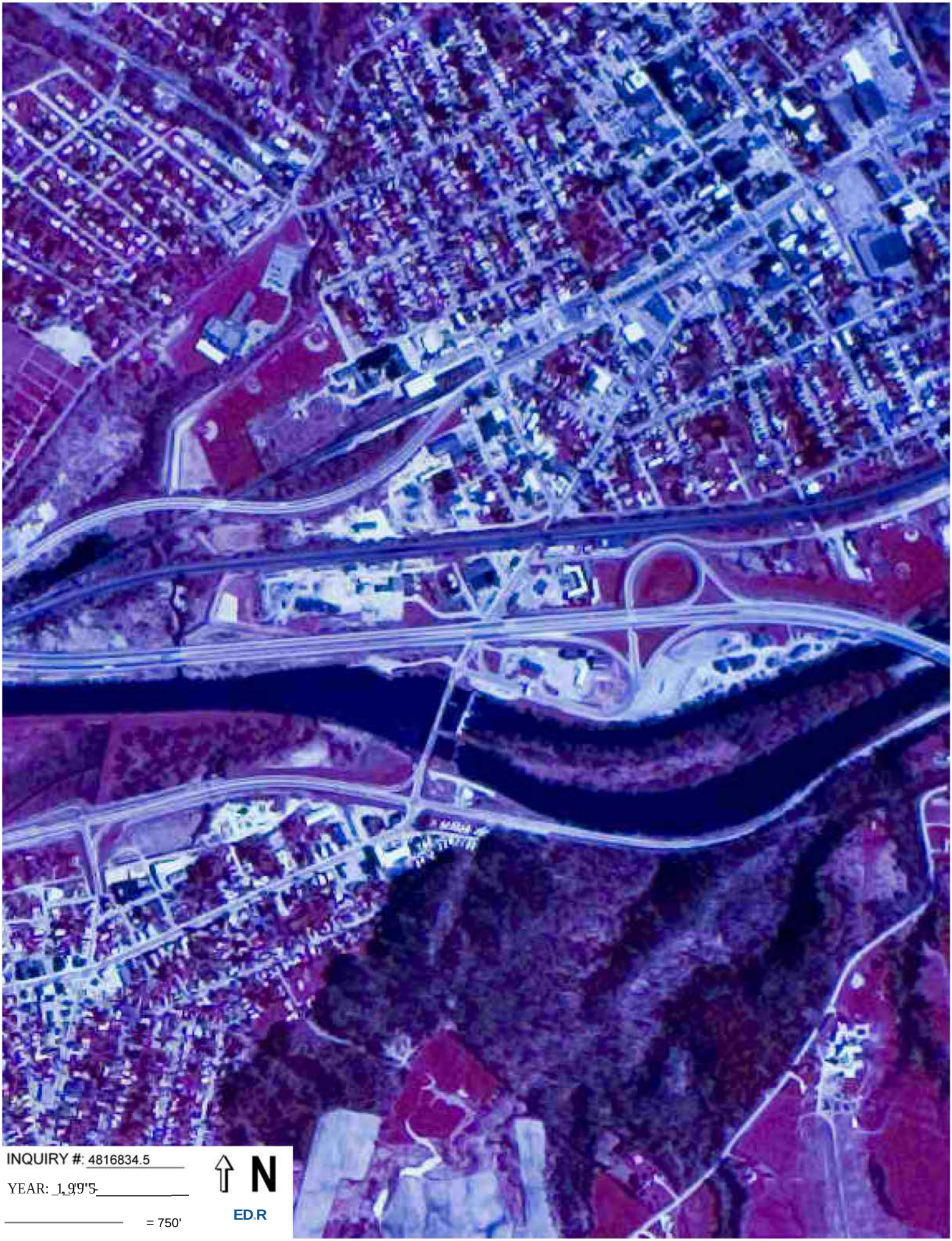
INQUIRY #: 4816834.5

YEAR: 2006

= 500'

N

ED.R


INQUIRY #: 4816834.5
YEAR: 1995
= 750'
N
EDR



INQUIRY #: 4816834.5

YEAR: ~~1995~~ - - - -

= 500'

N

EDR


INQUIRY #: 4816834.5
YEAR: 1=9=86 - - -
= 500'
N
EDR



INQUIRY #: 4816834.5

YEAR: _1=9=82 - - -

= 500'

N

EDR



INQUIRY #: 4816834.5

YEAR: _1=94---- - - -

= 750'

N

ED.R


INQUIRY #: 4816834.5
YEAR: ~~1~~959 - - - -
= 1000'
N
EDR



INQUIRY #: 4816834.5

YEAR: ~~1~~956

= 500'

N

EDR



INQUIRY #: 4816834.5

YEAR: ~~1942~~

= 500'

N

EDR

HAZARDOUS WASTE/CONTAMINATED MATERIALS SCREENING (FINAL)

Replacement of Syracuse Division Bridges

Milepost 238.22: Oriskany Boulevard

BIN 5009929

Town of Whitesboro, Oneida County, New York

Prepared for:

New York State Thruway Authority
200 Southern Blvd.
P.O. Box 189
Albany, NY 12201-0189

Stantec
61 Commercial Street, Suite 100
Rochester, NY 14614
www.stantec.com

Prepared by:

Environmental Design & Research,
Landscape Architecture, Engineering, & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1000
Syracuse, New York 13202
www.edrdpc.com

February 2017

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1

LIMITATIONS 2

1.0 INTRODUCTION 3

2.0 METHODOLOGY 3

2.1 Site Inspection 3

2.2 Past and Current Land Use Research 3

2.3 Records Review 4

3.0 FINDINGS 4

3.1 Site Inspection Findings 4

3.2 Past and Current Land Use Research Findings 5

3.3 Records Review Findings 6

3.4 Locations of Concern 7

4.0 CONCLUSIONS AND RECOMMENDATIONS 8

REFERENCES 10

Attachments

Appendix A: Figures
Appendix B: Site Photographs
Appendix C: Sanborn Maps
Appendix D: Historic and Recent Aerial Photographs

EXECUTIVE SUMMARY

A Hazardous Waste/ Contaminated Materials Screening was conducted for the New York State Thruway bridge over Oriskany Boulevard, at Mile Point (MP) 238.22 on the New York State Thruway (Interstate 90), in the Town of Whitesboro, Oneida County, New York (BIN 5009929). The screening is focused on a Study Area extending approximately 1,500 feet in both the east and west directions along the Thruway from the bridge, as well as a 500-foot corridor in both the north and south directions along Oriskany Boulevard. The Study Area was defined by Stantec. This screening included a review of available records and a Study Area walkover inspection, which was conducted on November 10, 2016. The purpose of this screening is to identify potential areas of environmental concern that may be disturbed during construction.

Based on the information reviewed for this screening, the following is noted:

- A marker indicating the presence of a buried petroleum pipeline was observed along Watkins Street, adjacent to the Study Area. Based on the location of this marker, it is expected that the buried petroleum pipeline runs parallel to the Thruway in an east/west direction adjacent to the Study Area. Prior to excavations for the proposed Project, the location of the pipeline should be confirmed to avoid potential impacts to this pipeline.

- Murnane Associates, Inc., a commercial building contractor, is located adjacent to the Study Area to the north of the Thruway. A storage yard on this parcel was noted to contain building supplies as well as several 55-gallon drums. This property is a registered Petroleum Bulk Storage facility, and which reportedly has one current 1,000-gallon fuel oil Underground Storage Tanks (UST). This facility also has reportedly had historic USTs containing gasoline. No spills or releases have been reported for this adjacent property. However, due to the use of oil and/or hazardous materials (OHM) and proximity to the Study Area, soils excavated adjacent to this parcel should be observed for potential evidence of contamination. As needed, appropriate sampling is recommended.

- The property located at 259 Oriskany Boulevard was identified several times on the database report as a former gas station and auto repair facility with leaking USTs. This parcel is occupied by CMT Auto Sales and Recreation, and reportedly conducts sales and repair of vehicles. One New York State Department of Environmental Conservation (NYSDEC) spill remains open for this property. Based on current operations and open releases at this facility, this property is considered a potential threat to soil and/or groundwater contamination. However, it is located over 400 feet south of the Study Area, and topographically cross to downgradient of the Study Area. It is unlikely that significant contamination from this property has migrated onto the Study Area. However, if excavation at the southern portion of the Study Area results in visual or olfactory evidence of contamination, appropriate sampling is recommended.

- Whitesboro Spring Services at 247-253 Oriskany Boulevard is an active auto repair facility that has had several reported releases of OHM. Although extensive remediation at this site has been reported, reported releases for the property remain open in the NYSDEC records. Based on current operations and open releases at this facility, this property is considered a potential threat to soil and/or groundwater contamination. However, it is located over 500 feet south of the Study Area, and topographically cross to downgradient of the Study Area. It is unlikely that significant contamination from this property has migrated onto the Study Area. If excavation at the southern portion of the Study Area results in visual or olfactory evidence of contamination, appropriate

sampling is recommended.

The following report discusses the complete findings of the Hazardous Waste/ Contaminated Materials Screening.

LIMITATIONS

The findings presented in this screening are based on a description of project activities provided by Stantec, observations noted on the date of the site reconnaissance, and the accuracy and timeliness of the published databases and government records. Should any of the proposed project components change, so may the findings of this screening. Additionally, while this investigation was performed in accordance with the New York State Thruway Authority (NYSTA) Scope of Services provided by Stantec, good commercial and customary practice, and generally accepted protocols, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C. (EDR) cannot guarantee that the property is free of hazardous substances or other materials or conditions. The presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or groundwater samples, which was beyond the scope of this investigation.

This screening was prepared for the exclusive use of Stantec and the NYSTA, and should not be reproduced or disseminated without the written approval of EDR. Use of this report in whole or in part by parties other than Stantec and the NYSTA is prohibited.

1.0 INTRODUCTION

EDR, as sub-consultant to Stantec has been retained to perform a Hazardous Waste/ Contaminated Materials Screening for the New York State Thruway bridge over Oriskany Boulevard, at MP 238.22 on the New York State Thruway, in the Town of Whitesboro, Oneida County, New York. The screening is focused on a Study Area, defined by Stantec, which extends approximately 1,500 feet in both the east and west directions along the Thruway from the bridge, as well as a 500-foot corridor in both the north and south directions along Oriskany Boulevard.

The NYSDOT *Environmental Manual (TEM)* Chapter 4.4.20 was utilized for guidance during this assessment. The project location is indicated on the Regional Project Location Map (Figure 1), and the Study Area is identified on the Site Location Map (Figure 2).

As described in the NYSTA Scope of Services provided by Stantec, this preliminary screening is a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials.

2.0 METHODOLOGY

This assessment included a walkover reconnaissance of the Study Area, a review of existing information about past and current land use, and a review of published databases and government records, including Inactive Hazardous Waste Site Registry, Chemical and Petroleum Bulk Storage records, waste incident/chemical releases reports, and other federal, state, county, and local sources of information (see References). In January, 2017, Environmental Data Resource, Inc. was contracted by EDR to provide a listing of published databases of hazardous waste sites in the vicinity of the Study Area. These databases provide a listing of sites of potential concern as identified by a review of Federal, State and local databases. This database review was supplemented with a review of published databases available through the NYSDEC web site. The environmental database report is available upon request.

2.1 Site Inspection

A walkover site reconnaissance of the Study Area was conducted on November 10, 2016. The walkover was performed in an attempt to identify visual evidence of contamination such as: discolored or stained soil, stressed or dead vegetation, spills, leaks, leachate or discolored water, air emissions or odors, evidence of previous fires, and evidence of oil sheens on water. In addition, the walkover included a visual survey that attempted to identify whether the following are present within the Study Area: underground or aboveground tanks, vent/fill pipes, well casings or riser pipes from monitoring wells, refueling or pump islands, drums or chemical containers, discarded transformers or transformer pads, surface impoundments or lagoons, landfills or dumps, dumpsters or bulk solid waste, railroad tracks or railyards, sumps, drywells, or septic systems.

2.2 Past and Current Land Use Research

Historical mapping and aerial photography are utilized as part of the Hazardous Waste/ Contaminated Materials screening as they serve as an historical reference to prior land use. Historical mapping and aerial photography was reviewed to identify locations where past use(s) could be considered an environmental concern. Examples of how a past land usage

could lead to an environmental concern is the presence of contaminated soils from a former filling station, automotive repair shop, large manufacturing plant, chemical plant, drycleaner, etc. Based on the location of such sites with respect to the Study Area and the specific past land use, the need for further investigation may be eliminated or warranted.

The following resources were researched to establish the past and current land use within the Study Area:

Sanborn Map Review – Sanborn maps for the Study Area were reviewed for the following years: 1894, 1904, 1911, 1925, 1950, 1952, 1969, 1973, and 1986. Supplemental Sanborn maps showing the western boundary of the Study Area were reviewed for the following years: 1925, 1950, 1952, 1973, and 1986. Supplemental Sanborn maps showing the eastern boundary of the Study Area were reviewed for the following years: 1904, 1911, 1925, 1950, 1952, 1969, 1973, and 1986.

Aerial Photographs - Aerial photographs taken in 1941, 1952, 1957, 1960, 1974, 1981, 1985, 1997, 2006, 2008, 2009, and 2011 supplied by Environmental Data Resource, Inc. were reviewed. These aerial photographs are included in Appendix D. Supplemental aerial photography from Google Earth for the years, 1997, 2003, 2006, 2008, 2009, 2011, and 2015, was also reviewed.

2.3 Records Review

A review of Federal, State and local Environmental databases was conducted. Environmental Data Resource, Inc. was contracted by EDR to provide a comprehensive review of Federal, State and local listed data on potential hazardous waste sites in the vicinity of the Study Area. The environmental database report is available upon request. This data search was performed in accordance with ASTM E-1527-05 standards for minimum search distance. The use of the database report allows for a comprehensive listing of sites of potential concern.

United States Environmental Protection Agency (USEPA) and NYSDEC online databases were reviewed and cross-referenced as part of the review process to supplement the environmental database review referenced above.

3.0 FINDINGS

The project is located in the Town of Whitesboro, Oneida County, New York (Figure 2). The project includes the replacement of the existing New York State Thruway bridge (BIN 5009929) over Oriskany Boulevard at MP 238.22. According to Stantec, the purpose of the project is to improve traffic operations and safety of this Thruway bridge.

3.1 Site Inspection Findings

The Study Area was observed to be occupied primarily by the mainline of the New York State Thruway (I-90), a built-up interstate highway which passes over Oriskany Boulevard in the center of the Study Area. The north-south oriented portion of the Study Area is occupied by Oriskany Boulevard. No buildings are located within the Study Area, and no evidence of underground or aboveground tanks, chemical storage/drums, or other evidence of hazardous material releases were observed in the Study Area during the site walkover.

The topography of the Study Area has been substantially modified, as the Thruway is a built-up roadway and bridge,

and much of the eastern portion of the Study Area is also an elevated section of Thruway. The Thruway section at the eastern portion of the Study Area is elevated over Main Street as well as over active railroad tracks. Note that the eastern portion of the Study Area beyond Main Street was not accessible at the time of the site reconnaissance due to locked fencing. Based on EDR's review of aerial photography of this area and a driving survey, the Thruway remains as an elevated highway over active railroad tracks in this area. Further east, the Thruway continues as a built-up interstate highway to the eastern boundary of the Study Area. The areas north and south of the eastern portion of the Thruway are low-lying areas that are undeveloped and largely wooded.

The overall area generally slopes down toward the east. Mapped wetlands are located at-grade within the eastern portion of the Study Area, and the Mohawk River is located approximately 0.5-mile northeast of the Study Area. Groundwater at the Study Area is expected to generally flow to the east/northeast toward the Mohawk River.

Solid waste debris was observed along the side of the Thruway and Oriskany Boulevard within the Study Area; however, evidence of a release of OHM was not noted at the time of the site walkover. Pole-mounted transformers were observed along the boundaries of the Study Area along Oriskany Boulevard. Evidence of leakage was not noted around the transformers observed within or adjacent to the Study Area at the time of the site reconnaissance.

Note that a marker indicating the presence of a buried petroleum pipeline was observed along Watkins Street, adjacent to the Study Area. Based on the location of this marker, it is expected that the buried petroleum pipeline runs parallel to the Thruway in an east/west direction adjacent to the Study Area.

Properties in the immediate vicinity of the Study Area include:

- Crosspoint Church is located at the northwest corner of the intersection of the Thruway and Oriskany Boulevard, just south of Wood Road.
- West of the Crosspoint Church along Wood Road (north of the Study Area) is a parcel occupied by Murnane Associates, Inc., a commercial building contractor. A storage yard on this parcel was noted to contain building supplies as well as several 55-gallon drums.
- Southwest of the Study Area, Oriskany Boulevard and Foster Street are developed with a mix of residential and commercial properties. Further west is undeveloped land, followed by a network of residential streets.
- The parcel immediately southeast of the bridge intersection is occupied by an American Freight Furniture and Mattress commercial facility.
- Residential properties are located north and south of the elevated section of Thruway at the eastern portion of the Study Area, along Watkins Street and Main Street.
- Further east, the elevated Thruway continues, and crosses over active railroad tracks. Beyond the railroad tracks, the Thruway continues as a built-up interstate highway, with undeveloped and largely wooded areas to the north and south.

Photographs obtained during the walkover site inspection of the Study Area are included in Appendix B.

3.2 Past and Current Land Use Research Findings

The Sanborn Map review for the Study Area (Appendix C) identified the following:

- Between 1894 and 1904, the Study Area was shown as primarily vacant on Sanborn Maps. Scattered

residences were present to the east of the Study Area along Main Street.

- In the 1911 Sanborn Map, the Erie Canal crossed through the Study Area in a north/south orientation in the approximate location of Oriskany Boulevard. Scattered residences were present to the south and east of the Study Area, and the Whitesboro Canning Company was present to the northwest along the Erie Canal.
- In 1925, the Erie Canal was no longer present in the Study Area, but Oriskany Boulevard had not yet been constructed. The road currently called Wood Road to the northwest was labeled as Valley Road. Scattered residences were present in the vicinity of the Study Area, particularly to the east along Main Street. Railroad tracks were present to the east.
- In the 1950 and 1952 Sanborn Maps, the Thruway had not yet been developed. Roadways including Oriskany Boulevard, Foster Street, Watkins Street, Woods Road, and Dales Road were present. An additional road, Brierly Avenue, led north off Watkins Street and was occupied by residential properties. The vicinity roads were occupied primarily by dwellings, with scattered commercial development. Railroad tracks were present at the eastern portion of the Study Area.
- Between 1969 and 1986, the Study Area remained largely consistent. The Thruway was present, as well as Oriskany Boulevard. During this time, Wood Road northwest of the Study Area appears to cross under the Thruway and connect with Foster Street. The area surrounding the Study Area was occupied primarily by residential properties, both single-family residences, and a few small apartment buildings to the southeast. Two restaurants were also present along Oriskany Boulevard. The property to the northwest of the bridge intersection is identified as vacant. The railroad tracks at the eastern portion of the Study Area were present. A truck repair facility to the northwest of the Study Area along Dale Road.

Aerial photographs reviewed for the Study Area (Appendix D) were consistent with the findings of the Sanborn Map review.

Additional discussion of the findings of the historical mapping and aerial photography review is included in the discussion of the properties and/or locations of concern in Section 3.3 of this report, if warranted.

3.3 Records Review Findings

Table 1 summarizes the information available through the Environmental Data Resource, Inc. database search and supplemented through a review on line databases, an understanding of the Study Area, and a site reconnaissance.

Table 1: Environmental Records Review

Standard Environmental Record Sources	Minimum Search Distance – ASTM Standard: miles (kilometers)	No. of Listed Properties[1]
Federal NPL Site List	1.0 (1.6)	0
Federal Delisted NPL Site List	0.5 (0.8)	0
Federal CERCLIS List (SEMS)	0.5 (0.8)	0
Federal CERCLIS NFRAP Site List (SEMS Archive)	0.5 (0.8)	0
Federal RCRA CORRACTS Facilities List	1.0 (1.6)	0
Federal RCRA non-CORRACTS TSD Facilities List (RCRA-TSDF)	0.5 (0.8)	0
Federal RCRA Generators List	Property and adjoining properties only	0
Federal Institutional Control/ Engineering Control Registries	Property only	0
Federal ERNS List	Property only	0
State equivalent NPL	1.0 (1.6)	1

Standard Environmental Record Sources	Minimum Search Distance – ASTM Standard: miles (kilometers)	No. of Listed Properties[1]
State equivalent CERCLIS (Inactive Hazardous Waste Disposal Sites – SHWS)	0.5 (0.8)	0
State Landfill and/or Solid Waste Disposal Site Lists (Solid Waste Facility/Landfill – SWF/LF)	0.5 (0.8)	0
State Leaking Storage Tank Lists (LTANKS)	0.5 (0.8)	11
State Registered Storage Tank Lists (UST/AST)	0.25 (0.4)	8
State Institutional Control/Engineering Control Registries	Property only	0
State Voluntary Cleanup Sites	0.5 (0.8)	0
State Brownfield Sites	0.5 (0.8)	0
Additional Environmental Record Sources:		
Federal FINDS	Property only	0
Local List of Registered Storage Tanks (NY HIST UST/AST)	0.25 (0.4)	8
State Leaking Storage Tank Lists (HIST LTANKS)	0.5 (0.8)	0
NY Spills	0.125 (0.2)	8
Federal RCRA – NonGen	0.25 (0.4)	3
State Manifest Records	0.25 (0.4)	0

[1]Sites may be listed in more than one database.

3.4 Locations of Concern

Based on the site inspection and records review, sites identified as potentially posing a negative impact on the proposed project are described below:

335 Oriskany Boulevard

The property at 335 Oriskany Boulevard (approximately 150 feet north of the Study Area) is identified on the database report as a historic drycleaner, which was a generator of hazardous waste. This property is no longer registered as a hazardous waste generator. This property is currently occupied by the EZ Wash Laundromat. No RCRA violations or releases were identified on the database report for this property.

Wood Road: Murnane Associates

Murnane Associates on Wood Road is located adjacent to the Study Area to the northwest. This property is a registered Petroleum Bulk Storage facility, and which reportedly has one current 1,000-gallon fuel oil UST. This facility also has reportedly had historic USTs containing gasoline. No spills or releases have been reported for this adjacent property.

259 Oriskany Boulevard

This property was identified several times on the database report as both Mario's Sunoco Service and Tony's Sunoco. This address is listed as having several NYSDEC reported spills, as well current and historic USTs, and leaking USTs. The property is also listed as a historic auto repair facility. This parcel is occupied by CMT Auto Sales and Recreation, and reportedly conducts sales and repair of cars, trucks, and power sports equipment (jet skis, etc.). One NYSDEC spill remains open for this property.

247-253 Oriskany Boulevard

This property is occupied by Whitesboro Spring Services, which is an automotive repair facility. It is listed as a

NYSDEC Spill site, a leaking UST site, and has had several historic USTs, as well as one current 500-gallon fuel oil UST. Remediation at this site has reportedly included the removal of leaking USTs, the excavation of contaminated soils, and groundwater monitoring. Although extensive remediation at this site is reported, reported releases for the property remain open in the NYSDEC records.

Conrail: I 90, MP 237.6

A NYSDEC Spill site was mapped within the Study Area. This release occurred in 1987, and was identified as vandalism of batteries that were left out overnight by a contractor, near the intersection of the Thruway and the Conrail railroad tracks. Battery acid was reportedly released to the environment. The spill was closed by the NYSDEC in 1988, indicating that no additional remedial actions are required.

Woods Road: Rt 69 Woods Road

A NYSDEC spill was reported at this location in 1990, which was identified as being at the northeast boundary of the Study Area. This spill involved a 55-gallon drum in the back of a pick-up truck that tipped over, and released up to 10 gallons of gasoline. The material was reportedly cleaned up, and the spill was listed as closed by the NYSDEC in 1990.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the information reviewed and the site inspection the following items of environmental concern were identified:

- A petroleum pipeline marker was noted along Watkins Street adjacent to the Study Area, indicating that a buried petroleum pipeline is present. Prior to excavations for the proposed Project, the location of the pipeline should be confirmed to avoid potential impacts.

- Murnane Associates, north of the Thruway, was noted to contain building supplies as well as several 55-gallon drums. This property was listed on the database to have current and historic USTs. No spills or releases have been reported for this adjacent property. However, due to the use of OHM and proximity to the Study Area, soils excavated adjacent to this parcel should be observed for potential evidence of contamination. As needed, appropriate sampling is recommended.

- The property located at 259 Oriskany Boulevard was identified several times on the database report as a former gas station and auto repair facility with leaking USTs. This parcel is occupied by CMT Auto Sales and Recreation, and reportedly conducts sales and repair of vehicles. One NYSDEC spill remains open for this property. Based on current operations and open releases at this facility, this property is considered a potential threat to soil and/or groundwater contamination. However, it is located over 400 feet south of the Study Area, and topographically cross to downgradient of the Study Area. It is unlikely that significant contamination from this property has migrated onto the Study Area. However, if excavation at the southern portion of the Study Area results in visual or olfactory evidence of contamination, appropriate sampling is recommended.

- Whitesboro Spring Services at 247-253 Oriskany Boulevard is an active auto repair facility that has had several reported releases of OHM. Although extensive remediation at this site has been reported, reported releases for the property remain open in the NYSDEC records. Based on current operations and open releases at this facility, this property is considered a potential threat to soil and/or groundwater contamination. However, it is

located over 500 feet south of the Study Area, and topographically cross to downgradient of the Study Area. It is unlikely that significant contamination from this property has migrated onto the Study Area. If excavation at the southern portion of the Study Area results in visual or olfactory evidence of contamination, appropriate sampling is recommended.

Note that this preliminary screening is intended to be a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials. The findings presented in this screening are based on the proposed project activities, observations noted at the time of the site walkover, and the accuracy and timeliness of the published databases and government records. Should any of the proposed project components change, so may the findings of this report. As noted in the Limitations section above, EDR cannot guarantee that the property is free of hazardous substances or other materials or conditions. The presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or groundwater samples, which was beyond the scope of this investigation.

REFERENCES

Environmental Data Resources, Inc. 2017. *The EDR Radius Map Report with GeoCheck.* January 13, 2017.

Environmental Data Resources, Inc. 2017. *Certified Sanborn Map Report.* January 19, 2017 (Appendix C).

Environmental Data Resources, Inc. 2017. *The EDR Aerial Photo Decade Package*. January 13, 2017 (Appendix D).

New York State Department of Environmental Conservation. 2017. *Spills Incident Database Search*. Available at: https://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=2

New York State Department of Environmental Conservation. 2017. *Bulk Storage Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=4

New York State Department of Environmental Conservation. 2017. *Environmental Site Remediation Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3

Environmental Protection Agency. 2016. *National Priorities List (NPL) Sites – by State*. Available at: https://www.epa.gov/superfund/national-priorities-list-npl-sites-state

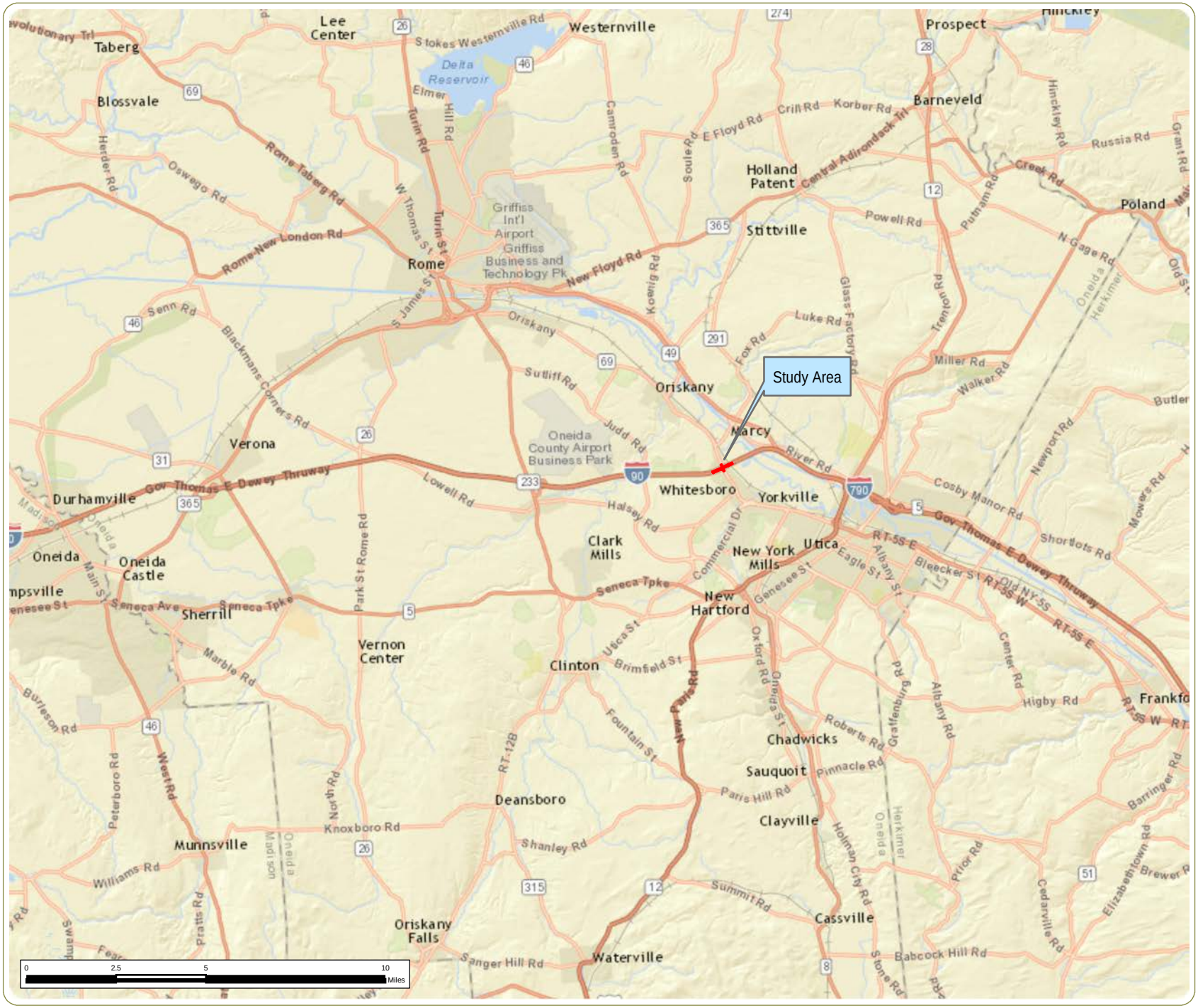
Appendix A: Figures

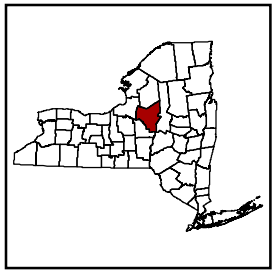
Replacement of Syracuse Division Bridges

Town of Whitesboro,
Oneida County, New York

Figure 1. Regional Project Location - Oriskany Boulevard, Whitesboro, NY, MP 238.22 (BIN 5009929)

February 2017





Notes:
1. Basemap: ESRI ArcGIS Online "World Street Map" Map Service.
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

www. edrdpc. com



Replacement of Syracuse Division Bridges

Town of Whitesboro,
Oneida County, New York

Figure 2. Study Area - Oriskany Boulevard, Whitesboro, NY
MP 238.22
(BIN 5009929)

February 2017

Study Area

Notes:
1. Basemap: ESRI ArcGIS Online "World Imagery" Map Service
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

www. edrdpc. com

Appendix B: Site Photographs



Photo 1

View of bridge from Crosspoint Church, facing SE



Photo 2

View facing north along Oriskany Boulevard



Photo 3

View of bridge from American Freight & Mattress, facing NW



Photo 4

View from American Freight & Mattress, facing south along Oriskany Boulevard



Photo 5

View of underground petroleum pipeline marker, facing east along Watkins Street



Photo 6

Underside of Thruway bridge that crosses Main Street, at eastern portion of Study Area



Photo 7

Example of solid waste debris noted at edge of Study Area; elevated section of Thruway over Main Street visible



Photo 8

Construction materials and drums noted at Murnane Associates, adjacent to Study Area

Appendix C: Sanborn Maps

MP 238.22
Oriskany Blvd
Whitesboro, NY 13492

Inquiry Number: 4827840.3
January 19, 2017

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

01/19/17

Site Name:	Client Name:
MP 238.22	Environmental Design & Research, d.p.c
Oriskany Blvd	217 Montgomery Street
Whitesboro, NY 13492	Syracuse, NY 13202
EDR Inquiry # 4827840.3	Contact: Caitlin Graff

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Environmental Design & Research, d.p.c were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 1EB1-4BBE-8D23

PO # NA

Project 16134-3

Maps Provided:

1986	1894
1973	
1969	
1952	
1950	
1925	
1911	
1904	

Sanborn® Library search results

Certification #: 1EB1-4BBE-8D23

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Sanborn Sheet Key

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

1986 Source Sheets



Volume 2, Sheet 249

1973 Source Sheets



Volume 2, Sheet 249

1969 Source Sheets



Volume 2, Sheet 249

1952 Source Sheets



Volume 2, Sheet 249

Sanborn Sheet Key

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

1950 Source Sheets



Volume 2&3, Sheet 238



Volume 2&3, Sheet 249

1925 Source Sheets

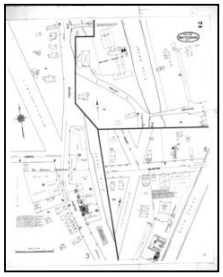


Volume 2&3, Sheet 238



Volume 2&3, Sheet 249

1911 Source Sheets



Volume 1, Sheet 2

1904 Source Sheets



Volume 1, Sheet 2

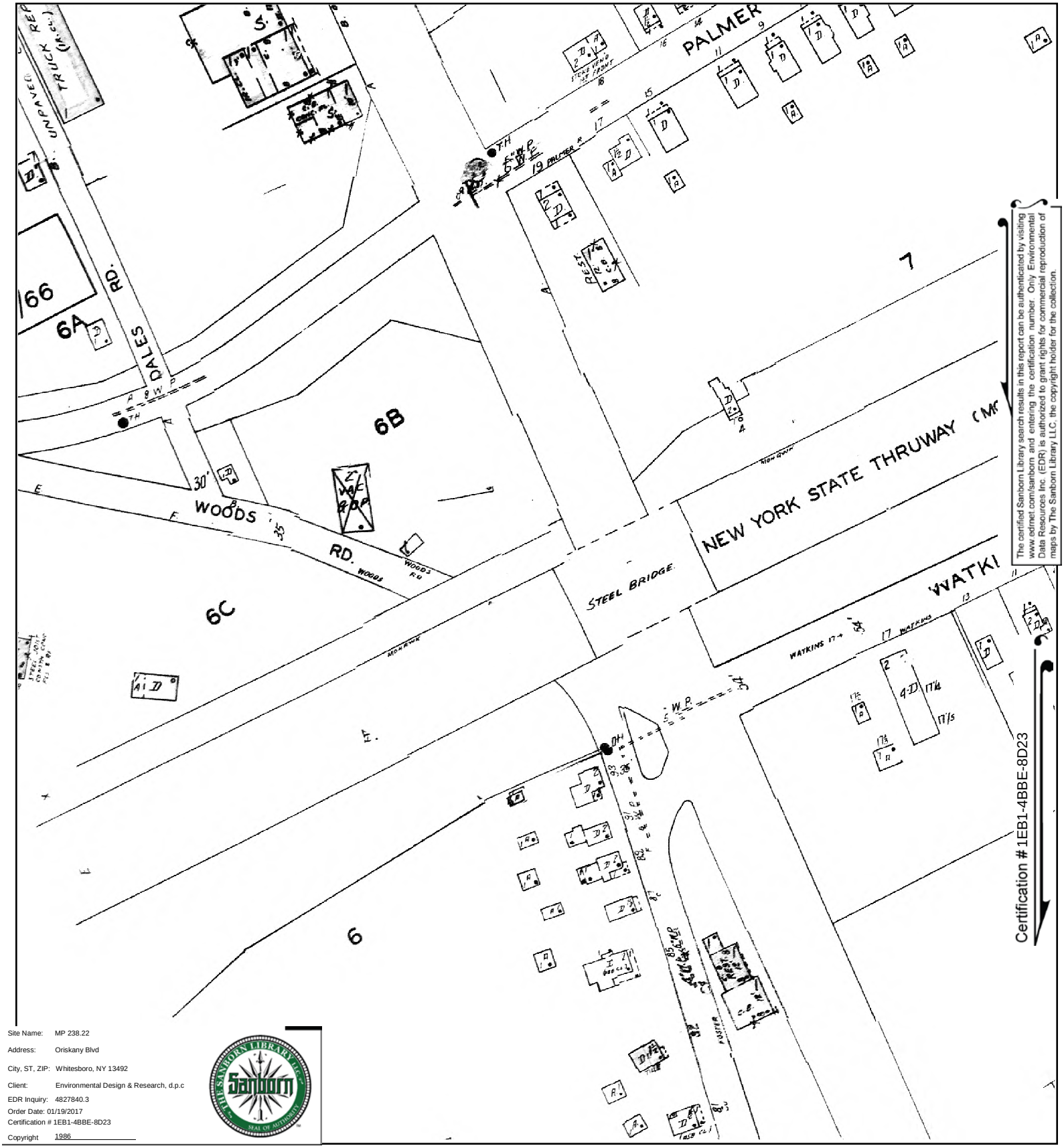
Sanborn Sheet Key

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

1894 Source Sheets



Volume 1, Sheet 2



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

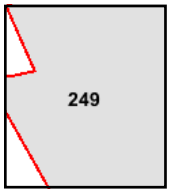
Certification #1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1986

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

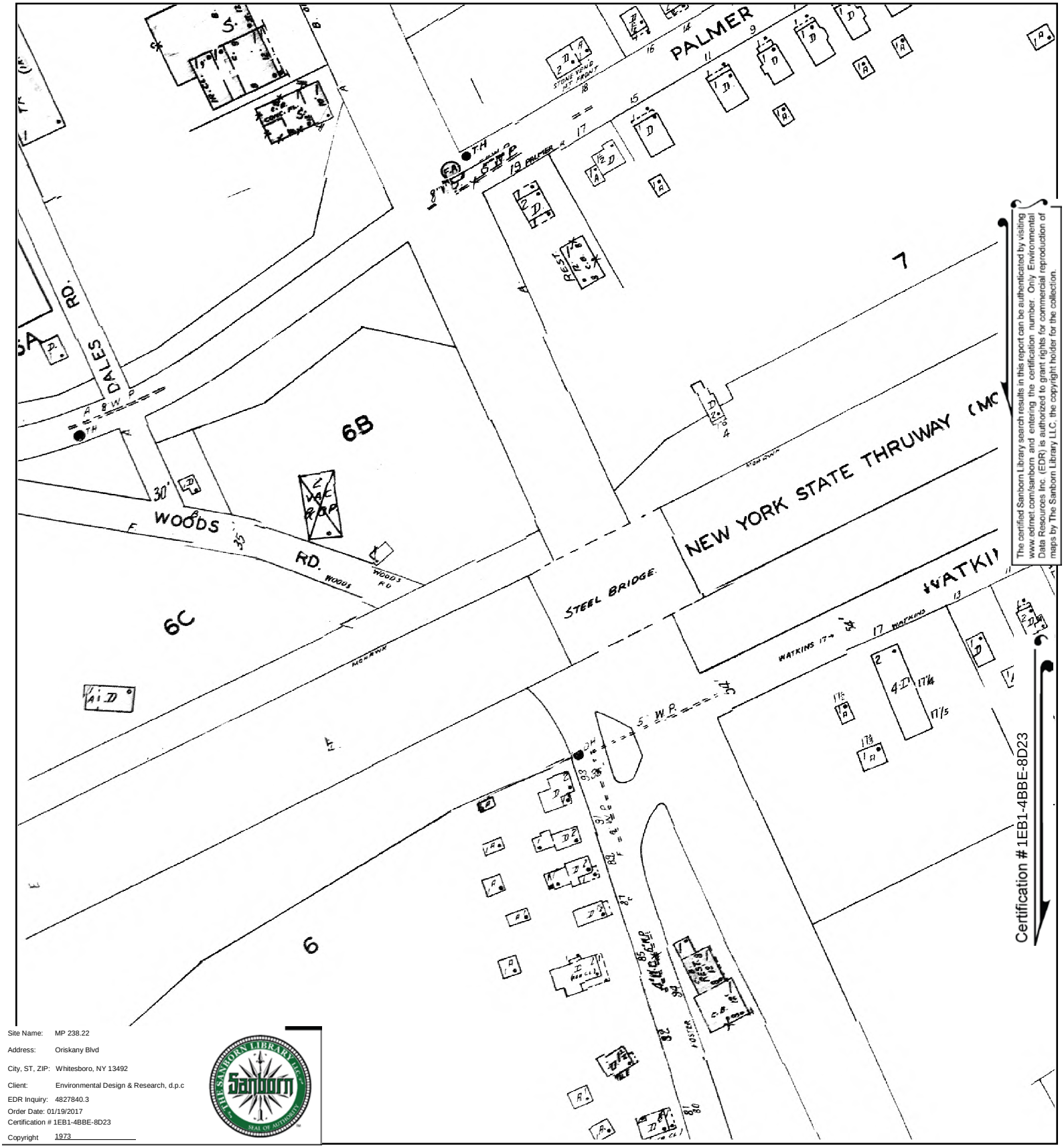
0 Feet 150 300 600





Volume 2, Sheet 249

N



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

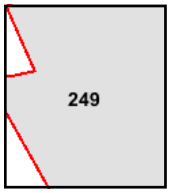
Certification #1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1973

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

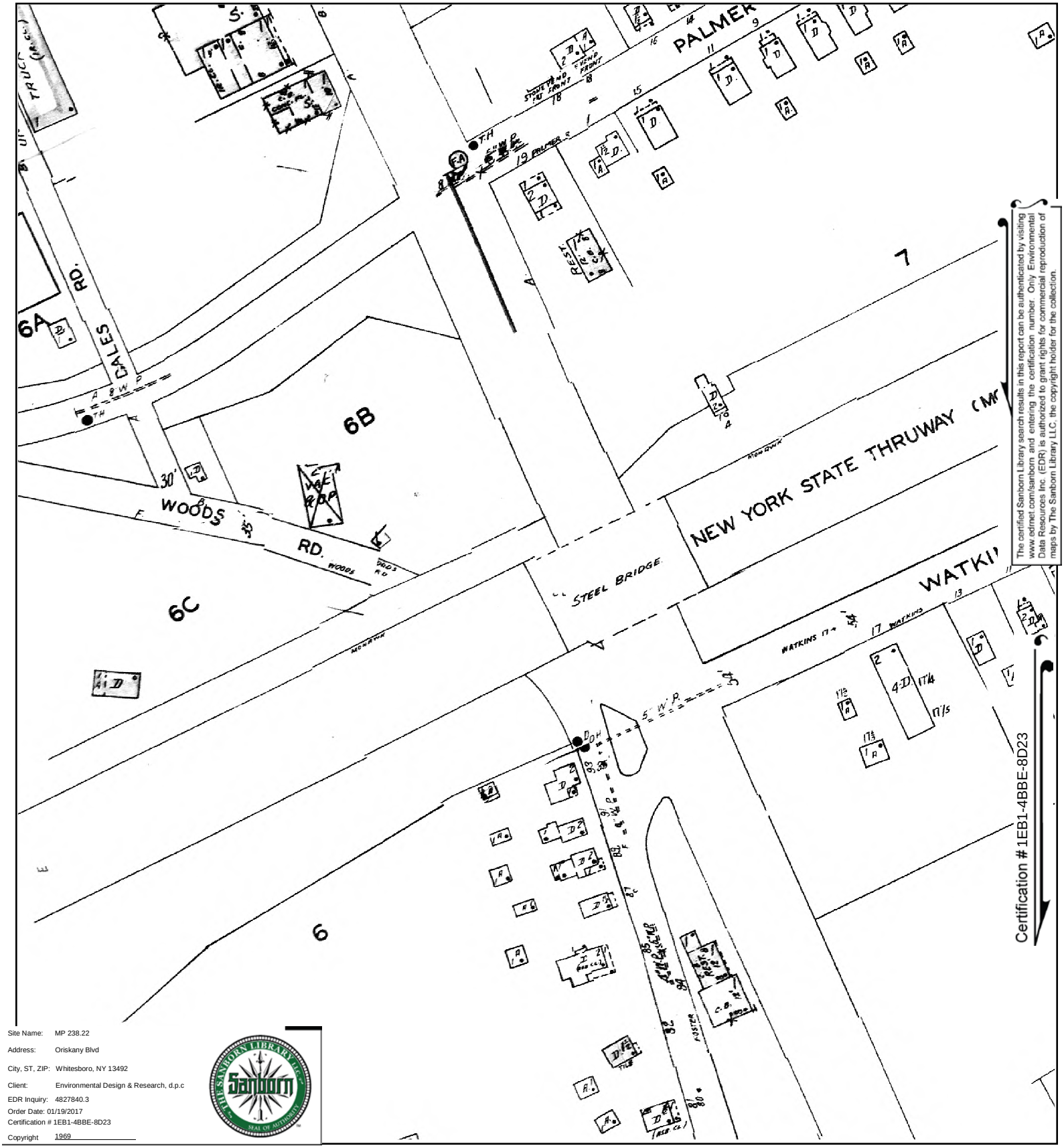
0 Feet 150 300 600





Volume 2, Sheet 249

N



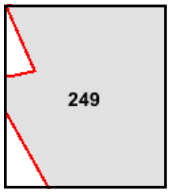
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1969

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

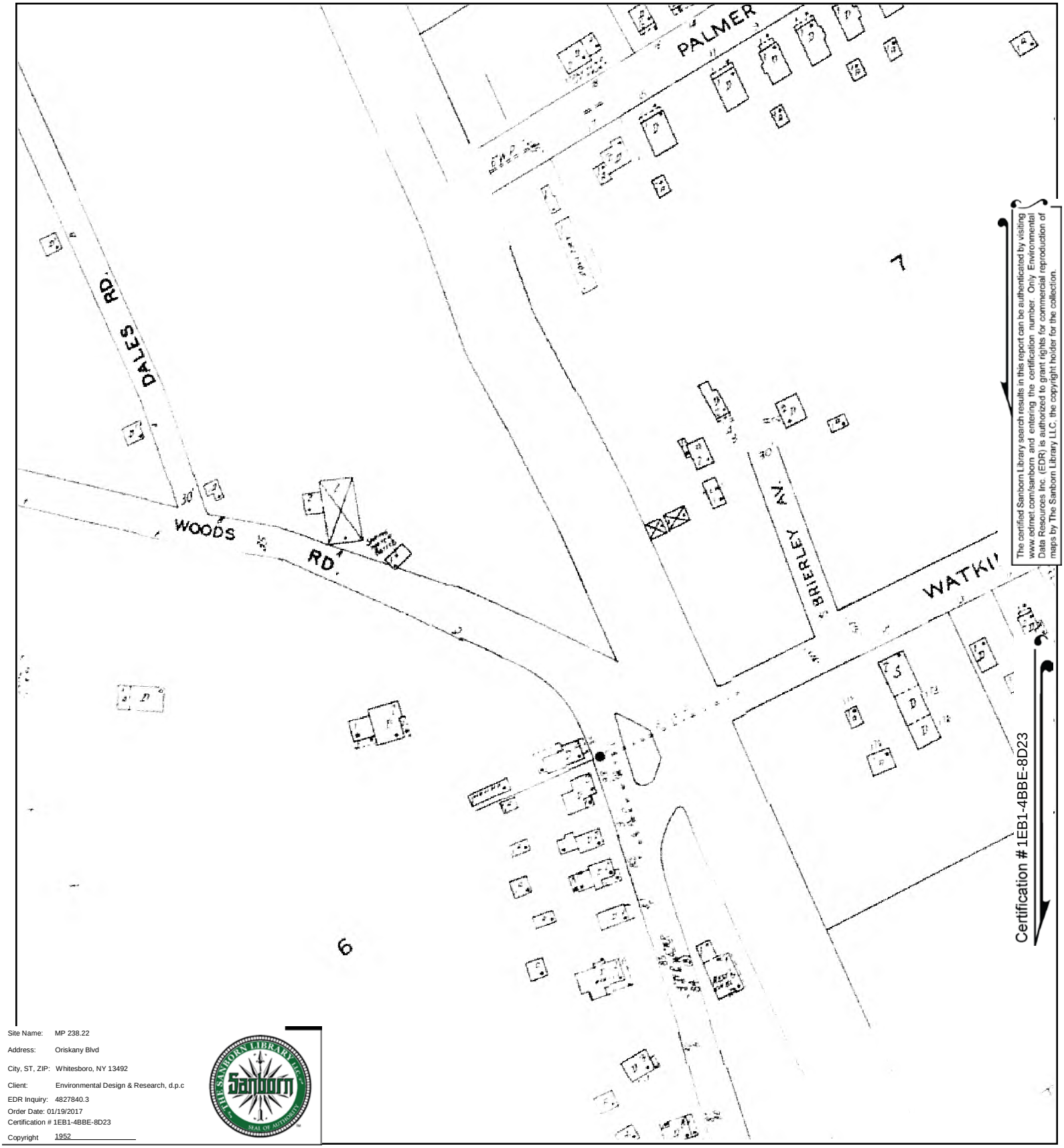
0 Feet 150 300 600





Volume 2, Sheet 249

N



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

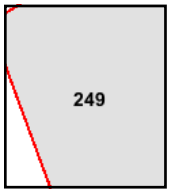
Certification #1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1952

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

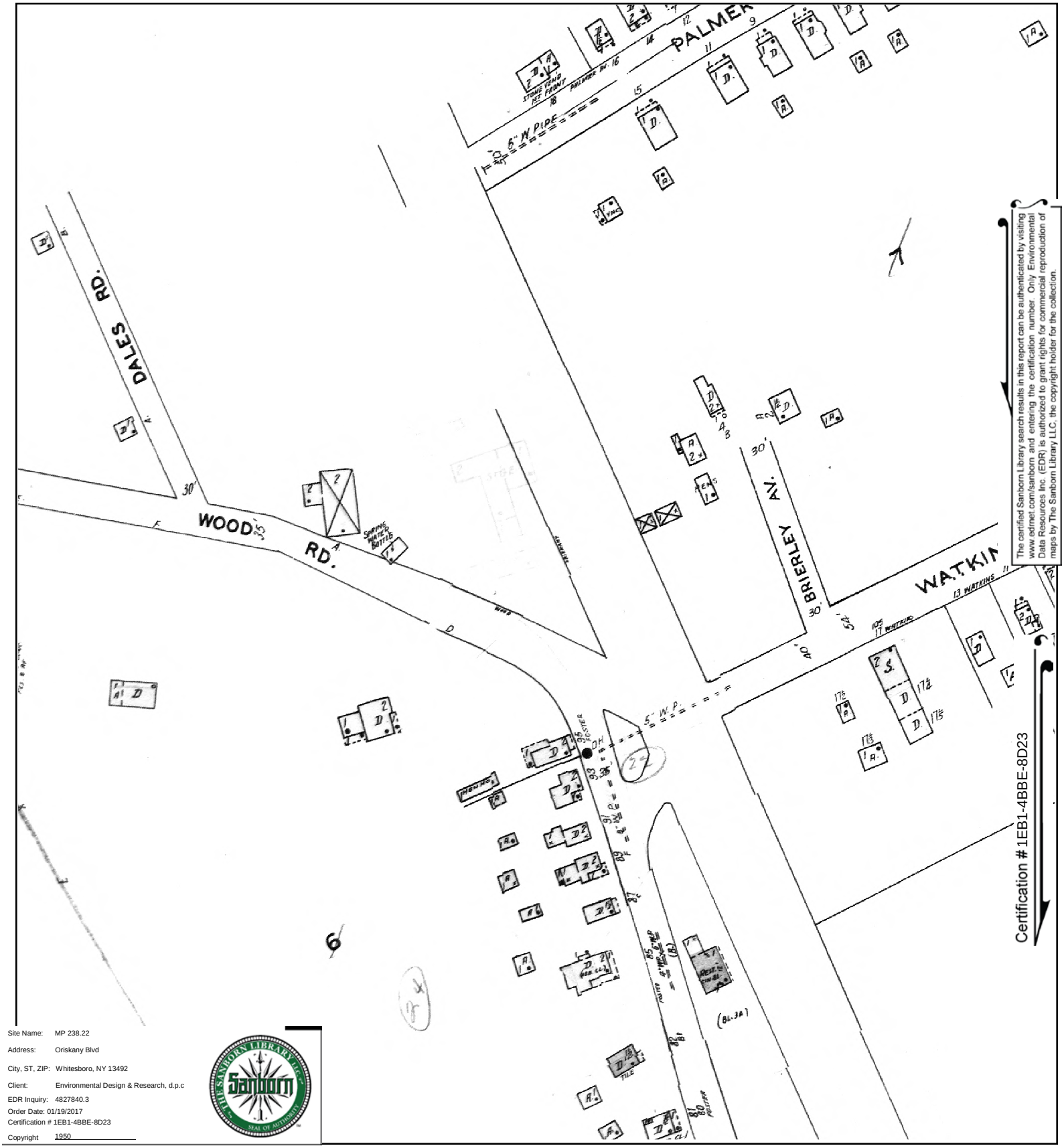
0 Feet 150 300 600





Volume 2, Sheet 249

N



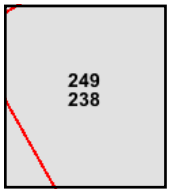
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1950

