



September 18, 2013

LTI Enterprises LLC
304 Settlers Drive
Lawrence, Kansas 66049

Subject: **(AMENDED)**
Environmental Site Assessment Services
Pine Farm Property
1777 East 1550 Road and 1783 East 1500 Road, Lawrence, Kansas

Dear Mr. Moore:

Patriot Abatement Services LLC is submitting the enclosed Phase I Environmental Site Assessment (ESA) report for the property located at 1777 East 1500 Road and 1783 East 1500 Road, Lawrence, Kansas 66044. The goal of the Phase I ESA is to identify recognized environmental conditions to the subject property. This Phase I ESA was completed in accordance with industry standard practice for Phase I Environmental Site Assessments.

If you have any questions or comments regarding this submittal, please call Greg sharp at (785) 727-8977.

Sincerely,

Greg Sharp,
Senior Project Manager

Enclosures

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**Pine Farm
1777 East 1500 East Road and
1783 East 1500 Road
Lawrence, Kansas 66044**

Prepared For:

LTI Enterprises LLC
304 Settlers Drive
Lawrence, Kansas 66049

June 18, 2013

Prepared By:



Patriot Abatement Services
PO Box 2226
Olathe, Kansas 66051



September 18, 2013

LTI Enterprises LLC
304 Settlers Drive
Lawrence, Kansas 66049

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EXECUTIVE SUMMARY

Patriot Abatement Services LLC (PAS) was tasked by the LTI Enterprises LLC to conduct a Phase I Environmental Site Assessment (ESA) of the property located at 1777 and 1783 East 1500 East Road (subject property; see appendix E for legal descriptions). The future use of the subject property is unknown; however, assumedly the site may be redeveloped for any type of use, including residential, and some or all of the existing structures may be renovated or converted for such use. PAS conducted this ESA in general accordance with the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM International (ASTM) designation E 1527-05, and otherwise in compliance with U.S. Environmental Protection Agency (EPA) "All Appropriate Inquiries" Rule (AAI Rule) (40 *Code of Federal Regulations* [CFR] Part 312).

The purposes of the ESA are to identify recognized environmental conditions (REC) to the subject property and to identify the nature of contamination and the risks posed by the contamination, if present. RECs include the presence or likely presence of any hazardous substances or petroleum products, even under conditions that comply with applicable laws, that present a material risk of harm to public health or the environment (ASTM 2005 [Section 1.1.1 E]).

The subject property includes a residential house and farmland in Lawrence, Kansas, Douglas County, Kansas.

The Phase I ESA generated the following findings:

- Based on the age of the building on the subject property, lead-based paint (LBP) and asbestos-containing building materials (ACBM) were not likely used in its construction. The house was built around 2000.
- A review of current environmental databases indicated that the subject property or none of the nearby properties poses a REC to the subject property.
- All the historical documents reviewed identify the historical use of the subject property as farmland back to 1948.

Based on these findings, PAS recommends the following:

No Further Action is needed for subject property.



1.0 INTRODUCTION

Patriot Abatement Services LLC (PAS) was tasked by the LTI Enterprises LLC to conduct a Phase I Environmental Site Assessment (ESA) of the property located at 1777 East 1500 East Road and 1783 East 1500 East Road (subject property). The future use of the subject property is unknown; however, assumedly the site may be redeveloped for any type of use, including residential, and some or all of the existing structures may be renovated or converted for such use.

PAS conducted this ESA of the subject property in accordance with the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM International (ASTM) designation E 1527-05, and otherwise in compliance with U.S. Environmental Protection Agency (EPA) "All Appropriate Inquiries" Rule (AAI Rule) (40 *Code of Federal Regulations* [CFR] Part 312). For the purpose of this ESA, the *users* are defined as the City and other future prospective purchasers, developers, and financing entities (ASTM 2005 [Section 3.2.93]). LTI Enterprises LLC tasked PAS to conduct an ESA of the subject property to identify recognized environmental conditions (REC) to the subject property and identify the nature of contamination and the risks posed by the contamination, if present (see Appendix A).

For the purpose of this ESA, the subject property is defined as the property located at 1783 East 1500 Road, Douglas County, Lawrence, Kansas. A full description of the subject property appears in Section 2.0.

1.1 PURPOSE

The goal of this ESA is to identify RECs to the subject property. RECs are the presence or likely presence of any hazardous substances or petroleum products on a subject property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into structures on the subject property or into the ground, groundwater, or surface water of the subject property. The term includes hazardous substances or petroleum products, even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally

would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies (ASTM 2005 [Section 1.1.1]). Historical recognized environmental conditions (HREC) are environmental conditions that in the past would have been considered RECs, but that may or may not be considered RECs currently (ASTM 2005 [Section 3.2.39]).

This ESA is intended to satisfy one of the requirements for the innocent landowner defense, the contiguous property exemption, and the bona fide prospective purchaser exemption to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability: that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the subject property consistent with good customary practice," as defined in 42 U.S. Code Section 9601 (35) (B).

1.2 SCOPE OF WORK

LTI Enterprises LLC requested that PAS perform a Phase I ESA on the subject property. Phase I ESAs typically are conducted in a four-phase process, including: (1) records review; (2) site reconnaissance; (3) interviews with current and previous owners and occupants of the subject property, adjacent property owners and occupants, and local government agencies; and (4) preparation of a report. Any items listed in the ASTM standard that the report does not specifically identify as present can be assumed not present within a subject property or within such distance to the subject property as to be of potential concern to the subject property. Any item mentioned but not specifically identified as a REC can be assumed not a REC.

1.3 SIGNIFICANT ASSUMPTIONS

The following are beyond the scope of this evaluation: sampling and analysis for radon in indoor air, and for asbestos and lead in water, soil, groundwater, and building materials (if any); evaluations of indoor and/or outdoor air quality, regulatory compliance, industrial hygiene, and noise impacts; and identification of geological or geotechnical hazards.

1.4 DEVIATIONS

Deletions or deviations from ASTM E 1527-05 are as follows. For each deviation noted, the PAS Environmental Professional (EP) has conducted an analysis of the data gaps or failures, and impacts of these on PAS's ability to render an opinion regarding conditions indicative of releases or threatened releases of petroleum products or hazardous substances.

- PAS did not perform an environmental lien search for the completion of this report, but no environmental liens were noted in the documentation provided by the users.

1.5 LIMITATIONS AND EXCEPTIONS

This report was based partially on information supplied to PAS from outside sources and on other information available in the public domain. The conclusions and opinions reported herein are based on the information PAS obtained in compiling the report. This information is on file at PAS's office in Olathe, Kansas. PAS makes no warranty as to the accuracy of statements made by others which may be contained in the report, nor are any other warranties or guarantees, expressed or implied, included or intended by the report except that it has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professional consultants or firms performing the same or similar services. Because the facts forming the basis for the report are subject to professional interpretation, differing conclusions could be reached. PAS does not assume responsibility for the discovery and elimination of hazards that could possibly cause accidents, injuries, or damage. Compliance with submitted recommendations or suggestions does not assure elimination of hazards or the fulfillment of the client's obligations under local, state, or federal laws or any modifications or changes to such laws. None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature, but shall be a representation of findings of fact from records examined.

1.6 SPECIAL TERMS AND CONDITIONS

There were no special terms or conditions for the ESA.

1.7 STATEMENT OF USER RELIANCE

PAS is not required to verify independently the information provided to it by the users or gathered throughout the course of this ESA. For this ESA, LTI and other future prospective purchasers, developers and financing entities may rely on information provided unless actual knowledge is possessed that certain information is incorrect based on additional data obtained during the ESA or otherwise known by the person preparing this report.

2.0 SITE DESCRIPTION

This section provides a brief description of the subject property and the physical setting based on information obtained from LTI and a records review prior to the site reconnaissance. Observations during the site reconnaissance regarding current land use of the subject property and adjoining property are described in Section 4.0.

2.1 SITE LOCATION AND LEGAL DESCRIPTION

For the purposes of the ESA, the subject property consists of one tract of land located in Lawrence, Kansas (see Figure 1, Appendix A). The building on the subject property is a single family residential property. The legal description for the subject property are in Appendix E.

2.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The subject property is part of an undeveloped area used a farmland. The subject property is bounded on the north by farmland; on the east by farmland, on the south by Interstate 70, Pine's Nursery to the East as well as a Mobile Home park to the west.

2.3 CURRENT AND PAST USES OF THE SITE

The building on the subject property was built approximately in 2000 and it is a single family residential property. The subject property building was constructed in 1924 and was used as an elementary school until 2009. Based on the review of topographic maps and aerial photos, the subject property consisted of undeveloped land prior to construction of the house in 2000.

2.4 DESCRIPTIONS OF STRUCTURES, ROADS, AND OTHER IMPROVEMENTS ON THE SITE

The subject property includes one single story residential property. The building encompasses approximately 2500 square feet and is constructed of concrete and plywood.

Utilities to the buildings on the subject property are as follows:

- Electricity: Westar Energy
- Water and sewage: City of Lawrence
- Natural gas: Black hills Energy.