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

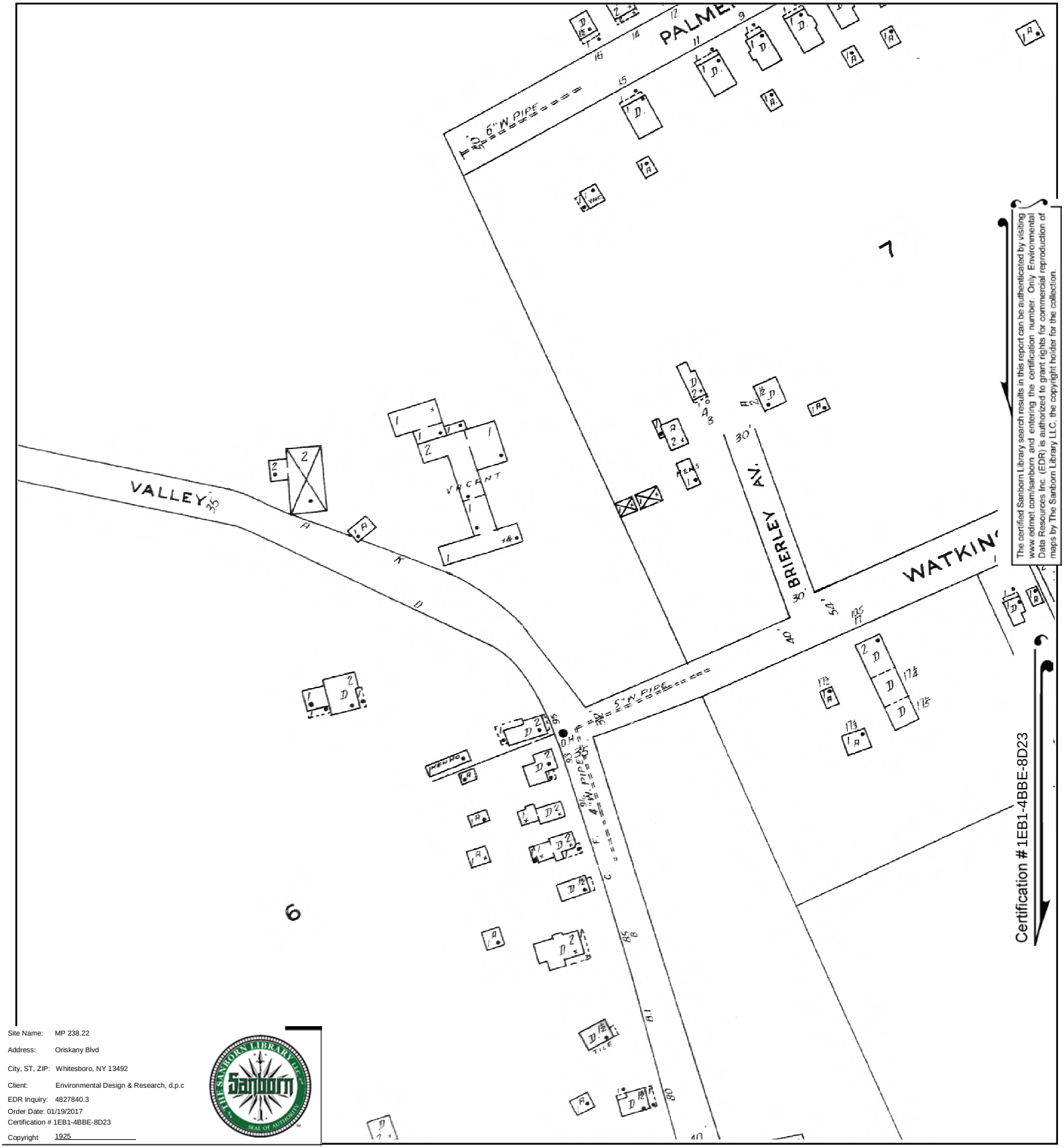




Volume 2&3, Sheet 249
Volume 2&3, Sheet 238

0 Feet 150 300 600

N



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

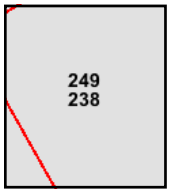
Certification # 1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1925

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

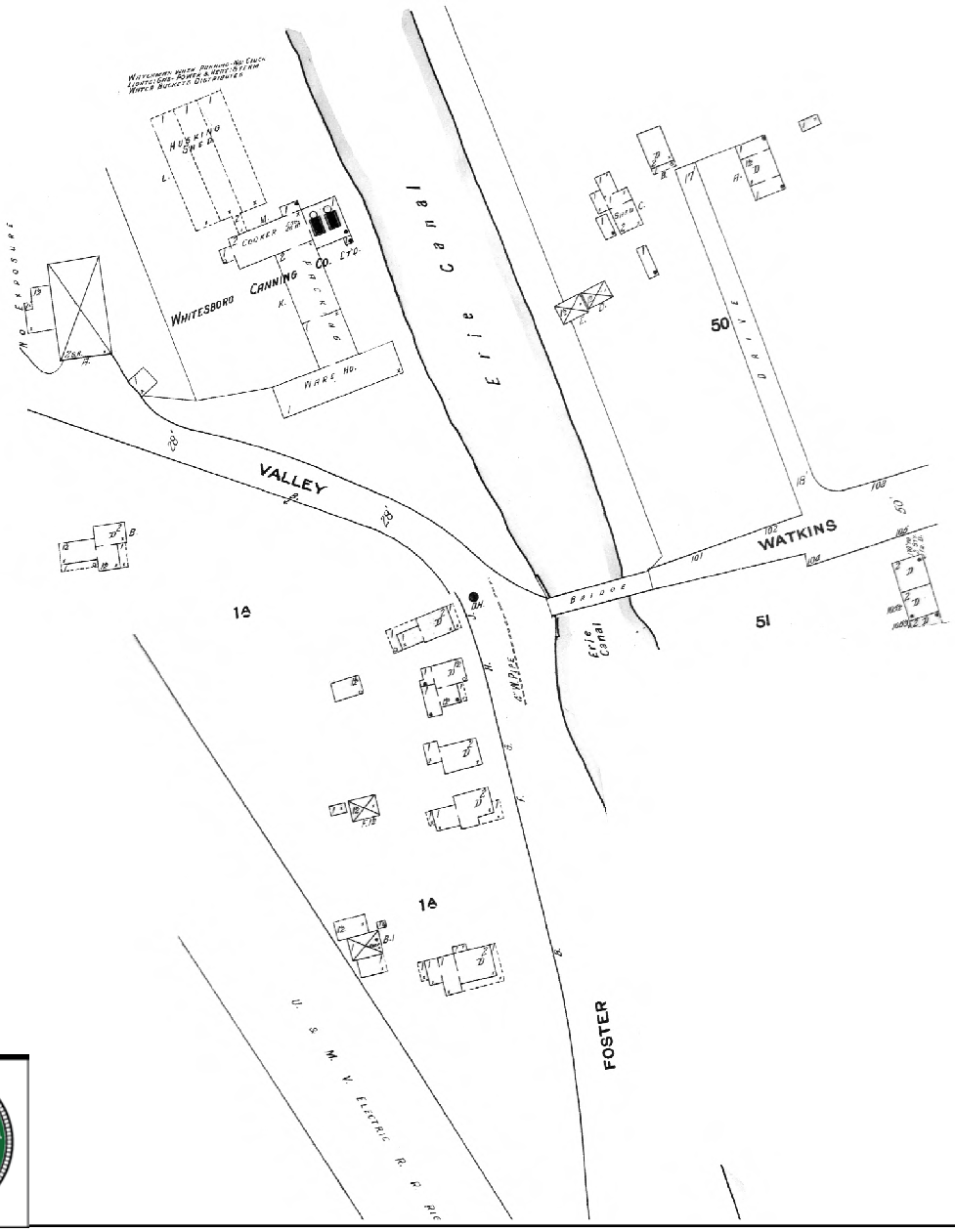
0 Feet 150 300 600





Volume 2&3, Sheet 249
Volume 2&3, Sheet 238

N



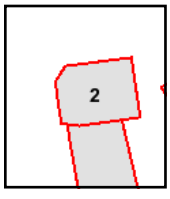
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1911

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





Volume 1, Sheet 2

0 Feet 150 300 600

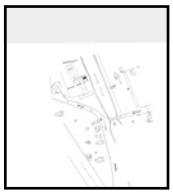
N

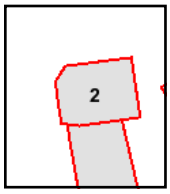
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn, and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1904

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





Volume 1, Sheet 2

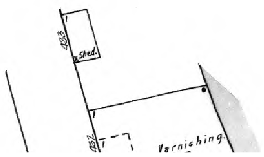
0 Feet 150 300 600

N

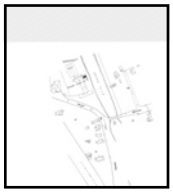
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn, and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

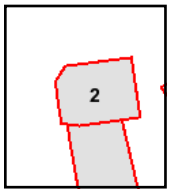
Certification # 1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1894



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





Volume 1, Sheet 2

0 Feet 150 300 600

N

MP 238.22
Oriskany Blvd
Whitesboro, NY 13492

Inquiry Number: 4827840.3
January 19, 2017

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

01/19/17

Site Name:

MP 238.22
Oriskany Blvd
Whitesboro, NY 13492
EDR Inquiry # 4827840.3

Client Name:

Environmental Design & Research, d.p.c
217 Montgomery Street
Syracuse, NY 13202
Contact: Caitlin Graff

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Environmental Design & Research, d.p.c were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 1EB1-4BBE-8D23

PO # NA

Project 16134-3

Maps Provided:

1986
1973
1969
1952
1950
1925

Sanborn® Library search results

Certification #: 1EB1-4BBE-8D23

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Sanborn Sheet Key

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

1986 Source Sheets



Volume 2, Sheet 249

1973 Source Sheets



Volume 2, Sheet 249

1969 Source Sheets



Volume 2, Sheet 249

1952 Source Sheets



Volume 2, Sheet 249

Sanborn Sheet Key

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

1950 Source Sheets



Volume 2&3, Sheet 238



Volume 2&3, Sheet 249

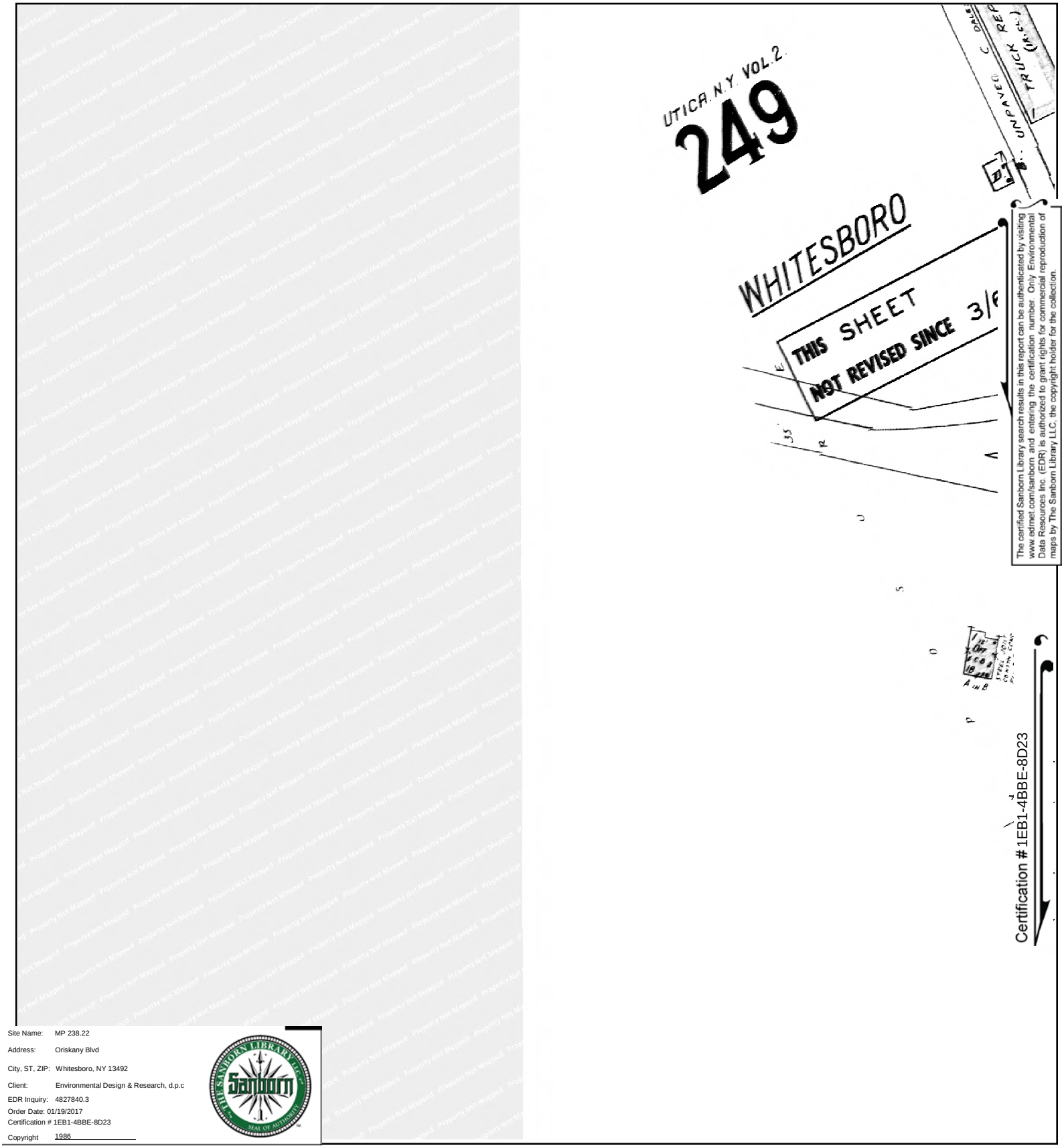
1925 Source Sheets



Volume 2&3, Sheet 238



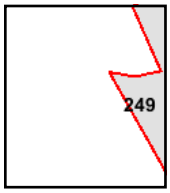
Volume 2&3, Sheet 249



Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1986

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

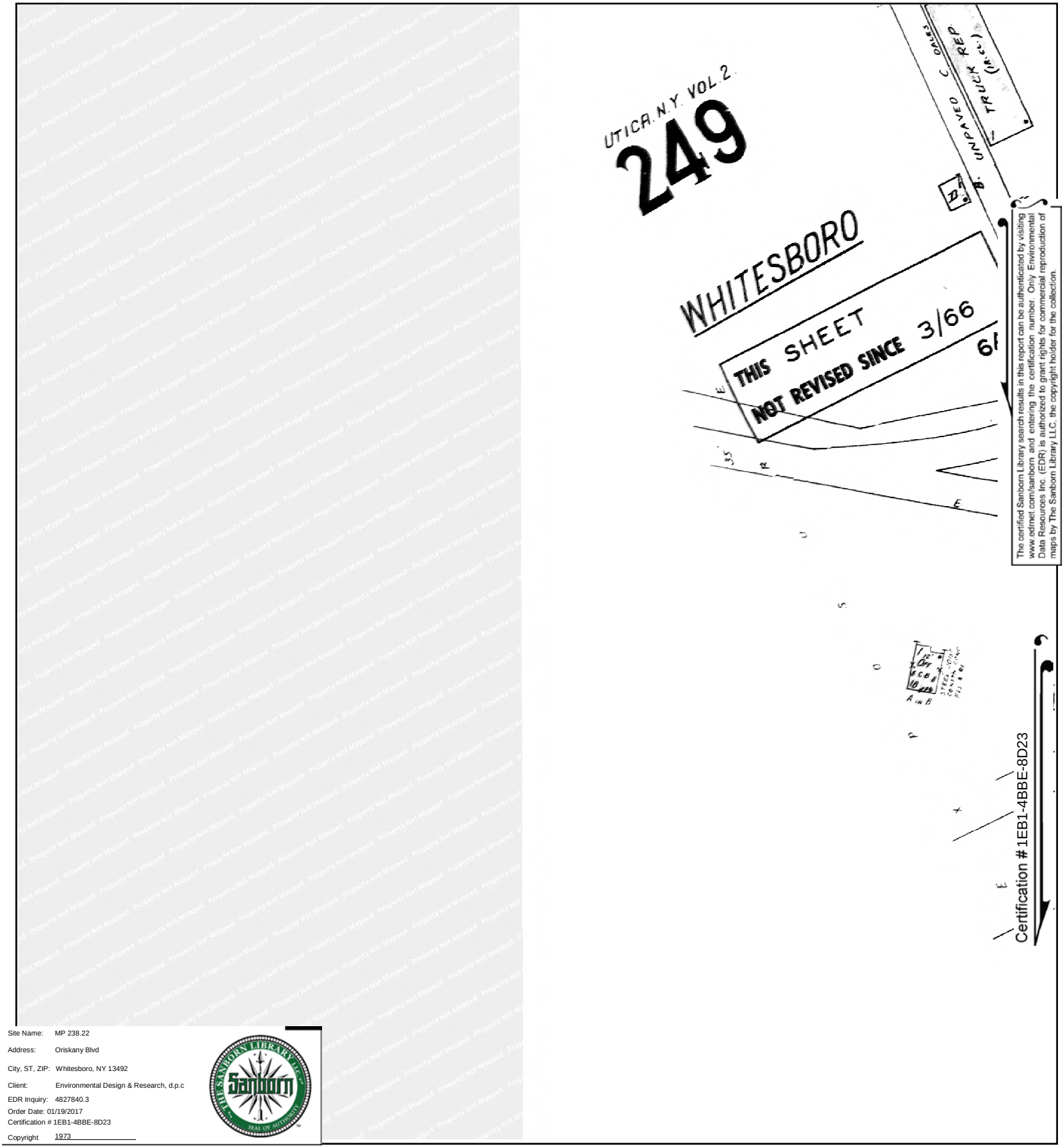




Volume 2, Sheet 249

0 Feet 150 300 600

N



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn, and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

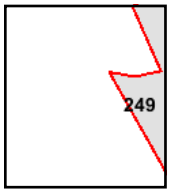
Certification #1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1973

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

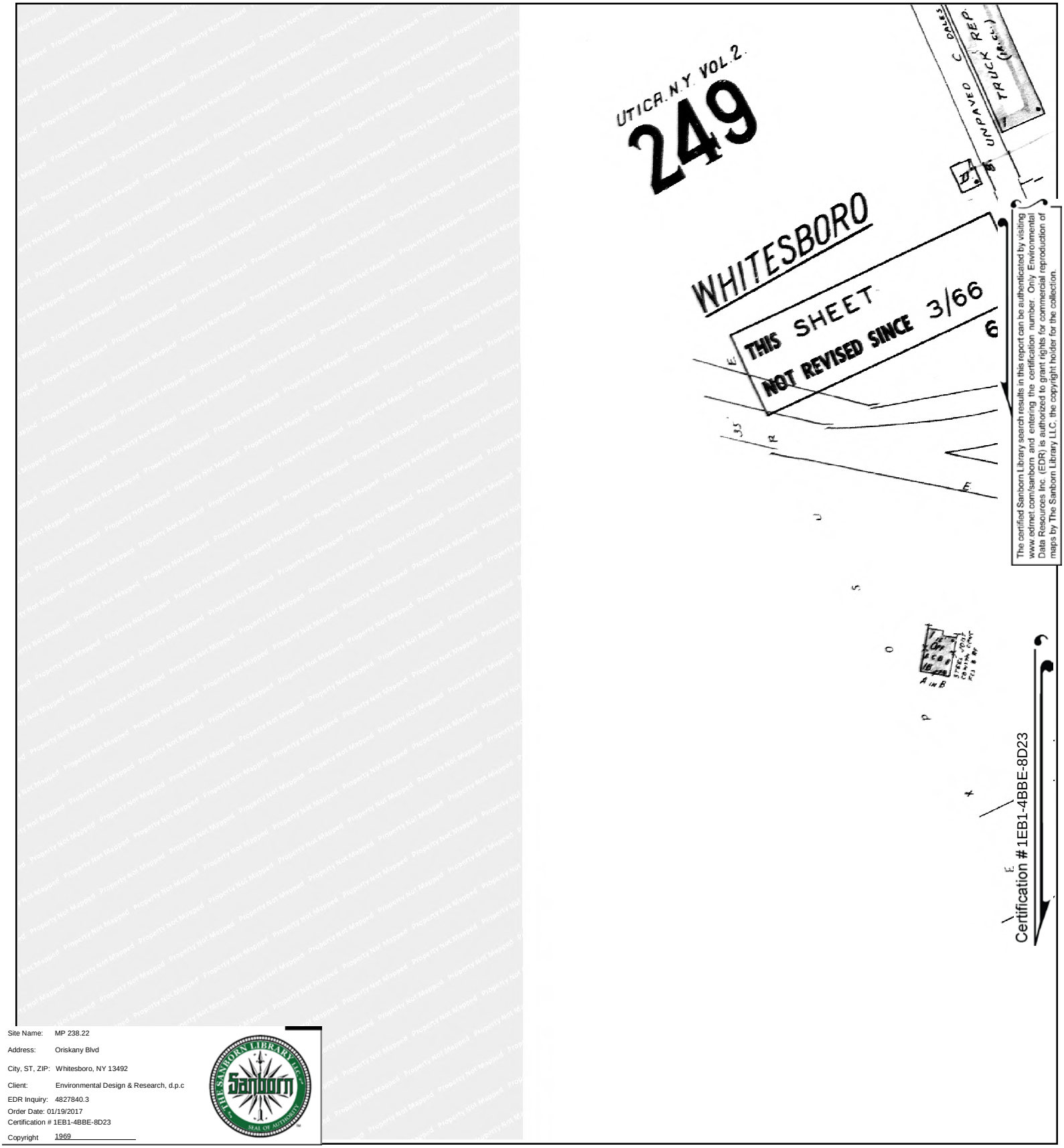
0 Feet 150 300 600





Volume 2, Sheet 249

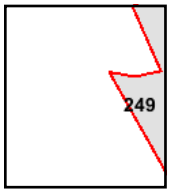
N



Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1969

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

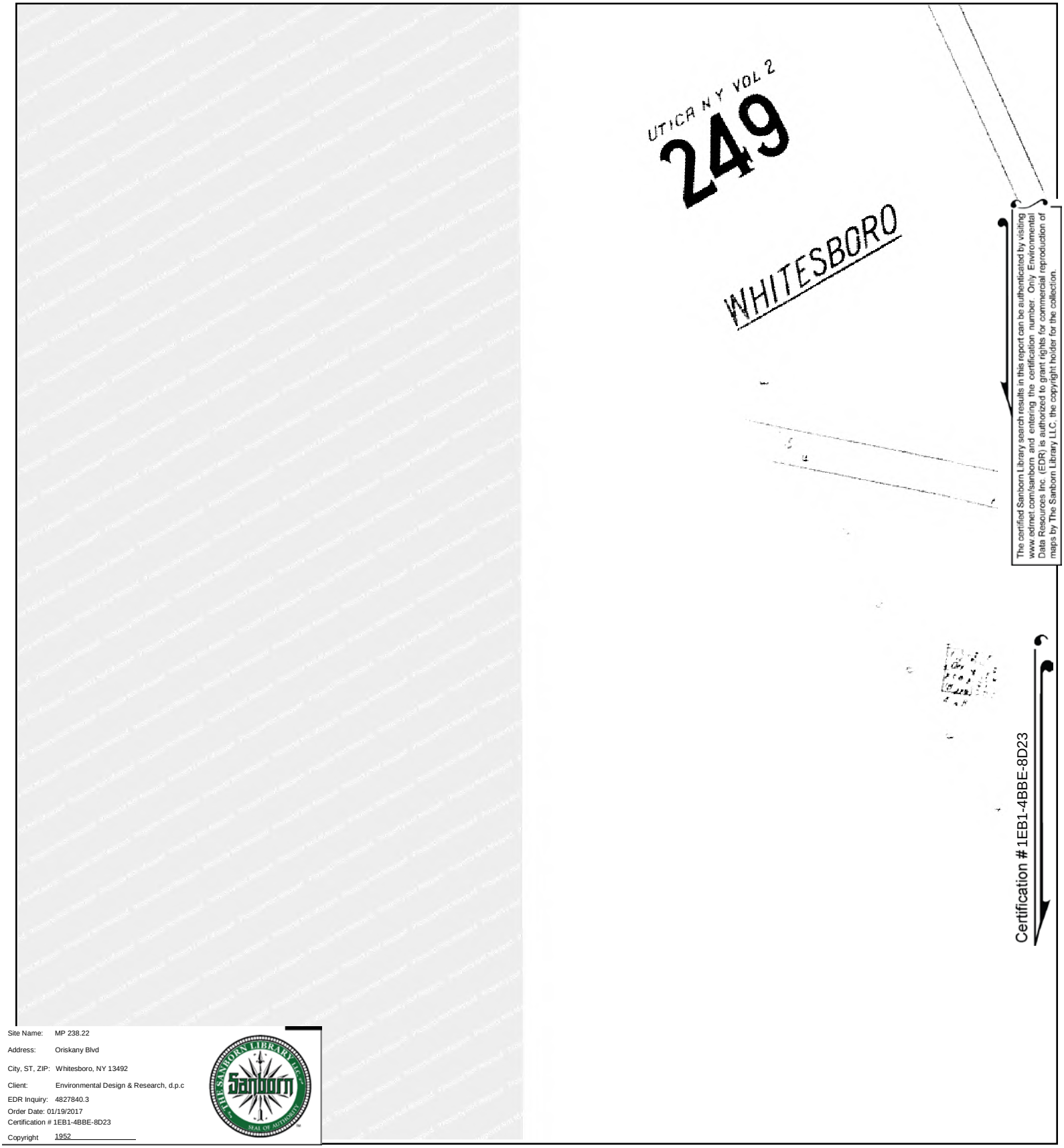




Volume 2, Sheet 249

0 Feet 150 300 600

N



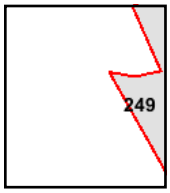
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn, and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1952

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

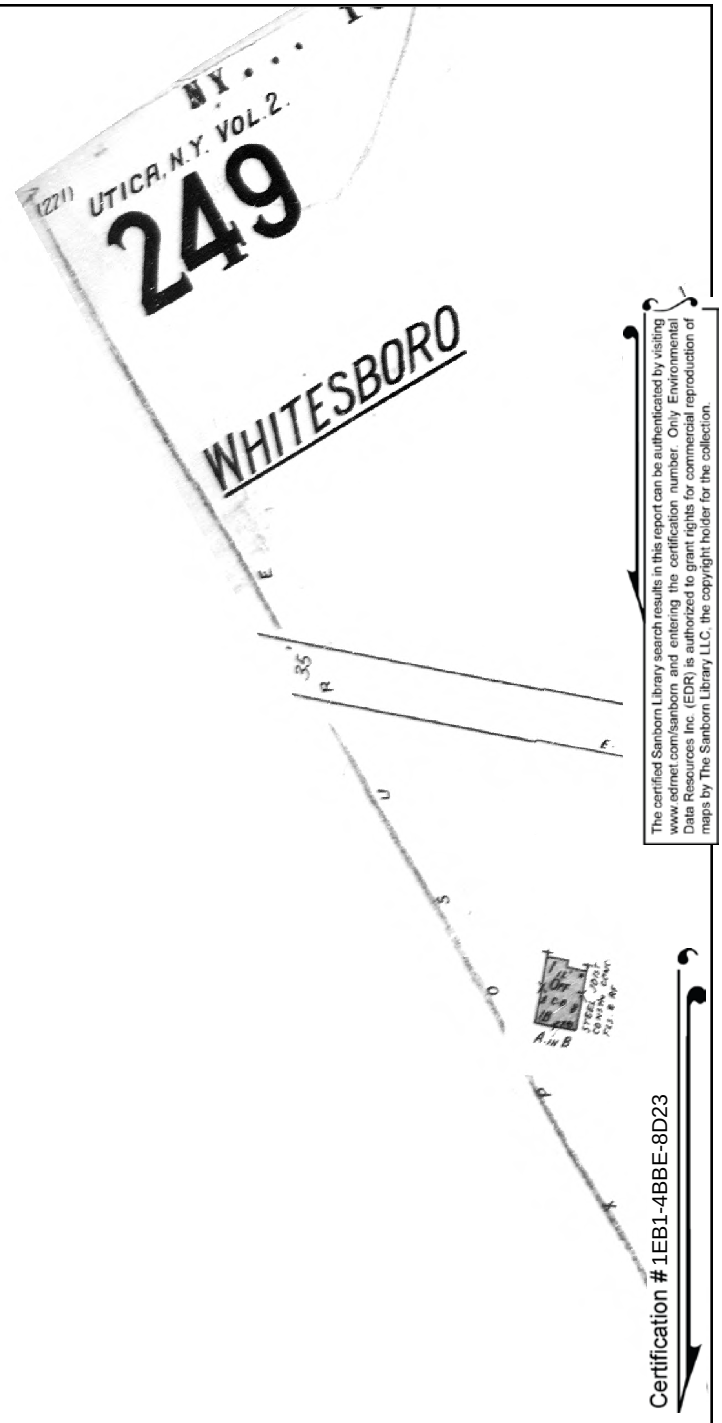




Volume 2, Sheet 249

0 Feet 150 300 600

N

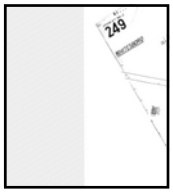


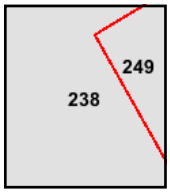
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn, and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1950

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

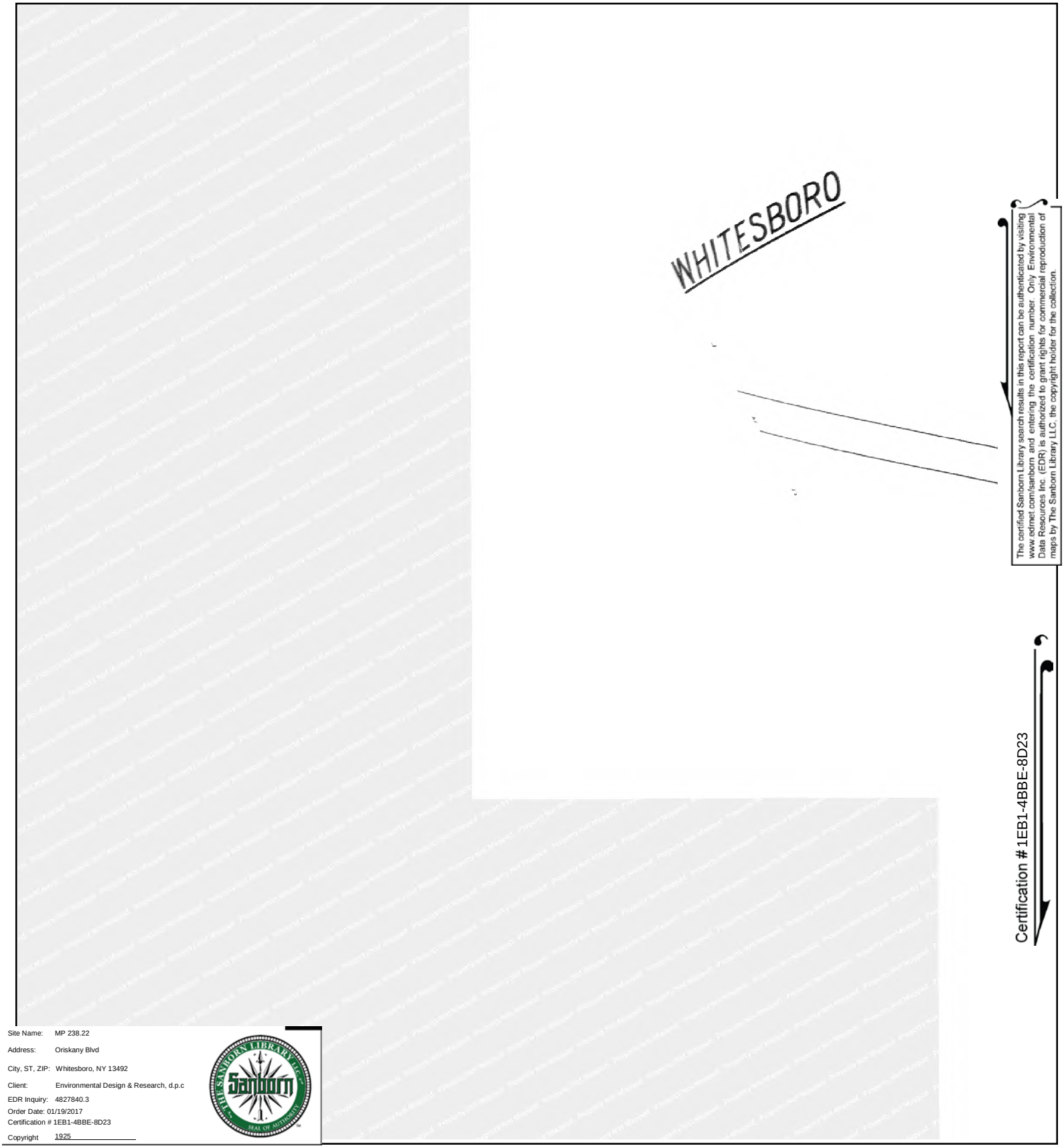




Volume 2&3, Sheet 249
Volume 2&3, Sheet 238

0 Feet 150 300 600

N

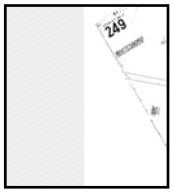


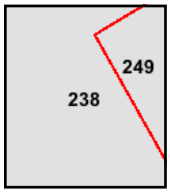
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1925

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





Volume 2&3, Sheet 249
Volume 2&3, Sheet 238

0 Feet 150 300 600

N

MP 238.22
Oriskany Blvd
Whitesboro, NY 13492

Inquiry Number: 4827840.3
January 19, 2017

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

01/19/17

Site Name:

MP 238.22
Oriskany Blvd
Whitesboro, NY 13492
EDR Inquiry # 4827840.3

Client Name:

Environmental Design & Research, d.p.c
217 Montgomery Street
Syracuse, NY 13202
Contact: Caitlin Graff

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Environmental Design & Research, d.p.c were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 1EB1-4BBE-8D23

PO # NA

Project 16134-3

Maps Provided:

1986
1973
1969
1952
1950
1925
1911
1904

Sanborn® Library search results

Certification #: 1EB1-4BBE-8D23

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Sanborn Sheet Key

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

1986 Source Sheets



Volume 2, Sheet 249

1973 Source Sheets



Volume 2, Sheet 249

1969 Source Sheets



Volume 2, Sheet 249

1952 Source Sheets



Volume 2, Sheet 249

Sanborn Sheet Key

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

1950 Source Sheets



Volume 2&3, Sheet 238



Volume 2&3, Sheet 249

1925 Source Sheets

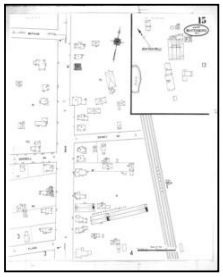


Volume 2&3, Sheet 238



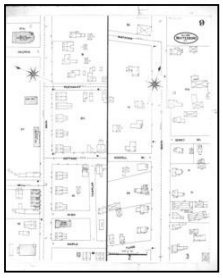
Volume 2&3, Sheet 249

1911 Source Sheets

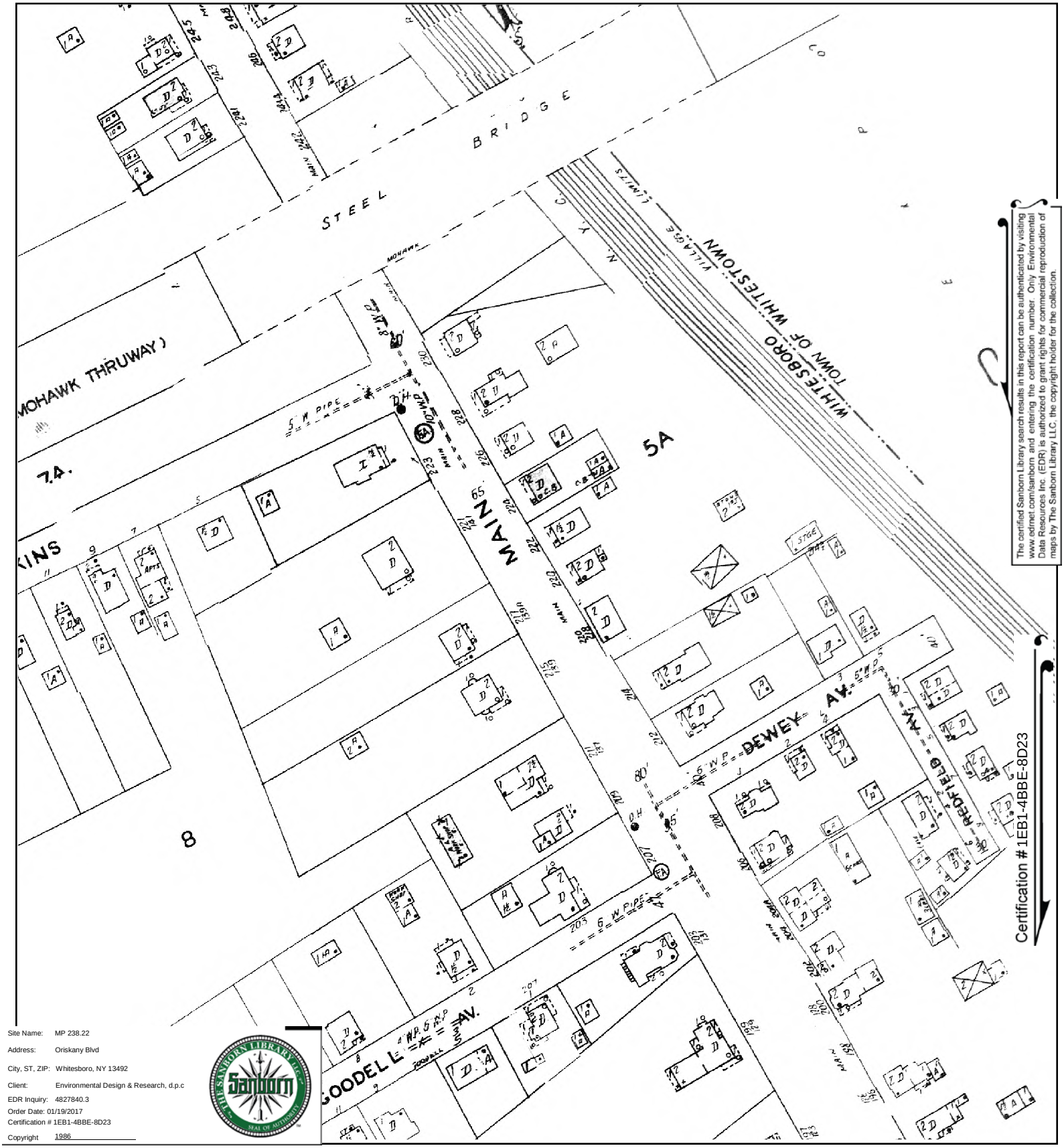


Volume 1, Sheet 15

1904 Source Sheets



Volume 1, Sheet 9



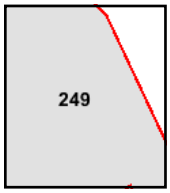
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1986

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

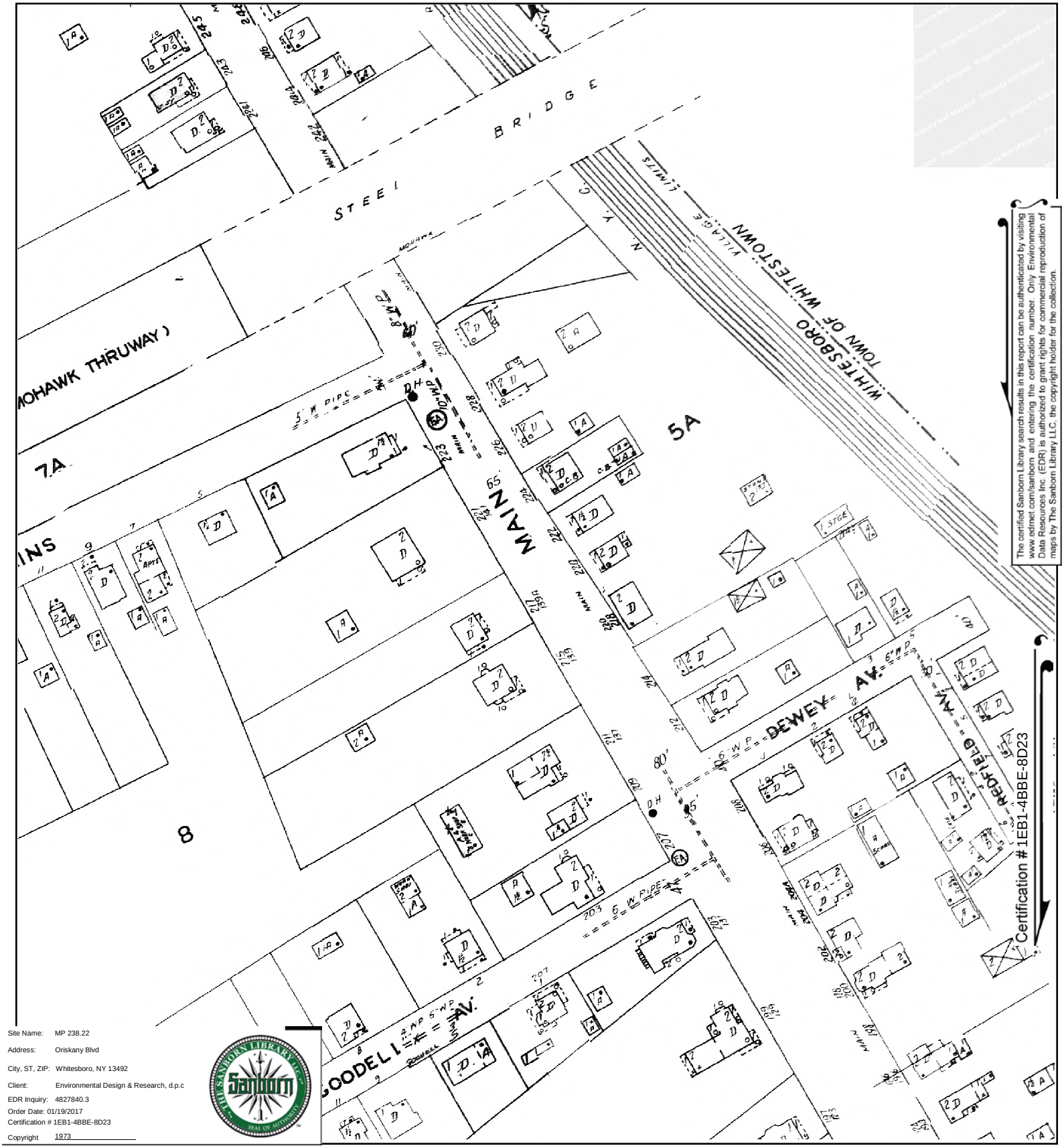
0 Feet 150 300 600





Volume 2, Sheet 249

N



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

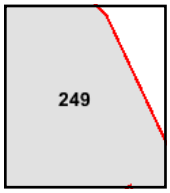
Certification # 1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1973

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

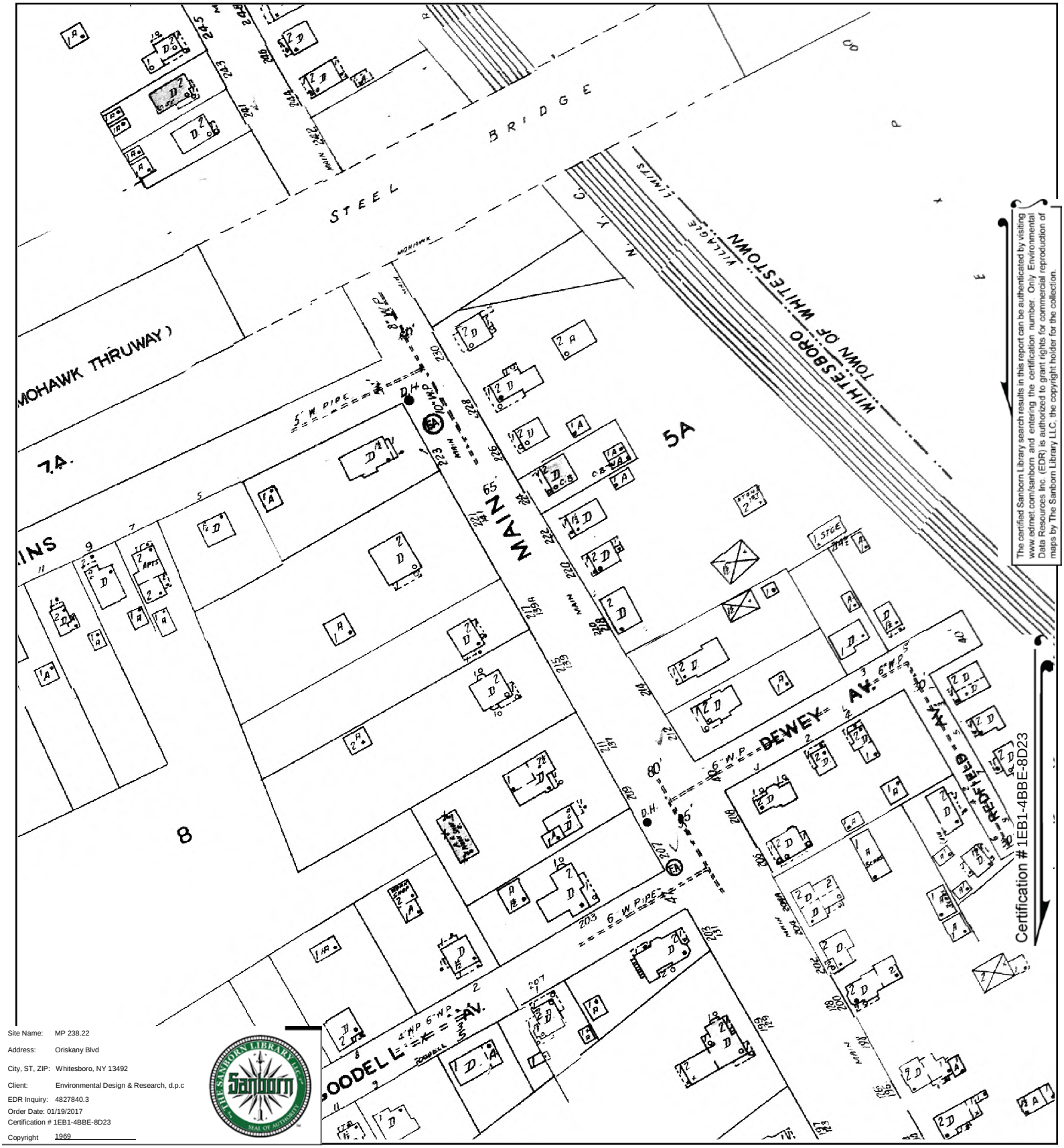
0 Feet 150 300 600





Volume 2, Sheet 249

N



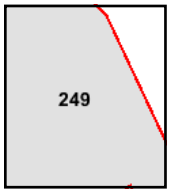
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1969

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

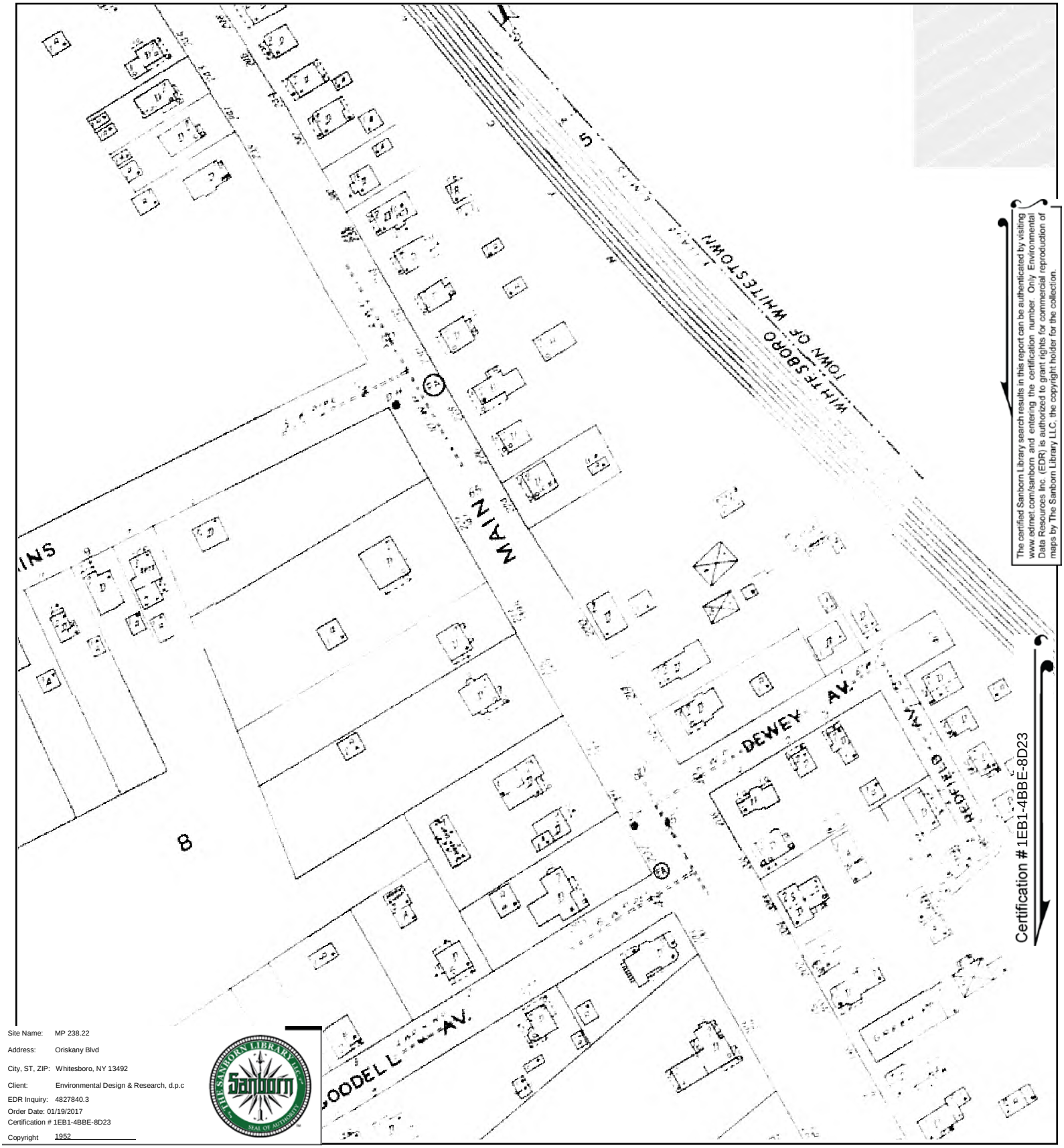
0 Feet 150 300 600





Volume 2, Sheet 249

N



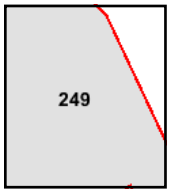
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1952