2.5 CURRENT AND PAST USES OF ADJOINING/SURROUNDING PROPERTY

Currently, the subject property is bounded on the north east by agriculture property. To the south is Interstate 70 and to the west is a mobile home retailer and Pine Family Nursery. A review of historical documents indicates the area surrounding the subject property has been used for mainly agriculture purposes since 1948 (see Section 6.2 for detailed information).

2.6 GEOLOGIC, HYDROGEOLOGIC, HYDROLOGIC, AND TOPOGRAPHIC CONDITIONS

The following sections describe the environmental setting of the subject property and surrounding area.

2.6.1 Geologic Setting

Soils on the subject property consist of Sibley. The typical soil profile for the Sibley is 0 to 25 inches below ground surface (bgs) silt loam, 25 to 64 inches bgs silty clay loam, and 64 to 70 inches bgs silt loam (Environmental Data Resources, LLC [EDR] 2013a).

The upper bedrock formation in the vicinity of the subject property consists of the middle Pennsylvania System. Underlying the Kansas City Group are the shales of the Pleasanton Group. Underlying the Pleasanton Group are predominantly shales of the Marmaton and Cherokee Groups of the Desmoinesian Series.

2.6.2 Hydrogeology

Local Pennsylvanian-age bedrock units generally yield low quantities of marginal quality groundwater high in dissolved solids—particularly chlorides, iron, and bicarbonates (Stohr, St. Ivany, and Williams 1981). Non-potable water for the subject property is supplied by the City of Lawrence, Kansas, Water Department, and is obtained from the Kansas River and groundwater sources near the river.

Numerous drainage ways dissect the bedrock in this area and flow into the Kansas River. The site slopes to the east-northeast, and shallow groundwater likely would perch seasonally at the top of bedrock. Transient water also may be encountered within fracture zones and along bedding planes, and frequently discharges at bedrock outcrops.

2.6.3 Hydrology

Based on the visual site assessment conducted by PAS personnel on June 11, 2013 surface water on the subject property appears to follow surface topography.

3.0 USER-PROVIDED INFORMATION

The following section summarizes information provided by the City (user) regarding the ESA.

3.1 EXISTING STRUCTURE INFORMATION AND DRAWINGS

A Land Record Application was provided to PAS by the LTI (see Appendix A).

3.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

Brian Pine the current owner was unaware of any information regarding environmental liens or activity and use limitations for the subject property. No environmental liens or activity and use limitations were identified by EDR (EDR 2013a).

3.3 SPECIALIZED KNOWLEDGE

No specialized knowledge was provided by Brian Pine.

3.4 OWNER, SITE MANAGER, AND OCCUPANT INFORMATION

The subject property is owned by Brian Pine. Mr. Pine is considered the key site manager for the subject property. The building on the subject property is currently occupied by Mr. Pine and his wife.

3.5 REASON FOR PERFORMING PHASE I ESA

This ESA was requested by the LTI Enterprises LLC to provide an environmental assessment of the subject property. This ESA intends to satisfy one of the requirements for the innocent landowner defense to CERCLA liability: that is, the practices that constitute “all appropriate inquiry into the previous ownership and uses of the property consistent with good customary practice,” as defined in 42 *U. S. Code* Section 9601 (35)(B).

4.0 SITE RECONNAISSANCE

The site reconnaissance was conducted on June 11th and June 17th, PAS Senior Project Manager Greg Sharp. Photographic documentation from the site reconnaissance is included in Appendix B.

4.1 METHODOLOGY AND LIMITING CONDITIONS

The site reconnaissance consisted of a visual inspection of the subject property in accordance with requirements set forth in 40 CFR Part 312. The purpose of the reconnaissance of the subject property was to seek out “conditions indicative of releases or threatened releases” as required by ASTM 1527-05. Its purpose was also to gather information from the current owners or operators about any RECs and/or HRECs associated with the subject property. PAS conducted the reconnaissance of the subject property for evidence of the following:

- Use, storage, treatment, disposal, or generation of hazardous substances, “controlled substances,” or petroleum products
- Landfills, dumps, or evidence of burial activities or solid waste disposal
- Aboveground storage tanks (AST), underground storage tanks (UST), drums, or containers capable of storing hazardous substances or petroleum products
- Transformers or other electrical or mechanical equipment potentially containing polychlorinated biphenyls (PCB)
- Evidence of petroleum-based heating fuel sources
- Drains, pits, sumps, cisterns, cesspools, or similar receptacles where liquids drain, collect, or are stored
- Pits, ponds, lagoons, or open pools likely to contain hazardous substances or petroleum products or waste
- Staining on pavement or areas of dead, distressed, discolored, or stained vegetation that may indicate RECs
- Grading or fill material that may indicate contaminated soils or dumping
- Chemical smells, petroleum gases, foul odors, wells, and/or other site-specific environmental conditions.

PAS mobilized to the subject property to observe current conditions, interview the key site manager, and obtain additional information relevant to the ESA. PAS also observed the exteriors of adjacent and select

nearby properties to assess the presence of environmental concerns. PAS was provided access to the building on the subject property for the reconnaissance by a Brian Pine.

Any items listed in the ASTM method not identified in the following sections can be assumed not present. Likewise, any item mentioned but not identified as a REC can be assumed not a REC.

4.2 GENERAL SITE SETTING

The following sections describe current and past uses and exterior and interior features of the subject property.

4.2.1 Exterior Observations

The subject property building is constructed of concrete and plywood. The building was historically used as an residential dwelling. According to the aerial photographs, city directories, and interview information, this building was constructed in 2000.

4.3 SPECIFIC RECONNAISSANCE ITEMS

The following sections are related to items observed during the site reconnaissance.

4.3.1 Hazardous Substances and Petroleum Products

No evidence of hazardous substances or petroleum products was noted on the subject property.

4.3.2 Hazardous Waste

No Hazardous Waste was observed at the subject property.

4.3.3 Landfills, Dumps, Burials, or Solid Waste Disposal

No landfills, dumps, or evidence of burial activities was observed on the subject property.

4.3.4 Storage Tanks

Underground Storage Tanks

No visual evidence of past or present on-site USTs—including pipes, pumps, or stains—was apparent during the site reconnaissance.

Aboveground Storage Tanks

No visual evidence of past or present on-site ASTs—including pipes, pumps, or stains—was apparent on the subject property during the site reconnaissance.

4.3.5 Polychlorinated Biphenyls-containing Equipment

No equipment likely containing PCBs was observed on the subject property.

4.3.6 Drains, Sumps, Pools of Liquids, Standing Water, Cisterns, and Cesspools

No sumps, cisterns or cesspools were observed on the subject property at the time of the reconnaissance.

4.3.7 Pits, Ponds, and Lagoons

No other pits, ponds, lagoons, or open pools likely to contain or to have been used in the disposal of hazardous substance or petroleum products, or for waste disposal or waste treatment, were observed on the subject property.

4.3.8 Stains or Corrosion and Stained Soil or Pavement

No other stained soil or pavement or corrosion was observed at the time of the site reconnaissance.

4.3.9 Areas of Dead, Distressed, Discolored, or Stained Vegetation

No areas of dead, distressed, discolored, or stained vegetation that indicate RECs were observed on the subject property during the site reconnaissance.

4.3.10 Possible Fill, Grading, or Solid Waste Disposal

No areas of fill or solid waste disposal that would indicate RECs were observed on the subject property during the site reconnaissance.

4.3.11 Smells of Chemical Gases, Petroleum Products, or Noxious Odors

No smells of chemical gases or petroleum products were noted at the time of the site reconnaissance.

4.3.12 Wastewater and Stormwater Systems and Discharges

No wastewater systems or discharges were observed on the subject property.

4.3.13 Wells and Potable Water Supply

No dry, irrigation, injection, abandoned, or other wells were observed on the subject property.

4.3.14 Lead-Based Paint

ASTM Practice E 1527-05 does not require a survey or testing for the presence of lead-based paint (LBP). The building on the subject property was constructed in 2000, and LBP was not used in its construction.

4.3.15 Asbestos-Containing Building Materials

ASTM Practice E 1527-05 does not require testing for the presence of asbestos-containing building materials (ACBM) as part of a Phase I ESA.

4.3.16 Other Site-specific Environmental Conditions

None observed.

4.4 VICINITY RECONNAISSANCE

PAS surveyed the surrounding areas and conducted visual inspections from public roads during the ESA activities (see Figure 2, Appendix B). Visual inspection of the adjacent property identified no RECs to the subject property.

5.0 INTERVIEWS

The objective of conducting interviews was to obtain information concerning RECs in connection with the subject property. This information was obtained verbally, as indicated below. Interviewees were cooperative and forthcoming with information, unless otherwise specified.

5.1 INTERVIEW WITH OWNER

The subject property is owned by Brian Pine. PAS interviewed Mr. Pine to determine past and current uses of the subject property. According to Mr. Pine, the building on the subject property was built in 2000 and is inhabited by he and his wife.

Mr. Pine not aware of: (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property, or (3) any notices from any government entity regarding any possible environmental violations relating to hazardous substances or petroleum products for the subject property.