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

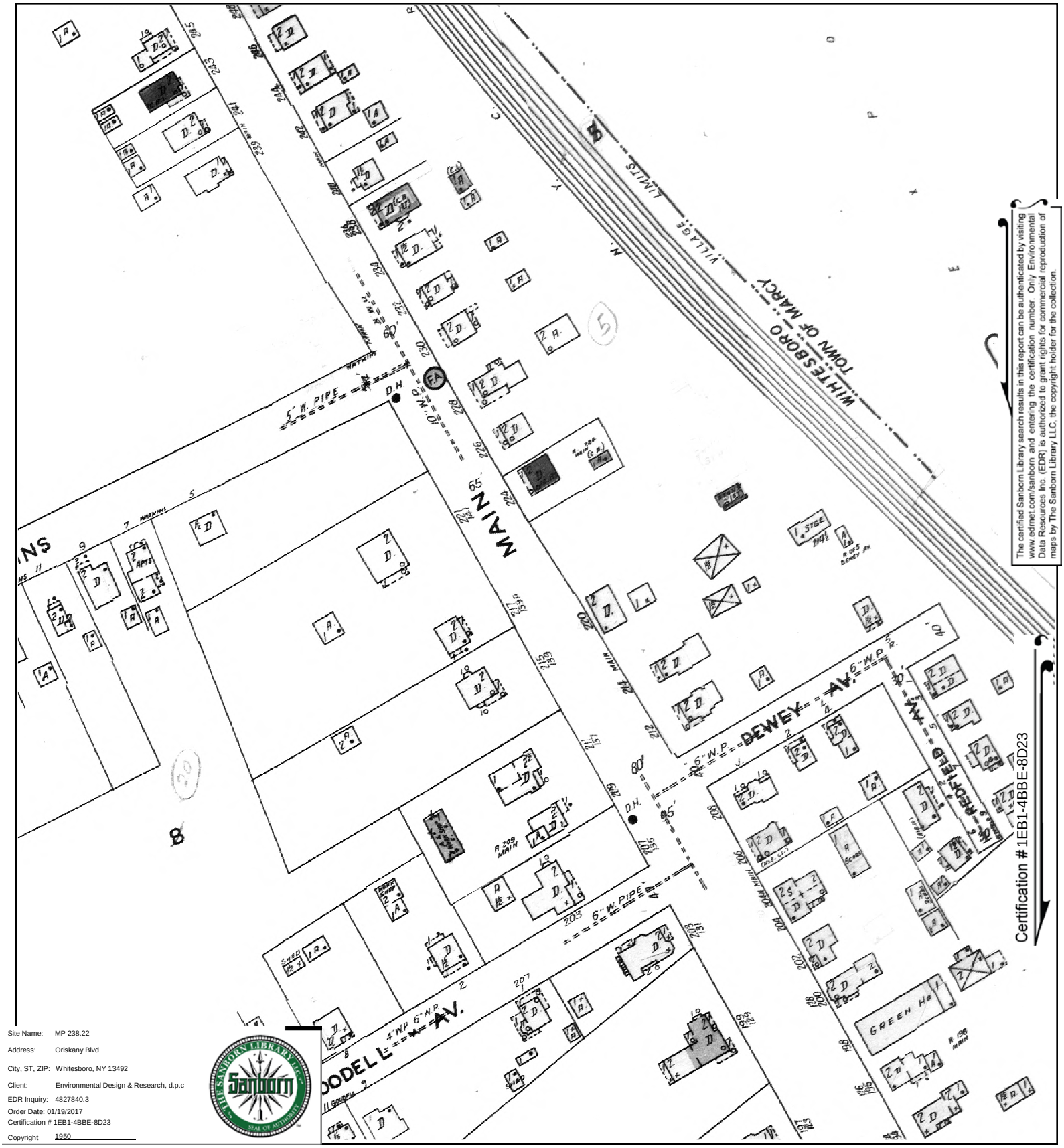




Volume 2, Sheet 249

0 Feet 150 300 600

N



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

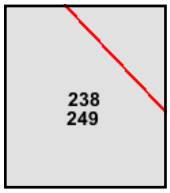
Certification # 1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1950

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

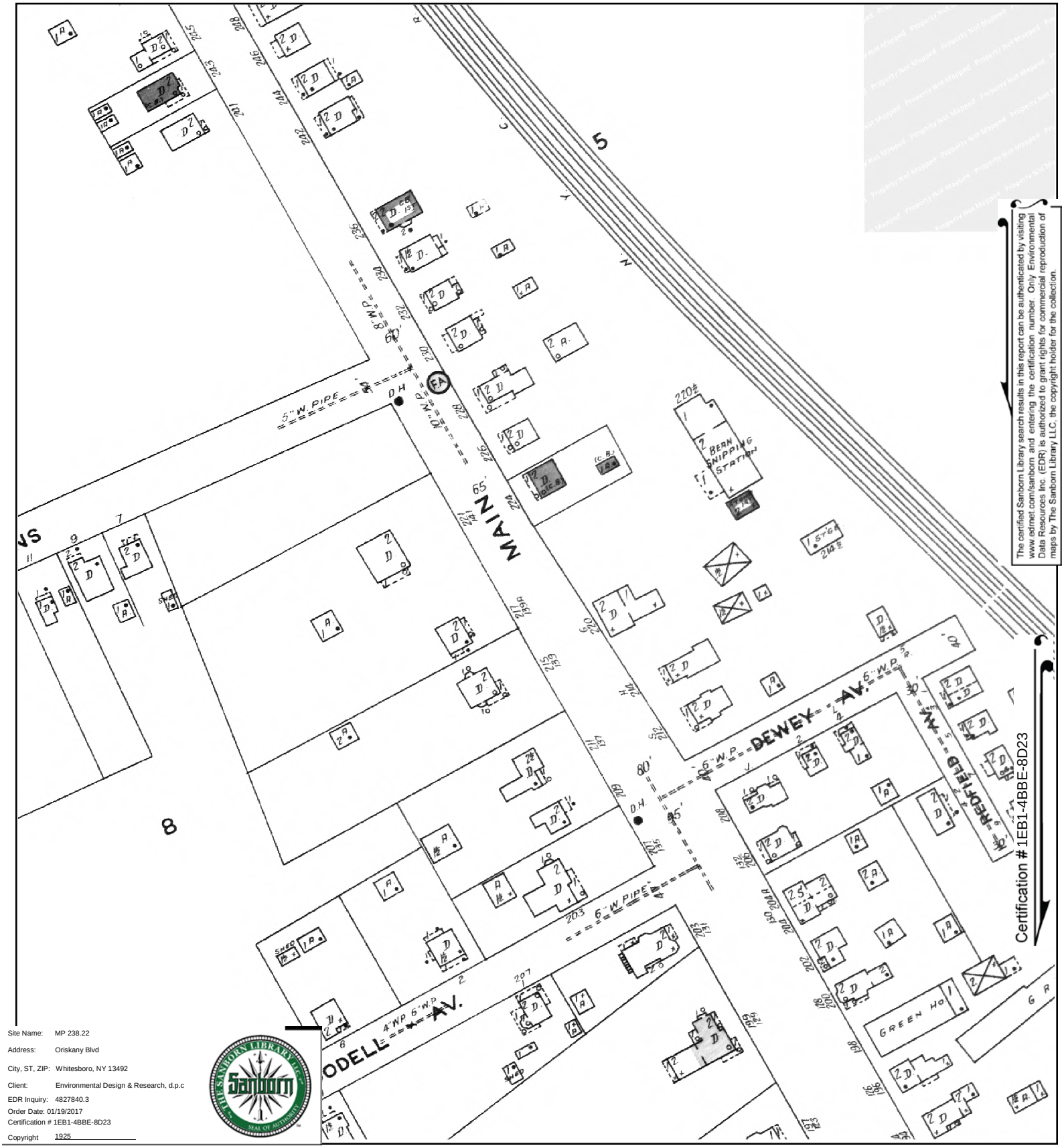
0 Feet 150 300 600





Volume 2&3, Sheet 249
Volume 2&3, Sheet 238

N



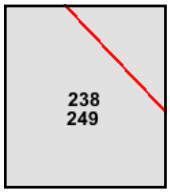
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1925

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

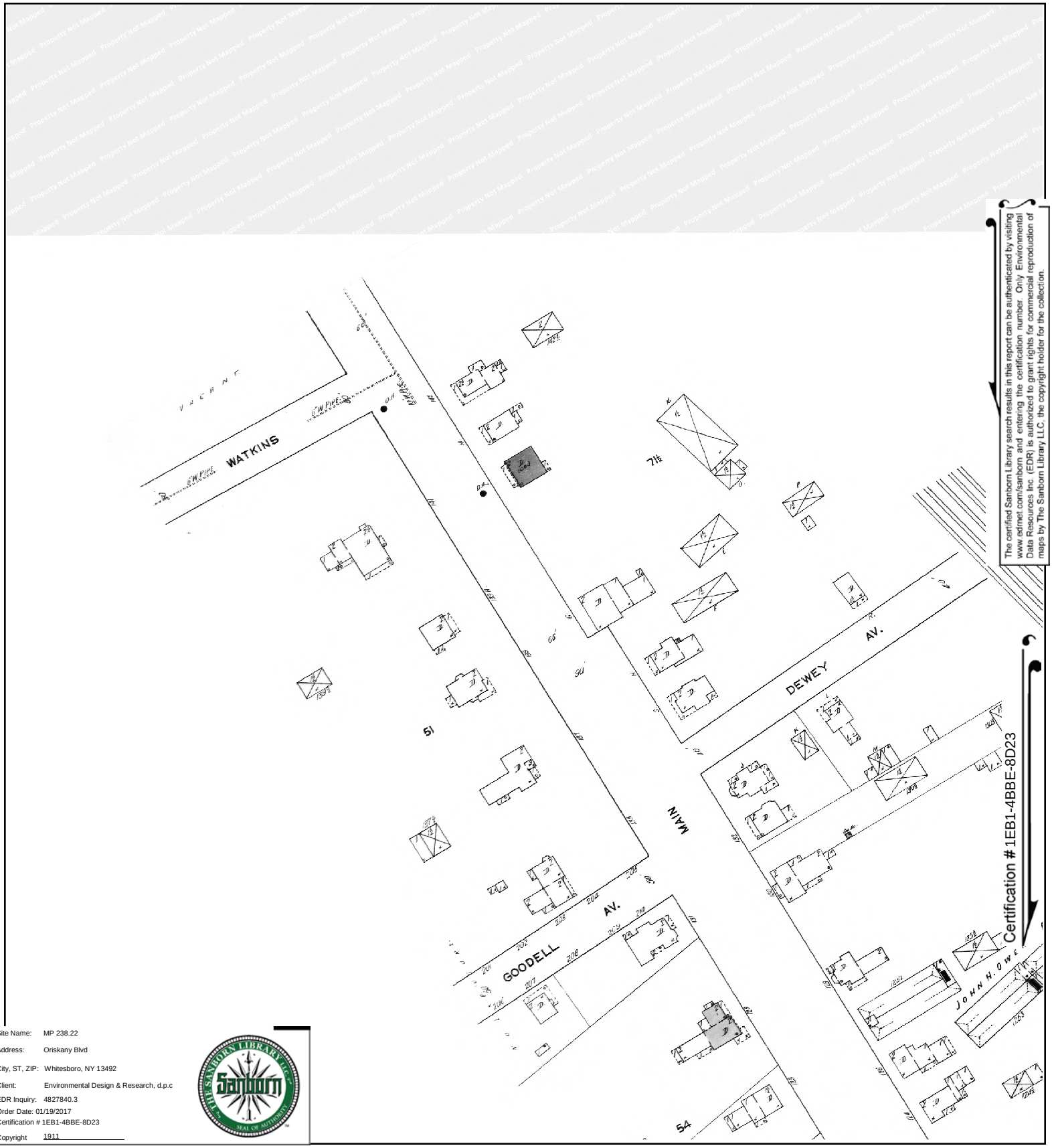




Volume 2&3, Sheet 249
Volume 2&3, Sheet 238

0 Feet 150 300 600

N



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

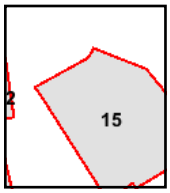
Certification # 1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1911

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

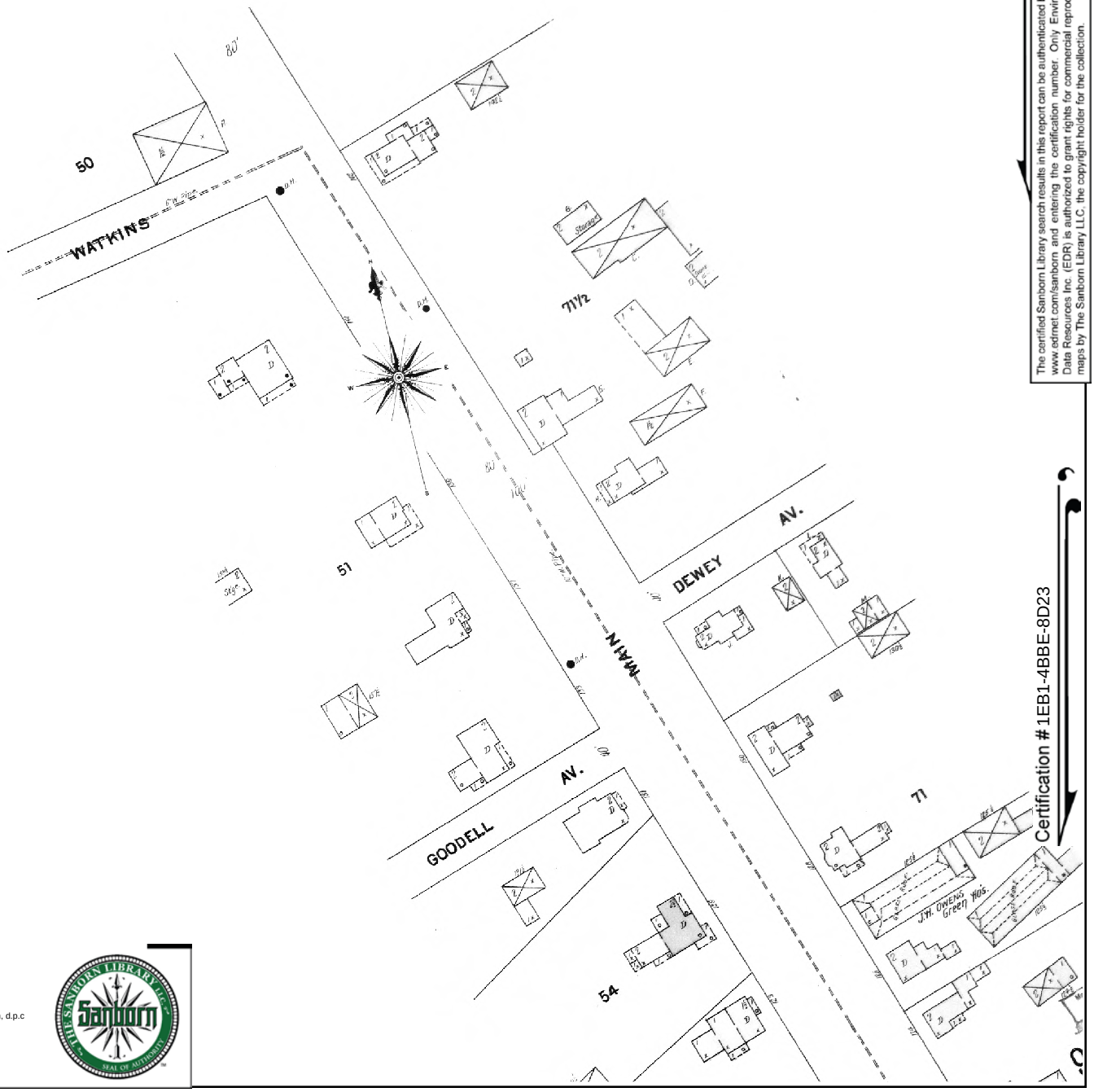
0 Feet 150 300 600





Volume 1, Sheet 15

N



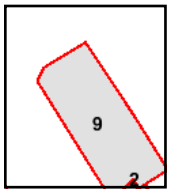
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 1EB1-4BBE-8D23

Site Name: MP 238.22
Address: Oriskany Blvd
City, ST, ZIP: Whitesboro, NY 13492
Client: Environmental Design & Research, d.p.c
EDR Inquiry: 4827840.3
Order Date: 01/19/2017
Certification # 1EB1-4BBE-8D23
Copyright 1904

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





Volume 1, Sheet 9

0 Feet 150 300 600

N

Appendix D: Historic and Recent Aerial Photographs

MP 238.22

Oriskany Blvd

Whitesboro, NY 13492

Inquiry Number: 4827840.5

January 13, 2017

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

01/13/17

Site Name:

MP 238.22
Oriskany Blvd
Whitesboro, NY 13492
EDR Inquiry # 4827840.5

Client Name:

Environmental Design & Research, d.p.c
217 Montgomery Street
Syracuse, NY 13202
Contact: Caitlin Graff

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

Search Results:

Year	Scale	Details	Source
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1997	1"=500'	Acquisition Date: May 02, 1997	USGS/DOQQ
1985	1"=500'	Flight Date: May 08, 1985	USGS
1981	1"=500'	Flight Date: May 07, 1981	USGS
1974	1"=500'	Flight Date: April 17, 1974	USGS
1960	1"=500'	Flight Date: May 06, 1960	USGS
1957	1"=500'	Flight Date: July 17, 1957	USGS
1952	1"=500'	Flight Date: March 27, 1952	USGS
1941	1"=500'	Flight Date: May 04, 1941	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.


INQUIRY #: 4827840.5
YEAR: 2011
= 500'
N
EDR

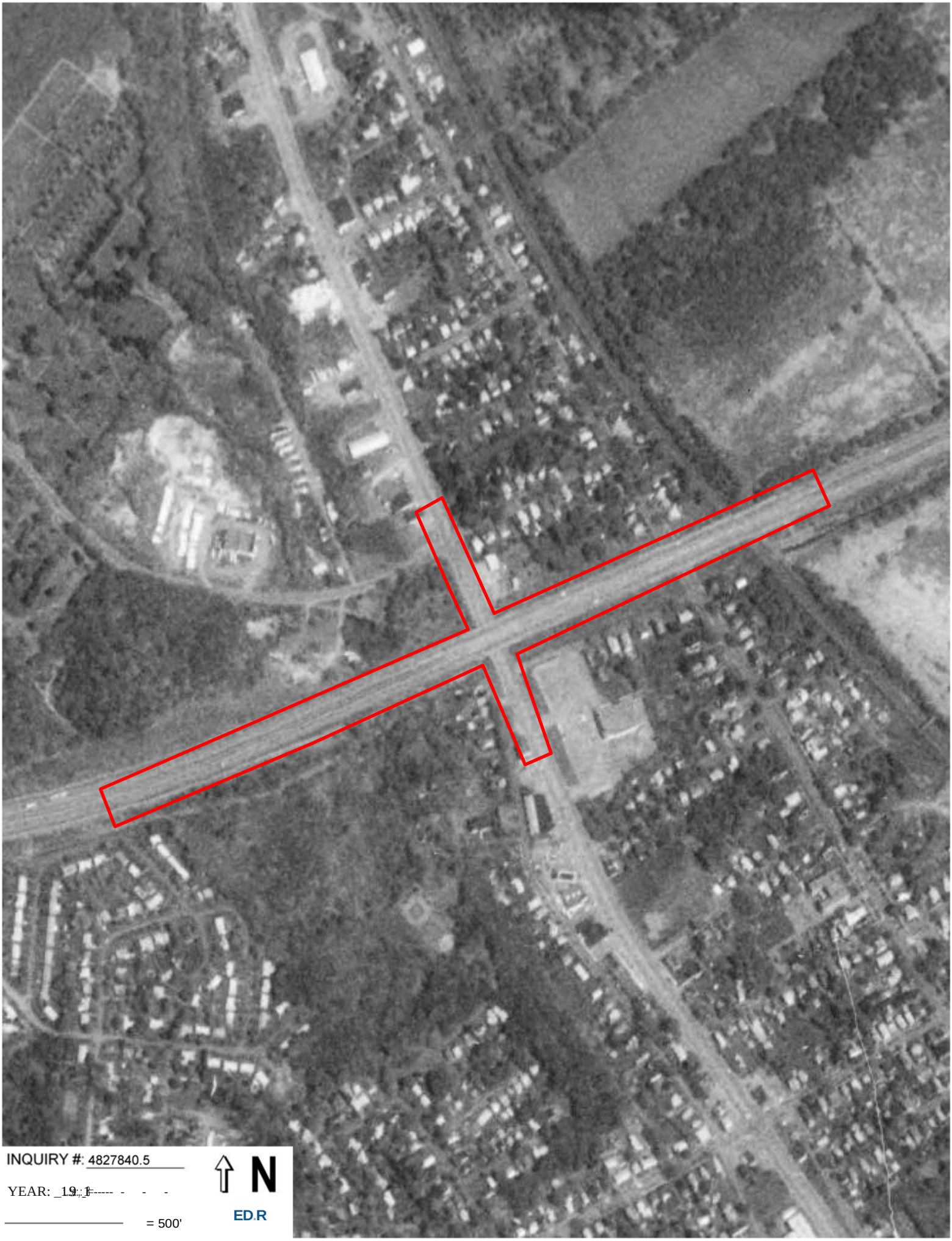

INQUIRY #: 4827840.5
YEAR: ~~2009~~
= 500'
N
ED.R


INQUIRY #: 4827840.5
YEAR: 2008
= 500'
N
ED.R


INQUIRY #: 4827840.5
YEAR: 2006
= 500'
N
ED.R


INQUIRY #: 4827840.5
YEAR: 1997
= 500'
N
EDR


INQUIRY #: 4827840.5
YEAR: 1985
= 500'
N
EDR



INQUIRY #: 4827840.5

YEAR: 1994

= 500'

N

ED.R



INQUIRY #: 4827840.5

YEAR: _1=94---- - - -

= 500'

N

ED.R



INQUIRY #: 4827840.5

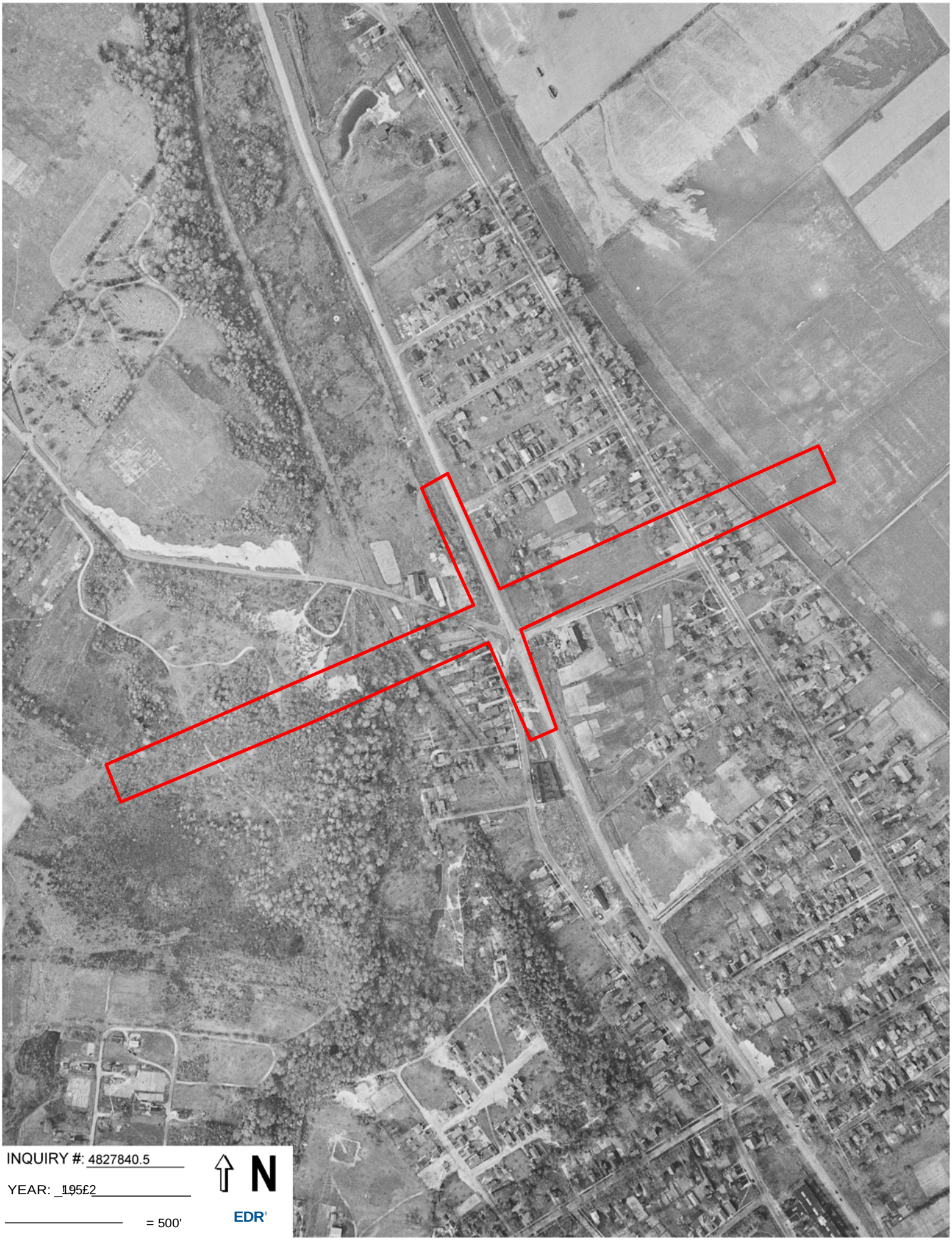
YEAR: 1, 9'6'0'-

= 500'

N

ED.R


INQUIRY #: 4827840.5
YEAR: 1957
= 500'
N
ED.R


INQUIRY #: 4827840.5
YEAR: 1952
= 500'
N
EDR



INQUIRY #: 4827840.5

YEAR: 1941

= 500'

N

EDR

HAZARDOUS WASTE/CONTAMINATED MATERIALS SCREENING (FINAL)

Replacement of Syracuse Division Bridges

Milepost 278.93: Exit 35 Ramp

BIN 5510090

East Syracuse, Onondaga County, New York

Prepared for:

New York State Thruway Authority
200 Southern Blvd.
P.O. Box 189
Albany, NY 12201-0189

Stantec
61 Commercial Street, Suite 100
Rochester, NY 14614
www.stantec.com

Prepared by:

Environmental Design & Research,
Landscape Architecture, Engineering, & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1000
Syracuse, New York 13202
www.edrdpc.com

February 2017

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1

LIMITATIONS 1

1.0 INTRODUCTION 3

2.0 METHODOLOGY 3

2.1 Site Inspection 3

2.2 Past and Current Land Use Research 3

2.3 Records Review 4

3.0 FINDINGS 4

3.1 Site Inspection Findings 4

3.2 Past and Current Land Use Research Findings 5

3.3 Records Review Findings 6

3.4 Locations of Concern 6

4.0 CONCLUSIONS AND RECOMMENDATIONS 8

REFERENCES 10

Attachments

Appendix A: Figures
Appendix B: Site Photographs
Appendix C: Sanborn Maps
Appendix D: Historic and Recent Aerial Photographs

EXECUTIVE SUMMARY

A Hazardous Waste/ Contaminated Materials Screening was conducted for the New York State Thruway bridge at Exit 35 over the Thruway, at Mile Point (MP) 278.93 on the New York State Thruway (Interstate 90), in East Syracuse, Onondaga County, New York (BIN 5510090). The screening is focused on a Study Area extending approximately 1,500 feet south of the bridge along the access ramp, the portion of the ramp north of the bridge, as well as a 500-foot corridor in both the east and west directions along the Thruway. The Study Area was defined by Stantec. This screening included a review of available records and a Study Area walkover inspection, which was conducted on November 16, 2016. The purpose of this screening is to identify potential areas of environmental concern that may be disturbed during construction.

Based on the information reviewed for this screening, the following is noted:

- The New York State Thruway Association (NYSTA) Syracuse Section Maintenance facility on Thompson Road to the southwest of the Study Area is an identified Petroleum Bulk Storage (PBS) facility with current Aboveground Storage Tanks (ASTs) and former Underground Storage Tanks (USTs), and is a registered large quantity generator of hazardous waste. The locations of ASTs and former USTs on this property should be confirmed prior to excavation for the proposed project. If oil and/or hazardous materials (OHM) storage and/or generation locations are in close proximity to areas to be excavated for the project, these areas should be screened for potential contamination to ensure that sampling and potential disposal be completed as necessary.

- Several releases have been reported within and immediately adjacent to the Study Area, including a leaking UST at the NYSTA tollbooth within the Study Area, a vehicle release mapped in the Study Area, and leaking abandoned USTs under the Thruway's parking lot adjacent to the west of the Study Area. Further, several properties north of the Study Area along Commerce Boulevard and Joy Road were identified on the database report as being users and generators of OHM, as well as being the sites of multiple releases of OHM. The reported releases at properties on and adjacent to the Study Area are listed as closed in the database report. However, due to the industrial character of the surrounding area, the number of releases, and the extensive current and past use of OHM near the Study Area, the potential for subsurface contamination at the Study Area remains. Soil and/or groundwater sampling would be required to definitively determine whether the Study Area has been impacted.

The following report discusses the complete findings of the Hazardous Waste/ Contaminated Materials Screening.

LIMITATIONS

The findings presented in this screening are based on a description of project activities provided by Stantec, observations noted on the date of the site reconnaissance, and the accuracy and timeliness of the published databases and government records. Should any of the proposed project components change, so may the findings of this screening. Additionally, while this investigation was performed in accordance with the New York State Thruway Authority (NYSTA) Scope of Services provided by Stantec, good commercial and customary practice, and generally accepted protocols, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C. (EDR) cannot guarantee that the property is free of hazardous substances or other materials or conditions. The presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or

groundwater samples, which was beyond the scope of this investigation.

This screening was prepared for the exclusive use of Stantec and the NYSTA, and should not be reproduced or disseminated without the written approval of EDR. Use of this report in whole or in part by parties other than Stantec and the NYSTA is prohibited.

1.0 INTRODUCTION

EDR, as sub-consultant to Stantec has been retained to perform a Hazardous Waste/ Contaminated Materials Screening for the New York State Thruway bridge at Exit 35 over the Thruway, at MP 278.93 on the Thruway, in East Syracuse, Onondaga County, New York. The screening is focused on a Study Area, defined by Stantec, which extends approximately 1,500 feet south of the bridge along the access ramp, the portion of the ramp north of the bridge, as well as a 500-foot corridor in both the east and west directions along the Thruway.

The NYSDOT *Environmental Manual (TEM)* Chapter 4.4.20 was utilized for guidance during this assessment. The project location is indicated on the Regional Project Location Map (Figure 1), and the Study Area is identified on the Site Location Map (Figure 2).

As described in the NYSTA Scope of Services provided by Stantec, this preliminary screening is a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials.

2.0 METHODOLOGY

This assessment included a walkover reconnaissance of the Study Area, a review of existing information about past and current land use, and a review of published databases and government records, including Inactive Hazardous Waste Site Registry, Chemical and Petroleum Bulk Storage records, waste incident/chemical releases reports, and other federal, state, county, and local sources of information (see References). In February 2017, Environmental Data Resource, Inc. was contracted by EDR to provide a listing of published databases of hazardous waste sites in the vicinity of the Study Area. These databases provide a listing of sites of potential concern as identified by a review of Federal, State and local databases. This database review was supplemented with a review of published databases available through the New York State Department of Environmental Conservation (NYSDEC) web site. The environmental database report is available upon request.

2.1 Site Inspection

A walkover site reconnaissance of the Study Area was conducted on November 16, 2016. The walkover was performed in an attempt to identify visual evidence of contamination such as: discolored or stained soil, stressed or dead vegetation, spills, leaks, leachate or discolored water, air emissions or odors, evidence of previous fires, and evidence of oil sheens on water. In addition, the walkover included a visual survey that attempted to identify whether the following are present within the Study Area: underground or aboveground tanks, vent/fill pipes, well casings or riser pipes from monitoring wells, refueling or pump islands, drums or chemical containers, discarded transformers or transformer pads, surface impoundments or lagoons, landfills or dumps, dumpsters or bulk solid waste, railroad tracks or railyards, sumps, drywells, or septic systems.

2.2 Past and Current Land Use Research

Historical mapping and aerial photography are utilized as part of the Hazardous Waste/ Contaminated Materials screening

as they serve as an historical reference to prior land use. Historical mapping and aerial photography was reviewed to identify locations where past use(s) could be considered an environmental concern. Examples of how a past land usage could lead to an environmental concern is the presence of contaminated soils from a former filling station, automotive repair shop, large manufacturing plant, chemical plant, drycleaner, etc. Based on the location of such sites with respect to the Study Area and the specific past land use, the need for further investigation may be eliminated or warranted.

The following resources were researched to establish the past and current land use within the Study Area:

Sanborn Map Review – According to the Environmental Data Resource, Inc., the Study Area is unmapped on Sanborn maps. The Data Resource report states: *This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found* (see Appendix C).

Aerial Photographs - Aerial photographs taken in 1938, 1951, 1959, 1966, 1978, 1986, 1988, 1995, 2006, 2008, 2009, and 2011 supplied by Environmental Data Resource, Inc. were reviewed. These aerial photographs are included in Appendix D. Supplemental aerial photography from Google Earth for the years, 1995, 2003, 2005, 2006, 2008, 2009, and 2011, was also reviewed.

2.3 Records Review

A review of Federal, State and local Environmental databases was conducted. Environmental Data Resource, Inc. was contracted by EDR to provide a comprehensive review of Federal, State and local listed data on potential hazardous waste sites in the vicinity of the Study Area. The environmental database report is available upon request. This data search was performed in accordance with ASTM E-1527-05 standards for minimum search distance. The use of the database report allows for a comprehensive listing of sites of potential concern.

United States Environmental Protection Agency (USEPA) and NYSDEC online databases were reviewed and cross-referenced as part of the review process to supplement the environmental database review referenced above.

3.0 FINDINGS

The project is located in East Syracuse, Onondaga County, New York (Figure 2). The project includes the replacement of the existing New York State Thruway ramp bridge (BIN 5510090) over the Thruway at MP 278.93. According to Stantec, the purpose of the project is to improve traffic operations and safety of this Thruway bridge.

3.1 Site Inspection Findings

The Study Area was observed to be occupied primarily by the ramp of the New York State Thruway (I-90) from Carrier Circle and State Route 298, which are located to the south. The bridge at the center of the Study Area carries traffic between Carrier Circle and the west-bound lanes of the Thruway. Buildings located within the Study Area are limited to the toll booths and associated out-building for the on-ramp and off-ramp for Exit 35. No evidence of underground or aboveground tanks, chemical storage/drums, or other evidence of hazardous material releases were observed during the site walkover.

The topography of the area is generally flat, with a slight slope down to the northwest. The Study Area is a built-up roadway that is slightly elevated. The North Branch of Ley Creek is located approximately ½ mile northwest of the Study Area, and Sanders Creek is located less than ¼ mile south of the Study Area. Groundwater at the Study Area is expected to generally flow to the northwest toward the North Branch of Ley Creek.

Limited solid waste debris was observed along the side of the Thruway and the Exit 35 Ramp within the Study Area; however, significant dumping was not noted. Pole-mounted transformers were observed outside the boundaries of the Study area in multiple locations. Evidence of leakage was not noted around the transformers observed adjacent to the Study Area at the time of the site reconnaissance.

Properties in the immediate vicinity of the Study Area include:

- Commercial and industrial facilities were noted along Commerce Boulevard and Joy Road to the north of the Study Area. Occupants of these northern properties include True Green Lawn Care Company (6700 Commerce Boulevard), General Super Plating (6608 Joy Road), and Drake Oil (6620 Joy Road).
- Properties to the south and east of the Study Area include several hotels and restaurants located along Baptist Way, Old Collamer Road South, and Yorktown Circle. Hotels include Motel 6, the Residence Inn by Marriott, Courtyard by Marriott. Restaurants include Ruby Tuesday's and Grimaldi's. Beyond the southern end of the Study Area is Carrier Circle, a multi-lane traffic circle.
- West of the Study Area is a NYSTA parking lot, beyond which are commercial properties along Thompson Street. These include the Rodeway Inn, Dunkin Donuts, Howard Johnson's, Joey's Restaurant, and the Red Roof Inn.

Photographs obtained during the walkover site inspection of the Study Area are included in Appendix B.

3.2 Past and Current Land Use Research Findings

Aerial photographs taken in 1938, 1951, 1959, 1966, 1978, 1986, 1988, 1995, 2006, 2008, 2009, and 2011 supplied by Environmental Data Resource, Inc. were reviewed.

The historic and recent aerial photographs for the Study Area (Appendix D) identified the following:

- In 1938, the Study Area was occupied by agricultural fields. One local road crossed through the southern end of the Study Area at this time.
- In 1951, the Thruway was present through the middle of the Study Area; however, Exit 35 and the associated bridge were not yet present.
- By 1959, the Exit 35 ramp had been constructed, including the toll plaza within the Study Area. At this time, Carrier Circle was also present to the south of the Study Area, and increasing development was visible in the surrounding area.
- In 1966, the Study Area remained consistent with the 1959 aerial, and similar to present conditions. Surrounding properties showed additional development, particularly along Commerce Boulevard to the northwest and Thompson Road to the southwest.
- The 1978 and 1986 aerials show the area north of the Study Area along Commerce Boulevard and Joy Road to be fully developed. Areas southwest of the Study Area were also fully developed by this time, including the parking area adjacent to the Study Area, and commercial properties along Thompson Road.
- By 1988, some development to the southeast of the Study Area is visible, and by 1995, this area appears fully

developed with hotels and restaurants, similar to current conditions.

- Aerial photographs dated 2006 to present show the Study Area and vicinity to be fully developed, similar to current conditions.

Additional discussion of the findings of the historical mapping and aerial photography review is included in the discussion of the properties and/or locations of concern in Section 3.3 of this report, if warranted.

3.3 Records Review Findings

Table 1 summarizes the information available through the Environmental Data Resource, Inc. database search and supplemented through a review on line databases, an understanding of the Study Area, and a site reconnaissance.

Table 1: Environmental Records Review

Standard Environmental Record Sources	Minimum Search Distance – ASTM Standard: miles (kilometers)	No. of Listed Properties[1]
Federal NPL Site List	1.0 (1.6)	0
Federal Delisted NPL Site List	0.5 (0.8)	0
Federal CERCLIS List (SEMS)	0.5 (0.8)	0
Federal CERCLIS NFRAP Site List (SEMS Archive)	0.5 (0.8)	1
Federal RCRA CORRACTS Facilities List	1.0 (1.6)	0
Federal RCRA non-CORRACTS TSD Facilities List (RCRA-TSDF)	0.5 (0.8)	1
Federal RCRA Generators List	Property and adjoining properties only	10
Federal Institutional Control/ Engineering Control Registries	Property only	0
Federal ERNS List	Property only	0
State equivalent NPL	1.0 (1.6)	0
State equivalent CERCLIS (Inactive Hazardous Waste Disposal Sites – SHWS)	0.5 (0.8)	1
State Landfill and/or Solid Waste Disposal Site Lists (Solid Waste Facility/Landfill – SWF/LF)	0.5 (0.8)	0
State Leaking Storage Tank Lists (LTANKS)	0.5 (0.8)	30
State Registered Storage Tank Lists (UST/AST)	0.25 (0.4)	25
State Institutional Control/Engineering Control Registries	Property only	0
State Voluntary Cleanup Sites	0.5 (0.8)	0
State Brownfield Sites	0.5 (0.8)	0
Additional Environmental Record Sources:		
Federal FINDS	Property only	0
Local List of Registered Storage Tanks (NY HIST UST/AST)	0.25 (0.4)	6
State Leaking Storage Tank Lists (HIST LTANKS)	0.5 (0.8)	0
NY Spills	0.125 (0.2)	32
Federal RCRA – NonGen	0.25 (0.4)	16
State Manifest Records	0.25 (0.4)	23

[1]Sites may be listed in more than one database.

3.4 Locations of Concern

Based on the site inspection and records review, sites identified as potentially posing a negative impact on the proposed

project are described below:

NYS Thruway Exit 35 Tollbooth

The tollbooth located within the Study Area is identified as a leaking UST site due to a tank failure in 1992. The database indicates that a buried backup tank for an on-site generator leaked, and contaminated soil was removed. Cleanup was reportedly completed in 1993.

UPS, Exit 35 NYS Thruway

This NYSDEC spill was mapped within the Study Area. This release involved a 1990 spill from a commercial vehicle, which was reportedly remediated. The spill was closed by the NYSDEC in 1990.

Tidy Car, Thompson Road

Two NYSDEC spills identified with this location were also mapped to be within the Study Area. The first of these was reported in 2004, and occurred adjacent to the southwest of the Study Area, in the parking lot located between the Thruway and Joey's Restaurant. The spill involved soil contamination resulting from abandoned USTs under this parking lot. The USTs were reportedly cleaned and closed in place, and impacted soil was removed. This spill was closed in 2005. An earlier NYSDEC spill was reported for this location in 1988, involving 'apparent silty discharge from a storm sewer' which impacted Ley Creek. This spill was closed by the NYSDEC in 1988.

NYSTA Syracuse Section Maintenance

This site is located adjacent to the southwest of the Study Area, and is operated by NYSTA. This facility is listed on the NYSDEC Petroleum Bulk Storage (PBS) database with a total of 24 tanks, including both ASTs and USTs, that have been present over time. According to the PBS database, 7 ASTs remain in service at this facility. The NYSTA Syracuse Section Maintenance facility is also a registered large-quantity RCRA generator of hazardous waste.

True Green, 6700 Commerce Boulevard

This adjacent property to the north of the Study Area was listed as a NSDEC spill site for a 2008 fire in the vehicle bay of the building, which involved fertilizer materials. Runoff water used to contain the fire and water from a broken pipe in the building reportedly flowed to the north toward storm drainage ditches along Boss Road. As stated in the database report, this runoff water was reportedly mixed with oil, grass seed, and potentially fertilizer. This spill was closed in 2008.

Mosler Inc., 6600 Joy Road

This adjacent property to the north of the Study Area is listed as a leaking UST site, a spill site, and a former generator of hazardous wastes. In 1994, gasoline and solvents were identified in the ground at this facility, and corrective action was reportedly taken. The spill was closed in 1996.

General Super Plating and United Common Capital, Joy Road

These adjoining properties to the north of the Study Area had five NYSDEC spills reported in 1986, 1989, 1991, 1993, and 1994. These spills involved drums of hazardous materials spilled, deliberate dumping of hazardous materials onto the ground and into on-site wells, and other unidentified releases. The NYSDEC spills listed for these properties are listed as closed on the database report.

General Transport, 6612 Joy Road

This property to the north of the Study Area had a NYSDEC spill reported in 2001 that involved diesel fuel from tanks on a truck leaking into a storm drain on a neighbor's property. The spill was listed on the database as closed in 2001.

6606 Joy Road

This address to the north of the Study Area is listed on several environmental databases, under the names General Super Plating and MCM Polishing & Finishing. This address is listed to be the site of NYSDEC Spills, as a Chemical Bulk Storage facility, as a site with registered ASTs, and as a former RCRA generator of hazardous waste. According to the NYSDEC PBS database, five ASTs were formerly present at this facility, but all have been removed. Two NYSDEC spills were reported at this facility in 1992, both of which are listed as closed.

Drake Oil (G H Berlin Windward), 6620 Joy Road

This property north of the Study Area has had two NYSDEC spills reported in 2006 and 2010, had a historical AST, and is listed as an active PBS site. Details regarding the current ASTs/USTs at this facility are not available on the NYSDEC PBS web site. Spills identified at this facility have reportedly been closed by the NYSDEC.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the information reviewed and the site inspection the following items of environmental concern were identified:

- The NYSTA Syracuse Section Maintenance facility on Thompson Road to the southwest of the Study Area is an identified PBS facility with current ASTs and former USTs, and is a registered large quantity generator of hazardous waste. The locations of ASTs and former USTs on this property should be confirmed prior to excavation for the proposed project. If OHM storage and/or generation locations are in close proximity to areas to be excavated for the project, these areas should be screened for potential contamination to ensure that sampling and potential disposal be completed as necessary.

- Several releases have been reported within and immediately adjacent to the Study Area, including a leaking UST at the NYSTA tollbooth within the Study Area, a vehicle release mapped in the Study Area, and leaking abandoned USTs under the Thruway's parking lot adjacent to the west of the Study Area. Further, several properties north of the Study Area along Commerce Boulevard and Joy Road were identified on the database report as being users and generators of OHM, as well as being the sites of multiple releases of OHM. The reported releases at properties on and adjacent to the Study Area are listed as closed in the database report. However, due to the industrial character of the surrounding area, the number of releases, and the extensive current and past use of OHM near the Study Area, the potential for subsurface contamination at the Study Area remains. Soil and/or groundwater sampling would be required to definitively determine whether the Study Area has been impacted.

Note that this preliminary screening is intended to be a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials. The findings presented in this screening are based on the proposed project activities, observations noted at the time of the site walkover, and the accuracy and timeliness of the published databases and government records. Should any of the

proposed project components change, so may the findings of this report. As noted in the Limitations section above, EDR cannot guarantee that the property is free of hazardous substances or other materials or conditions. The presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or groundwater samples, which was beyond the scope of this investigation.

REFERENCES

Environmental Data Resources, Inc. 2016. *The EDR Radius Map Report with GeoCheck.* February 2, 2017.

Environmental Data Resources, Inc. 2016. *Certified Sanborn Map Report.* February 2, 2017 (Appendix C).

Environmental Data Resources, Inc. 2016. *The EDR Aerial Photo Decade Package*. February 2, 2017 (Appendix D).

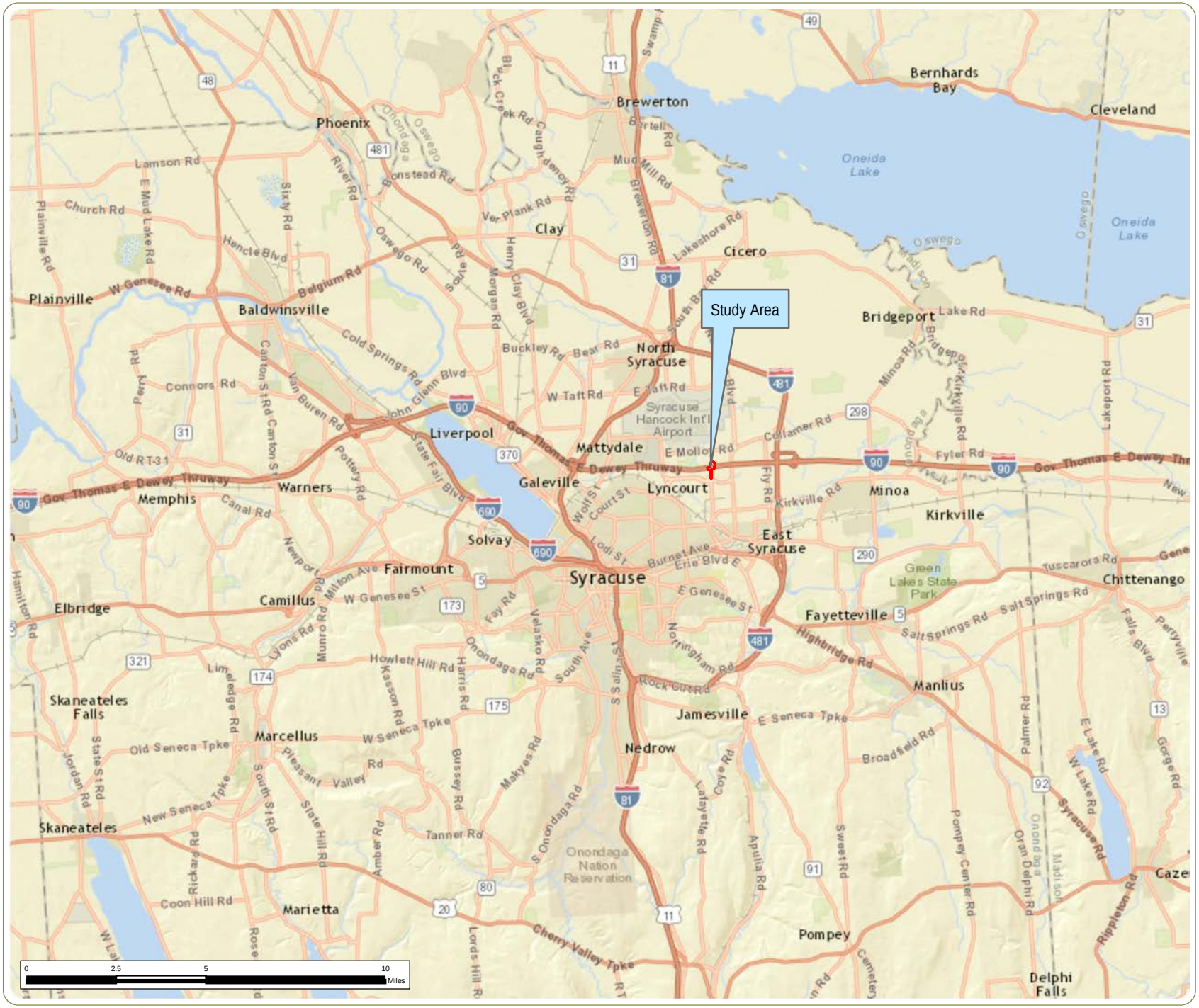
New York State Department of Environmental Conservation. 2017. *Spills Incident Database Search*. Available at: https://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=2

New York State Department of Environmental Conservation. 2017. *Bulk Storage Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=4

New York State Department of Environmental Conservation. 2017. *Environmental Site Remediation Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3

Environmental Protection Agency. 2016. *National Priorities List (NPL) Sites – by State*. Available at: https://www.epa.gov/superfund/national-priorities-list-npl-sites-state

Appendix A: Figures



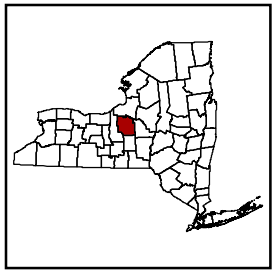
Replacement of Syracuse Division Bridges

Town of East Syracuse,
Onondaga County, New York

Figure 1. Regional Project Location - Exit 35 Ramp, Syracuse, NY, MP 278.93 (BIN 5510090)

February 2017

Study Area



Notes:
1. Basemap: ESRI ArcGIS Online "World Street Map" Map Service.
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

www. edrdpc. com



Replacement of Syracuse Division Bridges

Town of East Syracuse, Onondaga County, New York

Figure 2. Study Area -
Exit 35 Ramp, Syracuse, NY, MP 278.93 (BIN 5510090)

February 2017

Notes: 1. Basemap: ESRI ArcGIS Online "World Imagery" Map Service
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

Study Area

www.edrdpc.com

Appendix B: Site Photographs



Photo 1

View of Exit 35 Ramp bridge over Thruway, facing east



Photo 2

View of Exit 35 Ramp bridge over Thruway, facing northwest



Photo 3

View of NYSTA toll plaza at Exit 35, facing southwest



Photo 4

View of NYSTA building and toll booth plaza at Exit 35, facing east



Photo 5

View of adjacent property north of Study Area, occupied by True Green Lawn Care Company



Photo 6

View of properties along Commerce Boulevard, northwest of the Study Area



Photo 7

View of properties along Joy Road to the north of the Study Area, facing north



Photo 8

View of Motel 6 located adjacent to the southeast of the Study Area, facing east

Appendix C: Sanborn Maps

Exit 35 Ramp

I-90 Exit 35

East Syracuse, NY 13057

Inquiry Number: 4843392.3

February 02, 2017

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

02/02/17

Site Name:

Exit 35 Ramp
I-90 Exit 35
East Syracuse, NY 13057
EDR Inquiry # 4843392.3

Client Name:

Environmental Design & Research, d.p.c
217 Montgomery Street
Syracuse, NY 13202
Contact: Caitlin Graff

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Environmental Design & Research, d.p.c were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 3D6A-45D1-AC25

PO # 16134-6

Project 16134-6

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 3D6A-45D1-AC25

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Appendix D: Historic and Recent Aerial Photographs

Exit 35 Ramp

I-90 Exit 35

East Syracuse, NY 13057

Inquiry Number: 4843392.5

February 02, 2017

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

02/02/17

Site Name:

Exit 35 Ramp
I-90 Exit 35
East Syracuse, NY 13057
EDR Inquiry # 4843392.5

Client Name:

Environmental Design & Research, d.p.c
217 Montgomery Street
Syracuse, NY 13202
Contact: Caitlin Graff

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

Search Results:

Year	Scale	Details	Source
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1995	1"=500'	Acquisition Date: March 27, 1995	USGS/DOQQ
1988	1"=500'	Flight Date: October 31, 1988	NYDOT
1986	1"=500'	Flight Date: April 14, 1986	USGS
1978	1"=500'	Flight Date: September 13, 1978	USDA
1966	1"=500'	Flight Date: June 22, 1966	USDA
1959	1"=500'	Flight Date: May 25, 1959	USDA
1951	1"=500'	Flight Date: October 15, 1951	USDA
1938	1"=500'	Flight Date: July 05, 1938	USDA

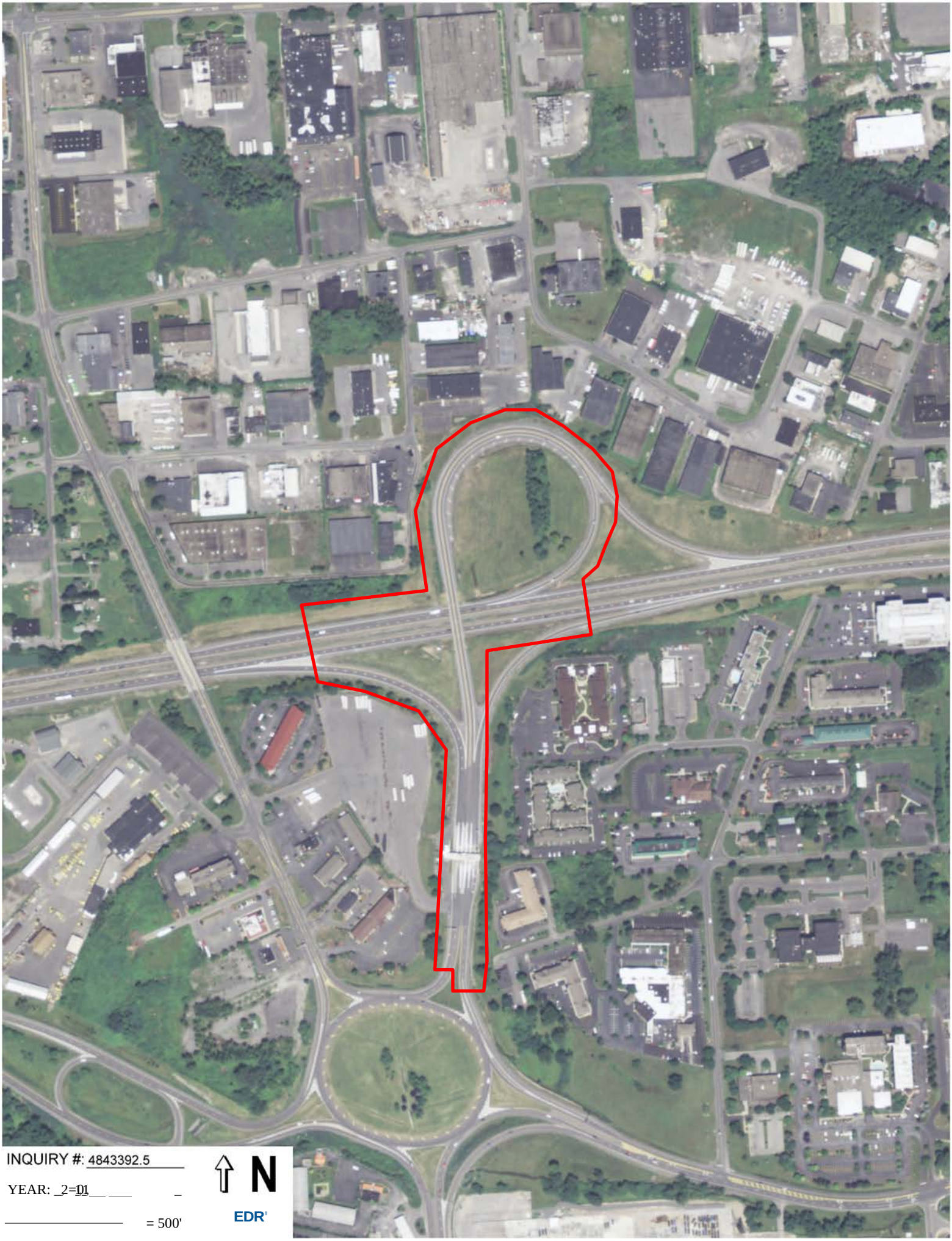
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

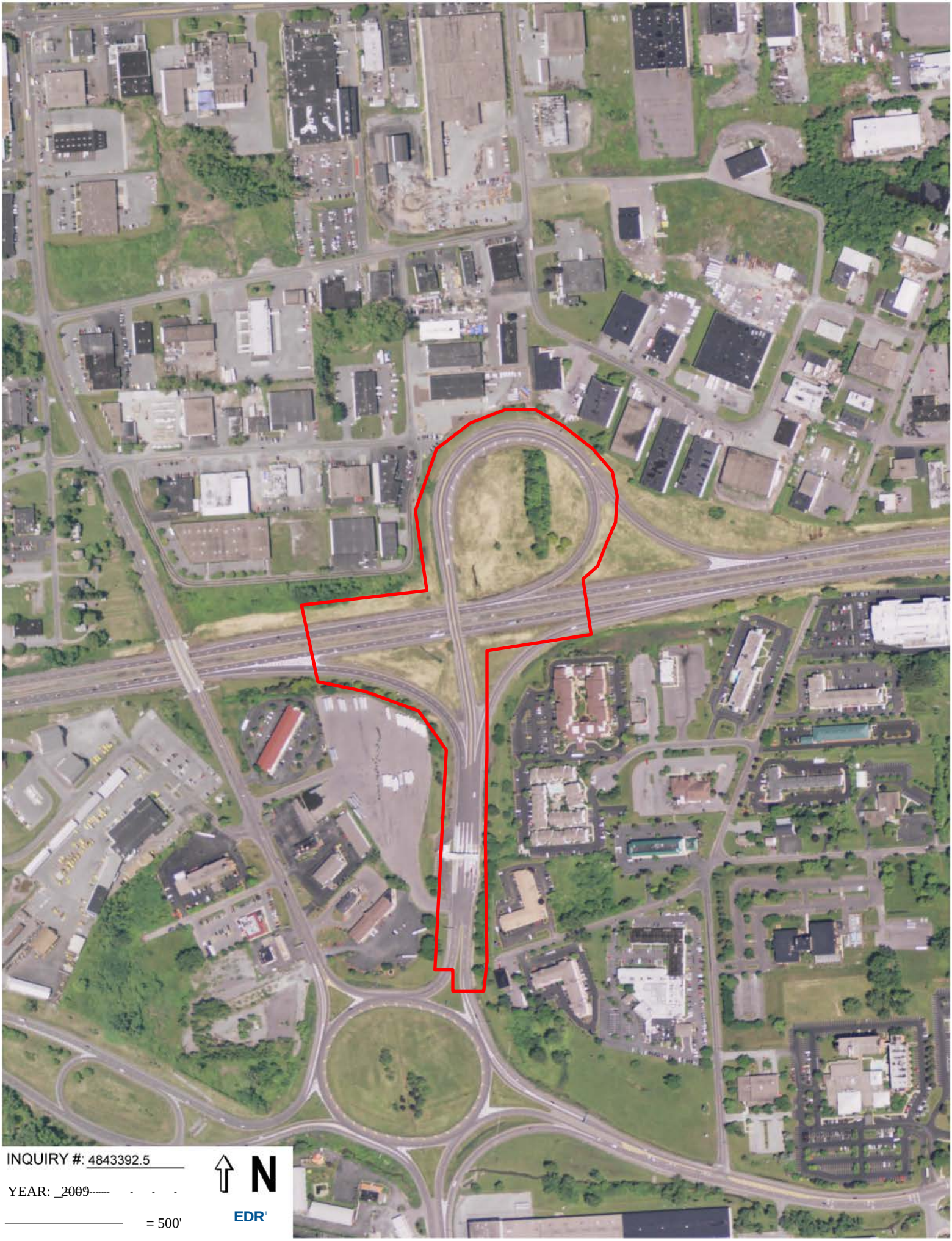
Disclaimer - Copyright and Trademark Notice

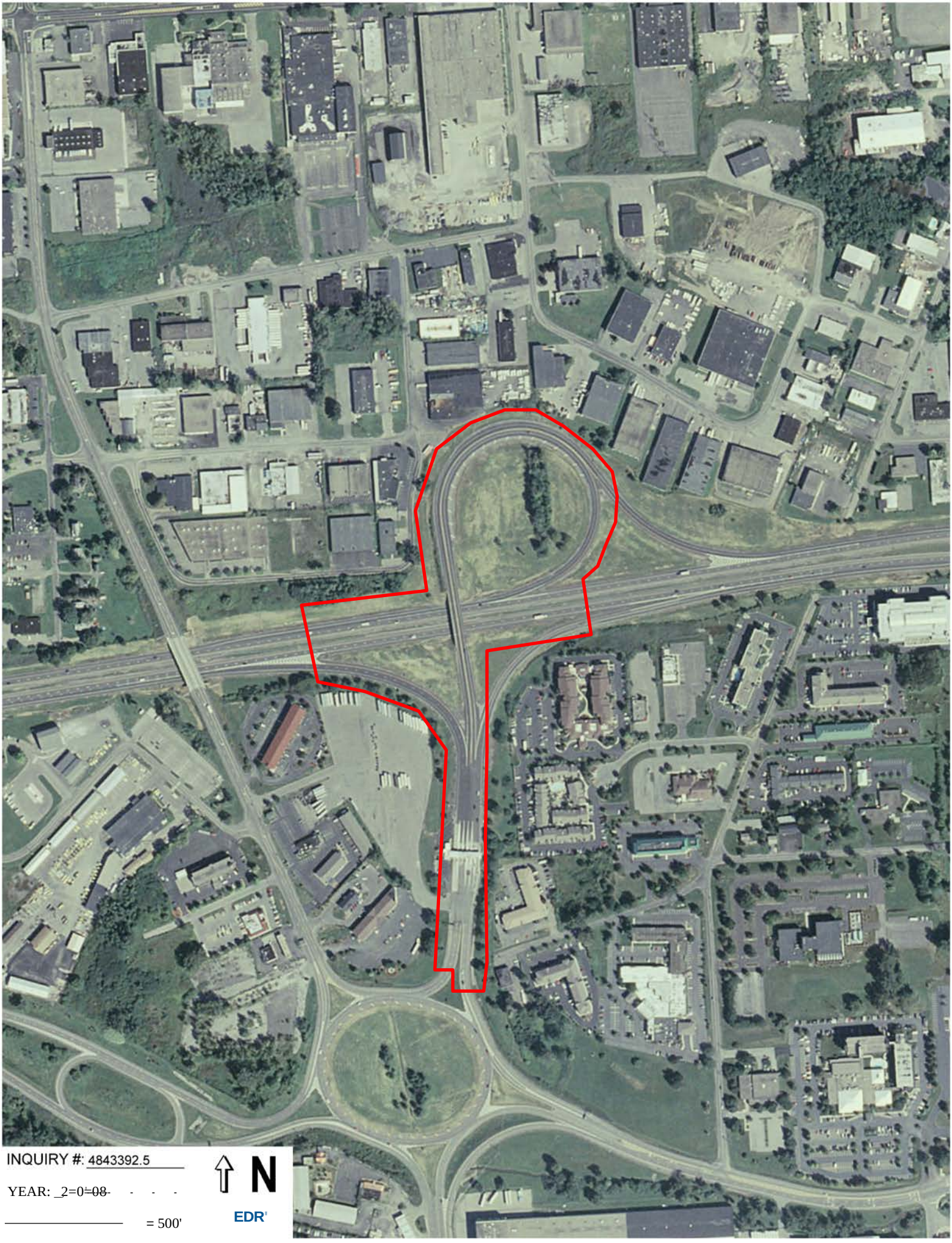
This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

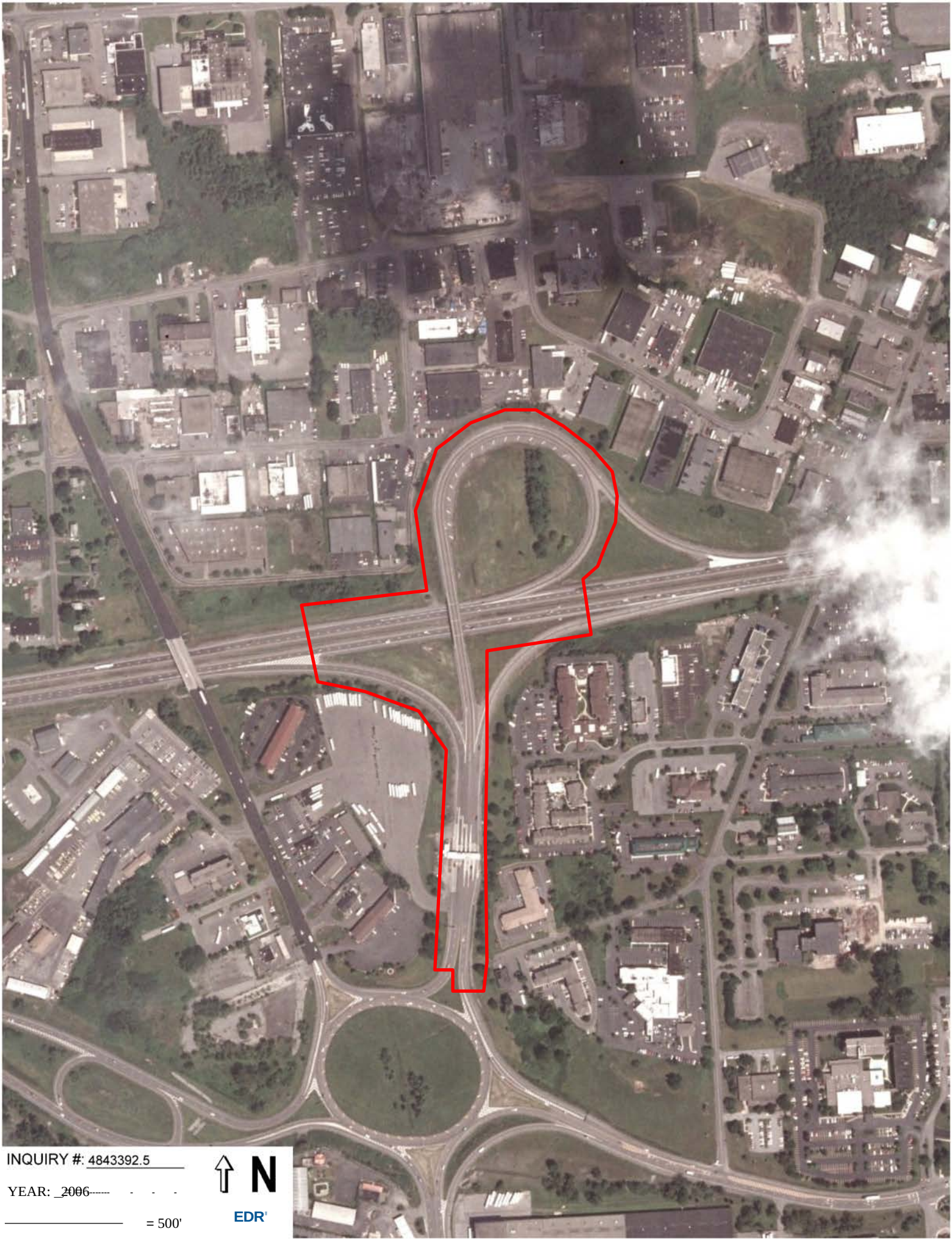
Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

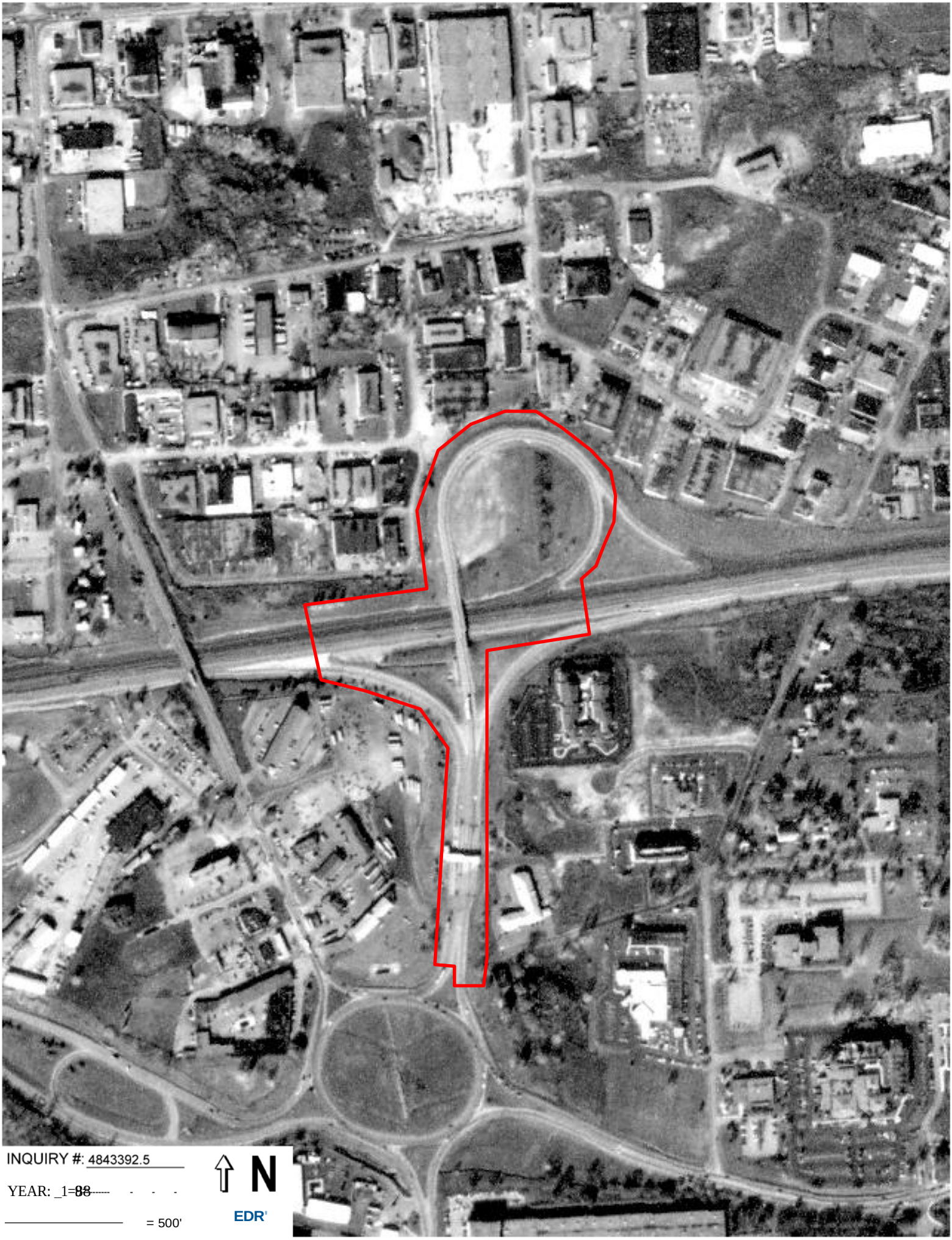

INQUIRY #: 4843392.5
YEAR: 2=01
= 500'
N
EDR


INQUIRY #: 4843392.5
YEAR: 2009
= 500'
N
EDR

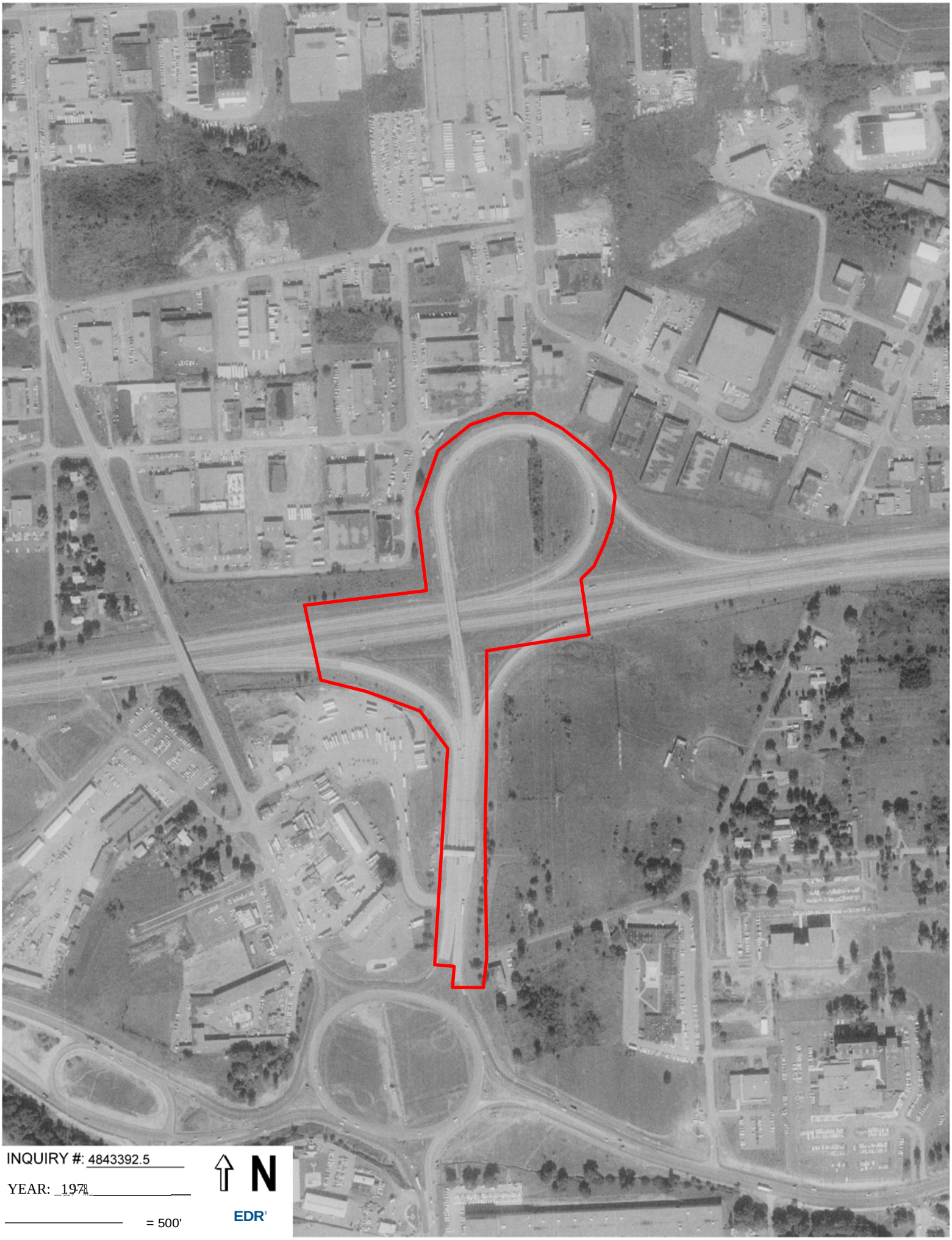

INQUIRY #: 4843392.5
YEAR: 2=0=08 - - -
= 500'
N
EDR

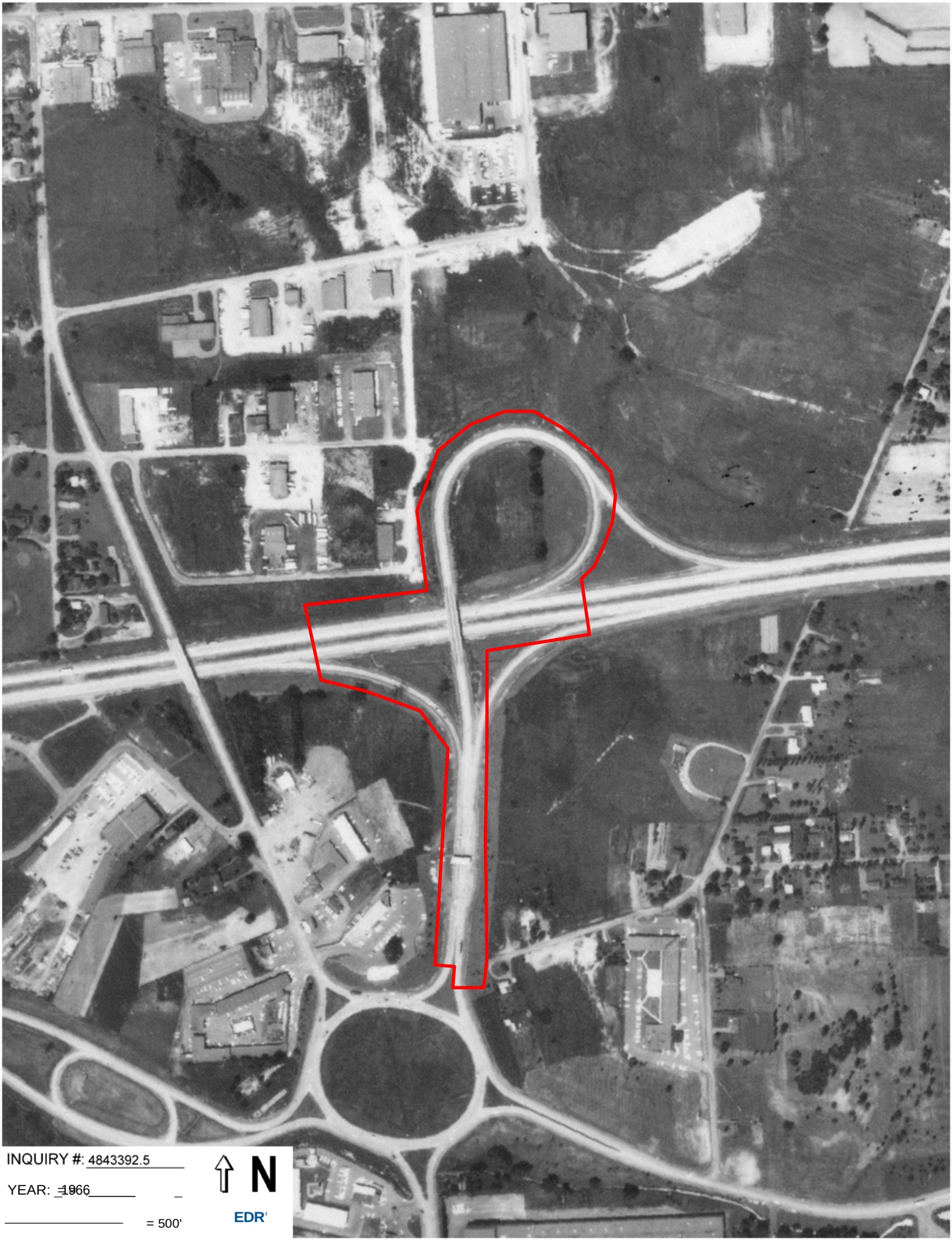

INQUIRY #: 4843392.5
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 4843392.5
YEAR: 1995
= 500'
N
EDR


INQUIRY #: 4843392.5
YEAR: _1=88
= 500'
N
EDR


INQUIRY #: 4843392.5
YEAR: 1=9=86
= 500'
N
EDR


INQUIRY #: 4843392.5
YEAR: 1978
= 500'
N
EDR



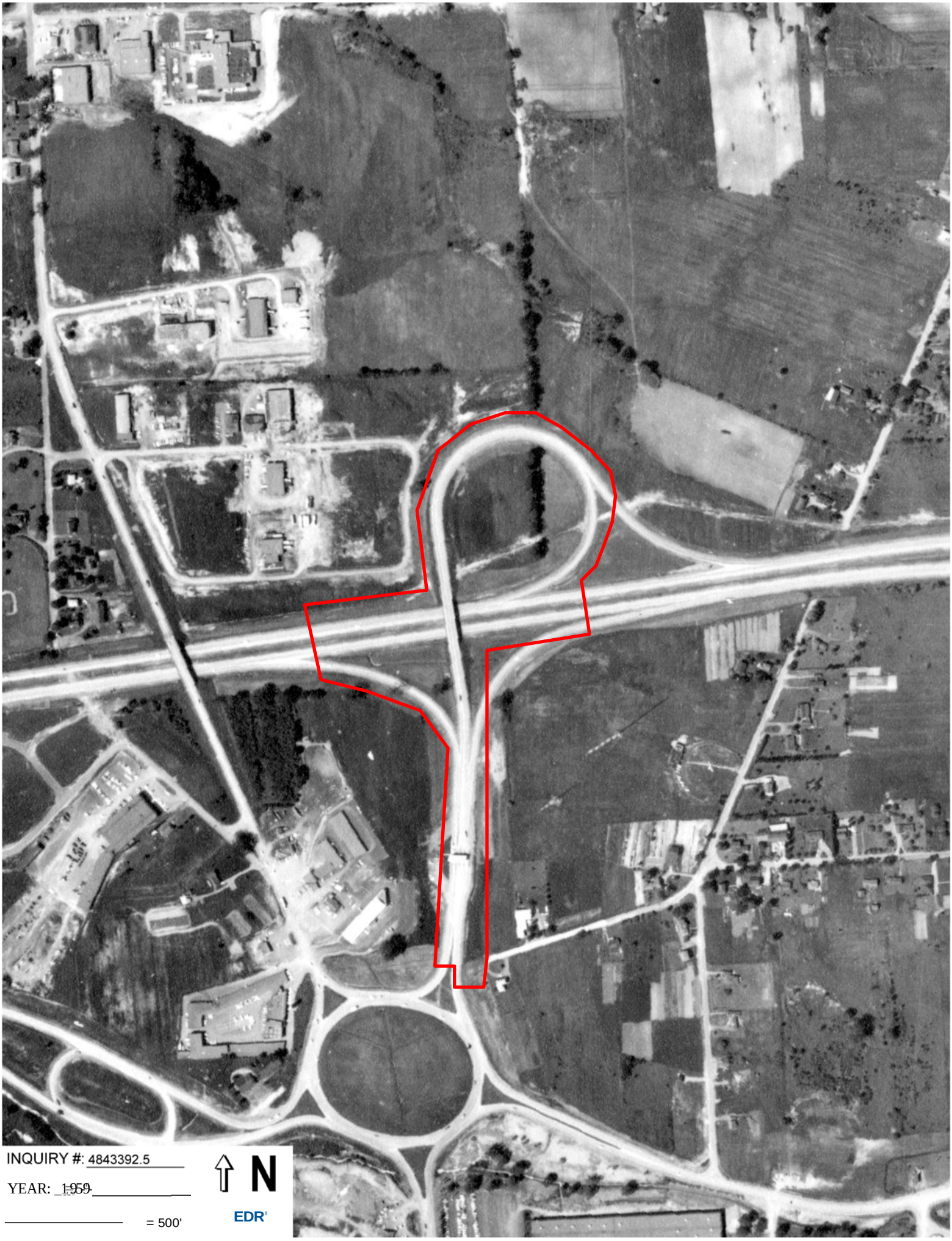
INQUIRY #: 4843392.5

YEAR: 1966

= 500'

N

EDR



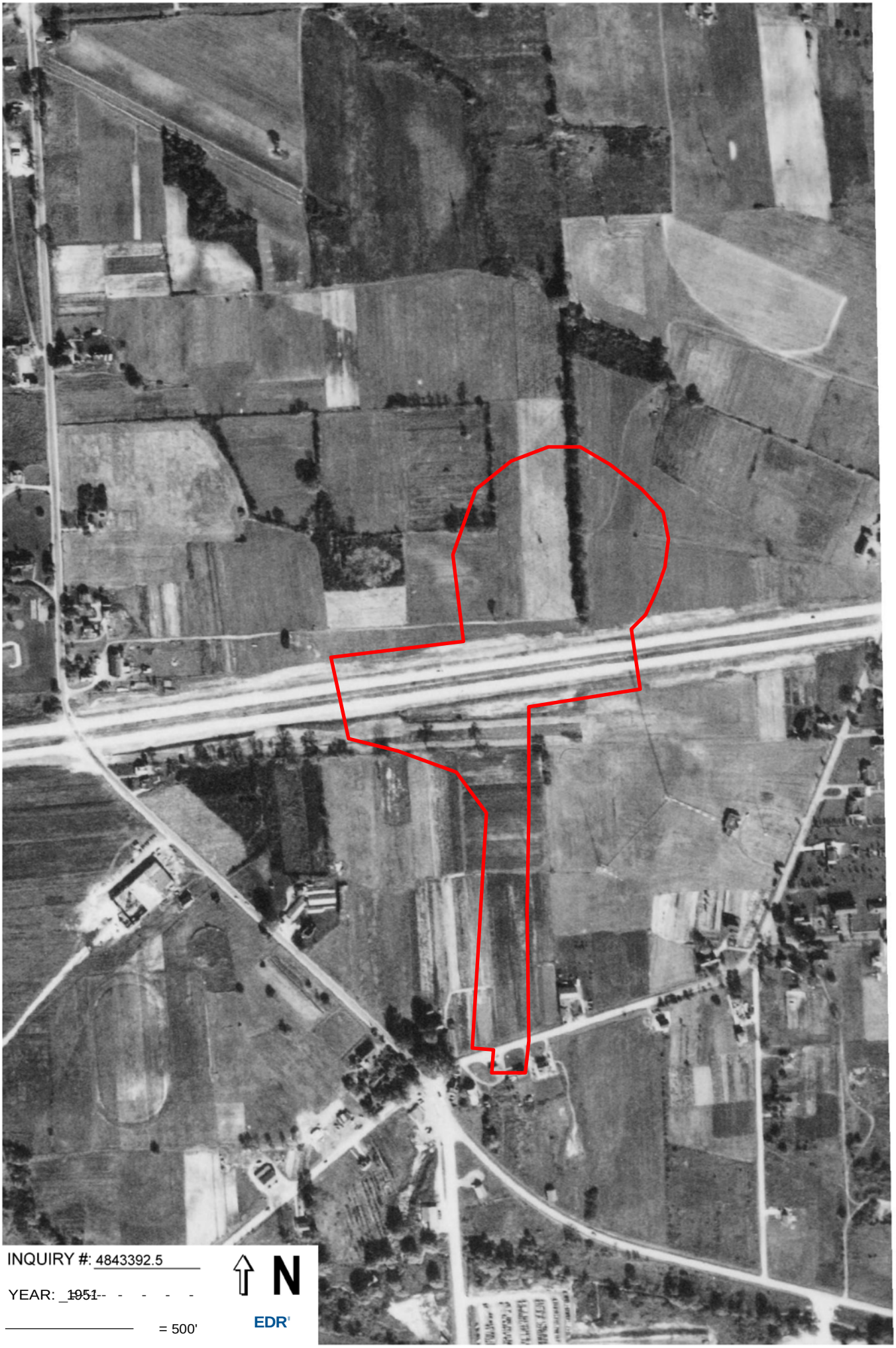
INQUIRY #: 4843392.5

YEAR: 1959

= 500'

N

EDR



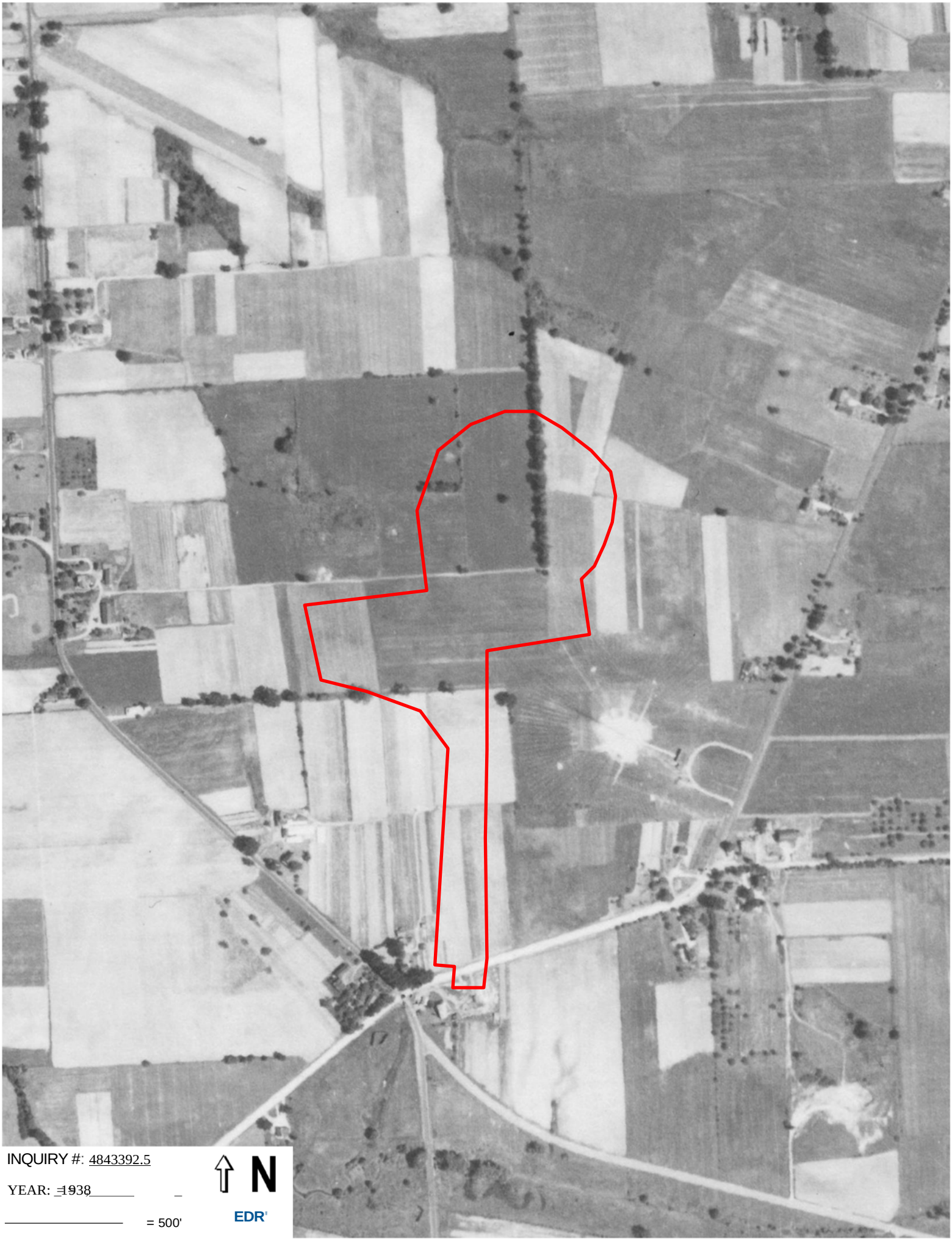
INQUIRY #: 4843392.5

YEAR: ~~1951~~ - - - - -

= 500'

N

EDR



INQUIRY #: 4843392.5

YEAR: 1938

= 500'

N

EDR

HAZARDOUS WASTE/CONTAMINATED MATERIALS SCREENING (FINAL)

Replacement of Syracuse Division Bridges

Milepost 282.62: Bear Trap Creek

BIN 5510130

Salina, Onondaga County, New York

Prepared for:

New York State Thruway Authority
200 Southern Blvd.
P.O. Box 189
Albany, NY 12201-0189

Stantec
61 Commercial Street, Suite 100
Rochester, NY 14614
www.stantec.com

Prepared by:

Environmental Design & Research,
Landscape Architecture, Engineering, & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1000
Syracuse, New York 13202
www.edrdpc.com

February 2017

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1

LIMITATIONS 1

1.0 INTRODUCTION 3

2.0 METHODOLOGY 3

2.1 Site Inspection 3

2.2 Past and Current Land Use Research 3

2.3 Records Review 4

3.0 FINDINGS 4

3.1 Site Inspection Findings 4

3.2 Past and Current Land Use Research Findings 5

3.3 Records Review Findings 6

3.4 Locations of Concern 7

4.0 CONCLUSIONS AND RECOMMENDATIONS 8

REFERENCES 10

Attachments

Appendix A: Figures
Appendix B: Site Photographs
Appendix C: Sanborn Maps
Appendix D: Historic and Recent Aerial Photographs

EXECUTIVE SUMMARY

A Hazardous Waste/ Contaminated Materials Screening was conducted for the New York State Thruway Bridge over Bear Trap Creek, at Mile Point (MP) 282.62 on the New York State Thruway (Interstate 90), in Salina, Onondaga County, New York (BIN 5510130). The screening is focused on a Study Area extending approximately 1,500 feet east and west of the bridge along the Thruway, as well as a 100-foot corridor in both the north and south directions along Bear Trap Creek. The Study Area was defined by Stantec. This screening included a review of available records and a Study Area walkover inspection, which was conducted on November 16, 2016. The purpose of this screening is to identify potential areas of environmental concern that may be disturbed during construction.

Based on the information reviewed for this screening, the following is noted:

- A marker indicating the presence of a buried petroleum pipeline was observed along the Thruway, adjacent to the Study Area. Based on the location of this marker, it is expected that the buried petroleum pipeline runs parallel to the Thruway in an east/west direction adjacent to the Study Area. Prior to excavations for the proposed Project, the location of the pipeline should be confirmed to avoid potential impacts to this pipeline.

- The Ley Creek Transfer Station, operated by Onondaga County Resource Recovery Agency (OCRRA), is located southeast of the Study Area. This facility is listed as a state registered landfill, and is also listed eight times on the NYSDEC Spills database. The listed NYSDEC spills at this facility are listed as closed. Due to active landfill operations on this adjacent property, if excavation on or adjacent to this transfer station are planned, soil and/or groundwater sampling iswarranted.

- The Old Salina Landfill is located to the east of the Ley Creek Transfer Station, southeast of the Study Area. Contamination from this landfill has been identified as causing soil contamination, groundwater contamination, and contamination of water and sediments in Ley Creek, which is southeast of the landfill. The Town of Salina Landfill is contributing contamination to Onondaga Lake; therefore, it is considered a “Sub-Site” of the Onondaga Lake National Priorities List (NPL) site. Remedial actions are reportedly ongoing through cooperation with the New York State Department of Environmental Conservation (NYSDEC) and the United States Environmental Protection Agency (EPA) in an effort to clean up contamination associated with the Old Salina Landfill. However, based on documented soil and groundwater contamination at this adjacent site, if excavation on or adjacent to this parcel is planned, soil and/or groundwater sampling is warranted.

The following report discusses the complete findings of the Hazardous Waste/ Contaminated Materials Screening.

LIMITATIONS

The findings presented in this screening are based on a description of project activities provided by Stantec, observations noted on the date of the site reconnaissance, and the accuracy and timeliness of the published databases and government records. Should any of the proposed project components change, so may the findings of this screening. Additionally, while this investigation was performed in accordance with the New York State Thruway Authority (NYSTA) Scope of Services provided by Stantec, good commercial and customary practice, and generally accepted protocols, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C. (EDR) cannot guarantee that the property is free of hazardous substances or other materials or conditions. The

presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or groundwater samples, which was beyond the scope of this investigation.

This screening was prepared for the exclusive use of Stantec and the NYSTA, and should not be reproduced or disseminated without the written approval of EDR. Use of this report in whole or in part by parties other than Stantec and the NYSTA is prohibited.

1.0 INTRODUCTION

EDR, as sub-consultant to Stantec has been retained to perform a Hazardous Waste/ Contaminated Materials Screening for the New York State Thruway bridge over Bear Trap Creek, MP 282.62 on the Thruway, in Salina, Onondaga County, New York. The screening is focused on a Study Area, defined by Stantec, which extends approximately 1,500 feet in both the east and west directions along the Thruway, and 100-feet from the bridge in the north and south directions along Bear Trap Creek.

The NYSDOT *Environmental Manual (TEM)* Chapter 4.4.20 was utilized for guidance during this assessment. The project location is indicated on the Regional Project Location Map (Figure 1), and the Study Area is identified on the Site Location Map (Figure 2).

As described in the NYSTA Scope of Services provided by Stantec, this preliminary screening is a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials.

2.0 METHODOLOGY

This assessment included a walkover reconnaissance of the Study Area, a review of existing information about past and current land use, and a review of published databases and government records, including Inactive Hazardous Waste Site Registry, Chemical and Petroleum Bulk Storage records, waste incident/chemical releases reports, and other federal, state, county, and local sources of information (see References). In February 2017, Environmental Data Resource, Inc. was contracted by EDR to provide a listing of published databases of hazardous waste sites in the vicinity of the Study Area. These databases provide a listing of sites of potential concern as identified by a review of Federal, State and local databases. This database review was supplemented with a review of published databases available through the NYSDEC web site. The environmental database report is available upon request.

2.1 Site Inspection

A walkover site reconnaissance of the Study Area was conducted on November 16, 2016. The walkover was performed in an attempt to identify visual evidence of contamination such as: discolored or stained soil, stressed or dead vegetation, spills, leaks, leachate or discolored water, air emissions or odors, evidence of previous fires, and evidence of oil sheens on water. In addition, the walkover included a visual survey that attempted to identify whether the following are present within the Study Area: underground or aboveground tanks, vent/fill pipes, well casings or riser pipes from monitoring wells, refueling or pump islands, drums or chemical containers, discarded transformers or transformer pads, surface impoundments or lagoons, landfills or dumps, dumpsters or bulk solid waste, railroad tracks or railyards, sumps, drywells, or septic systems.

2.2 Past and Current Land Use Research

Historical mapping and aerial photography are utilized as part of the Hazardous Waste/ Contaminated Materials screening as they serve as an historical reference to prior land use. Historical mapping and aerial photography was reviewed to identify locations where past use(s) could be considered an environmental concern. Examples of how a past land usage

could lead to an environmental concern is the presence of contaminated soils from a former filling station, automotive repair shop, large manufacturing plant, chemical plant, drycleaner, etc. Based on the location of such sites with respect to the Study Area and the specific past land use, the need for further investigation may be eliminated or warranted.

The following resources were researched to establish the past and current land use within the Study Area:

Sanborn Map Review – According to the Environmental Data Resource, Inc., the Study Area is unmapped on Sanborn maps. The Data Resource report states: *This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found* (see Appendix C).

Aerial Photographs - Aerial photographs taken in 1938, 1951, 1959, 1966, 1978, 1988, 1995, 2006, 2008, 2009, and 2011 supplied by Environmental Data Resource, Inc. were reviewed. These aerial photographs are included in Appendix D. Supplemental aerial photography from Google Earth for the years, 1995, 2003, 2005, 2006, 2008, 2009, and 2011, was also reviewed.

2.3 Records Review

A review of Federal, State and local Environmental databases was conducted. Environmental Data Resource, Inc. was contracted by EDR to provide a comprehensive review of Federal, State and local listed data on potential hazardous waste sites in the vicinity of the Study Area. The environmental database report is available upon request. This data search was performed in accordance with ASTM E-1527-05 standards for minimum search distance. The use of the database report allows for a comprehensive listing of sites of potential concern.

United States EPA and NYSDEC online databases were reviewed and cross-referenced as part of the review process to supplement the environmental database review referenced above.

3.0 FINDINGS

The project is located in Salina, Onondaga County, New York (Figure 2). The project includes the replacement of the existing New York State Thruway Bridge (BIN 5510130) over Bear Trap Creek at MP 282.62. According to Stantec, the purpose of the project is to improve traffic operations and safety of this Thruway Bridge.

3.1 Site Inspection Findings

The Study Area was observed to be occupied primarily by the mainline of the New York State Thruway (I-90), a built-up interstate highway which passes over Bear Trap Creek in the center of the Study Area. The bridge at the center of the Study Area is a two-cell concrete box style bridge that allows Bear Trap Creek to flow to the south under the Thruway. The western portion of the Study Area includes the mainline of the Thruway where it passes under Interstate Route 81. The Route 81 bridge, as well as a pedestrian bridge, cross over the Study Area to the west of Bear Trap Creek. The north-south oriented portion of the Study Area is occupied by Bear Trap Creek. No buildings are located within the Study Area, and no evidence of underground or aboveground tanks, chemical storage/drums, or other evidence of hazardous material releases were observed during the site walkover.

The topography of the area is generally flat, with a slight slope down toward Bear Trap Creek at the center of the Study Area, and an overall slope down to the south. The Study Area is a built-up roadway that is slightly elevated above the surrounding ground surface. Bear Trap Creek is located at the center of the Study Area, and flows to the south, where it connects with Ley Creek less than ½ mile south of the Study Area. Ley Creek flows south toward Onondaga Lake, located over one mile south of the Study Area. Groundwater at the Study Area is expected to generally flow toward the south.

Limited solid waste debris was observed along the side of the Thruway within the Study Area; however, significant dumping was not noted. Note also that a marker indicating the presence of a buried petroleum pipeline was observed along the Thruway, adjacent to the Study Area. Based on the location of this marker, it is expected that the buried petroleum pipeline runs parallel to the Thruway in an east/west direction adjacent to the Study Area.

Properties in the immediate vicinity of the Study Area include:

- Interstate Route 81 crosses over the Thruway in the western portion of the Study Area. Exit 36 for the Thruway, to the west of the Study Area, provides access to Route 81 northbound and southbound.
- The area to the northwest of the Study Area is occupied by the NYSTA Exit 36 tandem lot, which is located to the south of the Exit 36 tollbooth plaza.
- Northeast of the Study Area is undeveloped land, beyond which is a network of local roads occupied by residences.
- Route 81 is located southwest of the Study Area.
- Southeast of the Study Area are wooded and vegetated areas, beyond which is the Onondaga County Ley Creek Drop-off Transfer Station, which specializes in disposing of construction and demolition debris, as well as trash and recycling.
- Further east of the Ley Creek Transfer Station is the site of the Old Salina Landfill, which is discussed further in the following sections.

Photographs obtained during the walkover site inspection of the Study Area are included in Appendix B.

3.2 Past and Current Land Use Research Findings

Aerial photographs taken in 1938, 1951, 1959, 1966, 1978, 1988, 1995, 2006, 2008, 2009, and 2011 supplied by Environmental Data Resource, Inc. were reviewed.

The historic and recent aerial photographs for the Study Area (Appendix D) identified the following:

- In 1938, the Study Area was occupied by agricultural fields, with Bear Trap Creek and adjacent vegetation present through the middle of the Study Area. To the northeast of the Study Area, scattered residences on local roads are present. To the southeast of the Study Area, a developed area is present in the current location of the Ley Creek Transfer Station.
- In 1951, the location of the Thruway appears to have been cleared. Agricultural fields are present to the northwest and southwest, and more residences are located to the northeast. The disturbed area to the southeast appears to be a water treatment facility.
- In the 1959 aerial, the Thruway is visible, as well as Interstate Route 81 and associated ramps. Additional residences had been constructed to the northeast of the Study Area at this time, and the water treatment facility to the southeast was present.

- The 1966 aerial was largely consistent with 1959, with the addition of the NYSTA tollbooth, parking lot, and associated facilities to the northwest of the Study Area. The water treatment facility to the southeast of the Study Area remained present. Further east of the waste treatment facility, a large area was labeled "dumping" on this aerial. Based on a review of on-line records (http://www.onondagalake.org/wp-revision/superfund-sites/salina-town-landfill/), the Old Salina Landfill operated from at least the 1950s to the southeast of the Study Area. This landfill accepted domestic, commercial, and industrial wastes from the 1950s through the 1970s. Hazardous wastes were disposed of at this facility, including paint sludge, paint thinner and reducer, and PCB contaminated waste. The landfill was reportedly closed with a site cover in 1982. See Section 3.4 for further discussion.
- Aerial photographs from 1978, 1988, and 1995 were generally consistent with the 1966 aerial, although the "dumping" label to the southeast was no longer present.
- The 2006 aerial photograph shows the Study Area to be largely occupied by the Thruway. Surrounding areas were generally consistent with previous years; however, by this time, many of the facilities associated with the water treatment facility to the southeast had been removed, with one building and parking area remaining at the southeast portion of the parcel. The remaining structures on this property to the southeast appear generally similar to the existing Ley Creek Transfer Station facilities.
- Recent aerial photographs show the Study Area and surrounding areas generally as the currently exist.

Additional discussion of the findings of the historical mapping and aerial photography review is included in the discussion of the properties and/or locations of concern in Section 3.3 of this report, if warranted.

3.3 Records Review Findings

Table 1 summarizes the information available through the Environmental Data Resource, Inc. database search and supplemented through a review on line databases, an understanding of the Study Area, and a site reconnaissance.

Table 1: Environmental Records Review

Standard Environmental Record Sources	Minimum Search Distance – ASTM Standard: miles (kilometers)	No. of Listed Properties[1]
Federal NPL Site List	1.0 (1.6)	1
Federal Delisted NPL Site List	0.5 (0.8)	0
Federal CERCLIS List (SEMS)	0.5 (0.8)	2
Federal CERCLIS NFRAP Site List (SEMS Archive)	0.5 (0.8)	0
Federal RCRA CORRACTS Facilities List	1.0 (1.6)	3
Federal RCRA non-CORRACTS TSD Facilities List (RCRA-TSDF)	0.5 (0.8)	1
Federal RCRA Generators List	Property and adjoining properties only	0
Federal Institutional Control/ Engineering Control Registries	Property only	2
Federal ERNS List	Property only	0
State equivalent NPL	1.0 (1.6)	0
State equivalent CERCLIS (Inactive Hazardous Waste Disposal Sites – SHWS)	0.5 (0.8)	0
State Landfill and/or Solid Waste Disposal Site Lists (Solid Waste Facility/Landfill – SWF/LF)	0.5 (0.8)	5
State Leaking Storage Tank Lists (LTANKS)	0.5 (0.8)	14

Standard Environmental Record Sources	Minimum Search Distance – ASTM Standard: miles (kilometers)	No. of Listed Properties[1]
State Registered Storage Tank Lists (UST/AST)	0.25 (0.4)	4
State Institutional Control/Engineering Control Registries	Property only	0
State Voluntary Cleanup Sites	0.5 (0.8)	0
State Brownfield Sites	0.5 (0.8)	1
Additional Environmental Record Sources:		
Federal FINDS	Property only	0
Local List of Registered Storage Tanks (NY HIST UST/AST)	0.25 (0.4)	1
State Leaking Storage Tank Lists (HIST LTANKS)	0.5 (0.8)	0
NY Spills	0.125 (0.2)	10
Federal RCRA – NonGen	0.25 (0.4)	4
State Manifest Records	0.25 (0.4)	2

[1]Sites may be listed in more than one database.