5.2 INTERVIEW WITH KEY SITE MANAGER

Mr. Pine is considered the key site manager for the subject property. PAS interviewed Mr. Pine as described in Section 5.1.

5.3 INTERVIEWS WITH PAST SITE OWNERS/OCCUPANTS

No interviews were conducted with past owners/occupants of the subject property. Based on the consistent, observed use of the subject property in all reviewed historical information as farmland.

6.0 RECORDS REVIEW

The purpose of the records review is to obtain and review records that will help identify RECs in connection with the subject property.

6.1 ENVIRONMENTAL RECORDS SOURCES

The following sources of environmental records were accessed and reviewed as part of this assessment.

6.1.1 Environmental Database Search

Federal, state, regional, and local records were reviewed to assess whether the subject property or surrounding property have undergone significant unauthorized releases of hazardous substances or other events with potentially adverse environmental effects. EDR performed a database search of the subject property in accordance with ASTM E 1527-05 (EDR 2012a). A copy of this report is included as Appendix C.

The databases searched have been developed and are updated by federal, state, and local agencies. While these databases generally are reliable and comprehensive, cases in which data are out of date and no longer reflect actual property conditions may occur. The Government Records Searched/Data Currency Tracking section of the environmental report identifies when each record was updated (see Appendix C).

The database search identifies property with environmental records from numerous federal, state, tribal, and local regulatory agencies, and their distances from a specified geographic location (typically the perimeter of a subject property). The environmental databases searched and their recommended search radii are listed on the Map Findings Summary in Appendix C.

The facilities cited in the environmental database are summarized in Table 6-1. The subject property was not listed in any of the databases searched by EDR.

6.1.2 Valuation Reduction for Environmental Issues

The key site managers did not provide any information regarding valuation reduction for environmental issues associated with the subject property. The key site managers were unaware of any information regarding environmental liens or activity and use limitations for the subject property.

6.1.3 Engineering and Institutional Controls

As part of the environmental records search performed by EDR, federal and state databases for institutional and engineering controls were searched, including EPA's Engineering Controls Sites List and Sites with Institutional Controls and Missouri's Department of Natural Resources AUL – Sites with Controls. No institutional or engineering controls were reported.

6.2 HISTORICAL USE INFORMATION FOR THE SITE AND ADJOINING PROPERTY

Historical data regarding the subject property and surrounding area were gathered to determine past uses and evaluate visible environmental issues that may pose RECs. The following sections describe Sanborn® maps, aerial photographs, topographic maps, city directories, and past environmental reports that were available for the subject property. Historical use documentation referenced in the following sections is included as Appendix H.

6.2.1 Certified Sanborn® Map Report

No Sanborn Maps were available for the subject property.

Review of Sanborn® maps did not identify a specific potential source area or environmental issue associated with the subject property. Sanborn® maps can be used in conjunction with other historical records presented in this section to determine previous land use on the subject property.

6.2.2 Aerial Photographs

PAS reviewed aerial photographs of the subject property and surrounding area for the years 1948, 1950, 1967, 1970, 1977, 1991, 1996, 2002, 2005, 2006, 2010 and 2012 (EDR 2013c) (see Appendix D). Table 6-4 is a summary of information obtained from the aerial photographs.

Review of aerial photographs did not identify a specific potential source area or environmental issue associated with the subject property. Aerial photographs can be used in conjunction with other historical records presented in this section to determine previous land use on the subject property.

6.2.3 Historical Topographic Maps

Topographic maps can be used as indicators of land use and structural changes on the subject property, and thus can help determine historical land use that might pose an environmental issue to the subject property. PAS reviewed USGS quadrangle topographic maps of the subject property and surrounding area for the years 1885, 1950, 1978 and 1985 (EDR 2013d) (see Appendix D).

Review of topographic maps did not identify specific potential source areas or environmental issues; however, topographic maps can be used in conjunction with other historical records presented in this section to determine previous land use on the subject property.

6.2.4 City Directories

PAS reviewed city directory listings for the subject property. No RECs were identified from the City Directories.

City directories can be used in conjunction with other historical records presented in this section to determine previous land use on the site. Review of city directories did identify the addresses of some buildings on the subject property. The building on the subject property was historically used as an elementary school. The review of city directories did not identify any RECs to the subject property.

7.0 FINDINGS AND OPINIONS

The following significant findings and opinions have resulted from records review, interviews, or reconnaissance:

The Phase I ESA generated the following findings:

- No RECS were identified in association with the subject property or the surrounding properties.

8.0 CONCLUSIONS AND RECOMMENDATIONS

PAS has performed a Phase I ESA in conformance with the scope and limitations of ASTM E 1527-05 for the property located at 1783 East 1500 Road, Douglas County, Lawrence, Kansas. Exceptions to or deletions from this practice are described in Section 1.4 of this report. Based on available information, this assessment has revealed environmental issues in connection with the subject property, as described in Section 7.0. PAS thus recommends the following:

- No Further Investigations.

9.0 CERTIFICATION STATEMENT

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

If you have any questions concerning the findings and conclusions contained in this report, please call PAS Project Manager Greg Sharp 785-727-8977.

Environmental Professional



Greg Sharp
Senior Project Manager

10.0 REFERENCES

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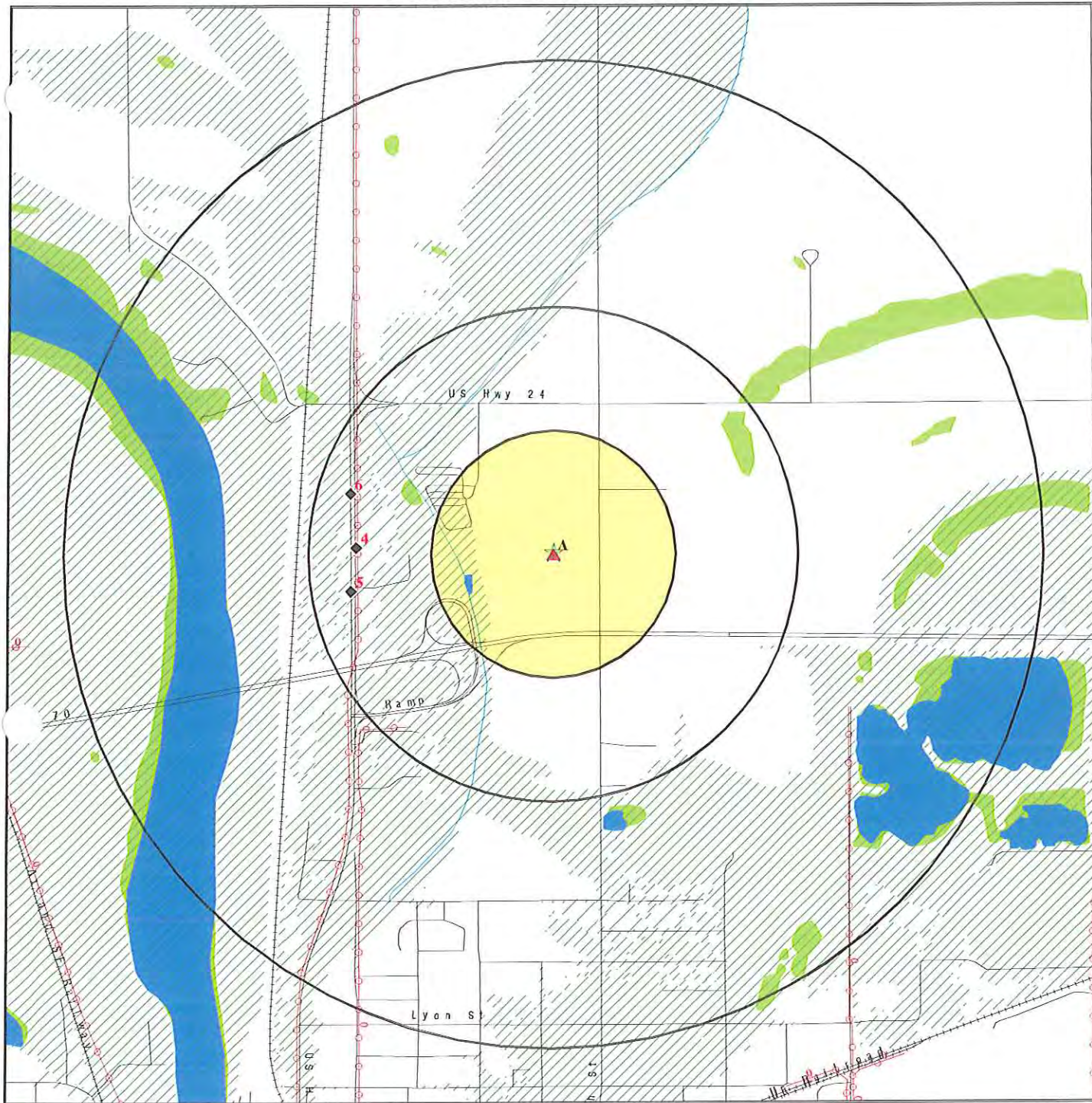
1984. *Soil Survey of Douglas County*. September.

U.S. Geological Survey (USGS).