3.4 Locations of Concern

Based on the site inspection and records review, sites identified as potentially posing a negative impact on the proposed project are described below:

NYS Thruway, Exit 36

Nine NYSDEC Spills were identified on the database report as having occurred at Exit 36 on the Thruway. These Spills were reported between 1987 and 2001 and were the result of traffic accidents and/or equipment failures from vehicles. These nine spills are all listed as having been closed by the NYSDEC.

NYS Thruway, Exit 36

One leaking UST tank was identified on the database report at Exit 36 on the Thruway. This release was reported in 1993, and reportedly involved a 1,000-gallon fuel oil tank used for heating at the NYSTA toll booth. The tank was reportedly removed in 1993, and contaminated soil was also excavated. As stated in the database report, the release was closed by the NYSDEC in 1995.

Ley Creek Transfer Station, 5158 Ley Creek Drive

The Ley Creek Transfer Station, operated by the OCRRA, is located southeast of the Study Area. This facility is listed as a state registered landfill, and is also listed eight times on the NYSDEC Spills database. The database indicates that the landfill permit for this facility is valid until 2024. The spills reported at this facility occurred between 1998 and 2016, and were generally reported to be commercial vehicle and/or equipment failures. The listed NYSDEC spills at this facility are all listed as closed.

Old Salina Landfill, Route 11 and Wolf Street

The Old Salina Landfill is located to the east of the Ley Creek Transfer Station. Based on a review of on-line records, the Old Salina Landfill operated from at least the 1950s in this location southeast of the Study Area. This landfill accepted domestic, commercial, and industrial wastes from the 1950s through the 1970s. Hazardous wastes were disposed of at this facility, including paint sludge, paint thinner and reducer, and PCB contaminated waste. Contamination from this landfill has been identified as causing soil contamination, groundwater contamination, and contamination of water and sediments in Ley Creek, which is adjacent to the southeast of the landfill. Ley Creek

discharges to Onondaga Lake, and the Old Salina Landfill has been identified as a contributing factor of contamination in Onondaga Lake.

In 1994, Onondaga Lake, its tributaries and the upland sites which were found to be impacting the lake was added to the EPA's Superfund National Priorities List (NPL). The Town of Salina Landfill is contributing such contamination and, therefore, is considered a "Sub-Site" of the Onondaga Lake NPL site (http://www.onondagalake.org/wp-revision/superfund-sites/salina-town-landfill/).

Remedial actions are reportedly ongoing through cooperation with the NYSDEC and the United States EPA an effort to clean up contamination associated with the Old Salina Landfill. Remedies include capping landfill areas, construction of groundwater/leachate collection trenches, and the excavation of contaminated sediments from the swales and wetlands located along the edges of the sites.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the information reviewed and the site inspection the following items of environmental concern were identified:

- A marker indicating the presence of a buried petroleum pipeline was observed along the Thruway, adjacent to the Study Area. Based on the location of this marker, it is expected that the buried petroleum pipeline runs parallel to the Thruway in an east/west direction adjacent to the Study Area. Prior to excavations for the proposed Project, the location of the pipeline should be confirmed to avoid potential impacts to this pipeline.

- The Ley Creek Transfer Station, operated by OCRRA, is located southeast of the Study Area. This facility is listed as a state registered landfill, and is also listed eight times on the NYSDEC Spills database. The listed NYSDEC spills at this facility are listed as closed. Due to active landfill operations on this adjacent property, if excavation on or adjacent to this transfer station are planned, soil and/or groundwater sampling is warranted.

- The Old Salina Landfill is located to the east of the Ley Creek Transfer Station, southeast of the Study Area. Contamination from this landfill has been identified as causing soil contamination, groundwater contamination, and contamination of water and sediments in Ley Creek, which is adjacent to the southeast of the landfill. The Town of Salina Landfill is contributing contamination to Onondaga Lake; therefore, it is considered a "Sub-Site" of the Onondaga Lake NPL site. Remedial actions are reportedly ongoing through cooperation with the NYSDEC and the EPA in an effort to clean up contamination associated with the Old Salina Landfill. However, based on documented soil and groundwater contamination at this adjacent site, if excavation on or adjacent to this parcel is planned, soil and/or groundwater sampling is warranted.

Note that this preliminary screening is intended to be a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials. The findings presented in this screening are based on the proposed project activities, observations noted at the time of the site walkover, and the accuracy and timeliness of the published databases and government records. Should any of the proposed project components change, so may the findings of this report. As noted in the Limitations section above, EDR cannot guarantee that the property is free of hazardous substances or other materials or conditions. The presence or

absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or groundwater samples, which was beyond the scope of this investigation.

REFERENCES

Environmental Data Resources, Inc. 2016. *The EDR Radius Map Report with GeoCheck.* February 7, 2017.

Environmental Data Resources, Inc. 2016. *Certified Sanborn Map Report.* February 2, 2017 (Appendix C).

Environmental Data Resources, Inc. 2016. *The EDR Aerial Photo Decade Package*. February 2, 2017 (Appendix D).

Environmental Protection Agency. 2016. *National Priorities List (NPL) Sites – by State*. Available at: https://www.epa.gov/superfund/national-priorities-list-npl-sites-state

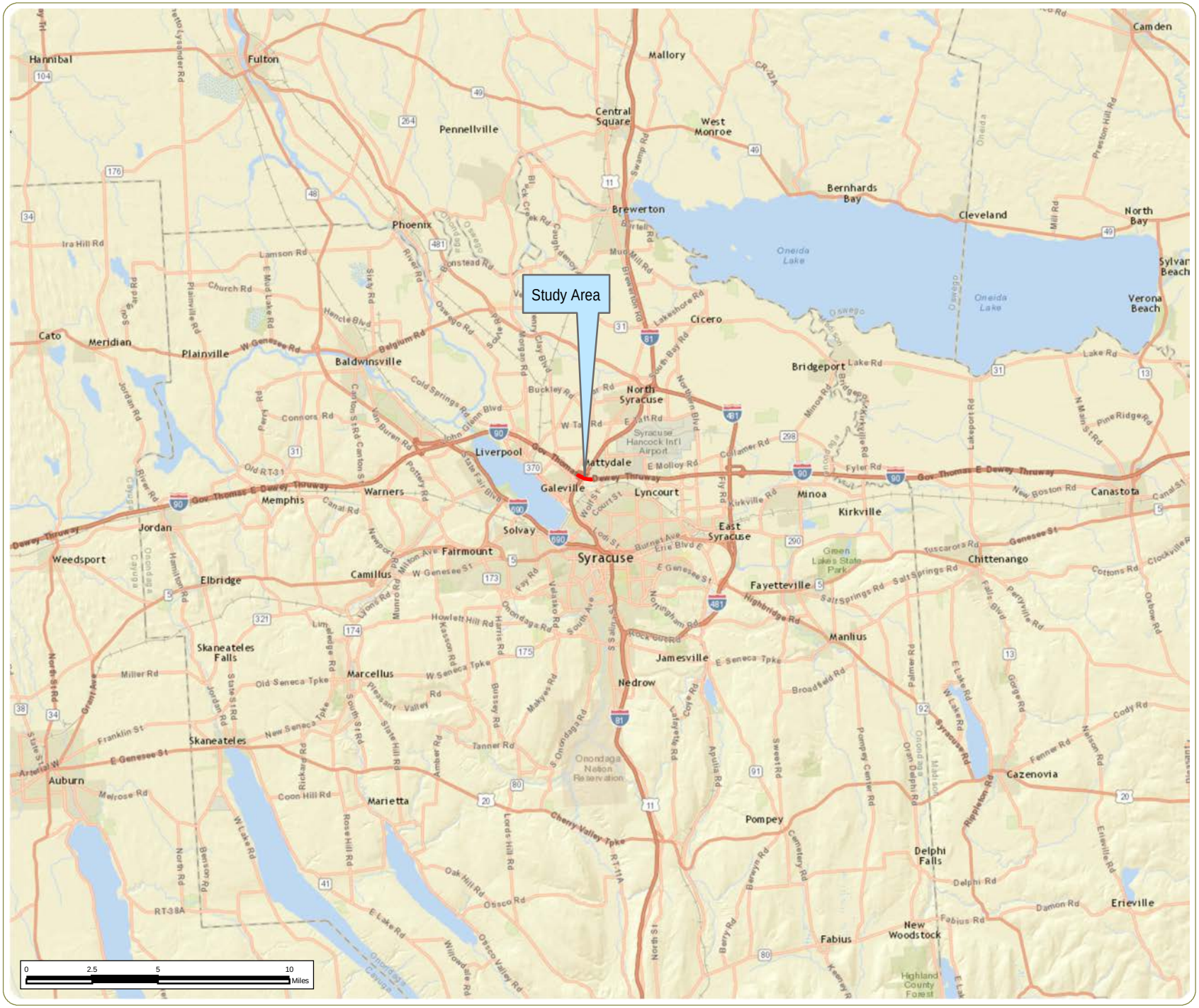
New York State Department of Environmental Conservation. 2017. *Spills Incident Database Search*. Available at: https://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=2

New York State Department of Environmental Conservation. 2017. *Bulk Storage Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=4

New York State Department of Environmental Conservation. 2017. *Environmental Site Remediation Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3

Onondaga Lake Super Fund Repository. 2007. *Salina Town Landfill*. Available at: http://www.onondagalake.org/wp-revision/superfund-sites/salina-town-landfill/

Appendix A: Figures



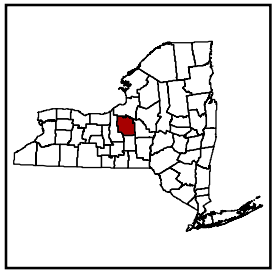
Replacement of Syracuse Division Bridges

Town of Salina,
Onondaga County, New York

Figure 1. Regional Project Layout - Bear Trap Creek, Salina, NY, MP 282.62 (BIN 5510130)

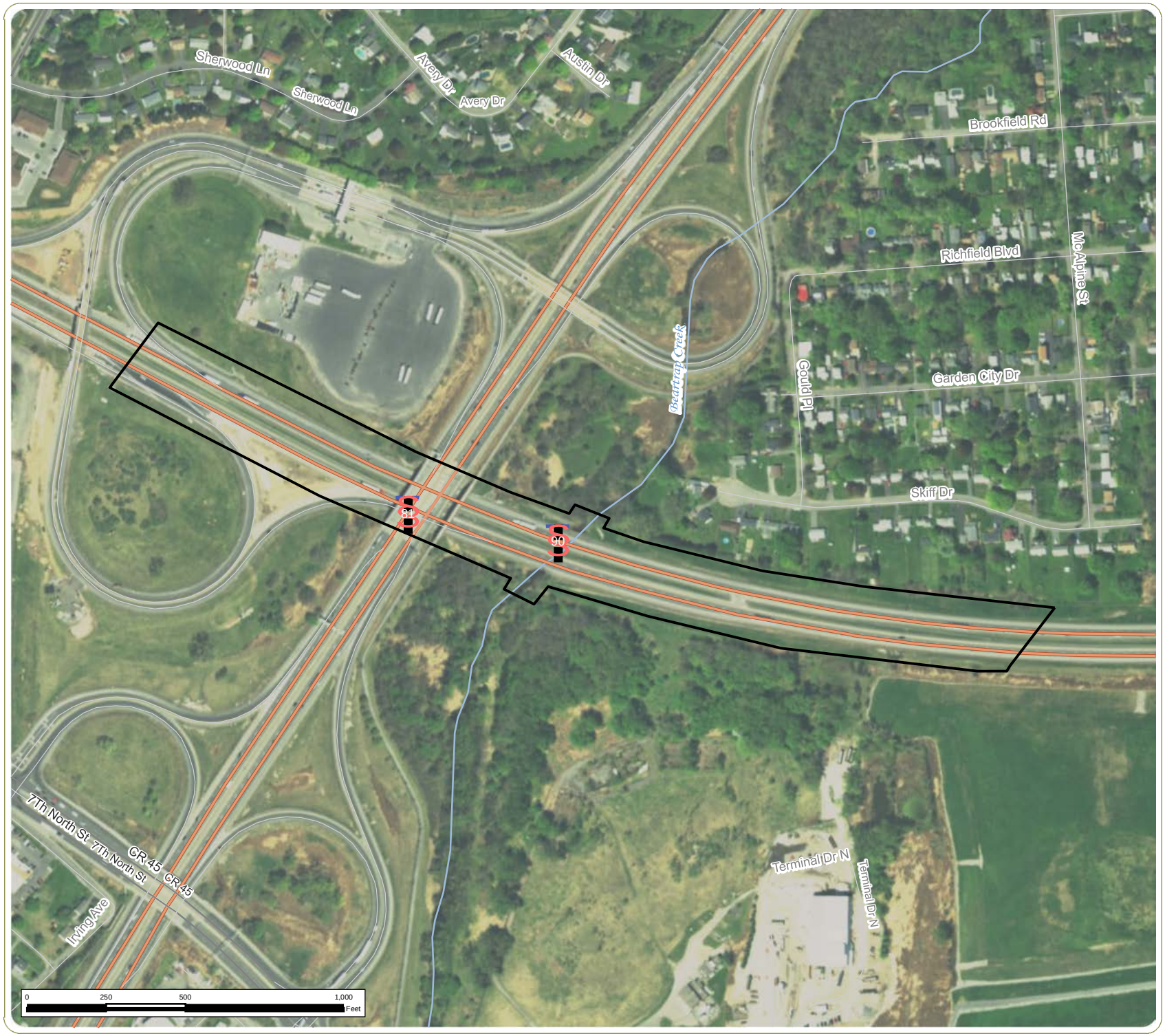
February 2017

Study Area



Notes:
1. Basemap: ESRI ArcGIS Online "World Street Map" Map Service.
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

www. edrdpc. com



Replacement of Syracuse Division Bridges

Town of Salina,
Onondaga County, New York

Figure 2. Study Area - Bear Trap Creek, Salina, NY, MP 282.62 (BIN 5510130)

February 2017

Study Area

Notes:
1. Basemap: ESRI ArcGIS Online "World Imagery" Map Service.
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

www. edrdpc. com

Appendix B: Site Photographs



Photo 1

View of the Thruway bridge over Bear Trap Creek, facing northeast



Photo 2

View of the built-up Thruway over Bear Trap Creek, facing northwest



Photo 3

View of Thruway within Study Area, facing west toward I-81 bridge



Photo 4

View of marker for buried petroleum pipeline noted adjacent to the Study Area



Photo 5

View toward Ley Creek Transfer Station adjacent to Study Area, facing south



Photo 6

View toward closed landfill adjacent to Study Area, facing southeast

Appendix C: Sanborn Maps

Bear Trap Creek

I-90 MP 282.62

Syracuse, NY 13212

Inquiry Number: 4843423.3

February 02, 2017

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

02/02/17

Site Name:

Bear Trap Creek
I-90 MP 282.62
Syracuse, NY 13212
EDR Inquiry # 4843423.3

Client Name:

Environmental Design & Research, d.p.c
217 Montgomery Street
Syracuse, NY 13202
Contact: Caitlin Graff

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Environmental Design & Research, d.p.c were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # DC89-4CAB-A587

PO # 16134-7

Project 16134-7

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: DC89-4CAB-A587

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Appendix D: Historic and Recent Aerial Photographs

Bear Trap Creek
I-90 MP 282.62
Syracuse, NY 13212

Inquiry Number: 4843423.5
February 02, 2017

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

02/02/17

Site Name:

Bear Trap Creek
I-90 MP 282.62
Syracuse, NY 13212
EDR Inquiry # 4843423.5

Client Name:

Environmental Design & Research, d.p.c
217 Montgomery Street
Syracuse, NY 13202
Contact: Caitlin Graff

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

Search Results:

Year	Scale	Details	Source
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1995	1"=500'	Acquisition Date: March 27, 1995	USGS/DOQQ
1988	1"=500'	Flight Date: October 31, 1988	NYDOT
1978	1"=500'	Flight Date: September 13, 1978	USDA
1966	1"=500'	Flight Date: July 01, 1966	USDA
1959	1"=500'	Flight Date: June 15, 1959	USDA
1951	1"=500'	Flight Date: October 15, 1951	USDA
1938	1"=500'	Flight Date: September 05, 1938	USDA

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



INQUIRY #: 4843423.5

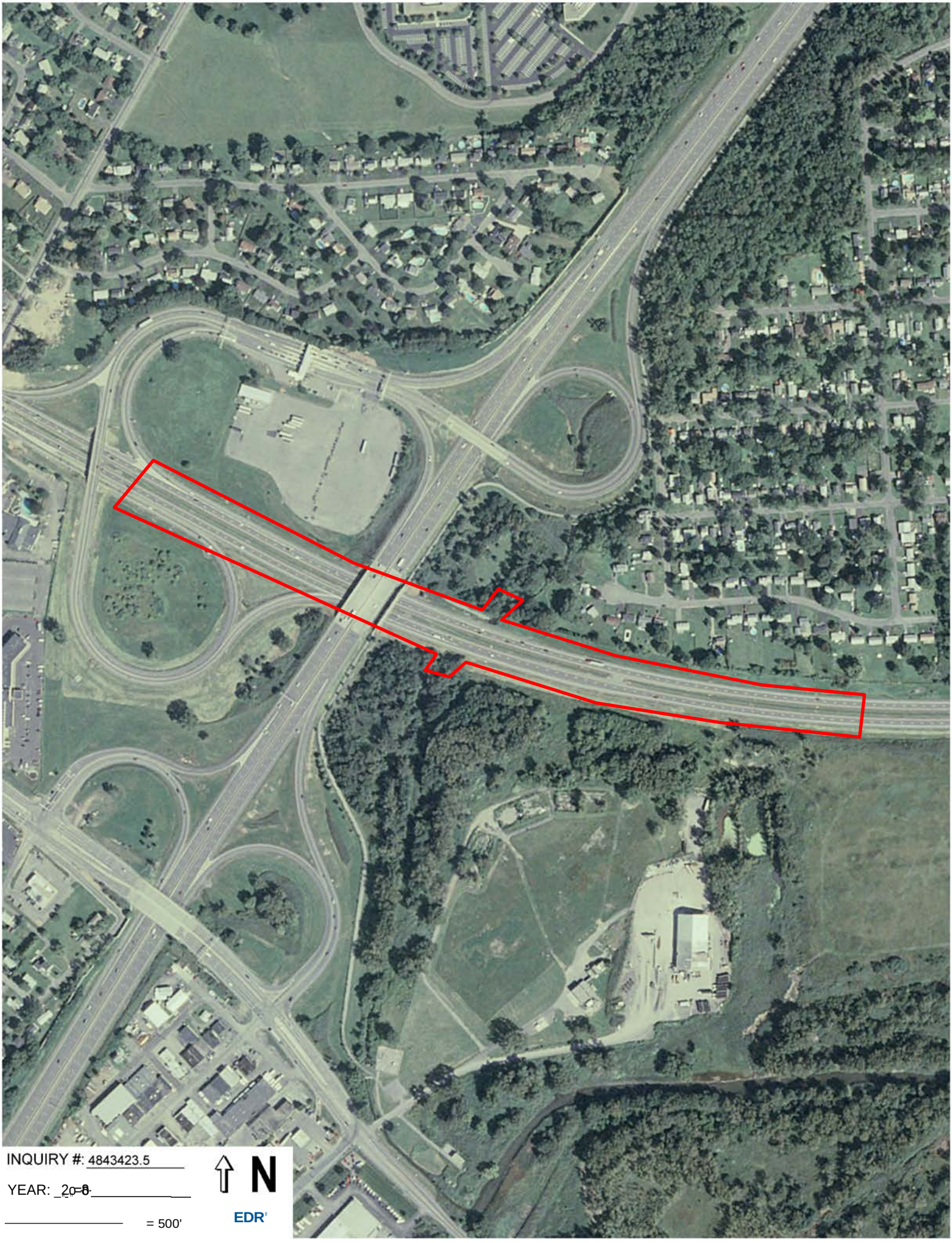
YEAR: _,2_,bl',1,

_____ = 500'

N

EDR'


INQUIRY #: 4843423.5
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 4843423.5
YEAR: 2008
= 500'
N
EDR


INQUIRY #: 4843423.5
YEAR: =2=006
= 500'
N
EDR


INQUIRY #: 4843423.5
YEAR: 1995
= 500'
N
EDR



INQUIRY #: 4843423.5

YEAR: 1=9=88

= 500'

N

EDR


INQUIRY #: 4843423.5
YEAR: 1978
= 500'
N
EDR



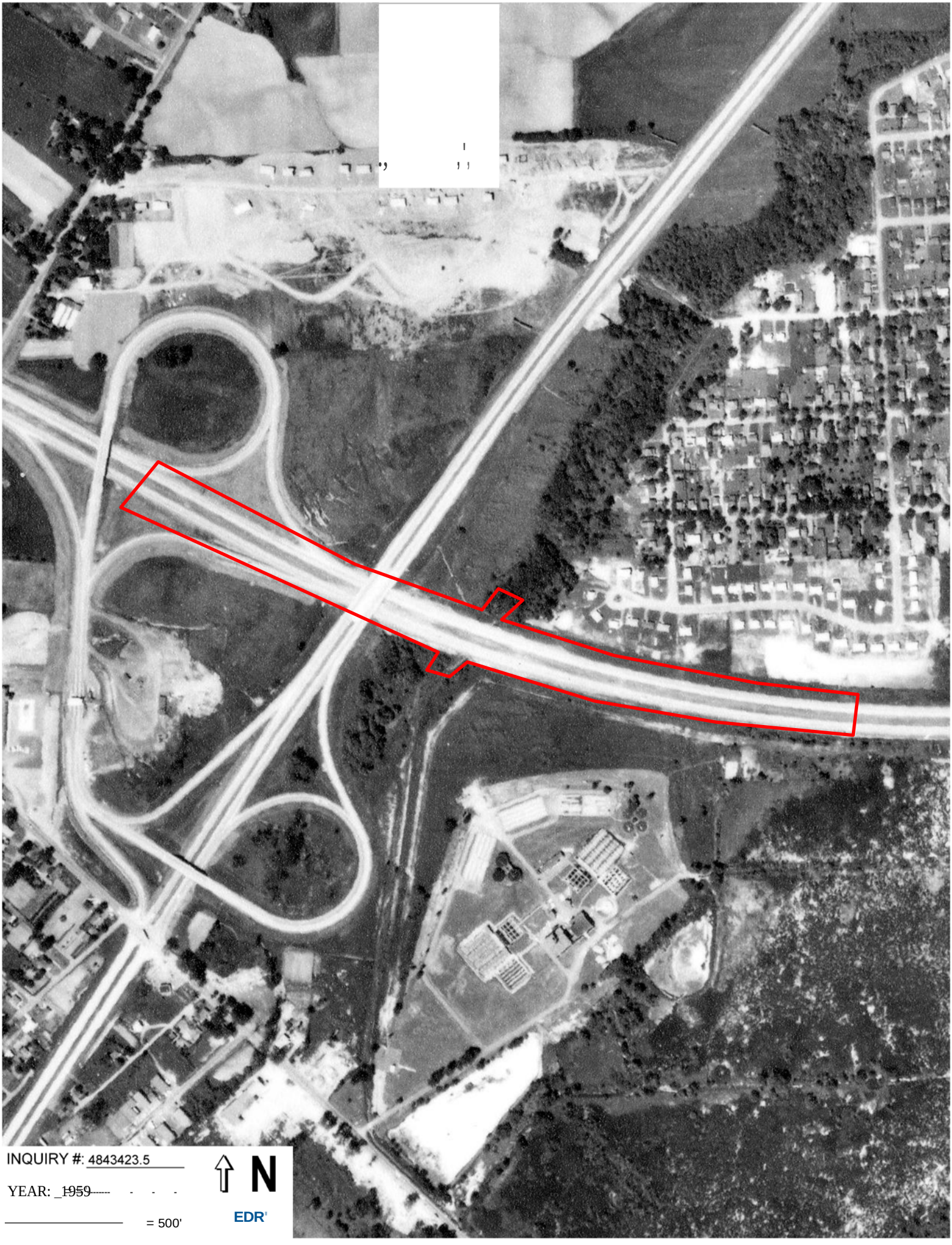
INQUIRY #: 4843423.5

YEAR: 1966

= 500'

N

EDR



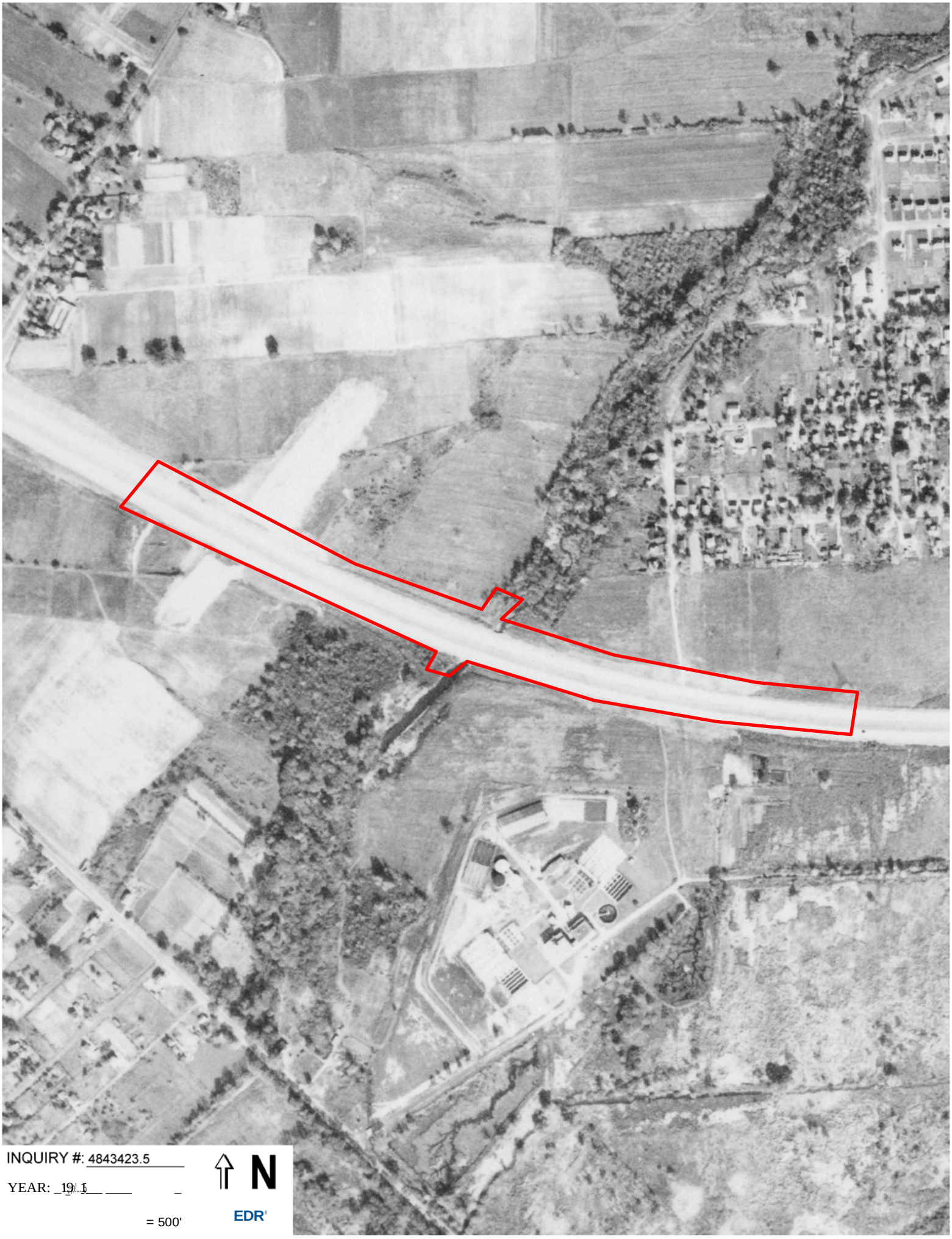
INQUIRY #: 4843423.5

YEAR: ~~1959~~

= 500'

N

EDR



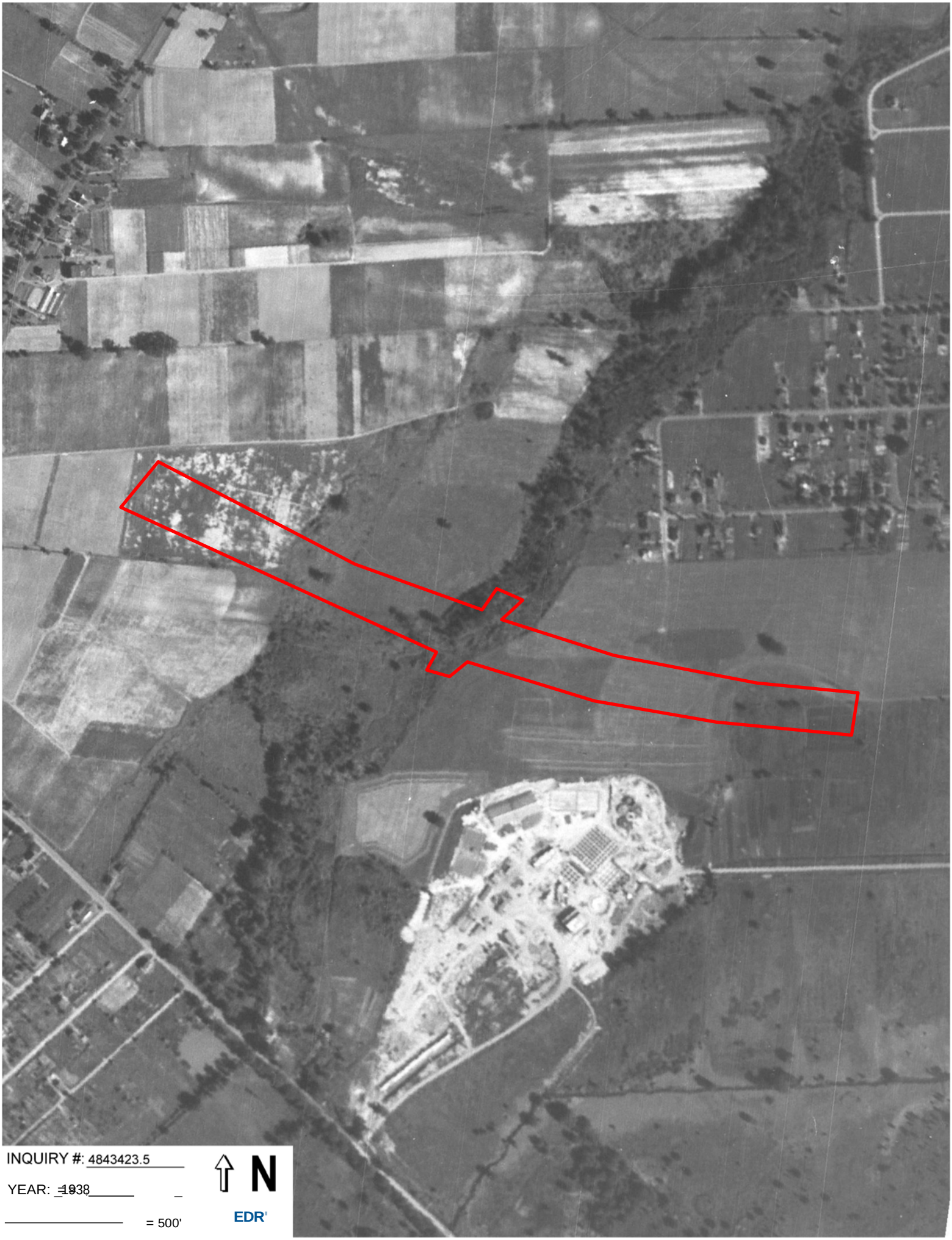
INQUIRY #: 4843423.5

YEAR: 1951

= 500'

N

EDR



INQUIRY #: 4843423.5

YEAR: 1938

= 500'

N

EDR

HAZARDOUS WASTE/CONTAMINATED MATERIALS SCREENING (FINAL)

Replacement of Syracuse Division Bridges

Milepost 262.01: North Main Street

BIN 5512790

Village of Canastota, Madison County, New York

Prepared for:

New York State Thruway Authority
200 Southern Blvd.
P.O. Box 189
Albany, NY 12201-0189

Stantec
61 Commercial Street, Suite 100
Rochester, NY 14614
www.stantec.com

Prepared by:

Environmental Design & Research,
Landscape Architecture, Engineering, & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1000
Syracuse, New York 13202
www.edrdpc.com

February 2017

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1

LIMITATIONS 1

1.0 INTRODUCTION 2

2.0 METHODOLOGY 2

2.1 Site Inspection 2

2.2 Past and Current Land Use Research 2

2.3 Records Review 3

3.0 FINDINGS 3

3.1 Site Inspection Findings 3

3.2 Past and Current Land Use Research Findings 4

3.3 Records Review Findings 5

3.4 Locations of Concern 5

4.0 CONCLUSIONS AND RECOMMENDATIONS 6

REFERENCES 7

Attachments
Appendix A: Figures
Appendix B: Site Photographs
Appendix C: Sanborn Maps – No Coverage
Appendix D: Historic and Recent Aerial Photographs

EXECUTIVE SUMMARY

A Hazardous Waste/ Contaminated Materials Screening was conducted for the North Main Street bridge over the New York State Thruway, at Mile Point (MP) 262.01, in the Village of Canastota, Madison County, New York (BIN 5512790). The screening is focused on a Study Area extending approximately 1,500 feet in both the north and south directions along North Main Street from the bridge, as well as a 500-foot corridor in both the east and west directions along the Thruway (Interstate 90). The Study Area was defined by Stantec. This screening included a review of available records and a Study Area walkover inspection, which was conducted on November 8, 2016. The purpose of this screening is to identify potential areas of environmental concern that may be disturbed during construction.

Based on the information reviewed for this screening, the following is noted:

- Markers indicating the presence of a buried petroleum pipeline and buried cables were observed adjacent to the Study Area. Prior to excavations for the proposed Project, the location of all buried utilities and pipelines should be confirmed to avoid potential impacts.

The following report discusses the complete findings of the Hazardous Waste/ Contaminated Materials Screening.

LIMITATIONS

The findings presented in this screening are based on a description of project activities provided by Stantec, observations noted on the date of the site reconnaissance, and the accuracy and timeliness of the published databases and government records. Should any of the proposed project components change, so may the findings of this screening. Additionally, while this investigation was performed in accordance with the New York State Thruway Authority (NYSTA) Scope of Services provided by Stantec, good commercial and customary practice, and generally accepted protocols, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C. (EDR) cannot guarantee that the property is free of hazardous substances or other materials or conditions. The presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or groundwater samples, which was beyond the scope of this investigation.

This screening was prepared for the exclusive use of Stantec and the NYSTA, and should not be reproduced or disseminated without the written approval of EDR. Use of this report in whole or in part by parties other than Stantec and the NYSTA is prohibited.

1.0 INTRODUCTION

EDR, as sub-consultant to Stantec has been retained to perform a Hazardous Waste/ Contaminated Materials Screening for the North Main Street bridge over the New York State Thruway, at MP 262.01, in the Village of Canastota, Madison County, New York. The screening is focused on a Study Area, defined by Stantec, which extends approximately 1,500 feet in both the north and south directions along North Main Street from the bridge, as well as a 500-foot corridor in both the east and west directions along the Thruway.

The NYSDOT *Environmental Manual (TEM)* Chapter 4.4.20 was utilized for guidance during this assessment. The project location is indicated on the Regional Project Location Map (Figure 1), and the Study Area is identified on the Site Location Map (Figure 2).

As described in the NYSTA Scope of Services provided by Stantec, this preliminary screening is a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials.

2.0 METHODOLOGY

This assessment included a walkover reconnaissance of the Study Area, a review of existing information about past and current land use, and a review of published databases and government records, including Inactive Hazardous Waste Site Registry, Chemical and Petroleum Bulk Storage records, waste incident/chemical releases reports, and other federal, state, county, and local sources of information (see References). In February, 2017, Environmental Data Resource, Inc. was contracted by EDR to provide a listing of published databases of hazardous waste sites in the vicinity of the Study Area. These databases provide a listing of sites of potential concern as identified by a review of Federal, State and local databases. This database review was supplemented with a review of published databases available through the New York State Department of Environmental Conservation (NYSDEC) web site. The environmental database report is available upon request.

2.1 Site Inspection

A walkover site reconnaissance of the Study Area was conducted on November 8, 2016. The walkover was performed in an attempt to identify visual evidence of contamination such as: discolored or stained soil, stressed or dead vegetation, spills, leaks, leachate or discolored water, air emissions or odors, evidence of previous fires, and evidence of oil sheens on water. In addition, the walkover included a visual survey that attempted to identify whether the following are present within the Study Area: underground or aboveground tanks, vent/fill pipes, well casings or riser pipes from monitoring wells, refueling or pump islands, drums or chemical containers, discarded transformers or transformer pads, surface impoundments or lagoons, landfills or dumps, dumpsters or bulk solid waste, railroad tracks or railyards, sumps, drywells, or septic systems.

2.2 Past and Current Land Use Research

Historical mapping and aerial photography are utilized as part of the Hazardous Waste/ Contaminated Materials screening as they serve as an historical reference to prior land use. Historical mapping and aerial photography was reviewed to identify locations where past use(s) could be considered an environmental concern. Examples of how a past land usage

could lead to an environmental concern is the presence of contaminated soils from a former filling station, automotive repair shop, large manufacturing plant, chemical plant, drycleaner, etc. Based on the location of such sites with respect to the Study Area and the specific past land use, the need for further investigation may be eliminated or warranted.

The following resources were researched to establish the past and current land use within the Study Area:

Sanborn Map Review – – According to the Environmental Data Resource, Inc., the Study Area is unmapped on Sanborn maps. The Data Resource report states: *This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found* (see Appendix C).

Aerial Photographs - Aerial photographs taken in 1941, 1952, 1956, 1974, 1985, 1989, 1994, 2006, 2008, 2009, and 2011 supplied by Environmental Data Resource, Inc. were reviewed. These aerial photographs are included in Appendix D. Supplemental aerial photography from Google Earth for the years, 1994, 2006, 2008, 2009, 2011, and 2015, was also reviewed.

2.3 Records Review

A review of Federal, State and local Environmental databases was conducted. Environmental Data Resource, Inc. was contracted by EDR to provide a comprehensive review of Federal, State and local listed data on potential hazardous waste sites in the vicinity of the Study Area. The environmental database report is available upon request. This data search was performed in accordance with ASTM E-1527-05 standards for minimum search distance. The use of the database report allows for a comprehensive listing of sites of potential concern.

United States Environmental Protection Agency (USEPA) and NYSDEC online databases were reviewed and cross-referenced as part of the review process to supplement the environmental database review referenced above.

3.0 FINDINGS

The project is located in the Town of Canastota, Madison County, New York (Figure 2). The project includes the replacement of the existing North Main Street bridge (BIN 5512790) over the New York State Thruway at MP 262.01. According to Stantec, the purpose of the project is to improve traffic operations and safety of this bridge.

3.1 Site Inspection Findings

The Study Area was observed to be primarily occupied by a portion of North Main Street, including the bridge where it crosses over the New York State Thruway (I-90) in Canastota, New York. The north-south oriented portion of the Study Area is occupied by North Main Street, and the east-west oriented portion of the Study Area is occupied by the Thruway. The North Main Street intersection with Joe Stagnit Lane is located in the southern portion of the Study Area. No buildings are located within the Study Area, and no evidence of underground or aboveground tanks, chemical storage/drums, or other evidence of hazardous material releases were observed in the Study Area during the site walkover.

The topography of the area is generally flat, with an overall slope down to the northwest. Canastota Creek is located west

of the Study Area, and crosses North Main Street in the southern portion of the Study Area. A concrete culvert allows Canastota Creek to flow under North Main Street to the northwest to its confluence with Cowaselon Creek. Groundwater at the Study Area is expected to generally flow to the northwest toward Canastota Creek.

The Study Area is occupied by public roadways, the New York State Thruway, and adjacent roadway vegetation. Overhead utility power lines are present along the eastern side of North Main Street, and cross North Main Street in the northern portion of the Study Area. Limited solid waste debris was observed along the side of the Thruway and North Main Street within the Study Area; however, evidence of a release of oil and/or hazardous materials (OHM) was not noted at the time of the site reconnaissance.

Note that a marker indicating the presence of a buried petroleum pipeline were observed along the Thruway, adjacent to the Study Area. Markers indicating the presence of buried cables were also noted along North Main Street.

Properties in the immediate vicinity of the Study Area include:

- The area to the northeast of the Study Area is undeveloped land which contains several overhead power lines. Overhead power lines are also parallel to the east side of North Main Street within much of the Study Area.
- To the northwest of the Study Area is undeveloped land, beyond which is Canastota Creek. Approximately 450 feet north of the northern terminus of the Study Area is the Albert Deppoliti Wastewater Treatment Plant (WWTP).
- To the southeast of the North Main Street Bridge, a lattice telecommunications tower is present. The remainder of the area to the southeast of the Study Area is predominantly undeveloped.
- The area southwest of the Study Area is developed with a public recreation facility that includes baseball fields, basketball courts, and a tennis court located off Joe Stagnit Lane. The Raider: Grill & Griddle is located on the west side of North Main Street adjacent to the Study Area.
- Residences are located adjacent to the Study Area at its southern terminus along North Main Street.

Photographs obtained during the walkover site inspection of the Study Area are included in Appendix B.

3.2 Past and Current Land Use Research Findings

Aerial photographs taken in 1941, 1952, 1956, 1974, 1985, 1989, 1994, 2006, 2008, 2009, and 2011 supplied by Environmental Data Resource, Inc. were reviewed.

The historic and recent aerial photographs for the Study Area (Appendix D) identified the following:

- In the 1941 and 1952 aerials, the Study Area and surrounding properties were primarily occupied by cultivated farmland. North Main Street was present during his time, but the Thruway had not yet been constructed.
- By 1956, the Thruway had been constructed within the Study Area. One baseball field was present to the southwest of the Study Area, and some residences were present at the southern terminus of the Study Area.
- The 1974 aerial showed additional development southwest of the Study Area, with the remainder of the vicinity largely occupied by agricultural fields. In 1974, the WWTP had been constructed to the north of the Study Area.
- The 1985 through 1994 aerial photographs show increasing development southwest of the Study Area, while the remaining areas surrounding the Study Area were generally a mix of undeveloped land and agricultural

fields.

- The 2006 aerial was consistent with previous years; however, the telecommunications tower had been developed to the southeast of the Study Area.
- Between 2008 through 2011, the aerial photographs of the Study Area show conditions similar to present.

Additional discussion of the findings of the historical mapping and aerial photography review is included in the discussion of the properties and/or locations of concern in Section 3.3 of this report, if warranted.

3.3 Records Review Findings

Table 1 summarizes the information available through the Environmental Data Resource, Inc. database search and supplemented through a review on line databases, an understanding of the Study Area, and a site reconnaissance.

Table 1: Environmental Records Review

Standard Environmental Record Sources	Minimum Search Distance – ASTM Standard: miles (kilometers)	No. of Listed Properties[1]
Federal NPL Site List	1.0 (1.6)	0
Federal Delisted NPL Site List	0.5 (0.8)	0
Federal CERCLIS List (SEMS)	0.5 (0.8)	0
Federal CERCLIS NFRAP Site List (SEMS Archive)	0.5 (0.8)	0
Federal RCRA CORRACTS Facilities List	1.0 (1.6)	0
Federal RCRA non-CORRACTS TSD Facilities List (RCRA-TSDF)	0.5 (0.8)	0
Federal RCRA Generators List	Property and adjoining properties only	0
Federal Institutional Control/ Engineering Control Registries	Property only	0
Federal ERNS List	Property only	0
State equivalent NPL	1.0 (1.6)	0
State equivalent CERCLIS (Inactive Hazardous Waste Disposal Sites – SHWS)	0.5 (0.8)	0
State Landfill and/or Solid Waste Disposal Site Lists (Solid Waste Facility/Landfill – SWF/LF)	0.5 (0.8)	0
State Leaking Storage Tank Lists (LTANKS)	0.5 (0.8)	11
State Registered Storage Tank Lists (UST/AST)	0.25 (0.4)	3
State Institutional Control/Engineering Control Registries	Property only	0
State Voluntary Cleanup Sites	0.5 (0.8)	0
State Brownfield Sites	0.5 (0.8)	0
Additional Environmental Record Sources:		
Federal FINDS	Property only	0
Local List of Registered Storage Tanks (NY HIST UST/AST)	0.25 (0.4)	0
State Leaking Storage Tank Lists (HIST LTANKS)	0.5 (0.8)	0
NY Spills	0.125 (0.2)	10
Federal RCRA – NonGen	0.25 (0.4)	0
State Manifest Records	0.25 (0.4)	0

[1]Sites may be listed in more than one database.

3.4 Locations of Concern

Based on the site inspection and records review, sites identified as potentially posing a negative impact on the proposed project are described below:

Village of Canastota WWTP, 715 North Main Street

The WWTP located approximately 450 feet north of the Study Area is listed as a Chemical Bulk Storage (CBS) site. As stated in the database report, these facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. No details regarding the size or content of on-site tanks at this WWTP were available in the database report or on the online NYSDEC Petroleum Bulk Storage database. No spills or releases are reported for this facility, and this facility is located topographically down gradient from the Study Area.

North Main Street

A NYSDEC spill was reported in 1997 for a location on North Main Street that the database maps within the Study Area. The spill involved a release of kerosene to the soil. The database indicates that the impacted soil was excavated, and soil samples were taken to confirm that contamination did not remain. This spill was closed by the NYSDEC in 1997.

Lehr Residence, North Main Street

In 1994, a leaking tank was reported at the Lehr residence, which the database mapped adjacent to the Study Area on North Main Street. The release involved a 275-gallon fuel tank with a small leak in the bottom. The database reported that the property owners would clean up the leak, and no further offsite receptors were likely to be affected. The database reported that cleanup activities ceased in 1995.

Chittenango Service Area, Thruway MP 266.3

A total of thirteen releases (nine NYSDEC Spills and four Leaking Tanks) were noted on the database at the Chittenango Service Area, on the westbound side of the Thruway, at MP 266.3. The database mapped all of these spills in the center of the Study Area. However, the Chittenango Service Area at MP 266.3 is located over four miles west of the Study Area.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the information reviewed and the site inspection the following items of environmental concern were identified:

- Markers indicating the presence of a buried petroleum pipeline and buried cables were observed adjacent to the Study Area. Prior to excavations for the proposed Project, the location of all buried utilities and pipelines should be confirmed to avoid potential impacts.

Note that this preliminary screening is intended to be a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials. The findings presented in this screening are based on the proposed project activities, observations noted at the time of the site walkover, and the accuracy and timeliness of the published databases and government records. Should any of the proposed project components change, so may the findings of this report. As noted in the Limitations section above, EDR cannot guarantee that the property is free of hazardous substances or other materials or conditions. The presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or groundwater samples, which was beyond the scope of this investigation.

REFERENCES

Environmental Data Resources, Inc. 2017. *The EDR Radius Map Report with GeoCheck.* February 2, 2017.

Environmental Data Resources, Inc. 2017. *Certified Sanborn Map Report.* February 2, 2017 (Appendix C).

Environmental Data Resources, Inc. 2017. *The EDR Aerial Photo Decade Package*. February 2, 2017 (Appendix D).