2002. *Lawrence East Quadrangle*. 7.5-Minute Topographic Series.

APPENDIX A
FIGURES

OVERVIEW MAP - 3634102.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

■ Power transmission lines

■ Oil & Gas pipelines from USGS

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

■ Areas of Concern

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

SITE NAME: Pine Farm
ADDRESS: 1783 East 1500 Road
Lawrence KS 66044
LAT/LONG: 38.9962 / 95.2258

CLIENT: Patriot Abatement Services, LLC
CONTACT: Greg Sharp
INQUIRY #: 3634102.2s
DATE: June 12, 2013 12:28 pm

LAND RECORDS APPLICATION

REAL ESTATE VIEW

[print window](#) | [close window](#)

PROPERTY INFORMATION							
Year: 2013		PIN Number: 023-074-20-0-00-01-013.00-0		Plate Number: 300199			
Owner 1: PINE FAMILY INVESTMENTS LC							
Owner 2: <no record>							
In-Care-Of: <no record>							
Property Address: , GRANT TWP, KS							
Mailing Address: 1783 E 1500 RD, LAWRENCE, KS 66044							
Delinquent Tax: No		Tax Unit: 201		School: USD 497		Loan Number:	
Sec-Twp-Rng: 20-12-20		Book: 0617		Page: 0217		Deed: 12/31/1997 *	

(* click on the above deed date to link to the Deed system)

Please Note: Adobe Flash Player is needed to use the 'MAP IT' button. ([Free Download](#))

VALUE INFORMATION						
Class	Appraised			Assessed		
	Land	Improvements	Total*	Land	Improvements	Total
AR	\$26,880	\$0	\$26,880	\$8,064	\$0	\$8,064

TAX INFORMATION
<i>Tax data for 2013 has not been calculated at this time. To view taxes for this property, please select a previous year from the 'Select Year' drop-down menu.</i>

DESCRIPTION
SP 7-28-2010 FOR 2007 COURT CASE 363 20-12-20 S/2 NW/4 LESS R/W FOR KTA TR33-6B AND TR33-6C COURT CASE 2007 CV 363 58.1A

LEGAL INFORMATION
60.37A 20-12-20 BEG AT PT ON WLINE OF NW 1/4,SD PT BEING 358.07 FT N OF SW COR SD NW 1/4,TH N ALONG SD W LINE 965.77 FT TH AT DEFLECTION ANGLE 90DEG06RIGHT & IN ELY DIR 2654.9 FT TO PT ON E LINE NW 1/4 SD SEC TH AT DEFLECTION ANGLE 89DEG54'RIGHT & IN SLY DIR ALONG SD E LINE SD NW QR 1016.3 FT TO PT ON N R/W LINE KT TH AT DEFLECTION ANGLE 91DEG10'RIGHT & IN WLY DIR ALONG SD N R/W LINE 2655.6 FT TO PT BEG DCK



Douglas County

PINE PARCEL 2



This map is to be used for reference purposes only, and no other use or reliance on the same is authorized. Parcel lines are shown for tax purposes only and are not intended for conveyances, nor is it intended to substitute for a legal survey or property abstract.

Parcels shown do not necessarily constitute a legal lot of record.

Printed: May 30, 2013

LAND RECORDS APPLICATION

REAL ESTATE VIEW

[print window](#) | [close window](#)

PROPERTY INFORMATION							
Year: 2013		PIN Number: 023-074-19-0-10-01-001.01-0		Plate Number: 300150IA			
Owner 1: PINE FAMILY INVESTMENTS LC							
Owner 2: <no record>							
In-Care-Of: <no record>							
Property Address: , GRANT TWP, KS							
Mailing Address: 1783 E 1500 RD, LAWRENCE, KS 66044							
Delinquent Tax: No		Tax Unit: 201		School: USD 497		Loan Number:	
Sec-Twp-Rng: 19-12-20		Book: 0617		Page: 0234		Deed: 12/31/1997 *	

(* click on the above deed date to link to the Deed system)

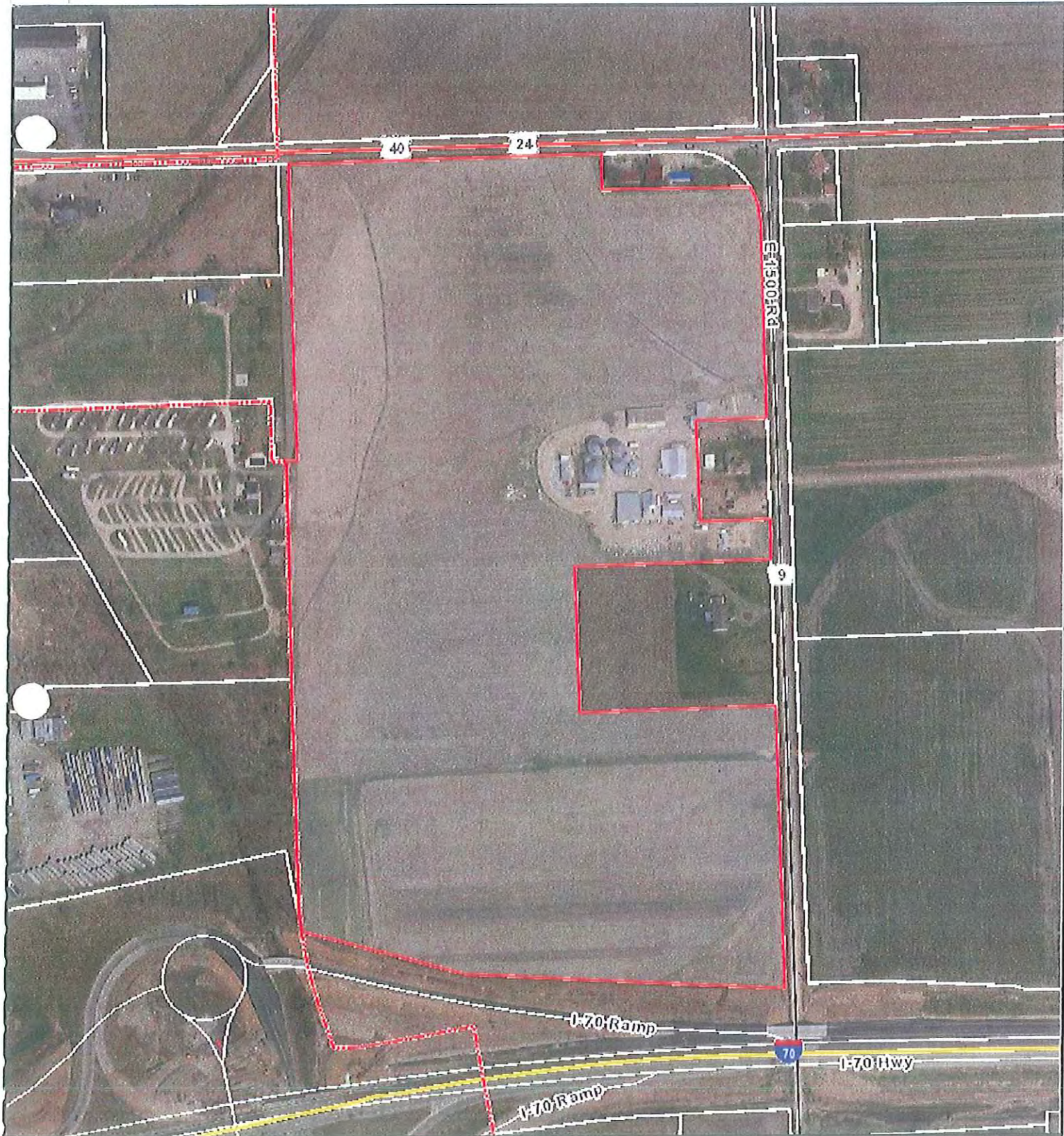
Please Note: Adobe Flash Player is needed to use the 'MAP IT' button. ([Free Download](#))

VALUE INFORMATION						
Class	Appraised			Assessed		
	Land	Improvements	Total*	Land	Improvements	Total
AR	\$25,050	\$0	\$25,050	\$7,515	\$0	\$7,515

TAX INFORMATION
<i>Tax data for 2013 has not been calculated at this time. To view taxes for this property, please select a previous year from the 'Select Year' drop-down menu.</i>

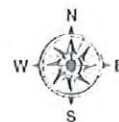
DESCRIPTION
SP 7-28-2010 FOR 2007 COURT CASE 363 19-12-20 BEG 355(S) N OF SE COR NE/4 FOR POB: WLY ALG N R/W OF KTA 1275(S), NLY 360(S), N 1225(S), E 25(S), N 820(S), E 845(S), S 130(S), E 460(S), S 635(S), W 220, S 267.3, E 220, S 100(S), W 559.5, S 390, E 559.5, S 770(S) TO POB LESS R/W FOR KTA TR33-5C COURT CASE 2007 CV 363 57.1A

LEGAL INFORMATION
59.054A 19-12-20 NE 1/4 NE 1/4,LESS .199A D 125/242,LESS .5AD 138/20,LESS .338A D 236/368,LESS .034A D 239/33,LESS 1.1A D 256/8,LESS .565A D 302/457; ALSO ALL THAT PART OF SE 1/4 NE 1/4 19-12-20 LYING N OF KT,LESS 5.01A D 567/1162,LESS TR #33-5C 3.45A DIST CT CASE 2007CV363 FOR KTA R/W (300150IA DIV 2010)



Douglas County

PINE PARCEL



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Parcels shown do not necessarily constitute a legal lot of record.