New York State Department of Environmental Conservation. 2017. *Spills Incident Database Search*. Available at: https://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=2

New York State Department of Environmental Conservation. 2017. *Bulk Storage Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=4

New York State Department of Environmental Conservation. 2017. *Environmental Site Remediation Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3

Environmental Protection Agency. 2016. *National Priorities List (NPL) Sites – by State*. Available at: https://www.epa.gov/superfund/national-priorities-list-npl-sites-state

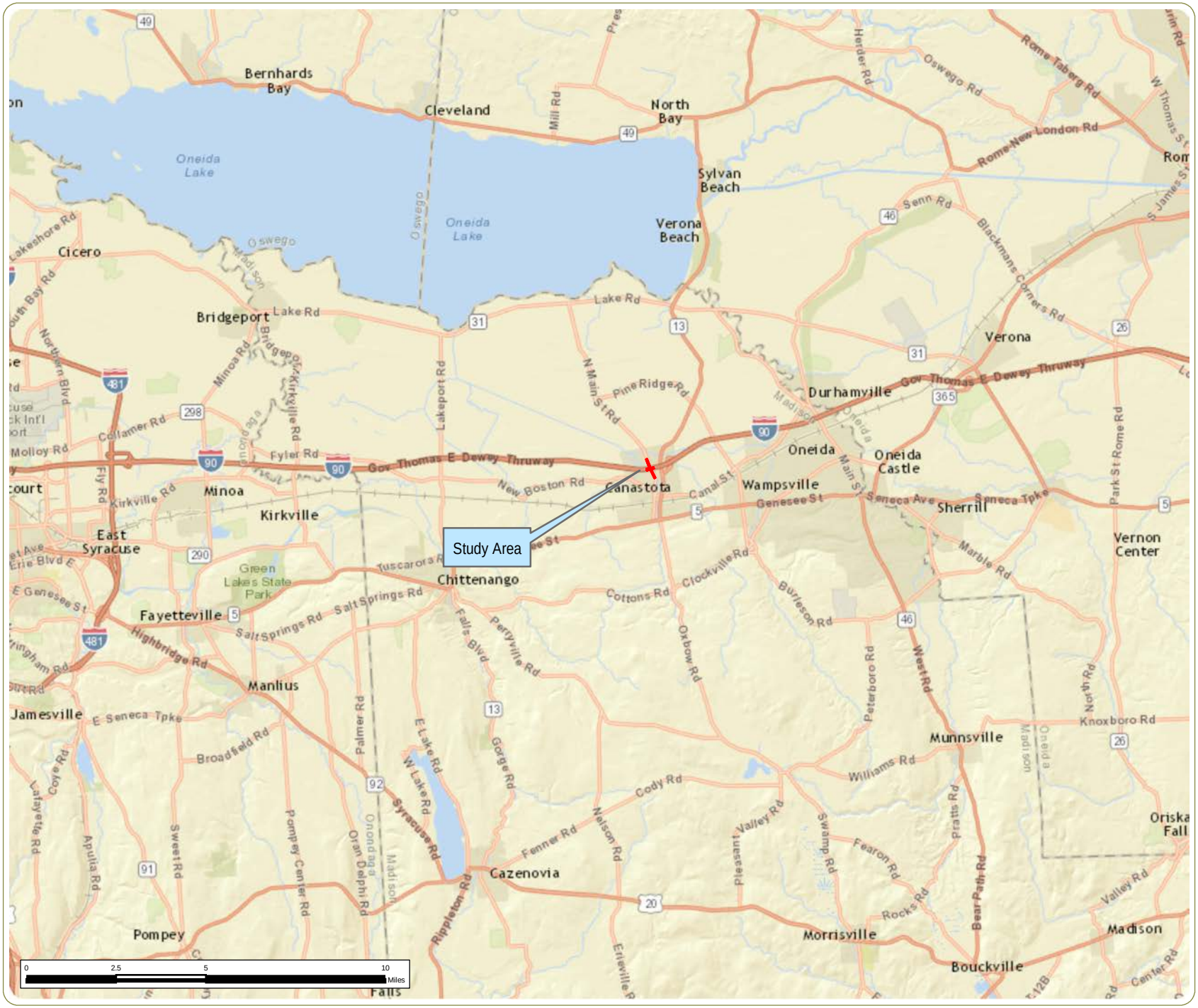
Appendix A: Figures

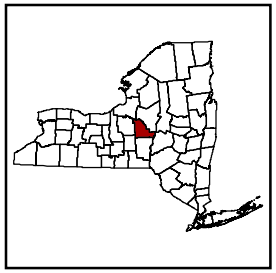
Replacement of Syracuse Division Bridges

Town of Canastota,
Madison County, New York

Figure 1. Regional Project Location - North Main Street, Canastota, NY, MP 262.01 (BIN 5512790)

February 2017





Study Area

Notes:
1. Basemap: ESRI ArcGIS Online "World Street Map" Map Service.
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

www. edrdpc. com



Replacement of Syracuse Division Bridges

Town of Canastota, Madison County, New York

Figure 2. Study Area -
North Main Street, Canastota, NY, MP 262.01 (BIN 5512790)

February 2017

Study Area

Notes: 1. Basemap: ESRI ArcGIS Online "World Imagery" Map Service
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

www.edrdpc.com

Appendix B: Site Photographs



Photo 1

View of North Main Street Bridge over the Thruway



Photo 2

View of overhead utility lines within Study Area



Photo 3

View along Thruway within Study Area



Photo 4

View of underground petroleum pipeline marker



Photo 5

View of Canastota Creek from the Study Area, facing west



Photo 6

View of wastewater treatment plant to the north of the Study Area

Appendix C: Sanborn Maps – No Coverage

Main Street/I-90

Main Street/I-90

Canastota, NY 13032

Inquiry Number: 4843378.3

February 02, 2017

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

02/02/17

Site Name:

Main Street/I-90
Main Street/I-90
Canastota, NY 13032
EDR Inquiry # 4843378.3

Client Name:

Environmental Design & Research, d.p.c
217 Montgomery Street
Syracuse, NY 13202
Contact: Caitlin Graff

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Environmental Design & Research, d.p.c were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 3E37-4CFF-9948

PO # 16134-5

Project 16134-5

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 3E37-4CFF-9948

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Appendix D: Historic and Recent Aerial Photographs

Main Street/I-90

Main Street/I-90

Canastota, NY 13032

Inquiry Number: 4843378.5

February 02, 2017

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

02/02/17

Site Name:

Main Street/I-90
Main Street/I-90
Canastota, NY 13032
EDR Inquiry # 4843378.5

Client Name:

Environmental Design & Research, d.p.c
217 Montgomery Street
Syracuse, NY 13202
Contact: Caitlin Graff

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

Search Results:

Year	Scale	Details	Source
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1994	1"=500'	Acquisition Date: May 03, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: April 26, 1989	USGS
1985	1"=500'	Flight Date: April 29, 1985	USGS
1974	1"=500'	Flight Date: April 17, 1974	USGS
1956	1"=500'	Flight Date: October 11, 1956	USGS
1952	1"=500'	Flight Date: March 27, 1952	USGS
1941	1"=500'	Flight Date: May 06, 1941	USGS

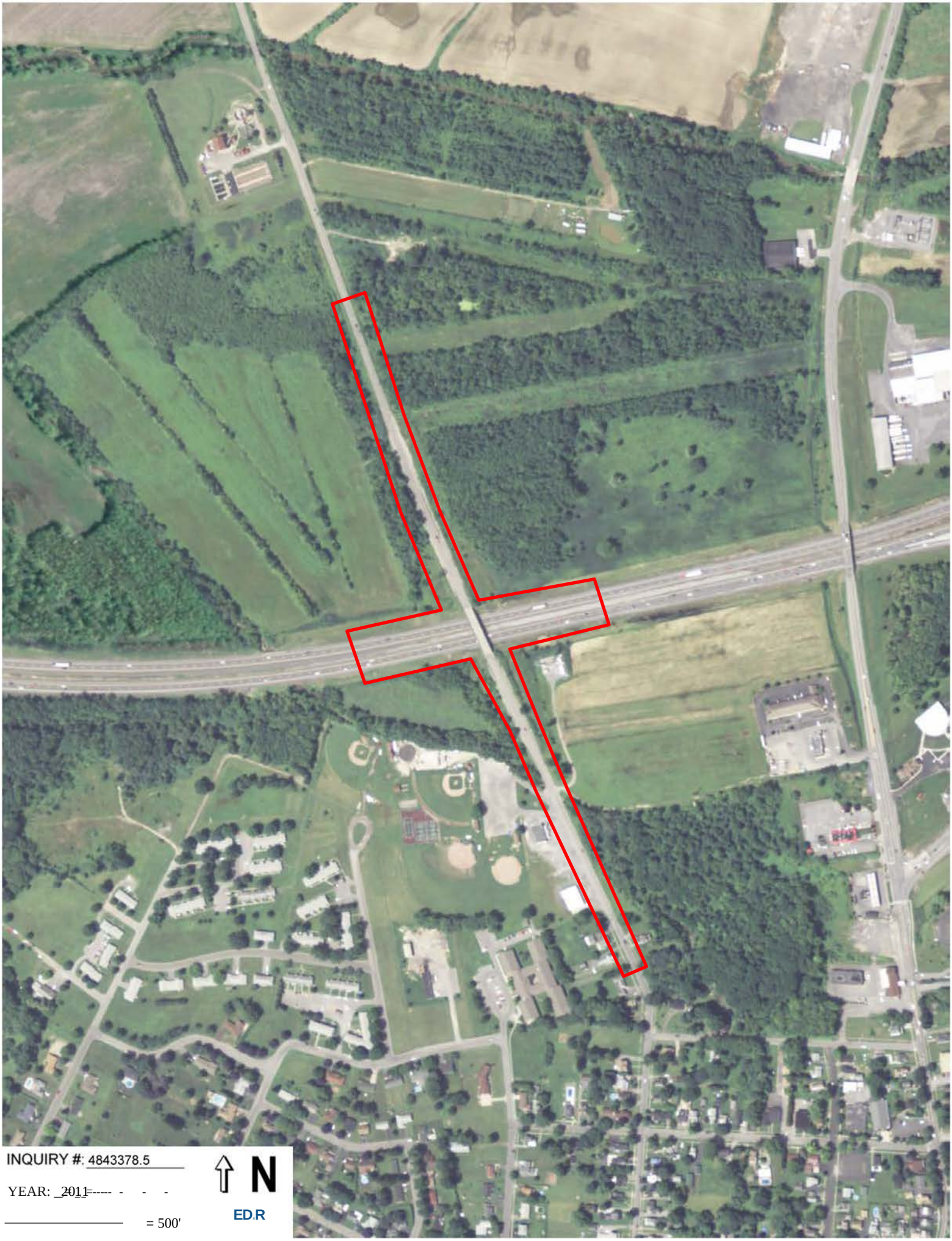
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

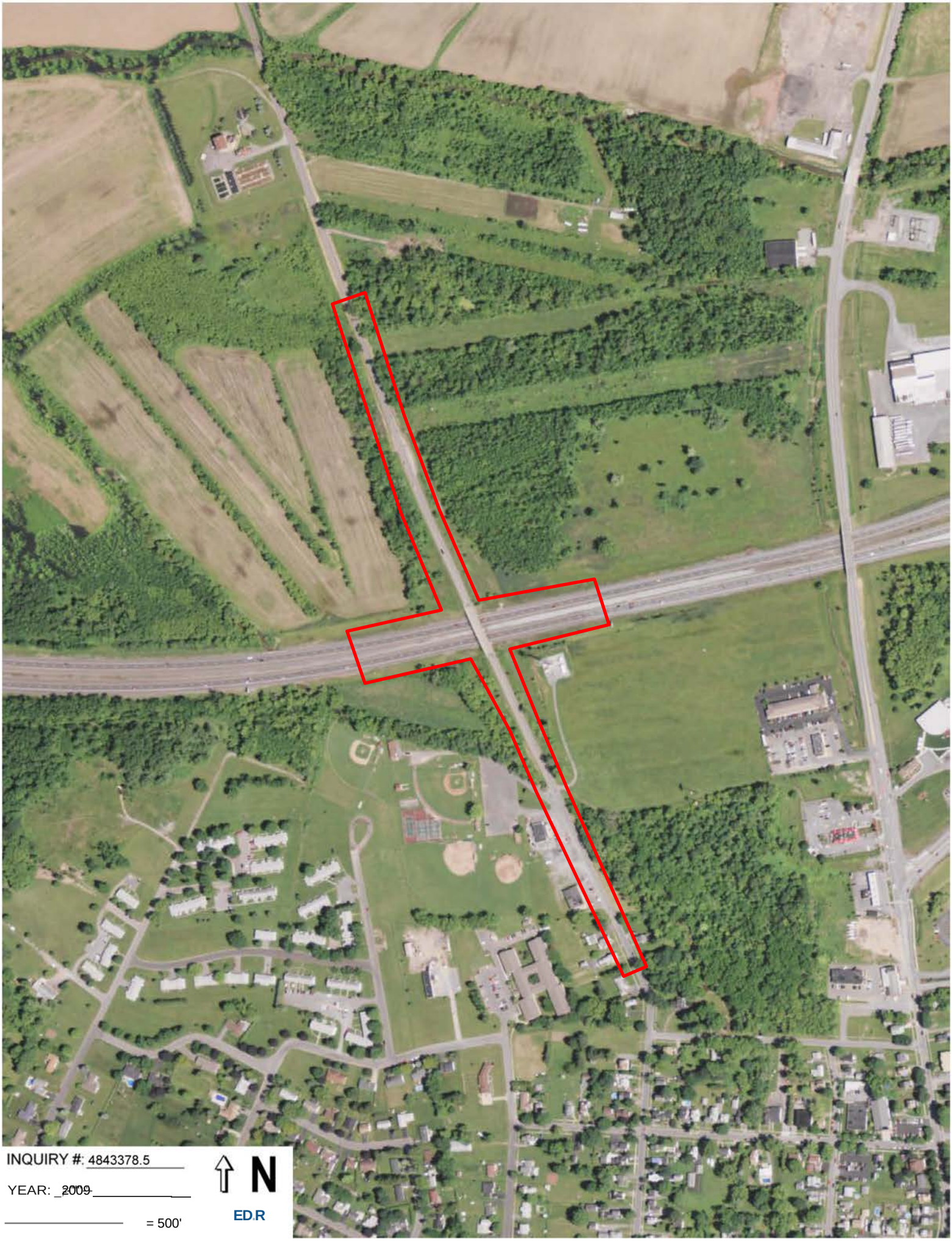
Disclaimer - Copyright and Trademark Notice

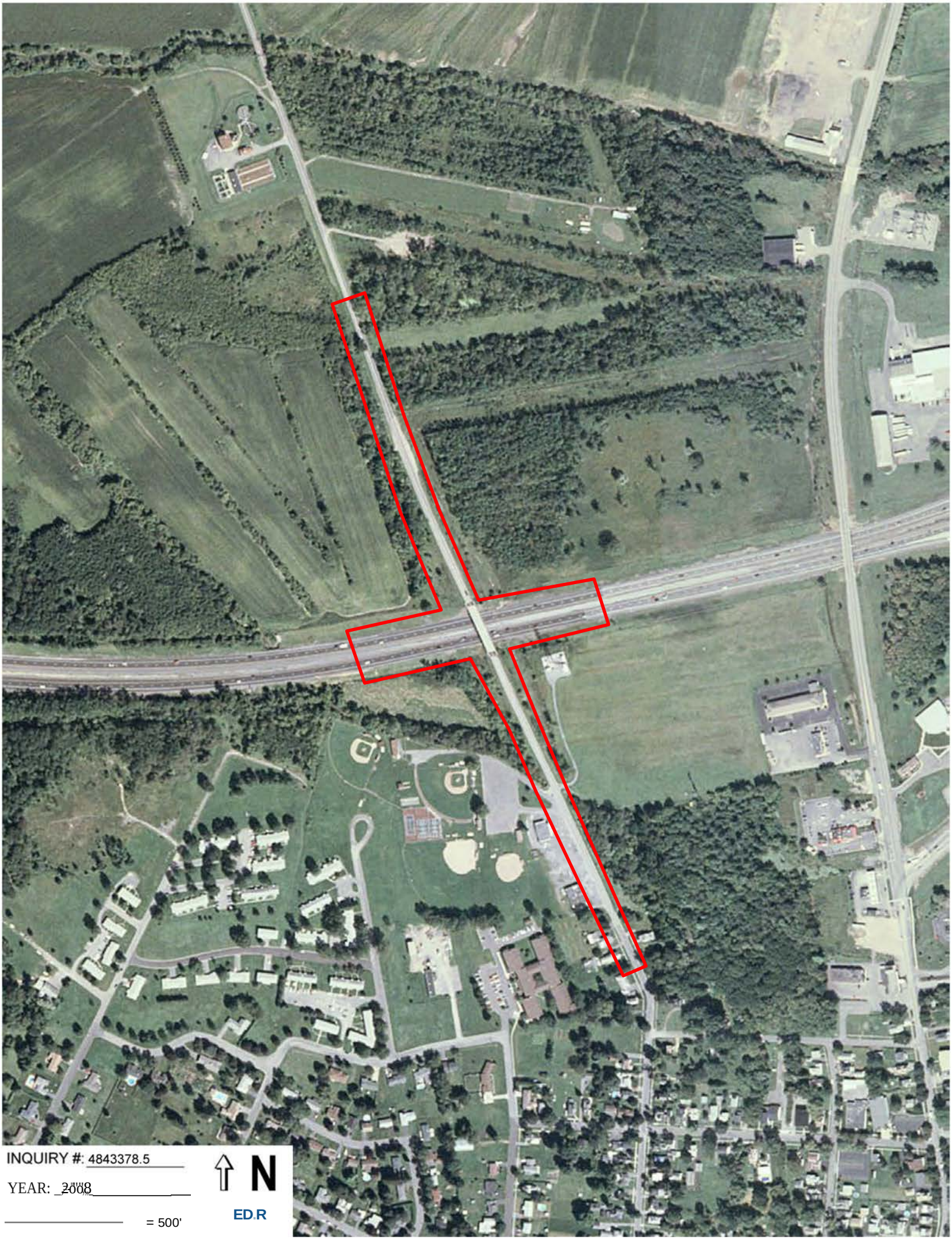
This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

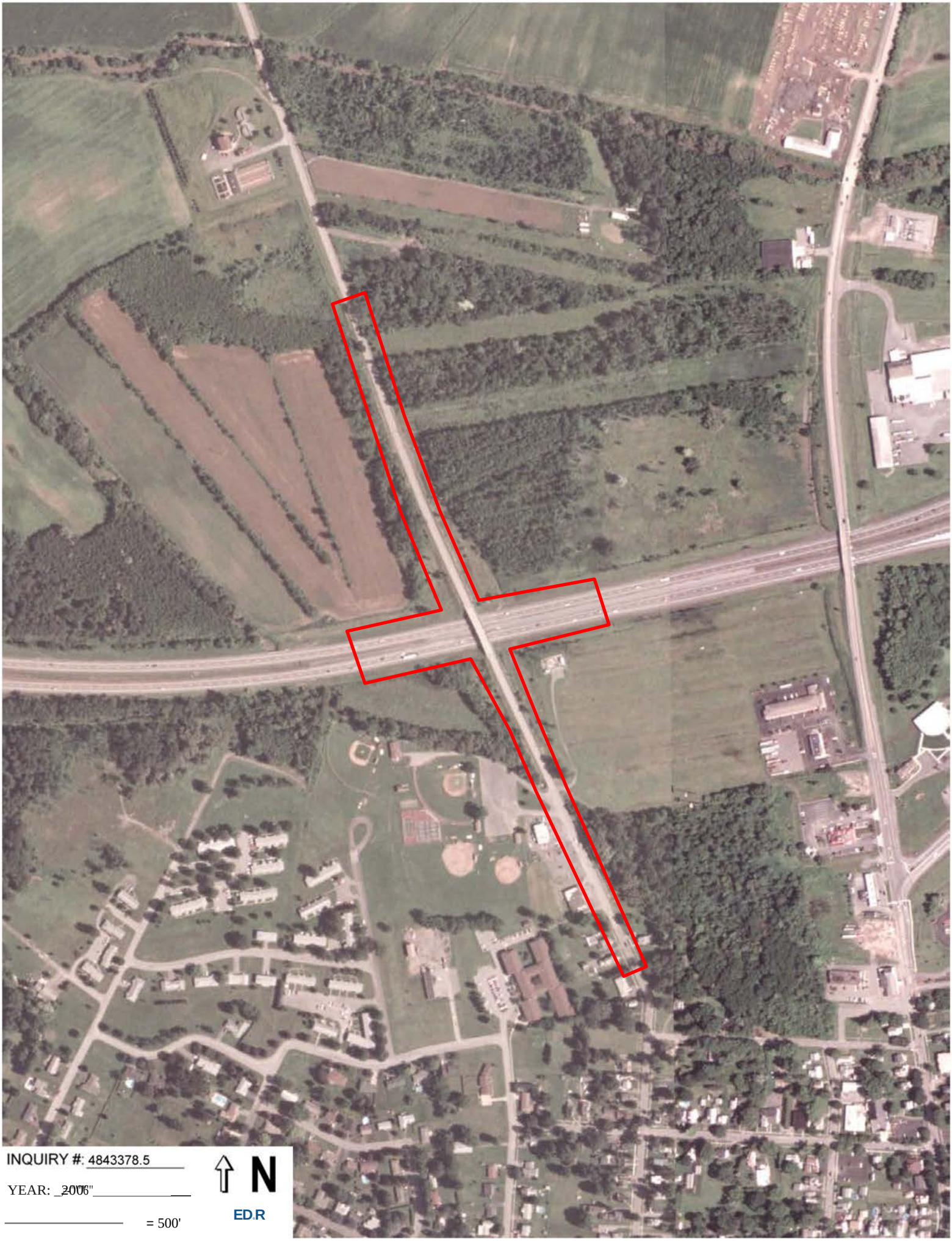
Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.


INQUIRY #: 4843378.5
YEAR: 2011
= 500'
N
ED.R


INQUIRY #: 4843378.5
YEAR: 2009
= 500'
N
ED.R


INQUIRY #: 4843378.5
YEAR: 2008
= 500'
N
EDR


INQUIRY #: 4843378.5
YEAR: 2006
= 500'
N
ED.R


INQUIRY #: 4843378.5
YEAR: 1994
= 500'
N
EDR



INQUIRY #: 4843378.5

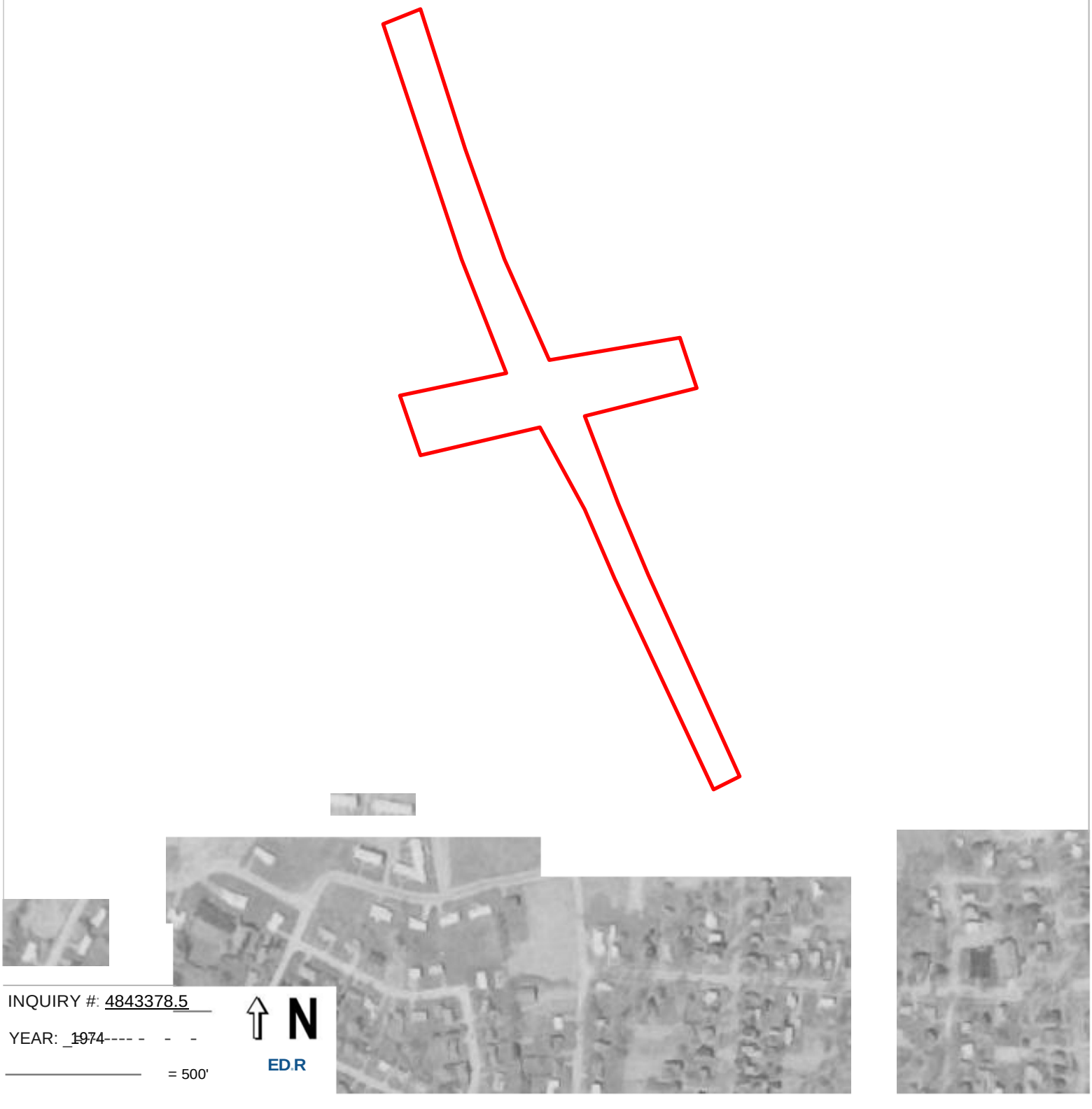
YEAR: 1978

= 500'

N

EDR


INQUIRY #: 4843378.5
YEAR: 1985
= 500'
N
EDR



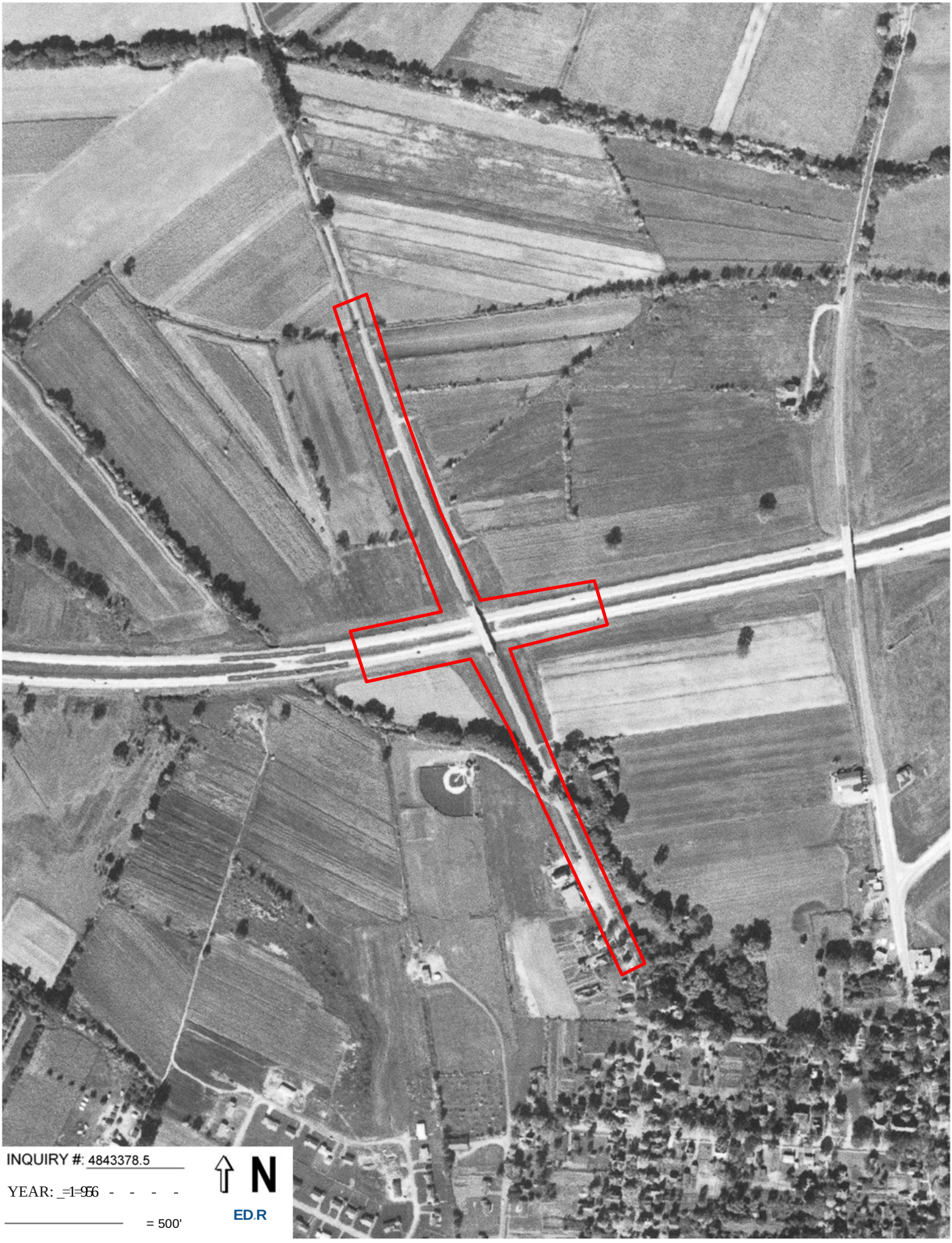
INQUIRY #: 4843378.5

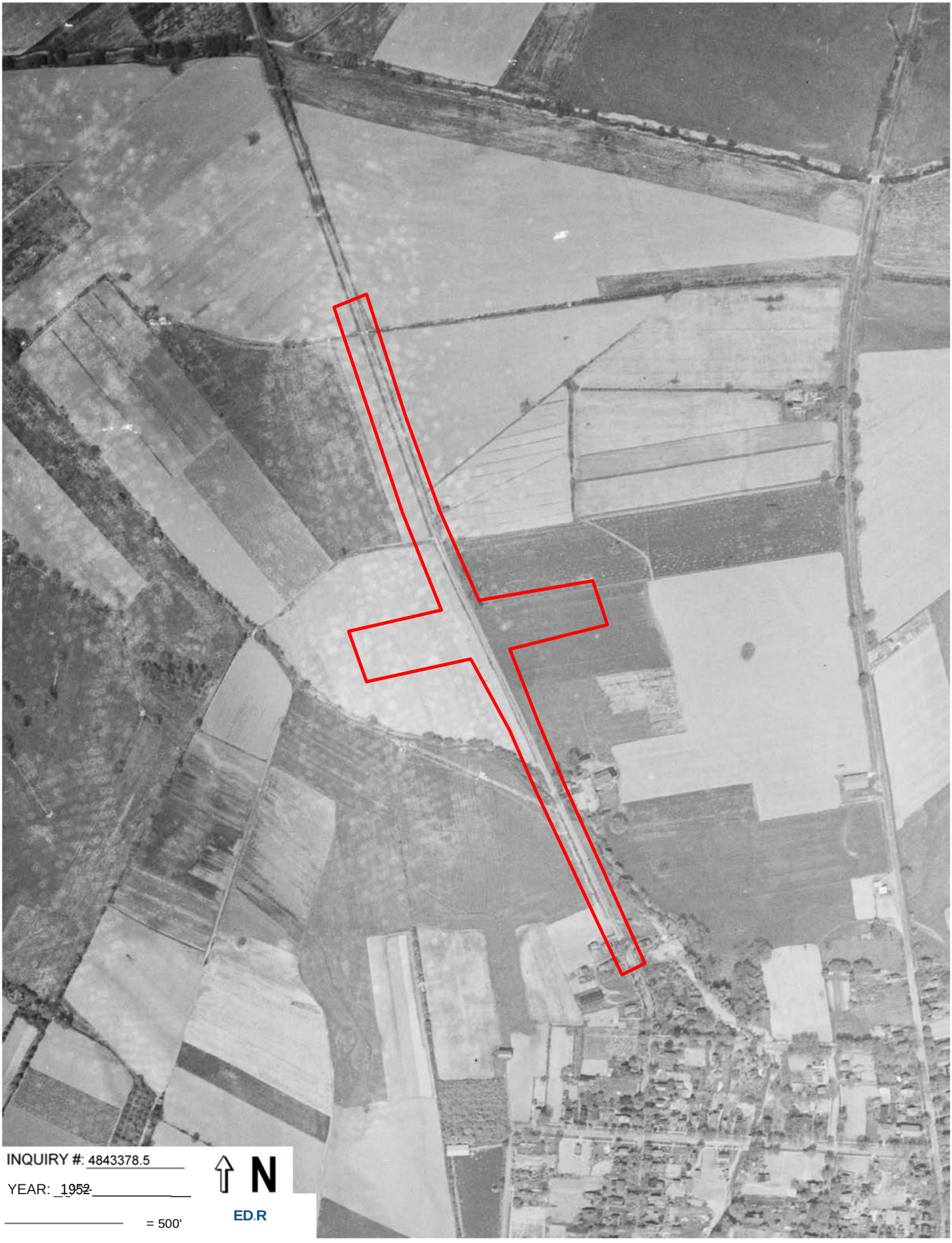
YEAR: 1974

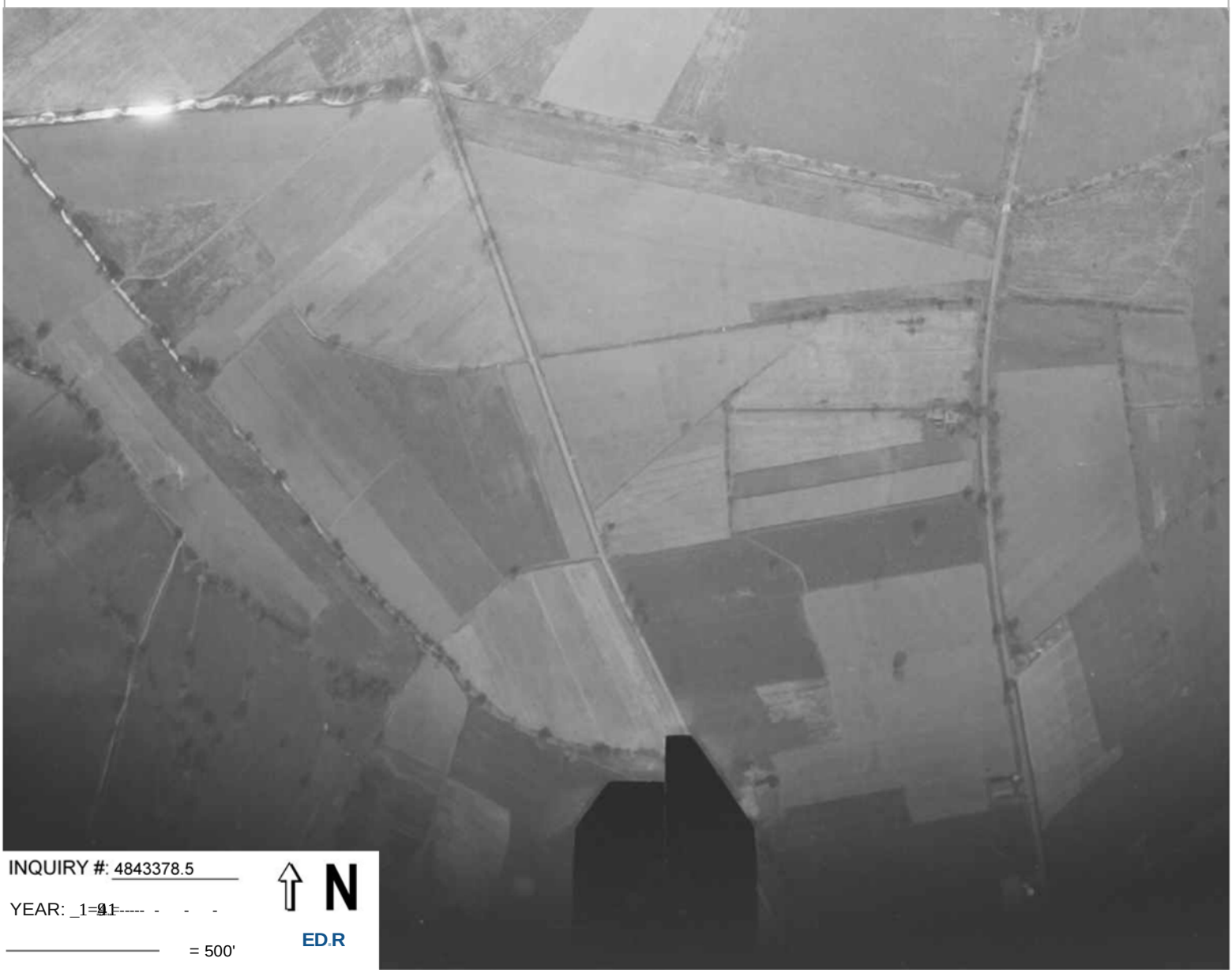
= 500'

N

EDR


INQUIRY #: 4843378.5
YEAR: 1956
= 500'
N
EDR


INQUIRY #: 4843378.5
YEAR: 1952
= 500'
N
EDR



INQUIRY #: 4843378.5

YEAR: _1=41

= 500'

N

ED.R

The HAZARDOUS WASTE/CONTAMINATED MATERIALS SCREENING (FINAL)

Replacement of Syracuse Division Bridges

Milepost 240.48: Judd Road

BIN 5512980

Town of Whitestown, Oneida County, New York

Prepared for:



New York State Thruway Authority
200 Southern Blvd.
P.O. Box 189
Albany, NY 12201-0189



Stantec
61 Commercial Street, Suite 100
Rochester, NY 14614
www.stantec.com

Prepared by:



Environmental Design & Research,
Landscape Architecture, Engineering, & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1000
Syracuse, New York 13202
www.edrdpc.com

February 2017

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1

LIMITATIONS 1

1.0 INTRODUCTION 2

2.0 METHODOLOGY 2

2.1 Site Inspection 2

2.2 Past and Current Land Use Research 2

2.3 Records Review 3

3.0 FINDINGS 3

3.1 Site Inspection Findings 3

3.2 Past and Current Land Use Research Findings 4

3.3 Records Review Findings 5

3.4 Locations of Concern 5

4.0 CONCLUSIONS AND RECOMMENDATIONS 6

REFERENCES 7

Attachments
Appendix A: Figures
Appendix B: Site Photographs
Appendix C: Sanborn Maps – No Coverage
Appendix D: Historic and Recent Aerial Photographs

EXECUTIVE SUMMARY

A Hazardous Waste/ Contaminated Materials Screening was conducted for the Judd Road bridge over the New York State Thruway, at Mile Point (MP) 240.48, in the Town of Whitestown, Oneida County, New York (BIN 5512980). The screening is focused on a Study Area extending approximately 1,500 feet in both the north and south directions along Judd Road from the bridge, as well as a 500-foot corridor in both the east and west directions along the Thruway (Interstate 90). The Study Area was defined by Stantec. This screening included a review of available records and a Study Area walkover inspection, which was conducted on November 10, 2016. The purpose of this screening is to identify potential areas of environmental concern that may be disturbed during construction.

Based on the information reviewed for this screening, the following is noted:

- Markers indicating the presence of a buried petroleum pipeline were observed along the Thruway, adjacent to the Study Area. Markers indicating the presence of buried fiber optic cables were also noted along Judd Road. Prior to excavations for the proposed Project, the location of all buried utilities and pipelines should be confirmed to avoid potential impacts.

- The Whitestown Highway Garage at 5605 Westmoreland Road, located southwest of the Study Area is listed as having had two former Underground Storage Tanks (USTs), and two active Aboveground Storage Tanks (ASTs). In 1993, a failed tightness test for one of the USTs resulted in this property being listed as a leaking UST site. As stated in the database report, corrective actions have been taken to address this release, and the release has been closed. Based on separating distance, topographic gradient, and the removal of USTs from this parcel, significant impacts to soil and/or groundwater within the Study Area is not anticipated.

The following report discusses the complete findings of the Hazardous Waste/ Contaminated Materials Screening.

LIMITATIONS

The findings presented in this screening are based on a description of project activities provided by Stantec, observations noted on the date of the site reconnaissance, and the accuracy and timeliness of the published databases and government records. Should any of the proposed project components change, so may the findings of this screening. Additionally, while this investigation was performed in accordance with the New York State Thruway Authority (NYSTA) Scope of Services provided by Stantec, good commercial and customary practice, and generally accepted protocols, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C. (EDR) cannot guarantee that the property is free of hazardous substances or other materials or conditions. The presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or groundwater samples, which was beyond the scope of this investigation.

This screening was prepared for the exclusive use of Stantec and the NYSTA, and should not be reproduced or disseminated without the written approval of EDR. Use of this report in whole or in part by parties other than Stantec and the NYSTA is prohibited.

1.0 INTRODUCTION

EDR, as sub-consultant to Stantec has been retained to perform a Hazardous Waste/ Contaminated Materials Screening for the Judd Road bridge over the New York State Thruway, at MP 240.48, in the Town of Whitestown, Oneida County, New York. The screening is focused on a Study Area, defined by Stantec, which extends approximately 1,500 feet in both the north and south directions along Judd Road from the bridge, as well as a 500-foot corridor in both the east and west directions along the Thruway.

The NYSDOT *Environmental Manual (TEM)* Chapter 4.4.20 was utilized for guidance during this assessment. The project location is indicated on the Regional Project Location Map (Figure 1), and the Study Area is identified on the Site Location Map (Figure 2).

As described in the NYSTA Scope of Services provided by Stantec, this preliminary screening is a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials.

2.0 METHODOLOGY

This assessment included a walkover reconnaissance of the Study Area, a review of existing information about past and current land use, and a review of published databases and government records, including Inactive Hazardous Waste Site Registry, Chemical and Petroleum Bulk Storage records, waste incident/chemical releases reports, and other federal, state, county, and local sources of information (see References). In January, 2017, Environmental Data Resource, Inc. was contracted by EDR to provide a listing of published databases of hazardous waste sites in the vicinity of the Study Area. These databases provide a listing of sites of potential concern as identified by a review of Federal, State and local databases. This database review was supplemented with a review of published databases available through the New York State Department of Environmental Conservation (NYSDEC) web site. The environmental database report is available upon request.

2.1 Site Inspection

A walkover site reconnaissance of the Study Area was conducted on November 10, 2016. The walkover was performed in an attempt to identify visual evidence of contamination such as: discolored or stained soil, stressed or dead vegetation, spills, leaks, leachate or discolored water, air emissions or odors, evidence of previous fires, and evidence of oil sheens on water. In addition, the walkover included a visual survey that attempted to identify whether the following are present within the Study Area: underground or aboveground tanks, vent/fill pipes, well casings or riser pipes from monitoring wells, refueling or pump islands, drums or chemical containers, discarded transformers or transformer pads, surface impoundments or lagoons, landfills or dumps, dumpsters or bulk solid waste, railroad tracks or railyards, sumps, drywells, or septic systems.

2.2 Past and Current Land Use Research

Historical mapping and aerial photography are utilized as part of the Hazardous Waste/ Contaminated Materials screening

as they serve as an historical reference to prior land use. Historical mapping and aerial photography was reviewed to identify locations where past use(s) could be considered an environmental concern. Examples of how a past land usage could lead to an environmental concern is the presence of contaminated soils from a former filling station, automotive repair shop, large manufacturing plant, chemical plant, drycleaner, etc. Based on the location of such sites with respect to the Study Area and the specific past land use, the need for further investigation may be eliminated orwarranted.

The following resources were researched to establish the past and current land use within the Study Area:

Sanborn Map Review – – According to the Environmental Data Resource, Inc., the Study Area is unmapped on Sanborn maps. The Data Resource report states: *This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found* (see Appendix C).

Aerial Photographs - Aerial photographs taken in 1952, 1956, 1960, 1974, 1981, 1985, 1997, 2006, 2008, 2009, and 2011 supplied by Environmental Data Resource, Inc. were reviewed. These aerial photographs are included in Appendix D. Supplemental aerial photography from Google Earth for the years, 1997, 2003, 2006, 2008, 2009, 2011, and 2015, was also reviewed.

2.3 Records Review

A review of Federal, State and local Environmental databases was conducted. Environmental Data Resource, Inc. was contracted by EDR to provide a comprehensive review of Federal, State and local listed data on potential hazardous waste sites in the vicinity of the Study Area. The environmental database report is available upon request. This data search was performed in accordance with ASTM E-1527-05 standards for minimum search distance. The use of the database report allows for a comprehensive listing of sites of potential concern.

United States Environmental Protection Agency (USEPA) and NYSDEC online databases were reviewed and cross-referenced as part of the review process to supplement the environmental database review referenced above.

3.0 FINDINGS

The project is located in the Town of Whitesboro, Oneida County, New York (Figure 2). The project includes the replacement of the existing Judd Road bridge (BIN 5512980) over the New York State Thruway at MP 240.48. According to Stantec, the purpose of the project is to improve traffic operations and safety of this bridge.

3.1 Site Inspection Findings

The Study Area was observed to be primarily occupied by a portion of Judd Road (County Route 840), including the bridge where it crosses over the New York State Thruway (I-90) in Whitestown, New York. The north-south oriented portion of the Study Area is occupied by Judd Road, and the east-west oriented portion of the Study Area is occupied by the Thruway. The Judd Road intersection with Westmoreland Road is located in the southern portion of the Study Area. No buildings are located within the Study Area, and no evidence of underground or aboveground tanks, chemical storage/drums, or other evidence of hazardous material releases were observed in the Study Area during the site walkover.

The topography of the area is generally flat, with an overall slope down to the northwest. Oriskany Creek is located west of the Study Area, and flows to the northeast to its confluence with the Mohawk River. Groundwater at the Study Area is expected to generally flow to the northwest toward Oriskany Creek.

Limited solid waste debris was observed along the side of the Thruway and Judd Road within the Study Area; however, evidence of a release of oil and/or hazardous materials (OHM) was not noted during the site walkover. Pole-mounted transformers were observed along the boundaries of the Study Area along Judd Road. Evidence of leakage was not noted around the transformers observed within or adjacent to the Study Area at the time of the site reconnaissance.

Note that markers indicating the presence of a buried petroleum pipeline were observed along the Thruway, adjacent to the Study Area. Based on the location of these markers, it is expected that the buried petroleum pipeline runs generally parallel to the Thruway in an east/west direction adjacent to the Study Area. Markers indicating the presence of buried fiber optic cables were also noted along Judd Road.

Properties in the immediate vicinity of the Study Area include:

- A utility substation is located on the west side of Judd Road, at the southern end of the Study Area. The southern portion of Judd Road also includes the stoplight intersection with Westmoreland Road, and a residence to the southwest of the bridge. Much of the land abutting the southern portion of Judd Road is undeveloped.
- The portion of Judd Road north of the Thruway bridge is lined with residences.
- Domenico's Golf Course is located northeast of the Study Area off Church Road N.
- Southwest of the Study Area are community facilities for the Town of Whitestown, including the Whitestown Community Center and Skating Rink, the Town Court, and the Highway Department.

Photographs obtained during the walkover site inspection of the Study Area are included in Appendix B.

3.2 Past and Current Land Use Research Findings

Aerial photographs taken in 1952, 1956, 1960, 1974, 1981, 1985, 1997, 2006, 2008, 2009, and 2011 supplied by Environmental Data Resource, Inc. were reviewed.

The historic and recent aerial photographs for the Study Area (Appendix D) identified the following:

- In 1952, neither Judd Road nor the Thruway were present. The Study Area was occupied by agricultural fields at this time. A few scattered residences are visible on this aerial in the area surrounding the Study Area.
- In the 1956 aerial photograph, Judd Road was not present; however, the Thruway had been constructed. The Study Area was occupied by the Thruway and agricultural fields. A few more residences appear in the surrounding area.
- In 1960, most of Judd Road had not been constructed; however, a bridge is visible over the Thruway in the current Judd Road bridge location. Remaining portions of the Study Area remained as agricultural fields, with scattered residences in the vicinity.
- By 1974, Judd Road had been constructed within the Study Area. Surrounding properties included agricultural fields and residences.
- The aerials for 1981 and 1985 were largely consistent with 1974, with additional residences and fewer agricultural fields appearing over time. Domenico's Golf Course is visible for the first time in the 1985 aerial.

- In 1997, the utility substation south of the Study Area first appears. Between 1997 through 2011, the aerial photographs of the Study Area show conditions similar to present.

Additional discussion of the findings of the historical mapping and aerial photography review is included in the discussion of the properties and/or locations of concern in Section 3.3 of this report, if warranted.

3.3 Records Review Findings

Table 1 summarizes the information available through the Environmental Data Resource, Inc. database search and supplemented through a review on line databases, an understanding of the Study Area, and a site reconnaissance.

Table 1: Environmental Records Review

Standard Environmental Record Sources	Minimum Search Distance – ASTM Standard: miles (kilometers)	No. of Listed Properties[1]
Federal NPL Site List	1.0 (1.6)	0
Federal Delisted NPL Site List	0.5 (0.8)	0
Federal CERCLIS List (SEMS)	0.5 (0.8)	0
Federal CERCLIS NFRAP Site List (SEMS Archive)	0.5 (0.8)	0
Federal RCRA CORRACTS Facilities List	1.0 (1.6)	0
Federal RCRA non-CORRACTS TSD Facilities List (RCRA-TSDF)	0.5 (0.8)	0
Federal RCRA Generators List	Property and adjoining properties only	0
Federal Institutional Control/ Engineering Control Registries	Property only	0
Federal ERNS List	Property only	0
State equivalent NPL	1.0 (1.6)	0
State equivalent CERCLIS (Inactive Hazardous Waste Disposal Sites – SHWS)	0.5 (0.8)	0
State Landfill and/or Solid Waste Disposal Site Lists (Solid Waste Facility/Landfill – SWF/LF)	0.5 (0.8)	0
State Leaking Storage Tank Lists (LTANKS)	0.5 (0.8)	1
State Registered Storage Tank Lists (UST/AST)	0.25 (0.4)	1
State Institutional Control/Engineering Control Registries	Property only	0
State Voluntary Cleanup Sites	0.5 (0.8)	0
State Brownfield Sites	0.5 (0.8)	0
Additional Environmental Record Sources:		
Federal FINDS	Property only	0
Local List of Registered Storage Tanks (NY HIST UST/AST)	0.25 (0.4)	0
State Leaking Storage Tank Lists (HIST LTANKS)	0.5 (0.8)	0
NY Spills	0.125 (0.2)	1
Federal RCRA – NonGen	0.25 (0.4)	0
State Manifest Records	0.25 (0.4)	0

[1]Sites may be listed in more than one database.

3.4 Locations of Concern

Based on the site inspection and records review, sites identified as potentially posing a negative impact on the proposed project are described below:

Whitestown Highway Garage, 5605 Westmoreland Road

The Whitestown Highway Garage at 5605 Westmoreland Road is located southwest of the Study Area. This property is listed as having had two former USTs, including a 4,000-gallon diesel fuel UST and a 2,000-gallon gasoline UST that were both closed in 1994. In 1993, a failed tightness test for one of the USTs resulted in this property being listed as a leaking UST site. As stated in the database report, corrective actions have been taken to address this release, and the release has been closed. According to the database, this property has two active ASTs, including a 2,000-gallon gasoline AST and a 2,500-gallon diesel AST that were both installed in 1994. These ASTs are listed as being equipped with both spill prevention and leak detection devices.

Chiamonte Residence, 5571 Judd Road

This property is located just north of the Study Area, at the western side of Judd Road. A spill of 3 gallons of diesel fuel was reported to the NYSDEC for this address in February 2016. According to the database report, the NYSDEC conducted a site check and identified that the spill was larger than reported, and had occurred at an earlier date. Remediation was subsequently completed, including the removal of almost four tons of contaminated soil. After the soil removal, confirmatory soil samples were taken and shown to be below the applicable state standards. The spill was closed by the NYSDEC in October 2016.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the information reviewed and the site inspection the following items of environmental concern were identified:

- Markers indicating the presence of a buried petroleum pipeline and buried fiber optic cables were observed adjacent to the Study Area. Prior to excavations for the proposed Project, the location of all buried utilities and pipelines should be confirmed to avoid potential impacts.

- The Whitestown Highway Garage at 5605 Westmoreland Road, located southwest of the Study Area is listed as having had two former USTs and two active ASTs. This property is also listed as the site of a leaking UST in 1993, which has been closed by the NYSDEC. Based on separating distance, topographic gradient, and the removal of USTs from this parcel, significant impacts to soil and/or groundwater within the Study Area are not anticipated.

Note that this preliminary screening is intended to be a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials. The findings presented in this screening are based on the proposed project activities, observations noted at the time of the site walkover, and the accuracy and timeliness of the published databases and government records. Should any of the proposed project components change, so may the findings of this report. As noted in the Limitations section above, EDR cannot guarantee that the property is free of hazardous substances or other materials or conditions. The presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or groundwater samples, which was beyond the scope of this investigation.

REFERENCES

Environmental Data Resources, Inc. 2017. *The EDR Radius Map Report with GeoCheck.* January 13, 2017.

Environmental Data Resources, Inc. 2017. *Certified Sanborn Map Report.* January 13, 2017 (Appendix C).

Environmental Data Resources, Inc. 2017. *The EDR Aerial Photo Decade Package*. January 13, 2017 (Appendix D).