Printed: May 30, 2013

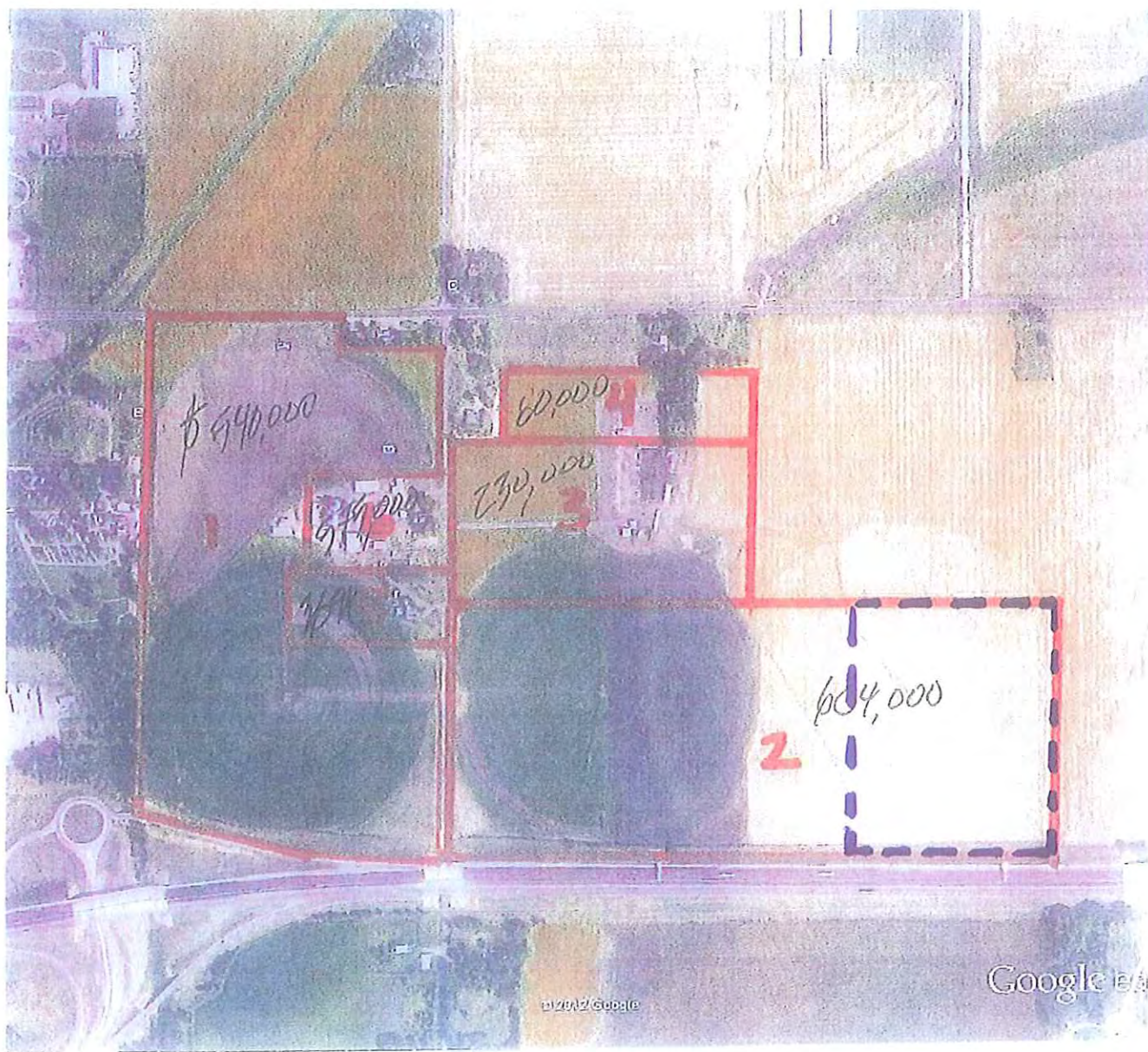
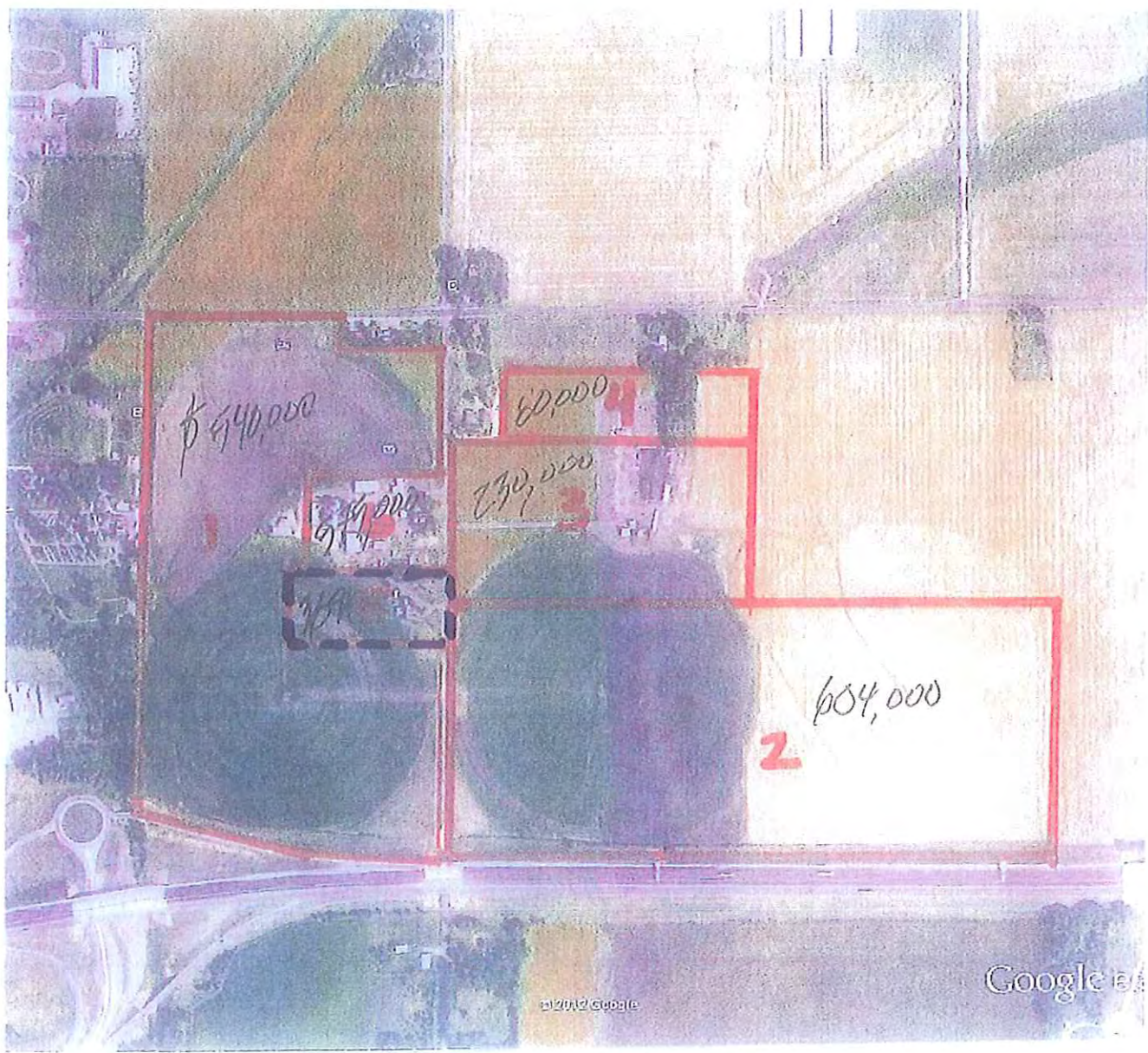