New York State Department of Environmental Conservation. 2017. *Spills Incident Database Search*. Available at: https://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=2

New York State Department of Environmental Conservation. 2017. *Bulk Storage Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=4

New York State Department of Environmental Conservation. 2017. *Environmental Site Remediation Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3

Environmental Protection Agency. 2016. *National Priorities List (NPL) Sites – by State*. Available at: https://www.epa.gov/superfund/national-priorities-list-npl-sites-state

Appendix A: Figures

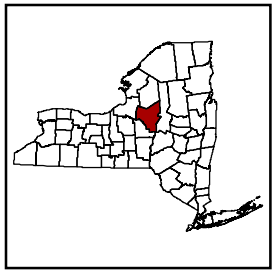
Replacement of Syracuse Division Bridges

Town of Whitestown,
Oneida County, New York

Figure 1. Regional Project Location - Judd Road, Whitestown, NY, MP 240.48 (BIN 5512980)

February 2017

Study Area



Notes:
1. Basemap: ESRI ArcGIS Online "World Street Map" Map Service.
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

www. edrdpc. com



Replacement of Syracuse Division Bridges

Town of Whitestown, Oneida County, New York

Figure 2. Study Area - Judd Road, Whitestown, NY, MP 240.48 (BIN 5512980)

Study Area

February 2017

Notes: 1. Basemap: ESRI ArcGIS Online "World Imagery" Map Service
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

www.edrdpc.com

Appendix B: Site Photographs



Photo 1

View of Judd Road bridge over Thruway



Photo 2

Close up view of Judd Road bridge over Thruway



Photo 3

View of substation located adjacent to southern portion of Study Area, on west side of Judd Road



Photo 4

View of Study Area from substation, facing north along Judd Road



Photo 5

Location of buried cable interconnect adjacent to Study Area



Photo 6

View facing north along Judd Road; note buried cable marker



Photo 7

View of marker indicating buried petroleum pipeline



Photo 8

View from Thruway toward Whitestown Highway Garage, to SW of Study Area

Appendix C: Sanborn Maps – No Coverage

MP 240.48
Judd Road/I 90
Whitesboro, NY 13492

Inquiry Number: 4827880.3
January 13, 2017

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

01/13/17

Site Name:

MP 240.48
Judd Road/I 90
Whitesboro, NY 13492
EDR Inquiry # 4827880.3

Client Name:

Environmental Design & Research, d.p.c
217 Montgomery Street
Syracuse, NY 13202
Contact: Caitlin Graff

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Environmental Design & Research, d.p.c were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 0762-43B0-82B2

PO # NA

Project 16134-4

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 0762-43B0-82B2

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Appendix D: Historic and Recent Aerial Photographs

MP 240.48
Judd Road/I 90
Whitesboro, NY 13492

Inquiry Number: 4827880.5
January 13, 2017

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

01/13/17

Site Name:

MP 240.48
Judd Road/I 90
Whitesboro, NY 13492
EDR Inquiry # 4827880.5

Client Name:

Environmental Design & Research, d.p.c
217 Montgomery Street
Syracuse, NY 13202
Contact: Caitlin Graff

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

Search Results:

Year	Scale	Details	Source
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1997	1"=500'	Acquisition Date: May 18, 1997	USGS/DOQQ
1985	1"=500'	Flight Date: May 08, 1985	USGS
1981	1"=500'	Flight Date: May 07, 1981	USGS
1974	1"=500'	Flight Date: April 17, 1974	USGS
1960	1"=1000'	Flight Date: May 06, 1960	USGS
1956	1"=500'	Flight Date: October 14, 1956	USGS
1952	1"=500'	Flight Date: March 27, 1952	USGS

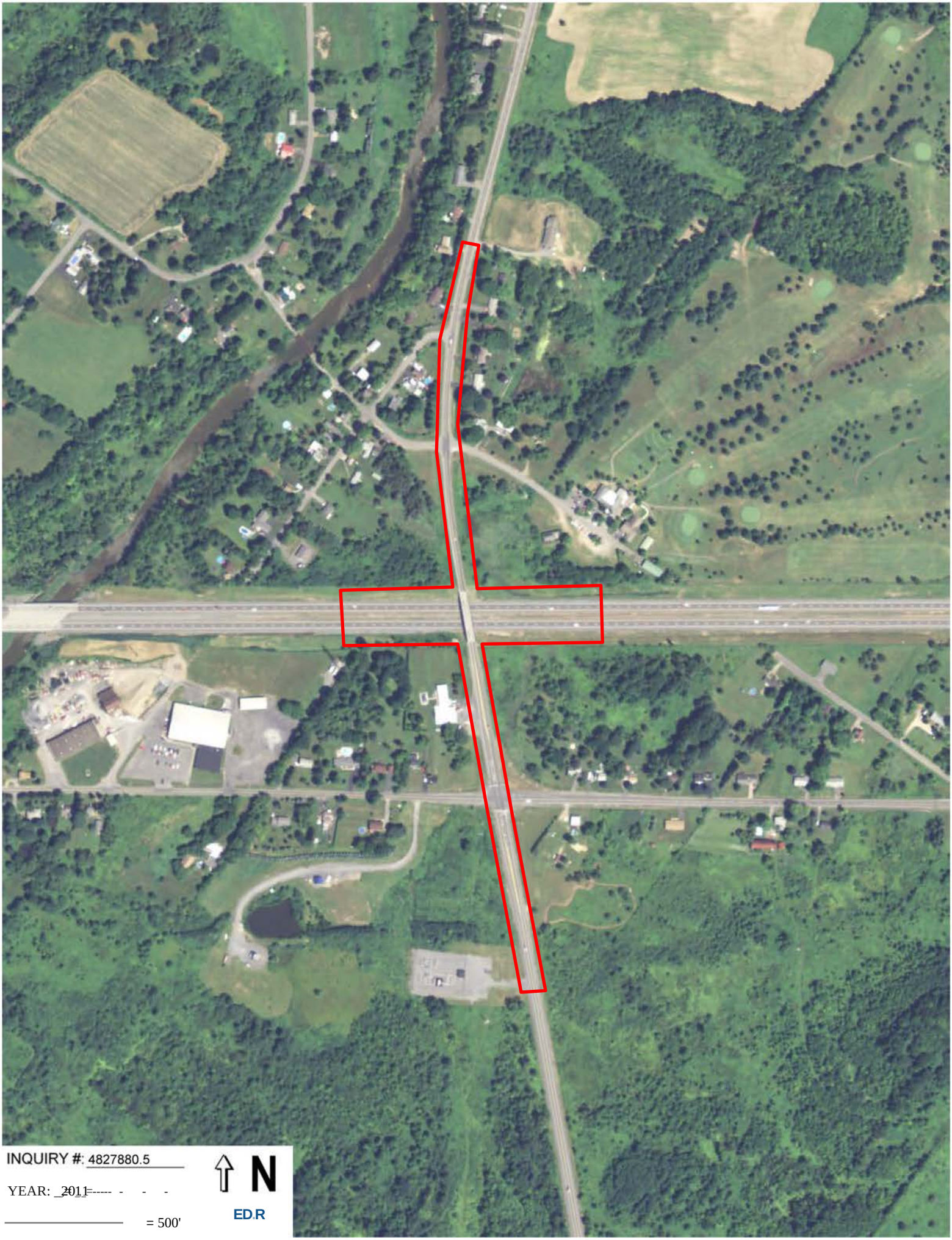
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

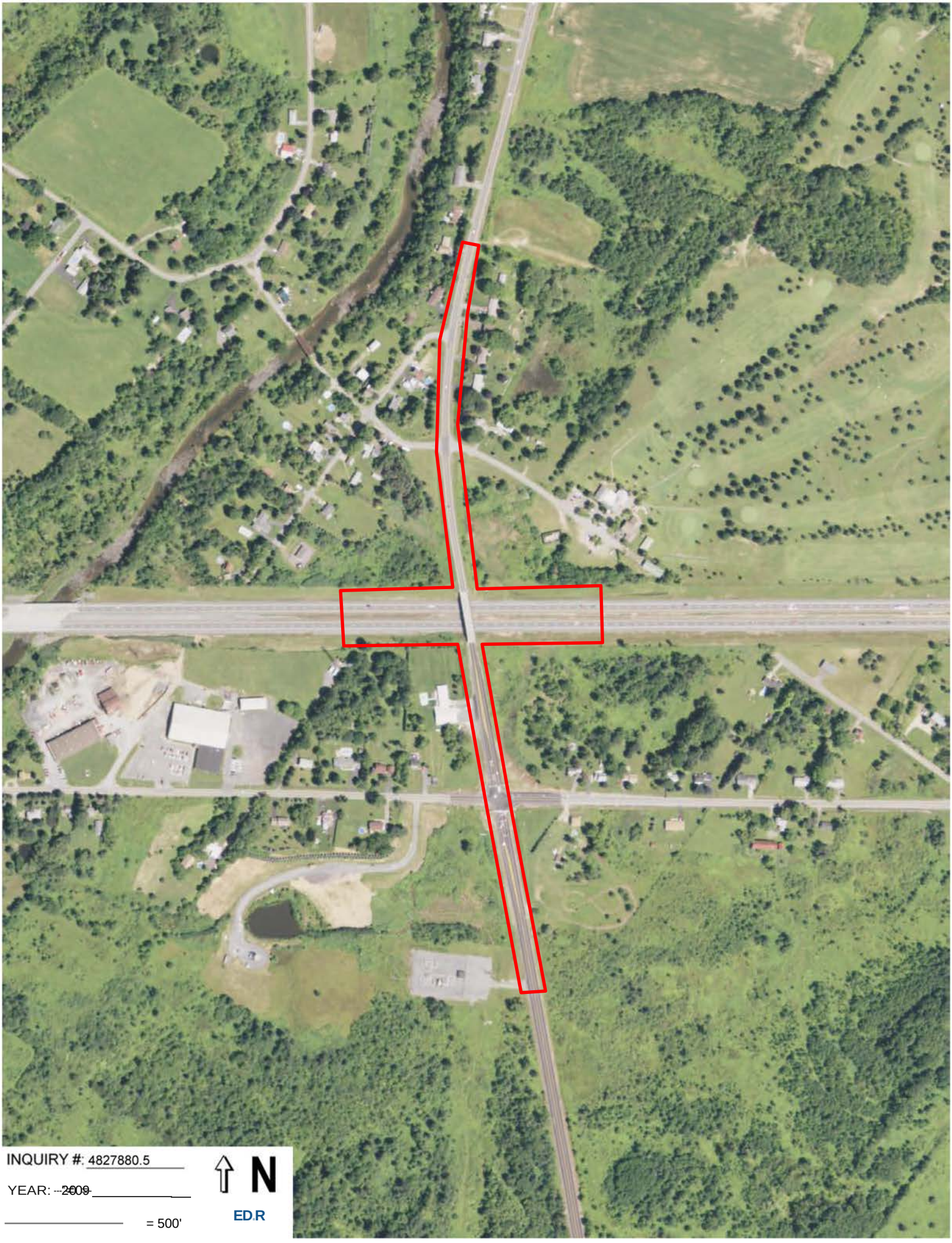
Disclaimer - Copyright and Trademark Notice

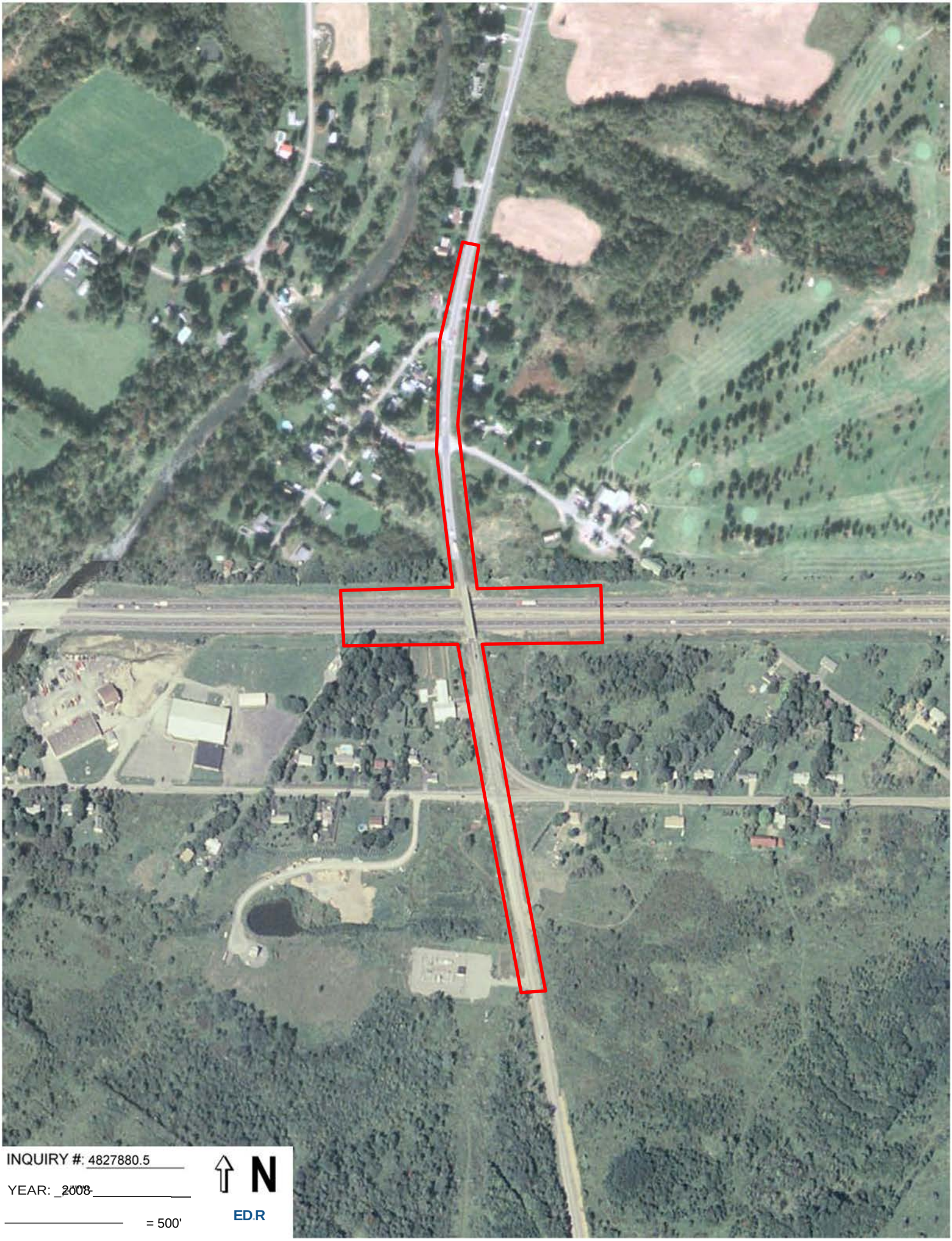
This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

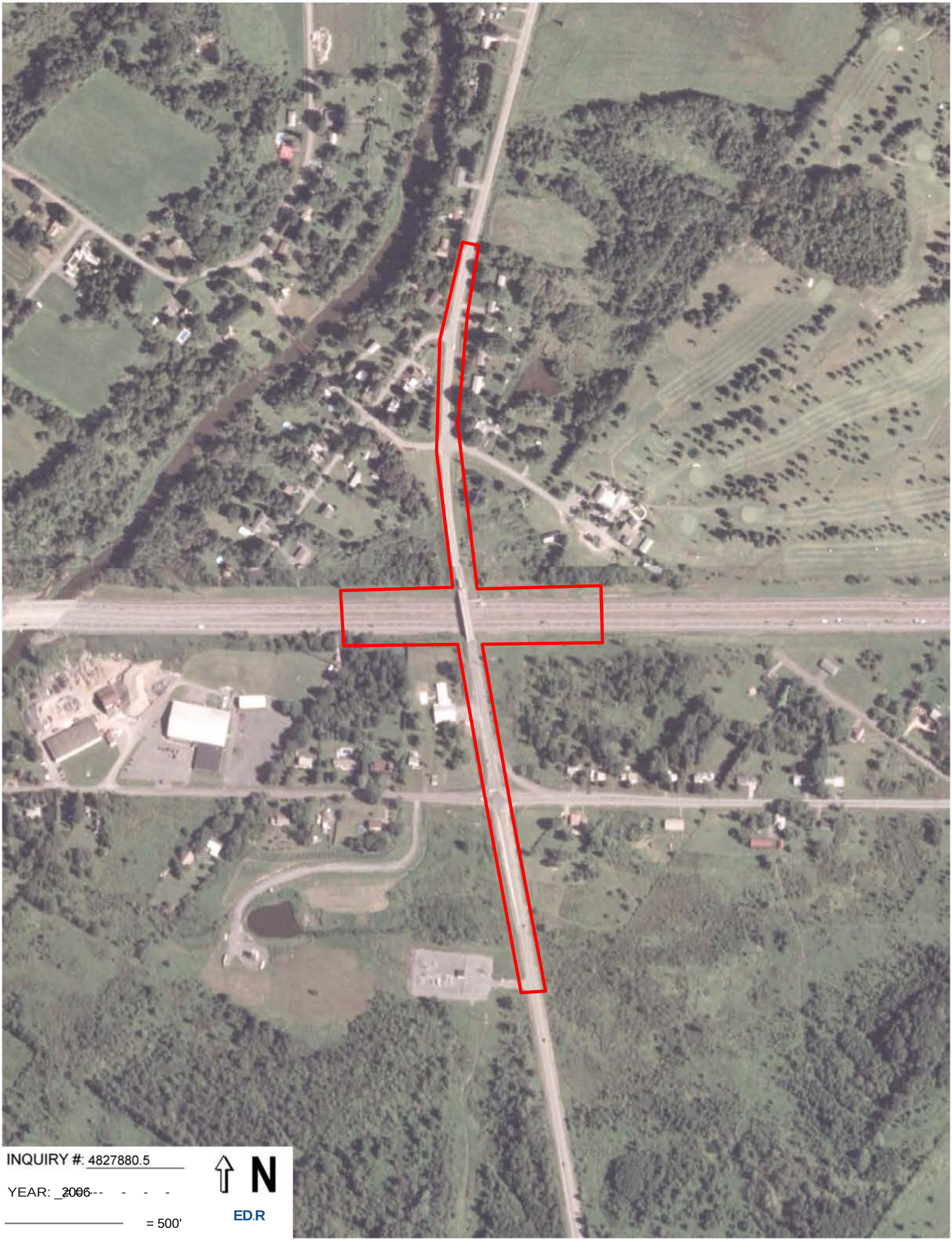
Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.


INQUIRY #: 4827880.5
YEAR: 2011
= 500'
N
ED.R

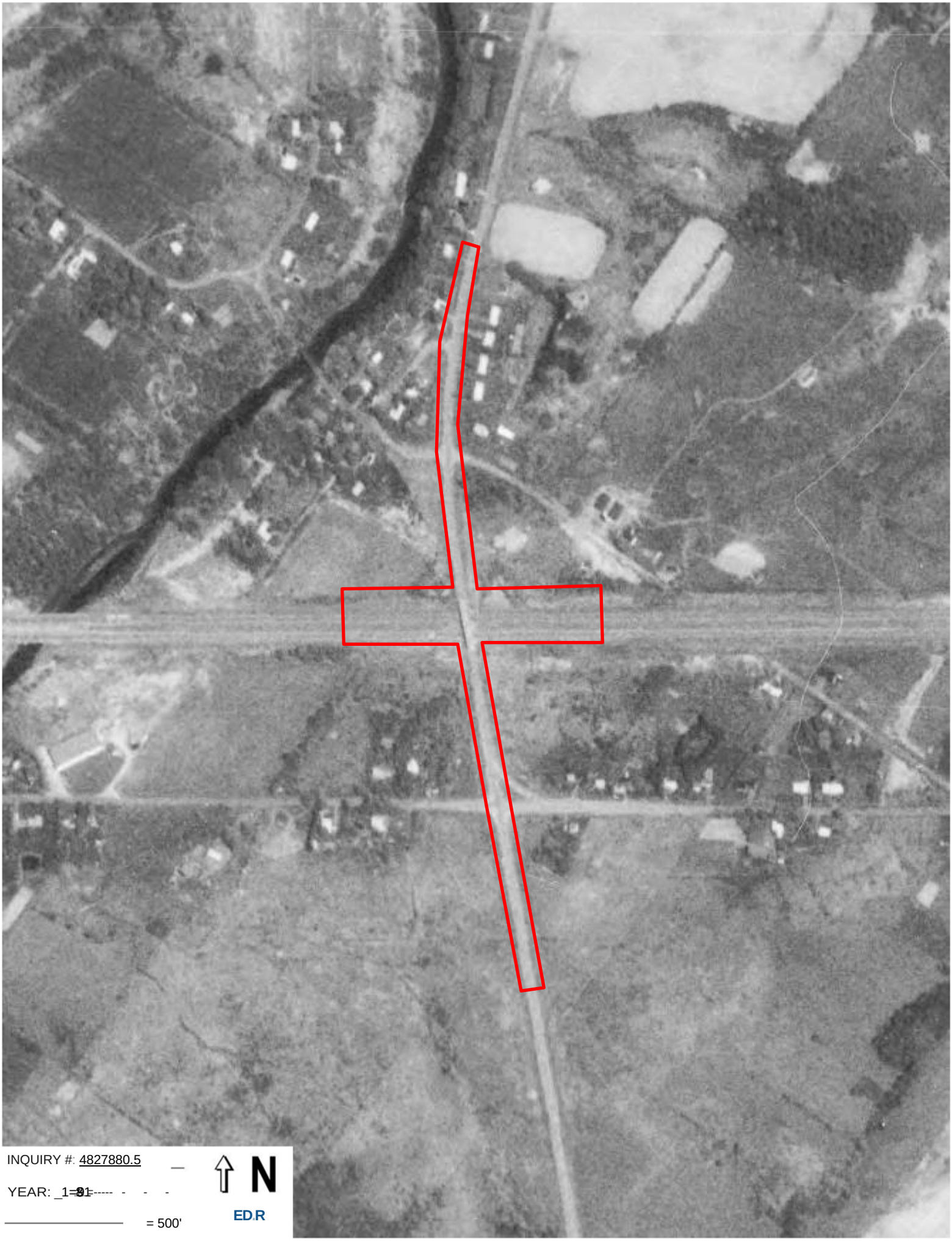

INQUIRY #: 4827880.5
YEAR: ~~2009~~
= 500'
N
ED.R

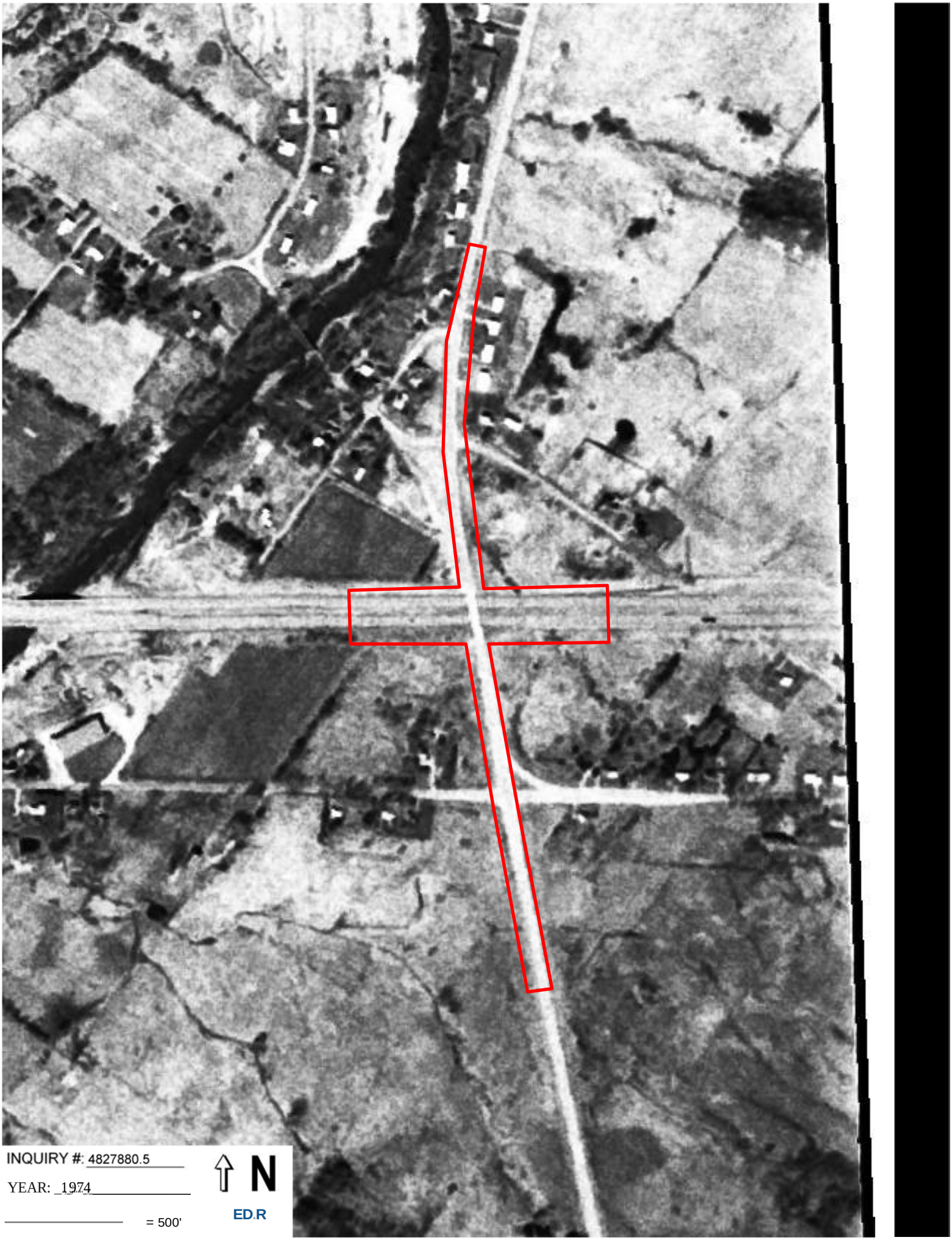

INQUIRY #: 4827880.5
YEAR: 2008
= 500'
N
EDR


INQUIRY #: 4827880.5
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 4827880.5
YEAR: 1997
= 500'
N
EDR


INQUIRY #: 4827880.5
YEAR: 1985
= 500'
N
EDR


INQUIRY #: 4827880.5
YEAR: 1981
= 500'
N
EDR


INQUIRY #: 4827880.5
YEAR: 1974
= 500'
N
EDR



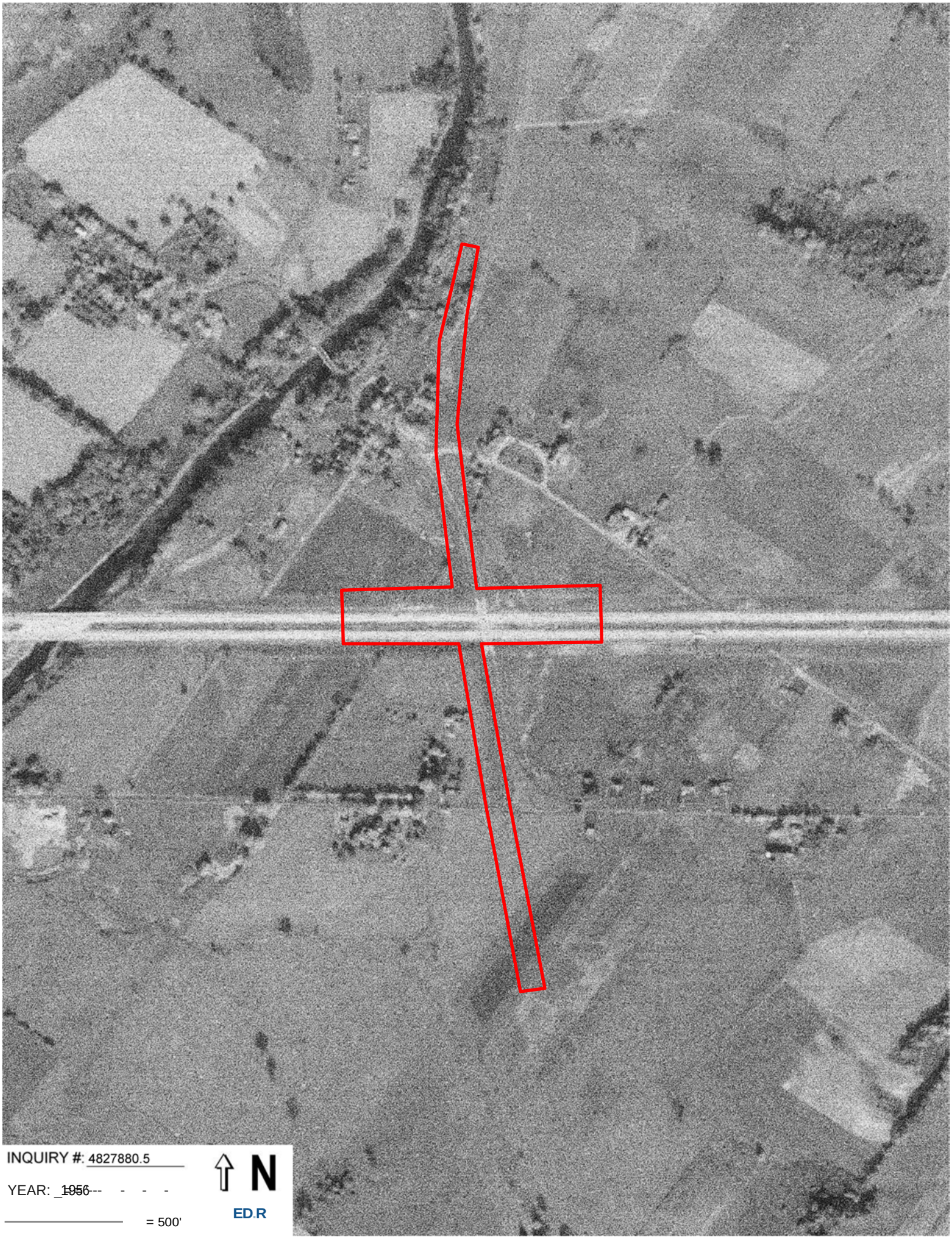
INQUIRY #: 4827880.5

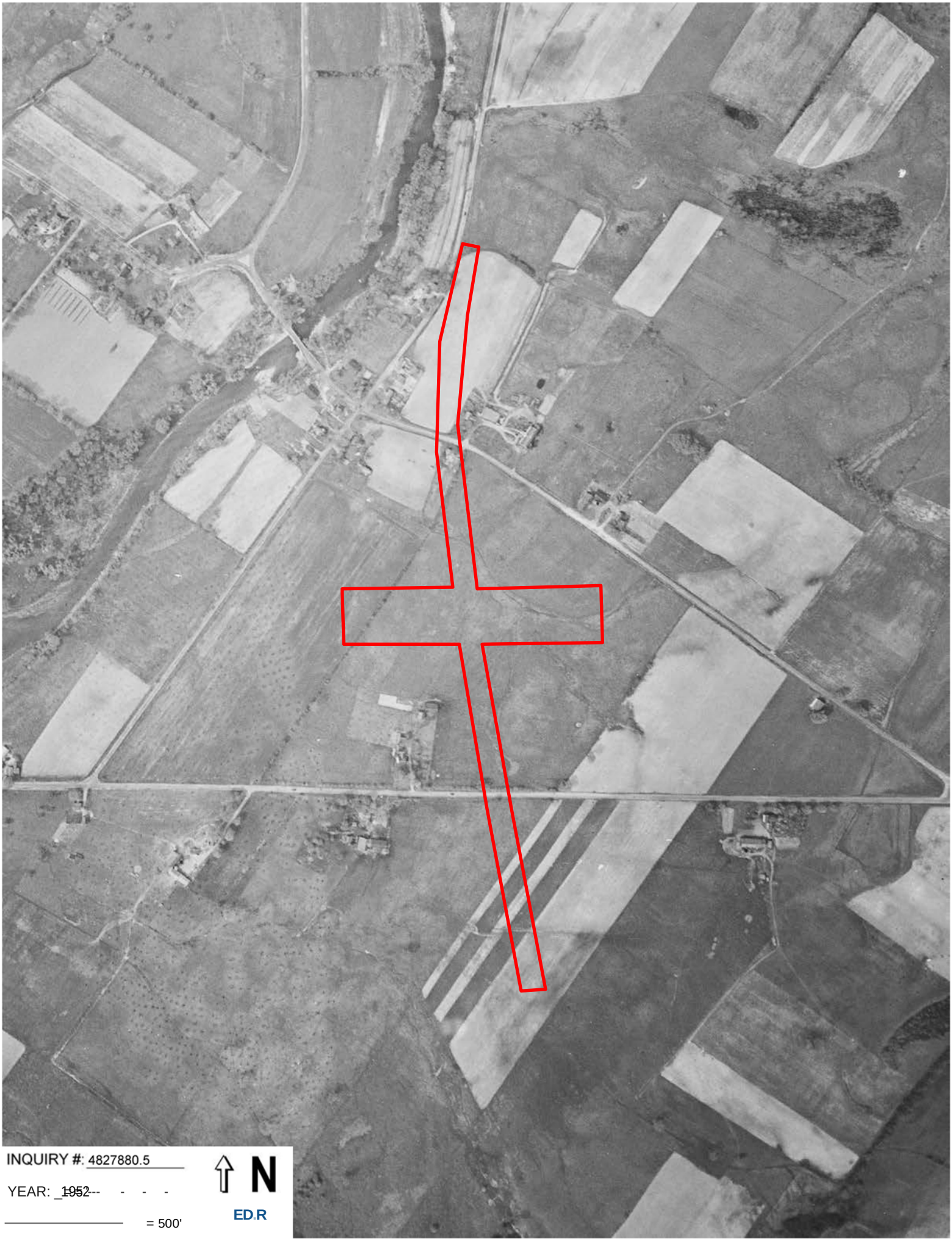
YEAR: ~~1960~~

= 1000'

N

EDR


INQUIRY #: 4827880.5
YEAR: 1956
= 500'
N
EDR


INQUIRY #: 4827880.5
YEAR: 1952
= 500'
N
EDR

HAZARDOUS WASTE/CONTAMINATED MATERIALS SCREENING (FINAL)

Replacement of Syracuse Division Bridges

Milepost 225.48 & 225.49: County Road 53, EB & WB

EB BIN 5516072; WB BIN 5516071

Town of Schuyler, Herkimer County, New York

Prepared for:

New York State Thruway Authority
200 Southern Blvd.
P.O. Box 189
Albany, NY 12201-0189

Stantec
61 Commercial Street, Suite 100
Rochester, NY 14614
www.stantec.com

Prepared by:

Environmental Design & Research,
Landscape Architecture, Engineering, & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1000
Syracuse, New York 13202
www.edrdpc.com

February 2017

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1

LIMITATIONS 1

1.0 INTRODUCTION 2

2.0 METHODOLOGY 2

2.1 Site Inspection 2

2.2 Past and Current Land Use Research 2

2.3 Records Review 3

3.0 FINDINGS 3

3.1 Site Inspection Findings 3

3.2 Past and Current Land Use Research Findings 4

3.3 Records Review Findings 4

3.4 Locations of Concern 5

4.0 CONCLUSIONS AND RECOMMENDATIONS 5

REFERENCES 7

Attachments
Appendix A: Figures
Appendix B: Site Photographs
Appendix C: Sanborn Maps – No Coverage
Appendix D: Historic and Recent Aerial Photographs

EXECUTIVE SUMMARY

A Hazardous Waste/ Contaminated Materials Screening was conducted for the New York State Thruway bridges over County Road 53 (Millers Grove Road), at Mile Point (MP) 224.48 and 225.49 on the New York State Thruway (Interstate 90), in the Town of Schuyler, Herkimer County, New York (BINs 5516072 and 5516071). The screening is focused on a Study Area extending approximately 1,500 feet in both the northwest and southeast directions along the Thruway from the bridge, as well as a 500-foot corridor in both the northeast and southwest directions along County Road 53. The Study Area was defined by Stantec. This screening included a review of available records and a Study Area walkover inspection, which was conducted on November 2, 2016. The purpose of this screening is to identify potential areas of environmental concern that may be disturbed during construction.

Based on the information reviewed for this screening, no items of environmental concern were identified for the Study Area.

The following report discusses the complete findings of the Hazardous Waste/ Contaminated Materials Screening.

LIMITATIONS

The findings presented in this screening are based on a description of project activities provided by Stantec, observations noted on the date of the site reconnaissance, and the accuracy and timeliness of the published databases and government records. Should any of the proposed project components change, so may the findings of this screening. Additionally, while this investigation was performed in accordance with the New York State Thruway Authority (NYSTA) Scope of Services provided by Stantec, good commercial and customary practice, and generally accepted protocols, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C. (EDR) cannot guarantee that the property is free of hazardous substances or other materials or conditions. The presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or groundwater samples, which was beyond the scope of this investigation.

This screening was prepared for the exclusive use of Stantec and the NYSTA, and should not be reproduced or disseminated without the written approval of EDR. Use of this report in whole or in part by parties other than Stantec and the NYSTA is prohibited.

1.0 INTRODUCTION

EDR, as sub-consultant to Stantec has been retained to perform a Hazardous Waste/ Contaminated Materials Screening for the New York State Thruway bridges over County Road 53, at MP 224.48 and MP 225.49 on the New York State Thruway, in the Town of Schuyler, Herkimer County, New York. The screening is focused on a Study Area, defined by Stantec, which extends approximately 1,500 feet in both the northwest and southeast directions along the Thruway from the bridge, as well as a 500-foot corridor in both the northeast and southwest directions along County Road 53.

The NYSDOT *Environmental Manual (TEM)* Chapter 4.4.20 was utilized for guidance during this assessment. The project location is indicated on the Regional Project Location Map (Figure 1), and the Study Area is identified on the Site Location Map (Figure 2).

As described in the NYSTA Scope of Services provided by Stantec, this preliminary screening is a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials.

2.0 METHODOLOGY

This assessment included a walkover reconnaissance of the Study Area, a review of existing information about past and current land use, and a review of published databases and government records, including Inactive Hazardous Waste Site Registry, Chemical and Petroleum Bulk Storage records, waste incident/chemical releases reports, and other federal, state, county, and local sources of information (see References). In January 2017, Environmental Data Resource, Inc. was contracted by EDR to provide a listing of published databases of hazardous waste sites in the vicinity of the Study Area. These databases provide a listing of sites of potential concern as identified by a review of Federal, State and local databases. This database review was supplemented with a review of published databases available through the New York State Department of Environmental Conservation (NYSDEC) web site. The environmental database report is available upon request.

2.1 Site Inspection

A walkover site reconnaissance of the Study Area was conducted on November 2, 2016. The walkover was performed in an attempt to identify visual evidence of contamination such as: discolored or stained soil, stressed or dead vegetation, spills, leaks, leachate or discolored water, air emissions or odors, evidence of previous fires, and evidence of oil sheens on water. In addition, the walkover included a visual survey that attempted to identify whether the following are present within the Study Area: underground or aboveground tanks, vent/fill pipes, well casings or riser pipes from monitoring wells, refueling or pump islands, drums or chemical containers, discarded transformers or transformer pads, surface impoundments or lagoons, landfills or dumps, dumpsters or bulk solid waste, railroad tracks or railyards, sumps, drywells, or septic systems.

2.2 Past and Current Land Use Research

Historical mapping and aerial photography are utilized as part of the Hazardous Waste/ Contaminated Materials screening as they serve as an historical reference to prior land use. Historical mapping and aerial photography was reviewed to identify locations where past use(s) could be considered an environmental concern. Examples of how a past land usage

could lead to an environmental concern is the presence of contaminated soils from a former filling station, automotive repair shop, large manufacturing plant, chemical plant, drycleaner, etc. Based on the location of such sites with respect to the Study Area and the specific past land use, the need for further investigation may be eliminated or warranted.

The following resources were researched to establish the past and current land use within the Study Area:

Sanborn Map Review – According to the Environmental Data Resource, Inc., the Study Area is unmapped on Sanborn maps. The Data Resource report states: *This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found* (see Appendix C).

Aerial Photographs - Aerial photographs taken in 1957, 1985, 1995, 2006, 2008, 2009, and 2011 supplied by Environmental Data Resource, Inc. were reviewed. These aerial photographs are included in Appendix D. Supplemental aerial photography from Google Earth for the years 1995, 2003, 2006, 2008, 2009, 2011 and 2015 was also reviewed.

2.3 Records Review

A review of Federal, State and local Environmental databases was conducted. Environmental Data Resource, Inc. was contracted by EDR to provide a comprehensive review of Federal, State and local listed data on potential hazardous waste sites in the vicinity of the Study Area. The environmental database report is available upon request. This data search was performed in accordance with ASTM E-1527-05 standards for minimum search distance. The use of the database report allows for a comprehensive listing of sites of potential concern.

United States Environmental Protection Agency (USEPA) and NYSDEC online databases were reviewed and cross-referenced as part of the review process to supplement the environmental database review referenced above.

3.0 FINDINGS

The project is located in the Town of Schuyler, Herkimer County, New York (Figure 2). The project includes the replacement of the existing New York State Thruway bridges (BINs 5516072 and 5516071) over County Road 53 at MP 225.48 and 225.49. According to Stantec, the purpose of the project is to improve traffic operations and safety of these Thruway bridges.

3.1 Site Inspection Findings

The Study Area was observed to be occupied primarily by the mainline of the New York State Thruway (I-90), a built-up interstate highway which passes over County Road 53 (Miller's Grove Road) in the center of the Study Area. The northeast-southwest oriented portion of the Study Area is occupied by County Road 53. No buildings are located within the Study Area, and no evidence of underground or aboveground tanks, chemical storage/drums, or other evidence of hazardous material releases were observed during the site walkover.

The area is generally flat, with a slight slope down to the southeast. Bridenbecker Creek flows to the south through the eastern portion of the Study Area. A concrete culvert allows the creek to flow under the Thruway to its confluence with the

Mohawk River, which is located approximately 0.5-mile south of the Study Area and flows to the east. Groundwater at the Study Area is expected to generally flow to the south/southeast toward the Mohawk River.

The Study Area is occupied by public roadways, the New York State Thruway, and adjacent roadway vegetation. Limited solid waste debris was observed along the side of County Road 53 and the Thruway within the Study Area; however, significant dumping was not noted at the time of the site reconnaissance.

Properties in the immediate vicinity of the Study Area include:

- A residential manufactured home development known as the Country Meadows Mobile Home Park is located southwest of the bridge intersection.
- Residences are located at the northwest corner of the intersection of the Thruway and County Road 53. Beyond the residences are landscaped areas and undeveloped fields, followed by a cemetery further west.
- Undeveloped fields interspersed with wooded areas are located to the northeast and southeast of the bridge intersection.

Photographs obtained during the walkover site inspection of the Study Area are included in Appendix B.

3.2 Past and Current Land Use Research Findings

Aerial photographs taken in 1957, 1985, 1995, 2006, 2008, 2009, and 2011 supplied by Environmental Data Resource, Inc. were reviewed.

The historic and recent aerial photographs for the Study Area (Appendix D) identified the following:

- In 1957, the Study Area was occupied by the New York State Thruway and County Road 53. Surrounding properties were largely undeveloped farm fields and wooded areas, with a few scattered residences located in the area.
- In 1985, the Study Area and vicinity were largely consistent with 1957, except that the residential manufactured home development to the southwest of the Study Area had been constructed by this time.
- Between 1995 and 2011, the aerial photographs of the Study Area show conditions largely similar to present. The Thruway and County Road 53 occupy the Study Area, and scattered residents and farm fields occupy the surrounding areas.

Additional discussion of the findings of the historical mapping and aerial photography review is included in the discussion of the properties and/or locations of concern in Section 3.3 of this report, if warranted.

3.3 Records Review Findings

Table 1 summarizes the information available through the Environmental Data Resource, Inc. database search and supplemented through a review on line databases, an understanding of the Study Area, and a site reconnaissance.

Table 1: Environmental Records Review

Standard Environmental Record Sources	Minimum Search Distance – ASTM Standard: miles (kilometers)	No. of Listed Properties[1]
Federal NPL Site List	1.0 (1.6)	0
Federal Delisted NPL Site List	0.5 (0.8)	0
Federal CERCLIS List (SEMS)	0.5 (0.8)	0
Federal CERCLIS NFRAP Site List (SEMS Archive)	0.5 (0.8)	0
Federal RCRA CORRACTS Facilities List	1.0 (1.6)	0
Federal RCRA non-CORRACTS TSD Facilities List (RCRA-TSDF)	0.5 (0.8)	0
Federal RCRA Generators List	Property and adjoining properties only	0
Federal Institutional Control/ Engineering Control Registries	Property only	0
Federal ERNS List	Property only	0
State equivalent NPL	1.0 (1.6)	0
State equivalent CERCLIS (Inactive Hazardous Waste Disposal Sites – SHWS)	0.5 (0.8)	0
State Landfill and/or Solid Waste Disposal Site Lists (Solid Waste Facility/Landfill – SWF/LF)	0.5 (0.8)	0
State Leaking Storage Tank Lists (LTANKS)	0.5 (0.8)	0
State Registered Storage Tank Lists (UST/AST)	0.25 (0.4)	0
State Institutional Control/Engineering Control Registries	Property only	0
State Voluntary Cleanup Sites	0.5 (0.8)	0
State Brownfield Sites	0.5 (0.8)	0
Additional Environmental Record Sources:		
Federal FINDS	Property only	0
Local List of Registered Storage Tanks (NY HIST UST/AST)	0.25 (0.4)	0
State Leaking Storage Tank Lists (HIST LTANKS)	0.5 (0.8)	0
NY Spills	0.125 (0.2)	0
Federal RCRA – NonGen	0.25 (0.4)	0
State Manifest Records	0.25 (0.4)	0

[1]Sites may be listed in more than one database.

3.4 Locations of Concern

Based on the site inspection and records review, no sites were identified which are expected to pose a negative impact on the proposed project.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the information reviewed and the site inspection, no items of environmental concern were identified.

Note that this preliminary screening is intended to be a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials. The findings presented in this screening are based on the proposed project activities, observations noted at the time of the site walkover, and the accuracy and timeliness of the published databases and government records. Should any of the proposed project components change, so may the findings of this report. As noted in the Limitations section above, EDR

cannot guarantee that the property is free of hazardous substances or other materials or conditions. The presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or groundwater samples, which was beyond the scope of this investigation.

REFERENCES

Environmental Data Resources, Inc. 2017. *The EDR Radius Map Report with GeoCheck.* January 6, 2017.

Environmental Data Resources, Inc. 2017. *Certified Sanborn Map Report.* January 6, 2017 (Appendix C).

Environmental Data Resources, Inc. 2017. *The EDR Aerial Photo Decade Package*. January 9, 2017 (Appendix D).

New York State Department of Environmental Conservation. 2017. *Spills Incident Database Search*. Available at: https://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=2

New York State Department of Environmental Conservation. 2017. *Bulk Storage Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=4

New York State Department of Environmental Conservation. 2017. *Environmental Site Remediation Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3

Environmental Protection Agency. 2016. *National Priorities List (NPL) Sites – by State*. Available at: https://www.epa.gov/superfund/national-priorities-list-npl-sites-state

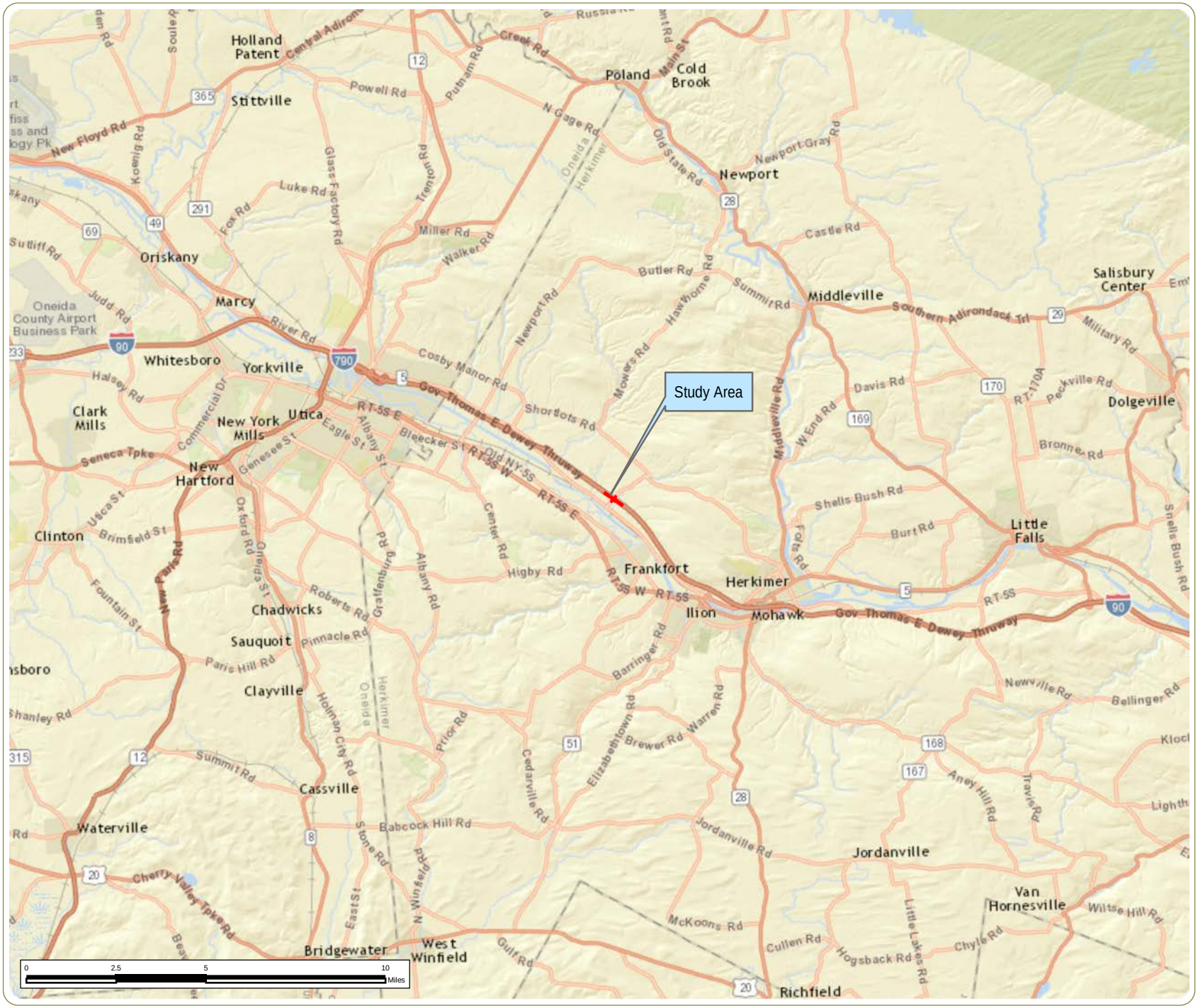
Appendix A: Figures

Replacement of Syracuse Division Bridges

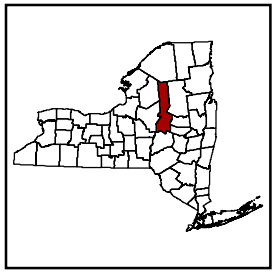
Town of Schuyler,
Herkimer County, New York

Figure 1. Regional Project Location - County Road 53, EB and WB, Schuyler, NY, MP 225.48
(EB BIN 5516072)
(WB BIN 5516071)

January 2017



Study Area



Notes:
1. Basemap: ESRI ArcGIS Online "World Street Map" Map Service.
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

www. edrdpc. com



Replacement of Syracuse Division Bridges

Town of Schuyler,
Herkimer County, New York

Figure 2. Study Area - County Road 53, EB and WB, Schuyler, NY, MP 225.48 (EB BIN 5516072) (WB BIN 5516071)

January 2017

Study Area

Notes:
1. Basemap: ESRI ArcGIS Online "World Map" Map Service
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

www. edrdpc. com

Appendix B: Site Photographs



Photo 1

View toward Thruway bridge over CR 53, facing SW.



Photo 2

View facing North along CR 53, with residence to the NW of the Project Site.



Photo 3

View toward Thruway bridge over CR 53, facing NE.



Photo 4

View facing SW along Thruway.

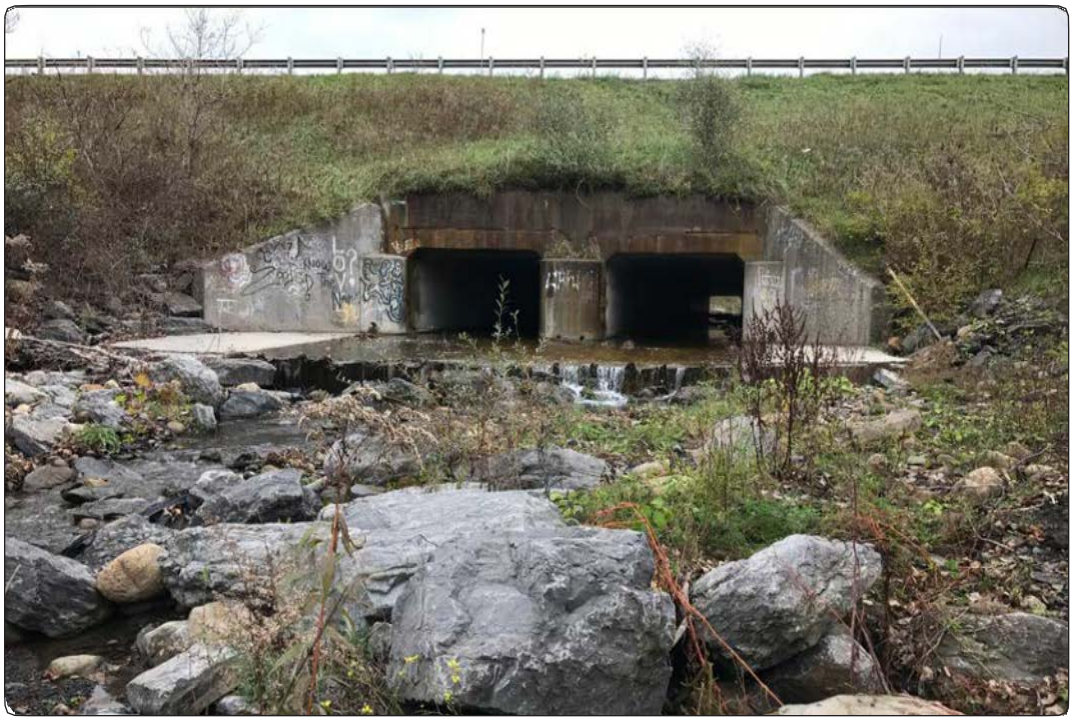


Photo 5

View of culvert that carries Bridenbecker Creek under Thruway.



Photo 6

View of Bridenbecker Creek from culvert, facing South.