EXHIBIT A



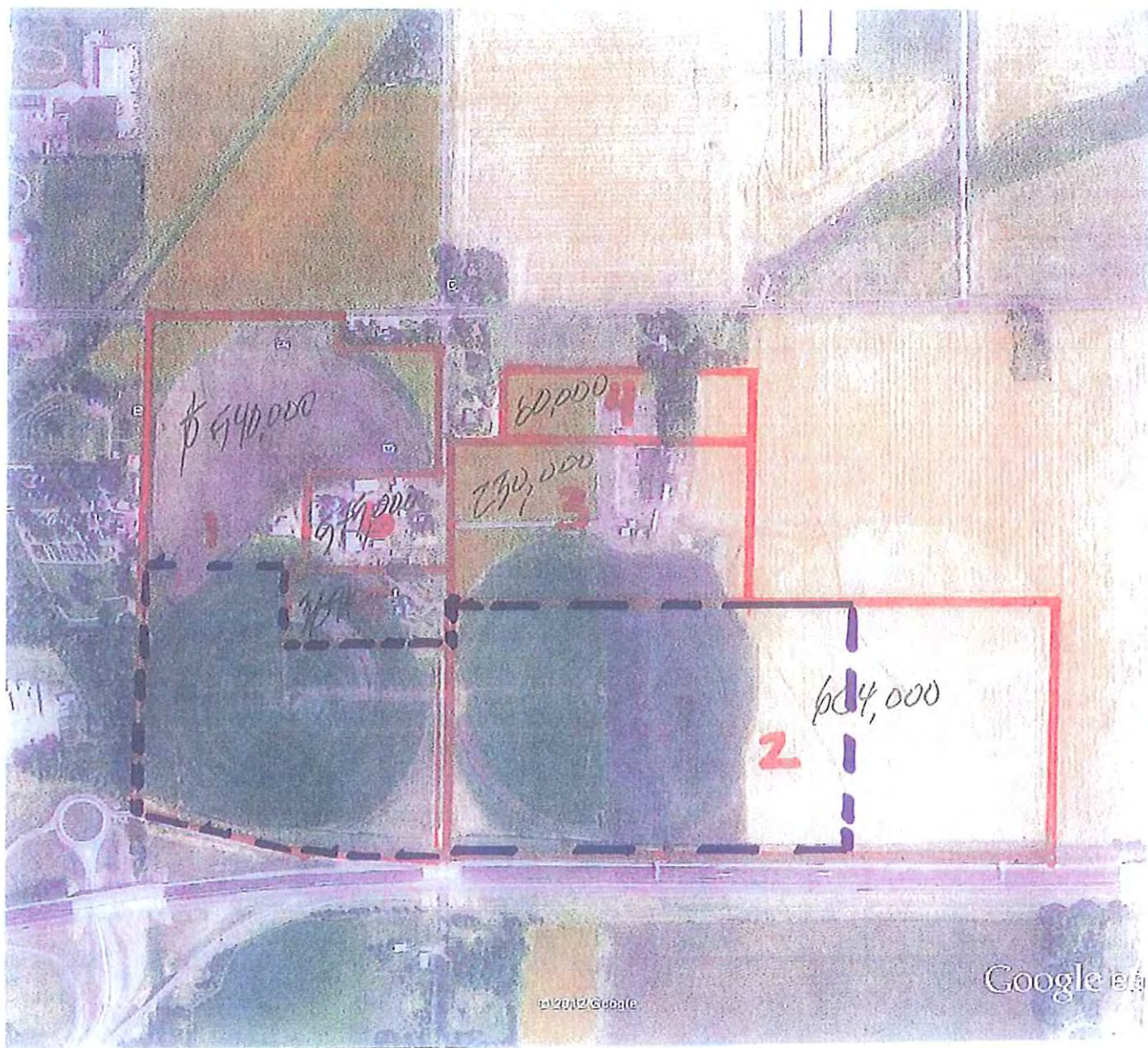


EXHIBIT A

APPENDIX B
SITE PHOTOGRAPHS



Photo 1: This photograph was taken from Subject property Residential House driveway looking to the east.



Photo 2: This photograph was taken on subject property line looking east next to the Pine Nursery Storage area



Photo 3: This photograph shows the residential property located on the subject property.



Photo 4: This photograph shows the Pine Family Nursery Storage Area directly adjacent to the subject property.



Photo 5: This photograph shows the subject property looking to the southwest from the residential property driveway.



Photo 6: This photograph was taken from the residential property looking to the north.



Photo 7: This photograph the subject property looking to the southeast. Photo was taken from driveway of residential property.



Photo 8: This photograph taken from northwest corner of property looking to the southeast

APPENDIX C
EDR RADIUS MAP™ REPORT WITH GEOCHECK®

Pine Farm

1783 East 1500 Road
Lawrence, KS 66044

Inquiry Number: 3634102.2s
June 12, 2013

EDR Summary Radius Map Report



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Overview Map.....	2
Detail Map.....	3
Map Findings Summary.....	4
Map Findings.....	7
Orphan Summary.....	38
Government Records Searched/Data Currency Tracking.....	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum.....	A-1
Physical Setting Source Summary.....	A-2
Physical Setting SSURGO Soil Map.....	A-5
Physical Setting Source Map.....	A-13
Physical Setting Source Map Findings.....	A-15
Physical Setting Source Records Searched.....	A-149

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

1783 EAST 1500 ROAD
LAWRENCE, KS 66044

COORDINATES

Latitude (North): 38.9962000 - 38° 59' 46.32"
Longitude (West): 95.2258000 - 95° 13' 32.88"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 307238.6
UTM Y (Meters): 4318503.5
Elevation: 828 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: TP
Source: USGS 7.5 min quad index

Target Property: N
Source: USGS 7.5 min quad index

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2012
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
1783 EAST 1500 ROAD
LAWRENCE, KS 66044

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft.) DIRECTION
A1		1783 E 1500 RD.	SPILLS		TP
A2	PINE FAMILY FARMS	1783 E 1500 RD	FINDS		TP
A3	PINE FAMILY FARMS	1783 E 1500 ROAD	AST		TP
4	KAW METALS	1487 N HWY 59	LUST	Lower	2128, West
5	BC & R STORAGE CO.,	1321 N 3RD ST	LUST, UST	Lower	2217, West
6	KAW METAL SALES & RE	1773-1787 E 1450 ROA	SHWS, LUST, INST CONTROL, VCP	Lower	2286, WNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

Site	Database(s)	EPA ID
1783 E 1500 RD. 1783 E 1500 RD. LAWRENCE, KS	SPILLS Close Date: 04/04/2001	N/A
PINE FAMILY FARMS 1783 E 1500 RD LAWRENCE, KS 66044	FINDS	N/A
PINE FAMILY FARMS 1783 E 1500 ROAD LAWRENCE, KS 66044	AST	N/A

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

State- and tribal - equivalent CERCLIS

SHWS: A review of the SHWS list, as provided by EDR, and dated 05/01/2013 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
<i>KAW METAL SALES & RE</i> Facility Status: Resolved with restrictions	<i>1773-1787 E 1450 ROA</i>	<i>WNW 1/4 - 1/2 (0.433 mi.)</i>	<i>6</i>	<i>8</i>

State and tribal leaking storage tank lists

LUST: A review of the LUST list, as provided by EDR, and dated 04/26/2013 has revealed that there are

EXECUTIVE SUMMARY

3 LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KAW METALS Facility Status: Closed	1487 N HWY 59	W 1/4 - 1/2 (0.403 mi.)	4	7
BC & R STORAGE CO., Facility Status: Closed	1321 N 3RD ST	W 1/4 - 1/2 (0.420 mi.)	5	7
KAW METAL SALES & RE Facility Status: Closed	1773-1787 E 1450 ROA	WNW 1/4 - 1/2 (0.433 mi.)	6	8

State and tribal institutional control / engineering control registries

INST CONTROL: A review of the INST CONTROL list, as provided by EDR, and dated 05/01/2013 has revealed that there is 1 INST CONTROL site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KAW METAL SALES & RE	1773-1787 E 1450 ROA	WNW 1/4 - 1/2 (0.433 mi.)	6	8

State and tribal voluntary cleanup sites

VCP: A review of the VCP list, as provided by EDR, and dated 05/01/2013 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

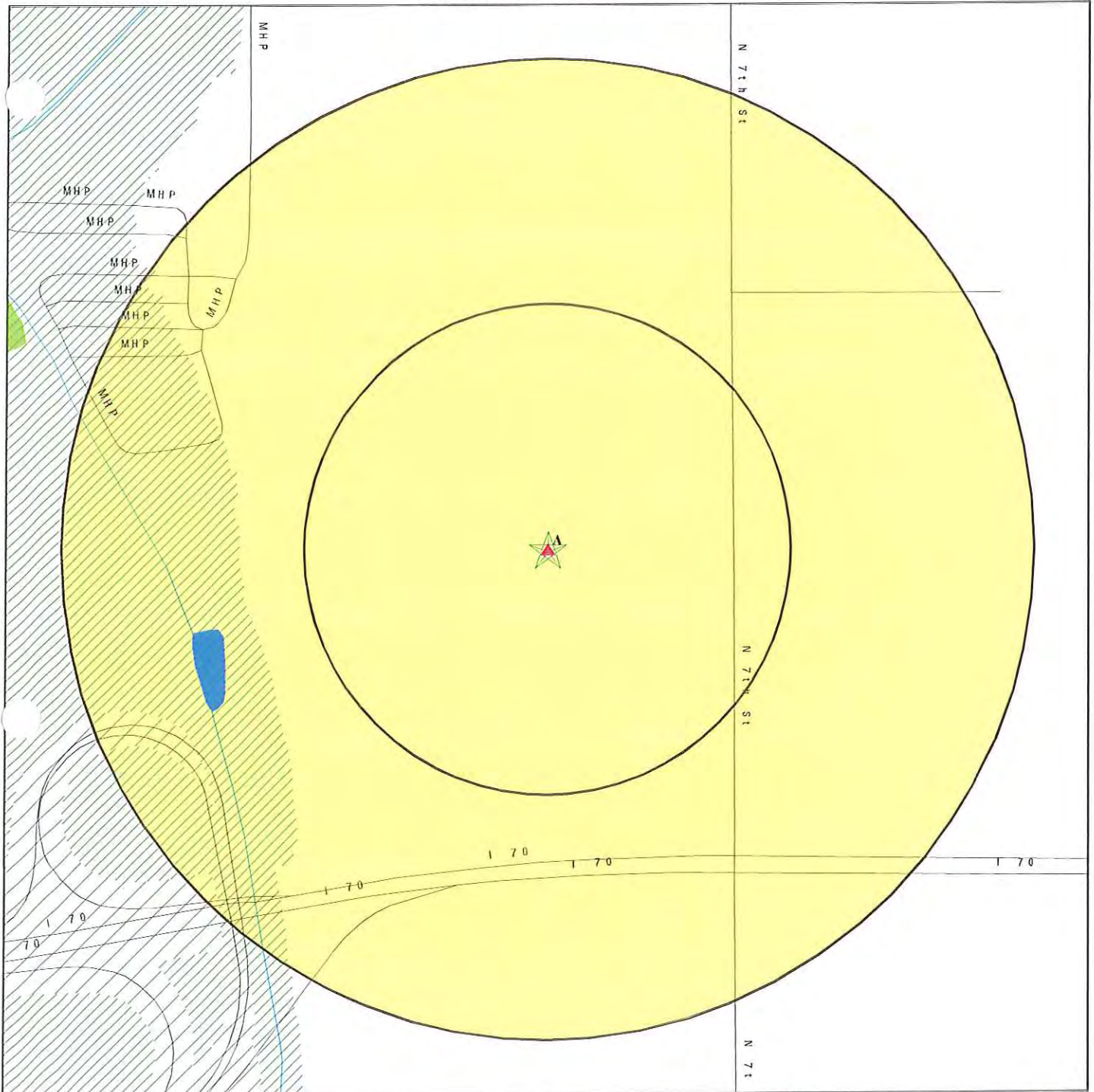
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KAW METAL SALES & RE	1773-1787 E 1450 ROA	WNW 1/4 - 1/2 (0.433 mi.)	6	8

Count: 11 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LANCASTER	96488549	TANK FARM	TANK FARM	66044	ERNS
LAWRENCE	1007480436	CITY OF LAWRENCE	1420 E 11TH ST	66044	FINDS, SWF/LF
LAWRENCE	S108408714	WESTAR ENERGY, INC.	1302 N 1800 RD	66044	SWF/LF
LAWRENCE	S106782124	KDOT	HWY 24 & HWY	66044	LUST
LAWRENCE	S110474393	SOUTHERN STAR MERCURY	31ST & H ST		SHWS, VCP
LAWRENCE	U001112557	USD #497	RT 5		UST
LAWRENCE	S110840238	8TH & PENNSYLVANIA	8TH & PENNSYLVANIA	66044	SHWS
LAWRENCE	S106105856	UNIVERSITY OF KANSAS	W CAMPUS		SWF/LF
LAWRENCE	S105434845	KERR-MCGEE	N HWY 59		LUST
LAWRENCE	1007264283	NAVAJO EXPRESS	70 MILE MARKER 205	66044	RCRA NonGen / NLR
LAWRENCE	S105434865		140 NUCLEAR REACTOR CTR	66044	LUST, SPILLS

DETAIL MAP - 3634102.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

⚡ Sensitive Receptors

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

■ Oil & Gas pipelines from USGS

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

■ Areas of Concern

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

SITE NAME: Pine Farm
ADDRESS: 1783 East 1500 Road
Lawrence KS 66044
LAT/LONG: 38.9962 / 95.2258

CLIENT: Patriot Abatement Services, LLC
CONTACT: Greg Sharp
INQUIRY #: 3634102.2s
DATE: June 12, 2013 12:29 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	1	0	NR	1
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	3	NR	NR	3
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

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

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target 1783 E 1500 RD.
Property LAWRENCE, KS

SPILLS S105705582
N/A

Actual:
828 ft.

[Click here for full text details](#)

SPILLS
Status: Closed
Close Date: 04/04/2001

A2
Target 1783 E 1500 RD
Property LAWRENCE, KS 66044

FINDS 1007475911
N/A

Actual:
828 ft.

[Click here for full text details](#)

A3
Target 1783 E 1500 ROAD
Property LAWRENCE, KS 66044

AST A100054022
N/A

Actual:
828 ft.

[Click here for full text details](#)

AST
Facility Id: 40806

4
West 1487 N HWY 59
1/4-1/2 LAWRENCE, KS 66044
0.403 mi.
2128 ft.

LUST S104818399
N/A

Relative:
Lower

[Click here for full text details](#)

LUST
Facility Id: 81779
Facility Status: Closed

5
West 1321 N 3RD ST
1/4-1/2 LAWRENCE, KS 66044
0.420 mi.
2217 ft.

LUST U000196048
UST N/A

Relative:
Lower

[Click here for full text details](#)

LUST
Facility Id: 04450
Facility Status: Closed

UST
Facility Id: 04450
Tank Status: Permanently Out Of Use

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

6
WNW
1/4-1/2
0.433 mi.
2286 ft.

KAW METAL SALES & RECYCLING
1773-1787 E 1450 ROAD
LAWRENCE, KS 6604

SHWS
LUST
INST CONTROL
VCP

S105434857
N/A

Relative:
Lower

[Click here for full text details](#)

SHWS

Site Status: Resolved with restrictions

LUST

Facility Id: 82120
Facility Status: Closed

VCP

Site Status: Resolved with restrictions

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
KS	AIRS	Title V Source Information	Department of Health & Environment	12/31/2011	01/02/2013	01/09/2013
KS	AOCNCERN	Area of Concern	Department of Environmental Health		04/25/2002	06/28/2002
KS	AST	Aboveground Storage Tank Data	Department of Health and Environment	04/26/2013	05/03/2013	06/11/2013
KS	BROWNFIELDS	Identified Sites List	Department of Health & Environment	05/01/2013	05/01/2013	06/11/2013
KS	CDL	Clandestine Laboratory Data	Department of Health and Environment	09/29/2009	10/02/2009	10/20/2009
KS	COAL ASH	Coal Ash Disposal Site Listing	Department of Health & Environment	06/26/2009	06/26/2009	07/08/2009
KS	DRYCLEANERS	Registered Drycleaning Facilities	Department of Health & Environment	03/05/2013	03/06/2013	04/12/2013
KS	Financial Assurance	Financial Assurance Information Listing	Department of Health & Environment	04/26/2013	05/03/2013	06/11/2013
KS	INST CONTROL	Institutional Controls Information	Department of Health & Environment	05/01/2013	05/01/2013	06/11/2013
KS	LAST	Leaking Aboveground Storage Tanks	Department of Health & Environment	04/26/2013	05/03/2013	06/11/2013
KS	LUST	Leaking Underground Storage Tank Data	Department of Health and Environment	05/01/2013	05/01/2013	06/11/2013
KS	SHWS	Identified Sites List	Department of Health and Environment	05/01/2013	05/01/2013	06/11/2013
KS	SPILLS	Kansas Spills Database	Department of Health and Environment	05/02/2013	05/08/2013	06/12/2013
KS	SWF/ILF	Directory of Sanitary Landfills, Solid Waste Transfer Station	Department of Health and Environment	04/02/2013	04/03/2013	04/12/2013
KS	TIER 2	Tier 2 Information Listing	Department of Health & Environment	12/31/2011	01/08/2013	01/17/2013
KS	UIC	Underground Injection Wells Database Listing	Department of Health & Environment	05/13/2013	05/15/2013	06/12/2013
KS	UST	Underground Storage Tank Data	Department of Health and Environment	04/26/2013	05/03/2013	06/11/2013
KS	VCP	Identified Sites List	Department of Health & Environment	05/01/2013	05/01/2013	06/11/2013
US	COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	11/11/2011	05/18/2012	05/25/2012
US	BRS	Biennial Reporting System	EPAN/TIS	12/31/2011	02/26/2013	04/19/2013
US	CERCLIS	Comprehensive Environmental Response, Compensation, and Liability	EPA	02/04/2013	03/01/2013	03/13/2013
US	CERCLIS-NFRAP	CERCLIS No Further Remedial Action Planned	EPA	02/05/2013	03/01/2013	03/13/2013
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	08/17/2010	01/03/2011	03/21/2011
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2011	01/15/2013	03/13/2013
US	CORRACTS	Corrective Action Report	EPA	02/12/2013	02/21/2013	02/27/2013
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DELISTED NPL	National Priority List Deletions	EPA	02/01/2013	03/01/2013	03/13/2013
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	DOT OPS	Incident and Accident Data	Department of Transportation, Office of Pipeline	07/31/2012	08/07/2012	09/18/2012
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR US Hist Auto Stat	EDR Exclusive Historic Gas Stations	EDR, Inc.			
US	EDR US Hist Auto Stat	EDR Proprietary Historic Gas Stations - Cole				
US	EDR US Hist Cleaners	EDR Exclusive Historic Dry Cleaners				
US	EDR US Hist Cleaners	EDR Proprietary Historic Dry Cleaners - Cole				
US	EPA WATCH LIST	EPA WATCH LIST				
US	ERNS	Emergency Response Notification System	Environmental Protection Agency	12/31/2012	02/18/2013	05/10/2013
US	FEDERAL FACILITY	Federal Facility Site Information listing	National Response Center, United States Coast	12/31/2012	01/17/2013	02/15/2013
US	FEDLAND	Federal and Indian Lands	Environmental Protection Agency	07/31/2012	10/09/2012	12/20/2012
US	FEMA UST	Underground Storage Tank Listing	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FINDS	Facility Index System/Facility Registry System	FEMA	01/01/2010	02/16/2010	04/12/2010
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act)	EPA	10/23/2011	12/13/2011	03/01/2012
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act)	EPA/Office of Prevention, Pesticides and Toxics	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	U.S. Army Corps of Engineers	12/31/2011	02/26/2013	03/13/2013
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US			U.S. Department of Transportation	12/31/2012	01/03/2013	02/27/2013