Appendix C: Sanborn Maps – No Coverage

MP 225.48 & MP 225.49

County Road 53/ I 90

Frankfort, NY 13340

Inquiry Number: 4822387.3

January 06, 2017

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

01/06/17

Site Name:	Client Name:
MP 225.48 & MP 225.49	Environmental Design & Research, d.p.c
County Road 53/ I 90	217 Montgomery Street
Frankfort, NY 13340	Syracuse, NY 13202
EDR Inquiry # 4822387.3	Contact: Caitlin Graff

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Environmental Design & Research, d.p.c were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # BF70-4484-88C8

PO # NA

Project 16134-2

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: BF70-4484-88C8

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Appendix D: Historic and Recent Aerial Photographs

MP 225.48 & MP 225.49

County Road 53/ I 90

Frankfort, NY 13340

Inquiry Number: 4822387.5

January 09, 2017

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

01/09/17

Site Name:

MP 225.48 & MP 225.49
County Road 53/ I 90
Frankfort, NY 13340
EDR Inquiry # 4822387.5

Client Name:

Environmental Design & Research, d.p.c
217 Montgomery Street
Syracuse, NY 13202
Contact: Caitlin Graff

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

Search Results:

Year	Scale	Details	Source
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1995	1"=500'	Acquisition Date: May 08, 1995	USGS/DOQQ
1985	1"=500'	Flight Date: May 08, 1985	USGS
1957	1"=500'	Flight Date: July 08, 1957	USGS

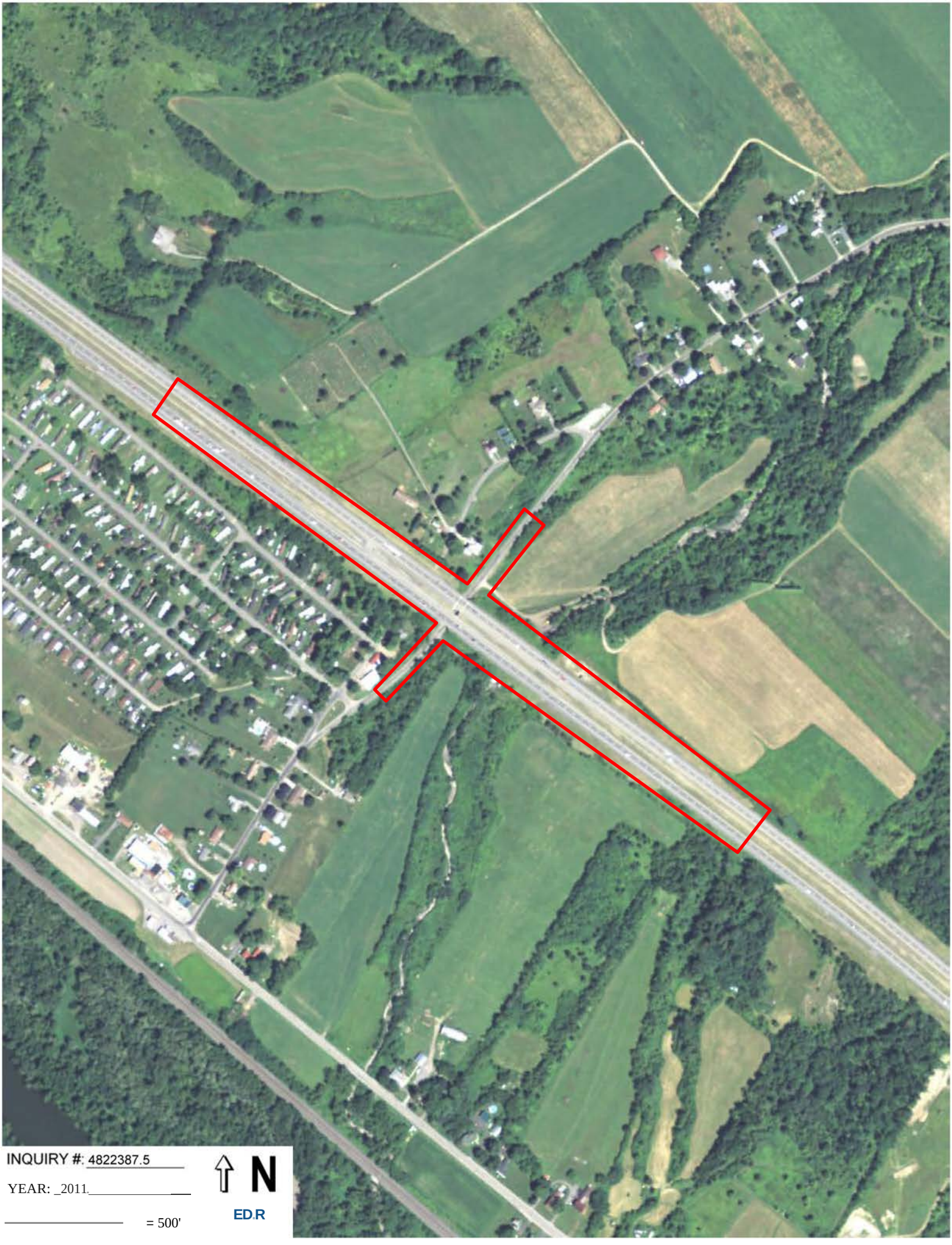
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

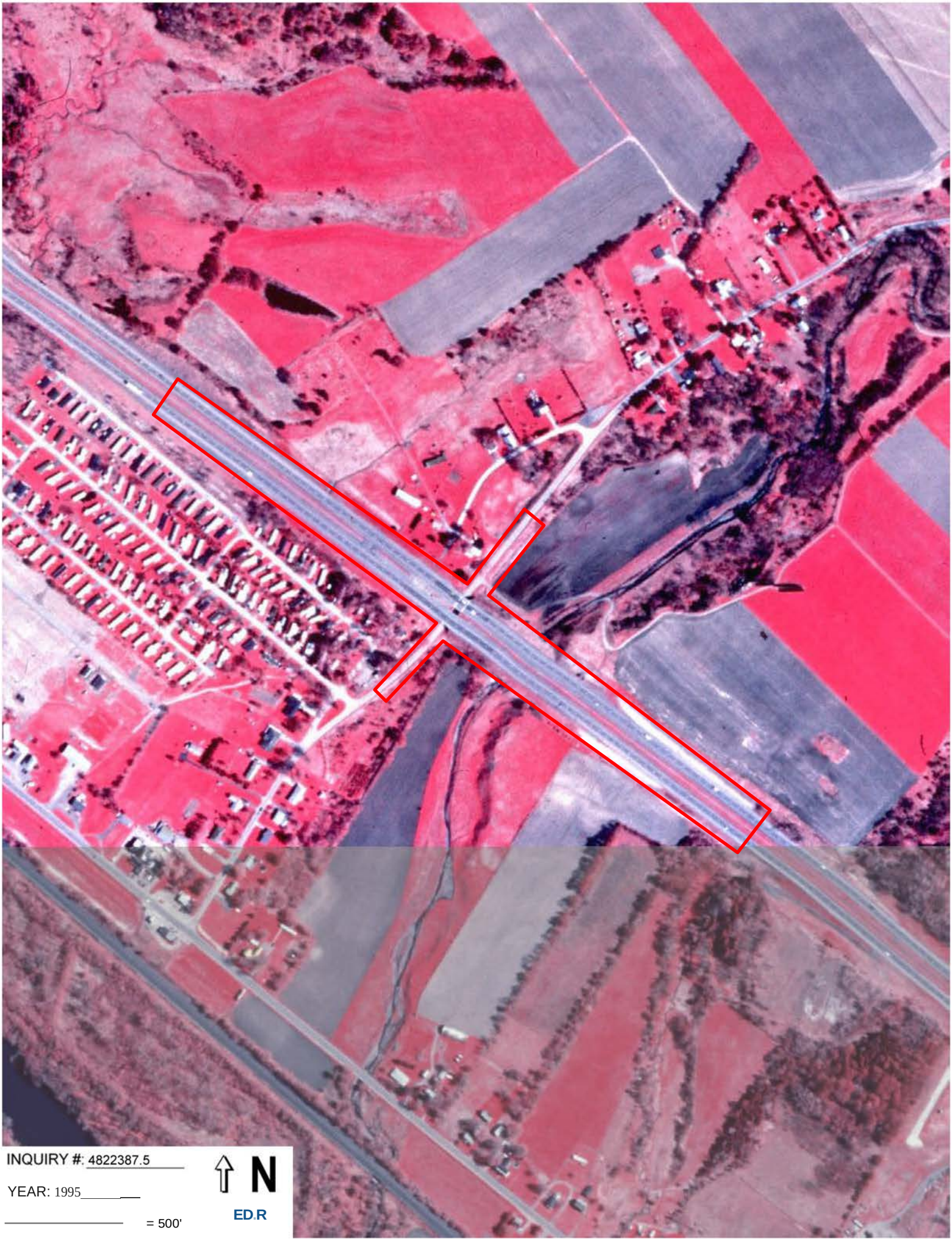
EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.


INQUIRY #: 4822387.5
YEAR: 2011
= 500'
N
ED.R

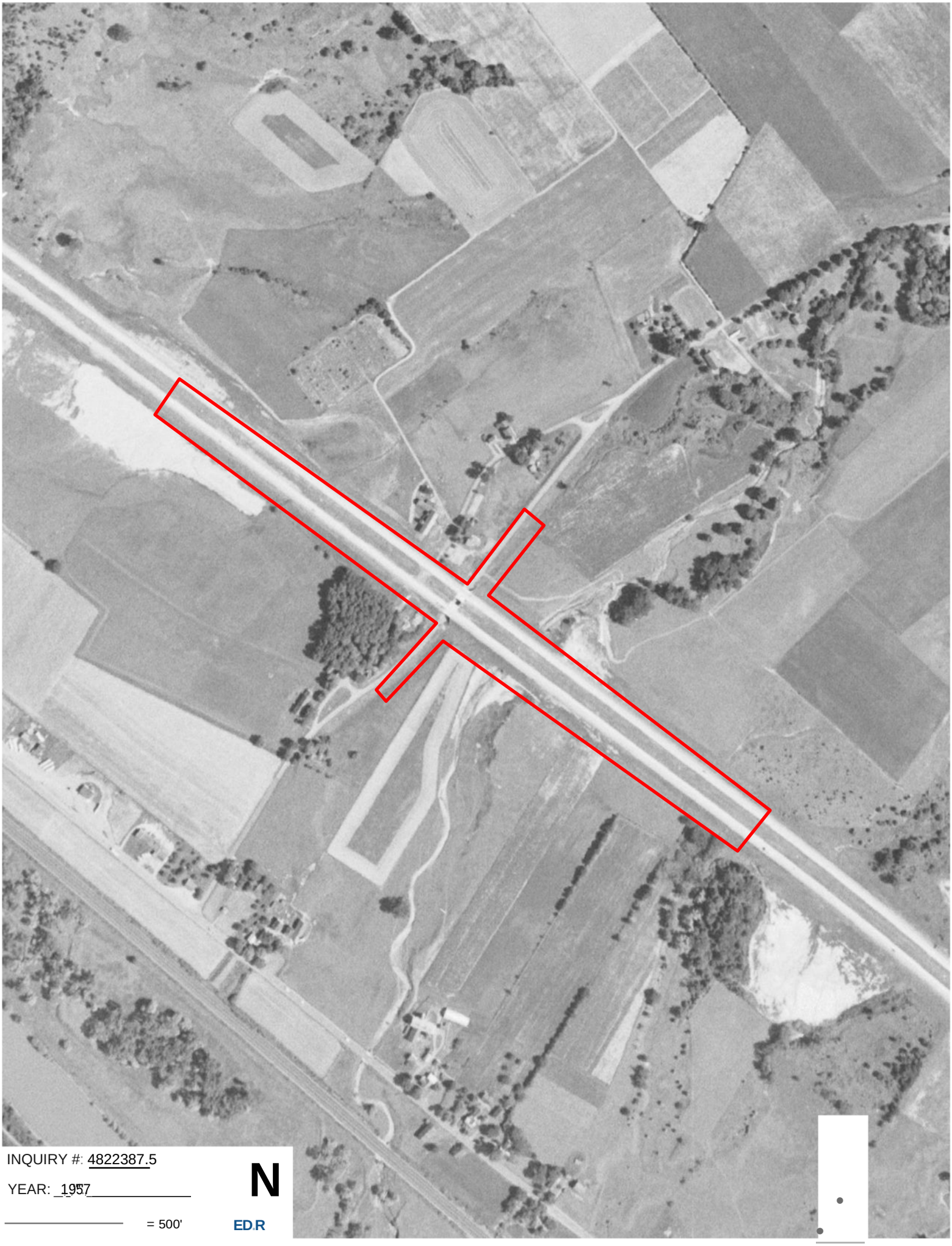

INQUIRY #: 4822387.5
YEAR: 2009
= 500'
N
ED.R


INQUIRY #: 4822387.5
YEAR: 2008
= 500'
N
ED.R


INQUIRY #: 4822387.5
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 4822387.5
YEAR: 1995
= 500'
N
EDR


INQUIRY #: 4822387.5
YEAR: 1985
= 500'
N
EDR


INQUIRY #: 4822387.5
YEAR: 1957
N
= 500'
EDR

HAZARDOUS WASTE/CONTAMINATED MATERIALS SCREENING (FINAL)

Replacement of Syracuse Division Bridges

Milepost 225.48 & 225.49: County Road 53, EB & WB

EB BIN 5516072; WB BIN 5516071

Town of Schuyler, Herkimer County, New York

Prepared for:

New York State Thruway Authority
200 Southern Blvd.
P.O. Box 189
Albany, NY 12201-0189

Stantec
61 Commercial Street, Suite 100
Rochester, NY 14614
www.stantec.com

Prepared by:

Environmental Design & Research,
Landscape Architecture, Engineering, & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1000
Syracuse, New York 13202
www.edrdpc.com

February 2017

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1

LIMITATIONS 1

1.0 INTRODUCTION 2

2.0 METHODOLOGY 2

2.1 Site Inspection 2

2.2 Past and Current Land Use Research 2

2.3 Records Review 3

3.0 FINDINGS 3

3.1 Site Inspection Findings 3

3.2 Past and Current Land Use Research Findings 4

3.3 Records Review Findings 4

3.4 Locations of Concern 5

4.0 CONCLUSIONS AND RECOMMENDATIONS 5

REFERENCES 7

Attachments
Appendix A: Figures
Appendix B: Site Photographs
Appendix C: Sanborn Maps – No Coverage
Appendix D: Historic and Recent Aerial Photographs

EXECUTIVE SUMMARY

A Hazardous Waste/ Contaminated Materials Screening was conducted for the New York State Thruway bridges over County Road 53 (Millers Grove Road), at Mile Point (MP) 224.48 and 225.49 on the New York State Thruway (Interstate 90), in the Town of Schuyler, Herkimer County, New York (BINs 5516072 and 5516071). The screening is focused on a Study Area extending approximately 1,500 feet in both the northwest and southeast directions along the Thruway from the bridge, as well as a 500-foot corridor in both the northeast and southwest directions along County Road 53. The Study Area was defined by Stantec. This screening included a review of available records and a Study Area walkover inspection, which was conducted on November 2, 2016. The purpose of this screening is to identify potential areas of environmental concern that may be disturbed during construction.

Based on the information reviewed for this screening, no items of environmental concern were identified for the Study Area.

The following report discusses the complete findings of the Hazardous Waste/ Contaminated Materials Screening.

LIMITATIONS

The findings presented in this screening are based on a description of project activities provided by Stantec, observations noted on the date of the site reconnaissance, and the accuracy and timeliness of the published databases and government records. Should any of the proposed project components change, so may the findings of this screening. Additionally, while this investigation was performed in accordance with the New York State Thruway Authority (NYSTA) Scope of Services provided by Stantec, good commercial and customary practice, and generally accepted protocols, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C. (EDR) cannot guarantee that the property is free of hazardous substances or other materials or conditions. The presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or groundwater samples, which was beyond the scope of this investigation.

This screening was prepared for the exclusive use of Stantec and the NYSTA, and should not be reproduced or disseminated without the written approval of EDR. Use of this report in whole or in part by parties other than Stantec and the NYSTA is prohibited.

1.0 INTRODUCTION

EDR, as sub-consultant to Stantec has been retained to perform a Hazardous Waste/ Contaminated Materials Screening for the New York State Thruway bridges over County Road 53, at MP 224.48 and MP 225.49 on the New York State Thruway, in the Town of Schuyler, Herkimer County, New York. The screening is focused on a Study Area, defined by Stantec, which extends approximately 1,500 feet in both the northwest and southeast directions along the Thruway from the bridge, as well as a 500-foot corridor in both the northeast and southwest directions along County Road 53.

The NYSDOT *Environmental Manual (TEM)* Chapter 4.4.20 was utilized for guidance during this assessment. The project location is indicated on the Regional Project Location Map (Figure 1), and the Study Area is identified on the Site Location Map (Figure 2).

As described in the NYSTA Scope of Services provided by Stantec, this preliminary screening is a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials.

2.0 METHODOLOGY

This assessment included a walkover reconnaissance of the Study Area, a review of existing information about past and current land use, and a review of published databases and government records, including Inactive Hazardous Waste Site Registry, Chemical and Petroleum Bulk Storage records, waste incident/chemical releases reports, and other federal, state, county, and local sources of information (see References). In January 2017, Environmental Data Resource, Inc. was contracted by EDR to provide a listing of published databases of hazardous waste sites in the vicinity of the Study Area. These databases provide a listing of sites of potential concern as identified by a review of Federal, State and local databases. This database review was supplemented with a review of published databases available through the New York State Department of Environmental Conservation (NYSDEC) web site. The environmental database report is available upon request.

2.1 Site Inspection

A walkover site reconnaissance of the Study Area was conducted on November 2, 2016. The walkover was performed in an attempt to identify visual evidence of contamination such as: discolored or stained soil, stressed or dead vegetation, spills, leaks, leachate or discolored water, air emissions or odors, evidence of previous fires, and evidence of oil sheens on water. In addition, the walkover included a visual survey that attempted to identify whether the following are present within the Study Area: underground or aboveground tanks, vent/fill pipes, well casings or riser pipes from monitoring wells, refueling or pump islands, drums or chemical containers, discarded transformers or transformer pads, surface impoundments or lagoons, landfills or dumps, dumpsters or bulk solid waste, railroad tracks or railyards, sumps, drywells, or septic systems.

2.2 Past and Current Land Use Research

Historical mapping and aerial photography are utilized as part of the Hazardous Waste/ Contaminated Materials screening as they serve as an historical reference to prior land use. Historical mapping and aerial photography was reviewed to identify locations where past use(s) could be considered an environmental concern. Examples of how a past land usage

could lead to an environmental concern is the presence of contaminated soils from a former filling station, automotive repair shop, large manufacturing plant, chemical plant, drycleaner, etc. Based on the location of such sites with respect to the Study Area and the specific past land use, the need for further investigation may be eliminated or warranted.

The following resources were researched to establish the past and current land use within the Study Area:

Sanborn Map Review – According to the Environmental Data Resource, Inc., the Study Area is unmapped on Sanborn maps. The Data Resource report states: *This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found* (see Appendix C).

Aerial Photographs - Aerial photographs taken in 1957, 1985, 1995, 2006, 2008, 2009, and 2011 supplied by Environmental Data Resource, Inc. were reviewed. These aerial photographs are included in Appendix D. Supplemental aerial photography from Google Earth for the years 1995, 2003, 2006, 2008, 2009, 2011 and 2015 was also reviewed.

2.3 Records Review

A review of Federal, State and local Environmental databases was conducted. Environmental Data Resource, Inc. was contracted by EDR to provide a comprehensive review of Federal, State and local listed data on potential hazardous waste sites in the vicinity of the Study Area. The environmental database report is available upon request. This data search was performed in accordance with ASTM E-1527-05 standards for minimum search distance. The use of the database report allows for a comprehensive listing of sites of potential concern.

United States Environmental Protection Agency (USEPA) and NYSDEC online databases were reviewed and cross-referenced as part of the review process to supplement the environmental database review referenced above.

3.0 FINDINGS

The project is located in the Town of Schuyler, Herkimer County, New York (Figure 2). The project includes the replacement of the existing New York State Thruway bridges (BINs 5516072 and 5516071) over County Road 53 at MP 225.48 and 225.49. According to Stantec, the purpose of the project is to improve traffic operations and safety of these Thruway bridges.

3.1 Site Inspection Findings

The Study Area was observed to be occupied primarily by the mainline of the New York State Thruway (I-90), a built-up interstate highway which passes over County Road 53 (Miller's Grove Road) in the center of the Study Area. The northeast-southwest oriented portion of the Study Area is occupied by County Road 53. No buildings are located within the Study Area, and no evidence of underground or aboveground tanks, chemical storage/drums, or other evidence of hazardous material releases were observed during the site walkover.

The area is generally flat, with a slight slope down to the southeast. Bridenbecker Creek flows to the south through the eastern portion of the Study Area. A concrete culvert allows the creek to flow under the Thruway to its confluence with the

Mohawk River, which is located approximately 0.5-mile south of the Study Area and flows to the east. Groundwater at the Study Area is expected to generally flow to the south/southeast toward the Mohawk River.

The Study Area is occupied by public roadways, the New York State Thruway, and adjacent roadway vegetation. Limited solid waste debris was observed along the side of County Road 53 and the Thruway within the Study Area; however, significant dumping was not noted at the time of the site reconnaissance.

Properties in the immediate vicinity of the Study Area include:

- A residential manufactured home development known as the Country Meadows Mobile Home Park is located southwest of the bridge intersection.
- Residences are located at the northwest corner of the intersection of the Thruway and County Road 53. Beyond the residences are landscaped areas and undeveloped fields, followed by a cemetery further west.
- Undeveloped fields interspersed with wooded areas are located to the northeast and southeast of the bridge intersection.

Photographs obtained during the walkover site inspection of the Study Area are included in Appendix B.

3.2 Past and Current Land Use Research Findings

Aerial photographs taken in 1957, 1985, 1995, 2006, 2008, 2009, and 2011 supplied by Environmental Data Resource, Inc. were reviewed.

The historic and recent aerial photographs for the Study Area (Appendix D) identified the following:

- In 1957, the Study Area was occupied by the New York State Thruway and County Road 53. Surrounding properties were largely undeveloped farm fields and wooded areas, with a few scattered residences located in the area.
- In 1985, the Study Area and vicinity were largely consistent with 1957, except that the residential manufactured home development to the southwest of the Study Area had been constructed by this time.
- Between 1995 and 2011, the aerial photographs of the Study Area show conditions largely similar to present. The Thruway and County Road 53 occupy the Study Area, and scattered residents and farm fields occupy the surrounding areas.

Additional discussion of the findings of the historical mapping and aerial photography review is included in the discussion of the properties and/or locations of concern in Section 3.3 of this report, if warranted.

3.3 Records Review Findings

Table 1 summarizes the information available through the Environmental Data Resource, Inc. database search and supplemented through a review on line databases, an understanding of the Study Area, and a site reconnaissance.

Table 1: Environmental Records Review

Standard Environmental Record Sources	Minimum Search Distance – ASTM Standard: miles (kilometers)	No. of Listed Properties[1]
Federal NPL Site List	1.0 (1.6)	0
Federal Delisted NPL Site List	0.5 (0.8)	0
Federal CERCLIS List (SEMS)	0.5 (0.8)	0
Federal CERCLIS NFRAP Site List (SEMS Archive)	0.5 (0.8)	0
Federal RCRA CORRACTS Facilities List	1.0 (1.6)	0
Federal RCRA non-CORRACTS TSD Facilities List (RCRA-TSDF)	0.5 (0.8)	0
Federal RCRA Generators List	Property and adjoining properties only	0
Federal Institutional Control/ Engineering Control Registries	Property only	0
Federal ERNS List	Property only	0
State equivalent NPL	1.0 (1.6)	0
State equivalent CERCLIS (Inactive Hazardous Waste Disposal Sites – SHWS)	0.5 (0.8)	0
State Landfill and/or Solid Waste Disposal Site Lists (Solid Waste Facility/Landfill – SWF/LF)	0.5 (0.8)	0
State Leaking Storage Tank Lists (LTANKS)	0.5 (0.8)	0
State Registered Storage Tank Lists (UST/AST)	0.25 (0.4)	0
State Institutional Control/Engineering Control Registries	Property only	0
State Voluntary Cleanup Sites	0.5 (0.8)	0
State Brownfield Sites	0.5 (0.8)	0
Additional Environmental Record Sources:		
Federal FINDS	Property only	0
Local List of Registered Storage Tanks (NY HIST UST/AST)	0.25 (0.4)	0
State Leaking Storage Tank Lists (HIST LTANKS)	0.5 (0.8)	0
NY Spills	0.125 (0.2)	0
Federal RCRA – NonGen	0.25 (0.4)	0
State Manifest Records	0.25 (0.4)	0

[1]Sites may be listed in more than one database.

3.4 Locations of Concern

Based on the site inspection and records review, no sites were identified which are expected to pose a negative impact on the proposed project.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the information reviewed and the site inspection, no items of environmental concern were identified.

Note that this preliminary screening is intended to be a general review to identify properties within the right-of-way or in close proximity to the project that could contain or be a source of hazardous wastes or contaminated materials. The findings presented in this screening are based on the proposed project activities, observations noted at the time of the site walkover, and the accuracy and timeliness of the published databases and government records. Should any of the proposed project components change, so may the findings of this report. As noted in the Limitations section above, EDR

cannot guarantee that the property is free of hazardous substances or other materials or conditions. The presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil and/or groundwater samples, which was beyond the scope of this investigation.

REFERENCES

Environmental Data Resources, Inc. 2017. *The EDR Radius Map Report with GeoCheck.* January 6, 2017.

Environmental Data Resources, Inc. 2017. *Certified Sanborn Map Report.* January 6, 2017 (Appendix C).

Environmental Data Resources, Inc. 2017. *The EDR Aerial Photo Decade Package*. January 9, 2017 (Appendix D).

New York State Department of Environmental Conservation. 2017. *Spills Incident Database Search*. Available at: https://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=2

New York State Department of Environmental Conservation. 2017. *Bulk Storage Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=4

New York State Department of Environmental Conservation. 2017. *Environmental Site Remediation Database Search.* Available at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3

Environmental Protection Agency. 2016. *National Priorities List (NPL) Sites – by State*. Available at: https://www.epa.gov/superfund/national-priorities-list-npl-sites-state

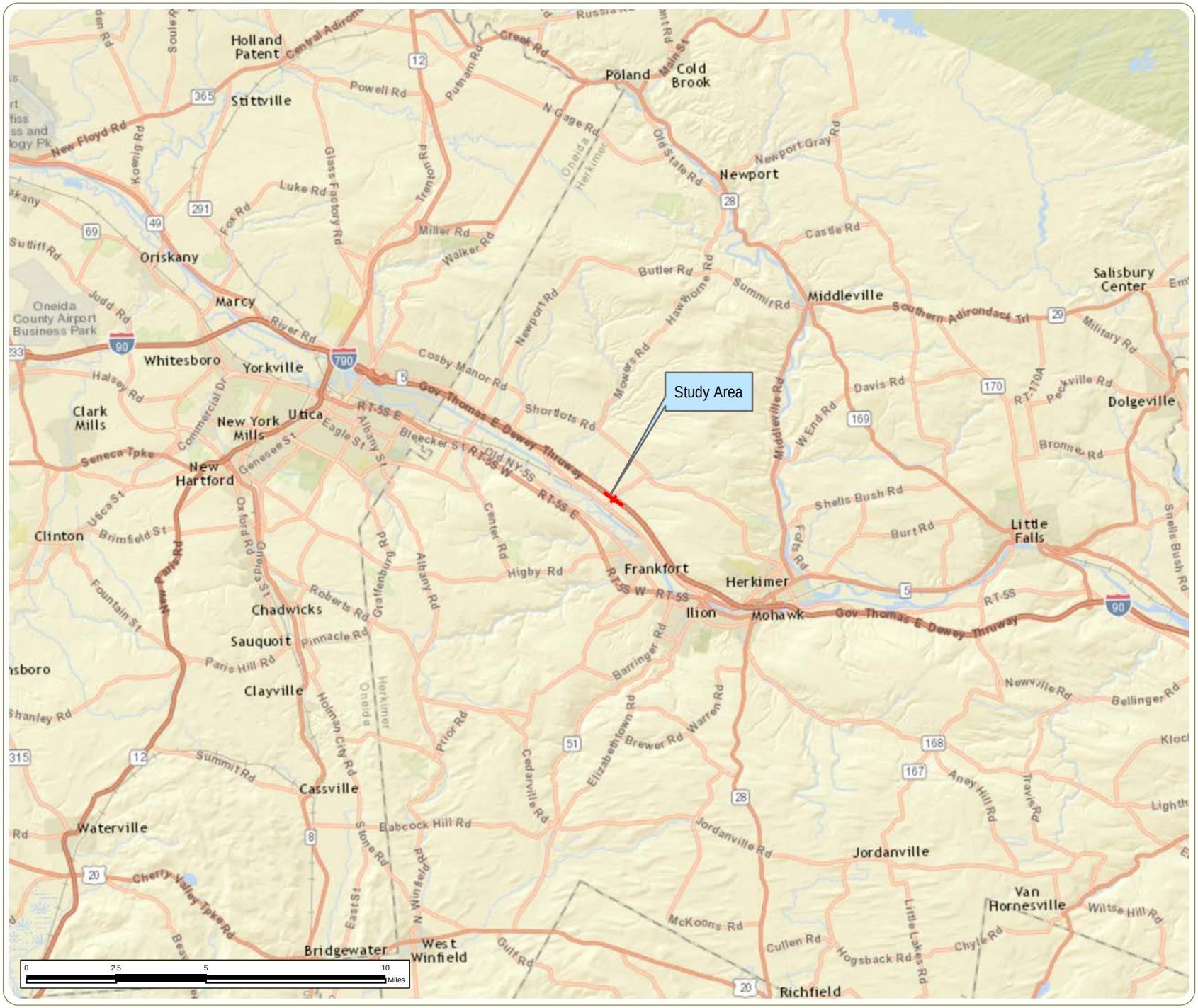
Appendix A: Figures

Replacement of Syracuse Division Bridges

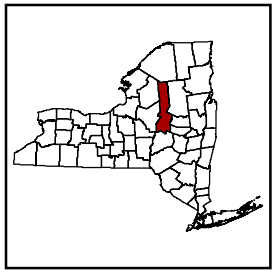
Town of Schuyler,
Herkimer County, New York

Figure 1. Regional Project Location - County Road 53, EB and WB, Schuyler, NY, MP 225.48
(EB BIN 5516072)
(WB BIN 5516071)

January 2017



Study Area



Notes:
1. Basemap: ESRI ArcGIS Online "World Street Map" Map Service.
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

www. edrdpc. com



Replacement of Syracuse Division Bridges

Town of Schuyler,
Herkimer County, New York

Figure 2. Study Area - County Road 53, EB and WB, Schuyler, NY, MP 225.48 (EB BIN 5516072) (WB BIN 5516071)

January 2017

Study Area

Notes:
1. Basemap: ESRI ArcGIS Online "World Map" Map Service
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

www. edrdpc. com

Appendix B: Site Photographs



Photo 1

View toward Thruway bridge over CR 53, facing SW.



Photo 2

View facing North along CR 53, with residence to the NW of the Project Site.



Photo 3

View toward Thruway bridge over CR 53, facing NE.



Photo 4

View facing SW along Thruway.

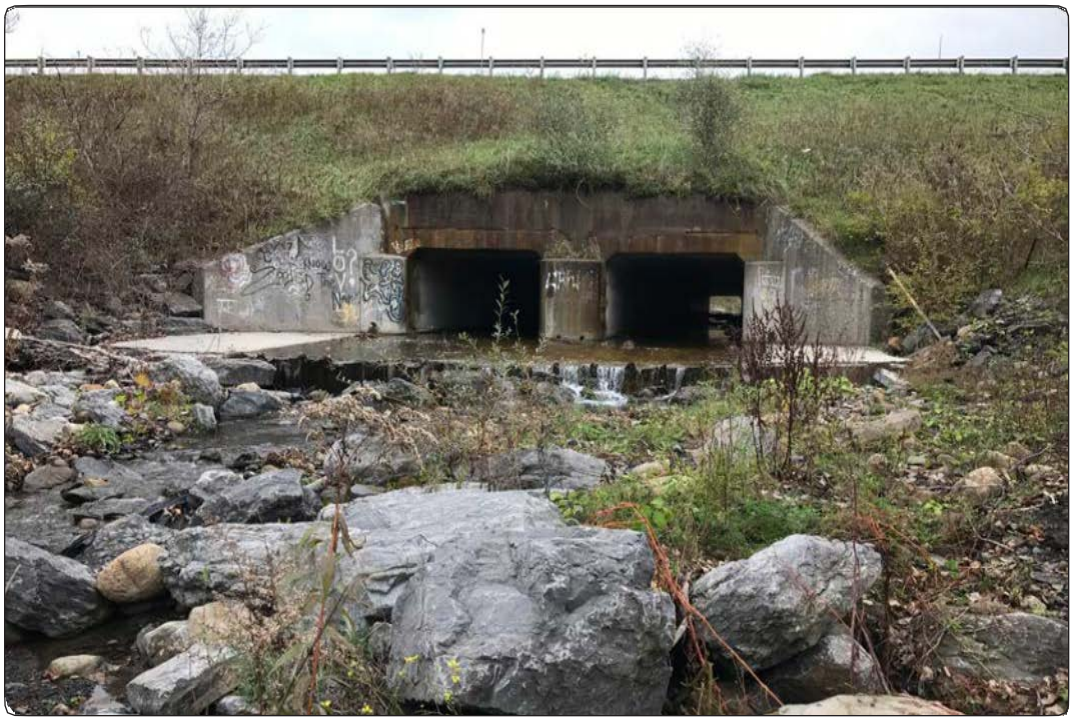


Photo 5

View of culvert that carries Bridenbecker Creek under Thruway.



Photo 6

View of Bridenbecker Creek from culvert, facing South.

Appendix C: Sanborn Maps – No Coverage

MP 225.48 & MP 225.49

County Road 53/ I 90

Frankfort, NY 13340

Inquiry Number: 4822387.3

January 06, 2017

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

01/06/17

Site Name:	Client Name:
MP 225.48 & MP 225.49	Environmental Design & Research, d.p.c
County Road 53/ I 90	217 Montgomery Street
Frankfort, NY 13340	Syracuse, NY 13202
EDR Inquiry # 4822387.3	Contact: Caitlin Graff

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Environmental Design & Research, d.p.c were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # BF70-4484-88C8

PO # NA

Project 16134-2

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: BF70-4484-88C8

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Appendix D: Historic and Recent Aerial Photographs

MP 225.48 & MP 225.49

County Road 53/ I 90

Frankfort, NY 13340

Inquiry Number: 4822387.5

January 09, 2017

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

01/09/17

Site Name:

MP 225.48 & MP 225.49
County Road 53/ I 90
Frankfort, NY 13340
EDR Inquiry # 4822387.5

Client Name:

Environmental Design & Research, d.p.c
217 Montgomery Street
Syracuse, NY 13202
Contact: Caitlin Graff

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

Search Results:

Year	Scale	Details	Source
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1995	1"=500'	Acquisition Date: May 08, 1995	USGS/DOQQ
1985	1"=500'	Flight Date: May 08, 1985	USGS
1957	1"=500'	Flight Date: July 08, 1957	USGS

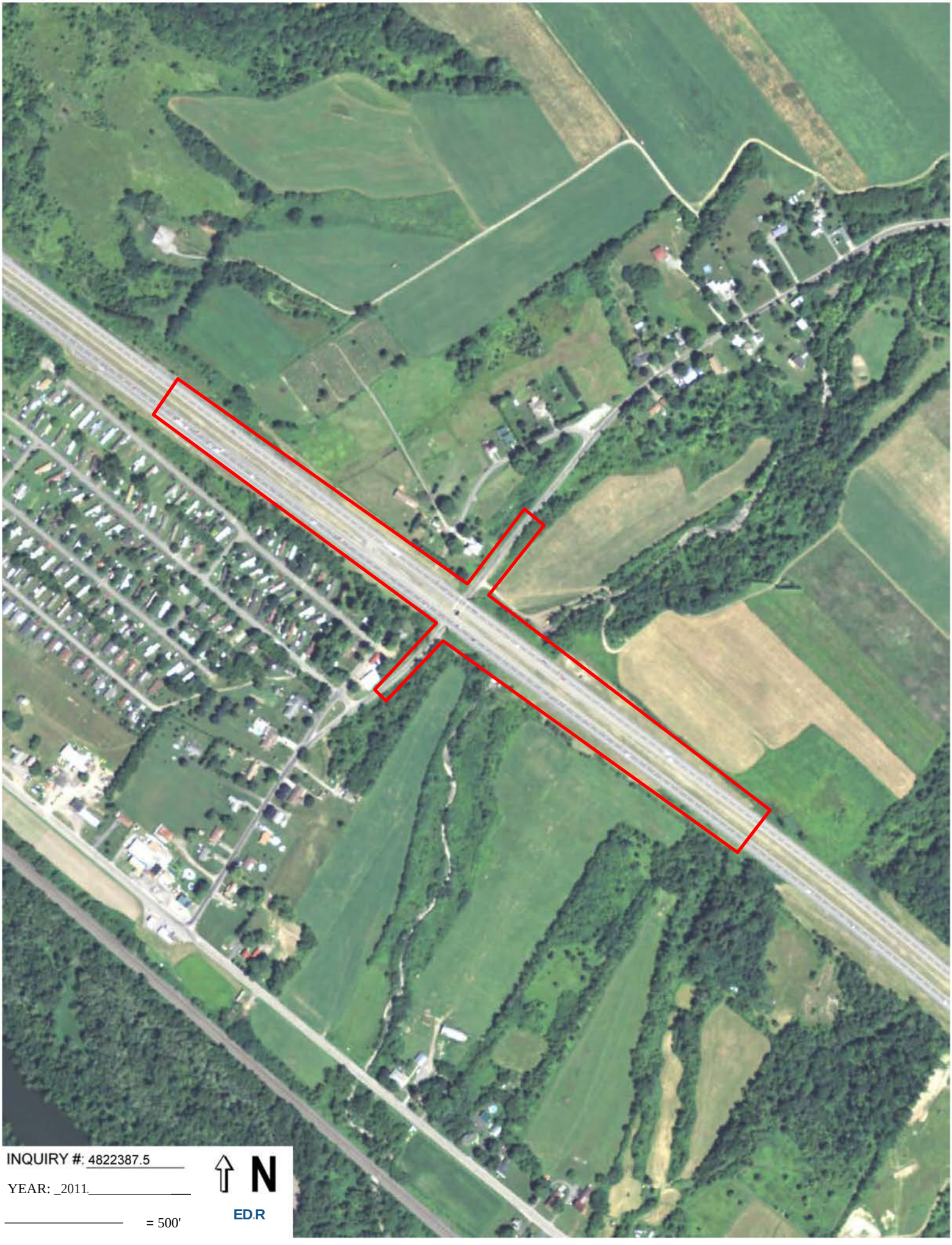
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

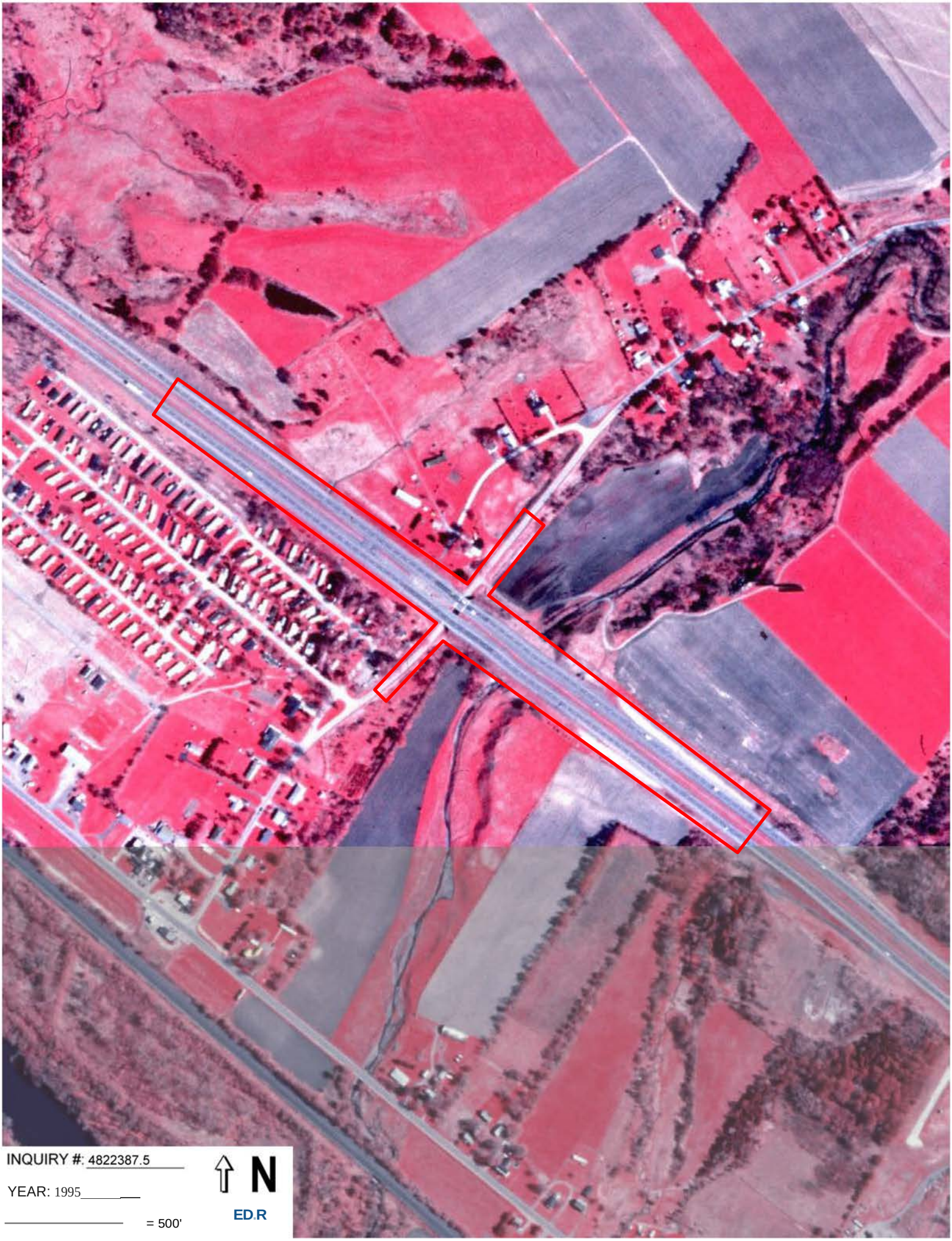
EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.


INQUIRY #: 4822387.5
YEAR: 2011
= 500'
N
ED.R

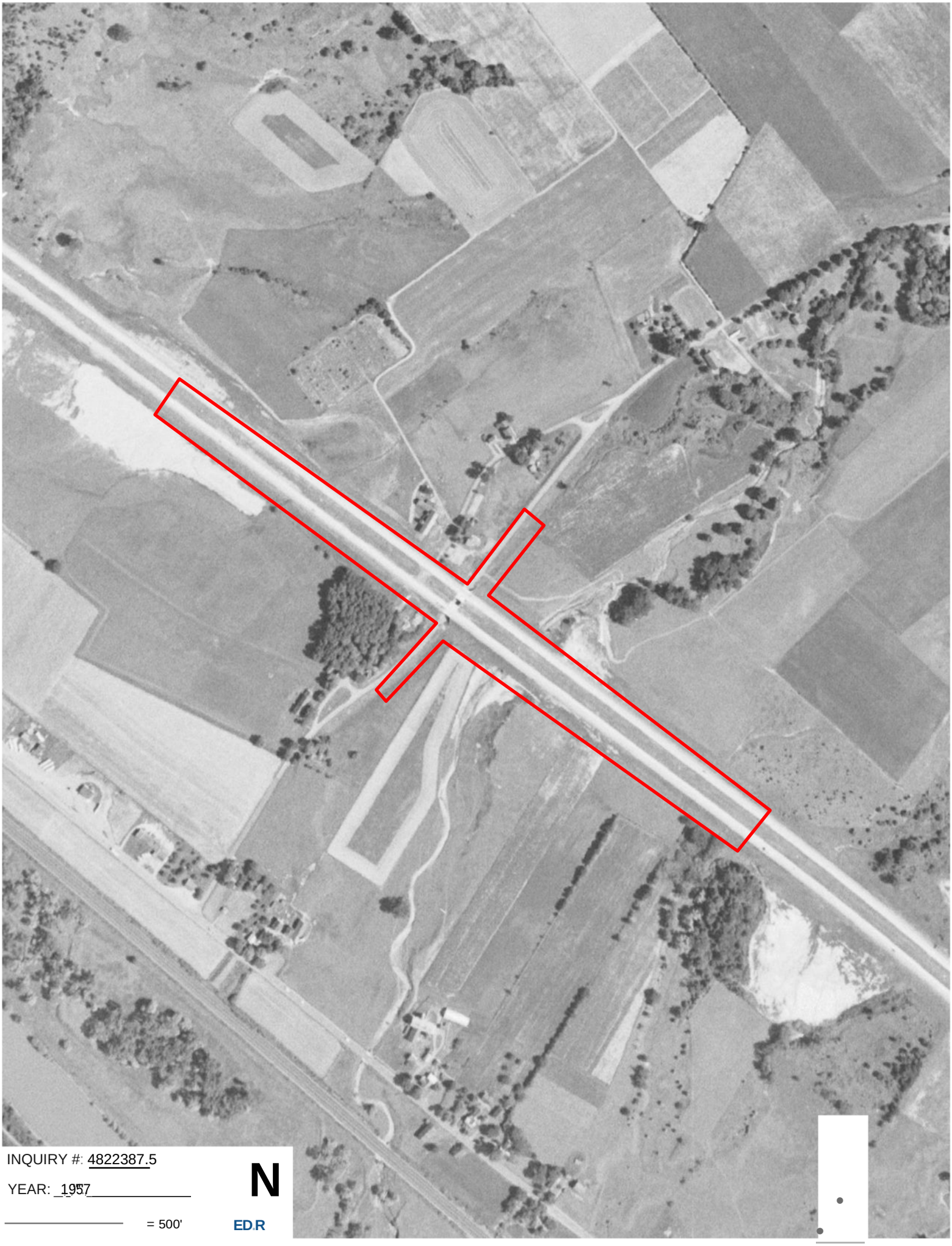

INQUIRY #: 4822387.5
YEAR: 2009
= 500'
N
ED.R


INQUIRY #: 4822387.5
YEAR: 2008
= 500'
N
ED.R


INQUIRY #: 4822387.5
YEAR: 2006
= 500'
N
EDR

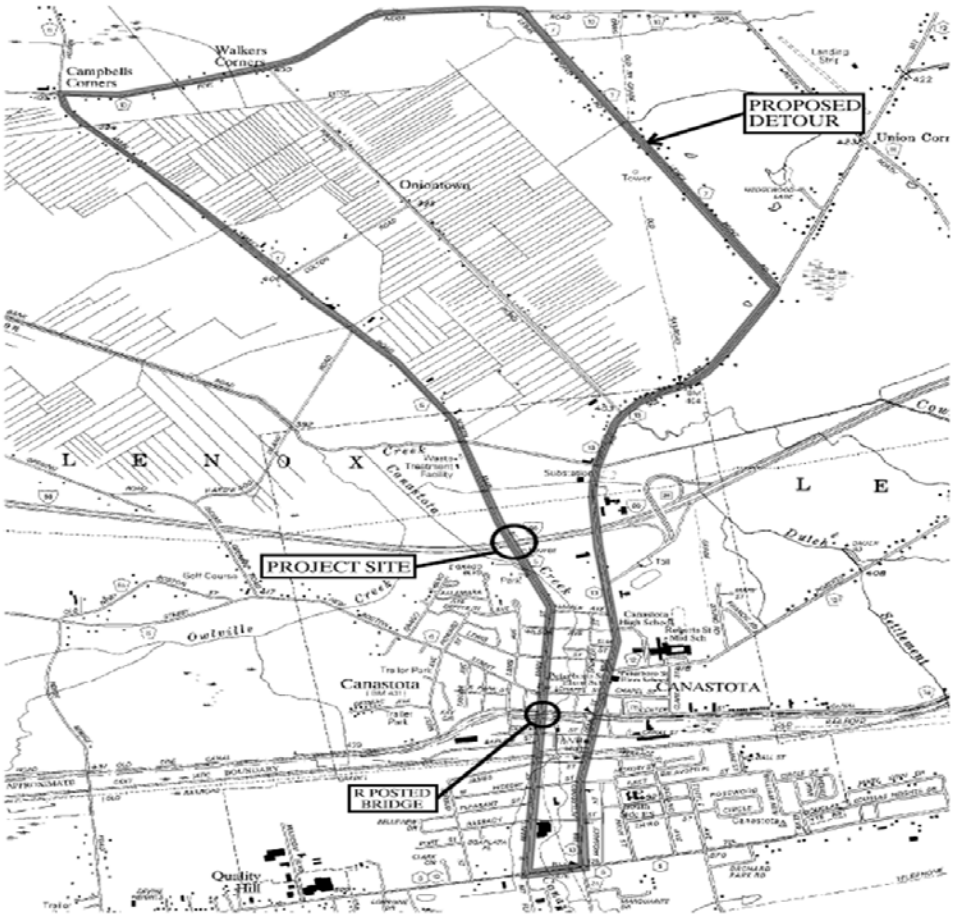

INQUIRY #: 4822387.5
YEAR: 1995
= 500'
N
EDR


INQUIRY #: 4822387.5
YEAR: 1985
= 500'
N
EDR


INQUIRY #: 4822387.5
YEAR: 1957
N
= 500'
EDR

ENGINEERING DATA

Attachment 2: Approved Detour Maps



NEW YORK STATE OF OPPORTUNITY. | Thruway Authority

PROPOSED DETOUR

TITLE: NORTH MAIN ST. BRIDGE REPLACEMENT
CANASTOTA, NY

DRWN BY: TA ..... CHKD BY: TA	DATE: JUNE 2017	SCALE: N.T.S.	DWG. NO. DET-01

Stantec

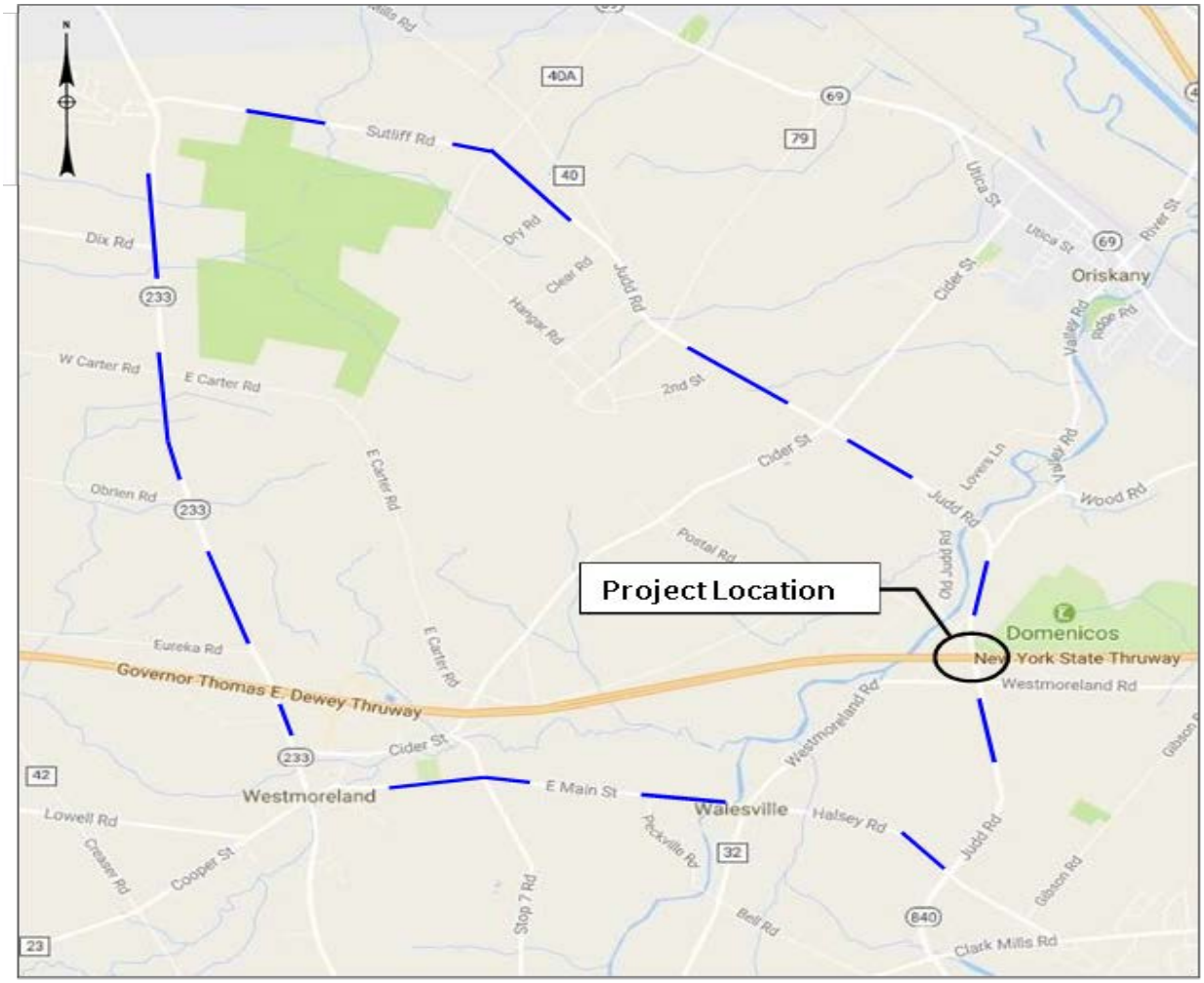


FIGURE 3 - DETOUR MAP

NEW YORK STATE THRUWAY AUTHORITY

Judd Rd. over I-90 Bridge Replacement