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St.	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	07/20/2011	11/10/2012	01/10/2012
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	09/28/2012	11/01/2012	01/10/2013
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	02/05/2013	02/06/2013	04/12/2013
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	02/06/2013	02/08/2013	04/12/2013
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	09/12/2011	09/13/2011	11/11/2011
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	12/31/2012	02/28/2013	04/12/2013
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	08/27/2012	08/28/2012	10/16/2012
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	03/01/2013	03/01/2013	04/12/2013
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2005	12/08/2006	01/11/2007
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	09/28/2012	11/07/2012	04/12/2013
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	02/05/2013	02/06/2013	04/12/2013
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	02/06/2013	02/08/2013	04/12/2013
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	08/02/2012	08/03/2012	11/05/2012
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	05/10/2011	05/11/2011	06/14/2011
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	12/31/2012	02/28/2013	04/12/2013
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	08/27/2012	08/28/2012	10/16/2012
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	02/21/2013	02/26/2013	04/12/2013
US	INDIAN VCP R1	Underground Storage Tanks on Indian Land	EPA, Region 1	09/28/2012	10/02/2012	10/16/2012
US	INDIAN VCP R7	Voluntary Cleanup Priority Listing	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Voluntary Cleanup Priority Listing	Environmental Protection Agency	01/29/2013	02/14/2013	02/27/2013
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	02/06/2013	04/25/2013	05/10/2013
US	LUCIS	Land Use Control Information System	Department of the Navy	12/09/2005	12/11/2006	01/11/2007
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	06/21/2011	07/15/2011	09/13/2011
US	NPL	National Priority List	EPA	02/01/2013	03/01/2013	03/13/2013
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	11/01/2012	01/16/2013	05/10/2013
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	02/01/2011	10/19/2011	01/10/2012
US	PRP	Potentially Responsible Parties	EPA	12/02/2012	01/03/2013	03/13/2013
US	Proposed NPL	Proposed National Priority List Sites	EPA	02/01/2013	03/01/2013	03/13/2013
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	04/09/2013	04/11/2013	05/10/2013
US	RCRA NonGen / NLR	RCRA - Non Generators	Environmental Protection Agency	02/12/2013	02/15/2013	02/27/2013
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	02/12/2013	02/15/2013	02/27/2013
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	02/12/2013	02/15/2013	02/27/2013
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	02/12/2013	02/15/2013	02/27/2013
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	02/12/2013	02/15/2013	02/27/2013
US	RMP	Risk Management Plans	Environmental Protection Agency	05/08/2012	05/25/2012	07/10/2012
US	ROD	Records Of Decision	EPA	12/18/2012	03/13/2013	04/12/2013
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	03/07/2011	03/09/2011	05/02/2011
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2009	09/01/2011	01/10/2012
US	TSCA	Toxic Substances Control Act	EPA	12/31/2006	09/29/2010	12/02/2010
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	09/14/2010	10/07/2011	03/01/2012
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (EPA	01/23/2013	01/30/2013	05/10/2013

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St.	Acronym	Full Name	Government Agency	Gov Date	Avl. Date	Active Date
US	US AIRS MINOR	Air Facility System Data	EPA	01/23/2013	01/30/2013	05/10/2013
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	12/10/2012	12/11/2012	12/20/2012
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	03/04/2013	03/12/2013	05/10/2013
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	03/14/2013	03/29/2013	05/10/2013
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/04/2013	03/15/2013	05/10/2013
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	09/01/2007	11/19/2008	03/30/2009
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	03/14/2013	03/29/2013	05/10/2013
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/05/2013	04/18/2013	05/10/2013
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	02/18/2013	02/18/2013	03/21/2013
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	02/01/2013	02/07/2013	03/15/2013
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2011	06/22/2012	07/31/2012
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	12/31/2011	07/19/2012	09/27/2012
US	Oil/Gas Pipelines	GeoData Digital Line Graphs from 1:100,000-Scale Maps	USGS			
US	Electric Power Lines	Electric Power Transmission Line Data	Rextag Strategies Corp.			
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NW1	National Wetlands Inventory	U.S. Fish and Wildlife Service			
US	USGS 7.5' Topographic Map	Scanned Digital USGS 7.5' Topographic Map (DRG)	USGS			

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PINE FARM
1783 EAST 1500 ROAD
LAWRENCE, KS 66044

TARGET PROPERTY COORDINATES

Latitude (North):	38.9962 - 38° 59' 46.32"
Longitude (West):	95.2258 - 95° 13' 32.88"
Universal Transverse Mercator:	Zone 15
UTM X (Meters):	307238.6
UTM Y (Meters):	4318503.5
Elevation:	828 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	38095-H2 LAWRENCE EAST, KS
Most Recent Revision:	1978

North Map:	39095-A2 MIDLAND, KS
Most Recent Revision:	1978

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

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

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

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

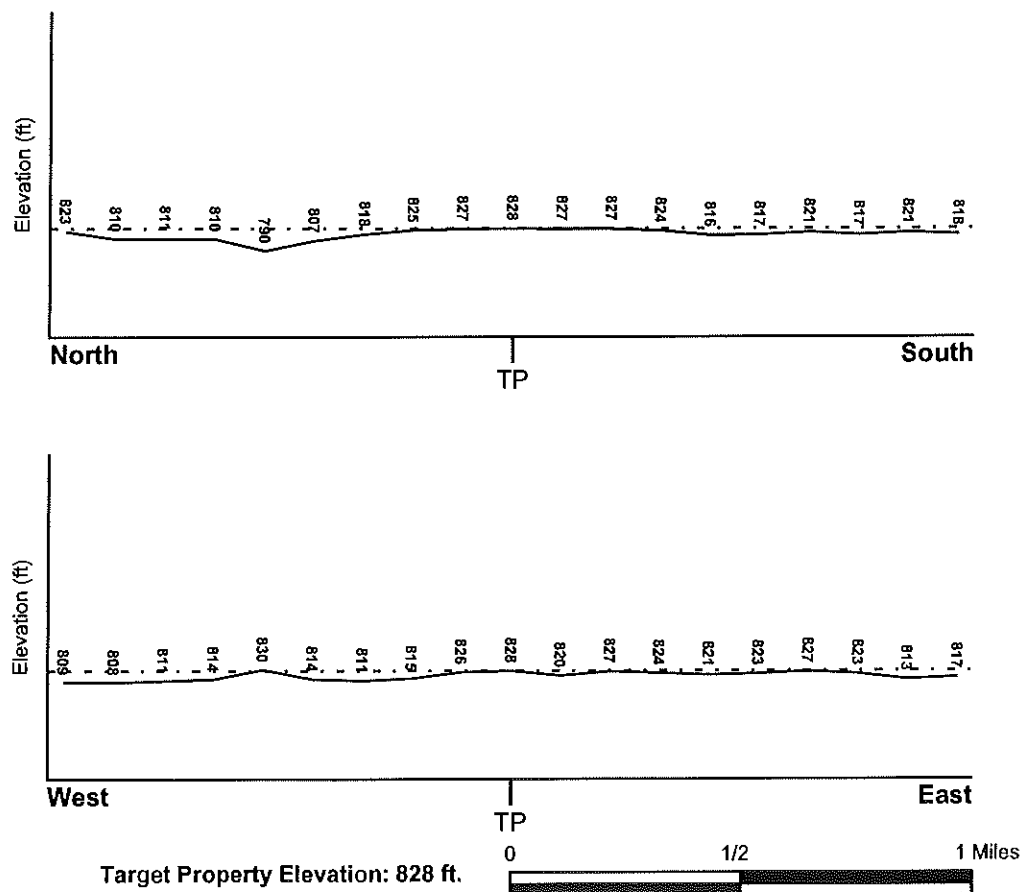
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Target Property County
DOUGLAS, KS

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 20045C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
LAWRENCE EAST

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

<u>MAP ID</u>	<u>LOCATION</u> <u>FROM TP</u>	<u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

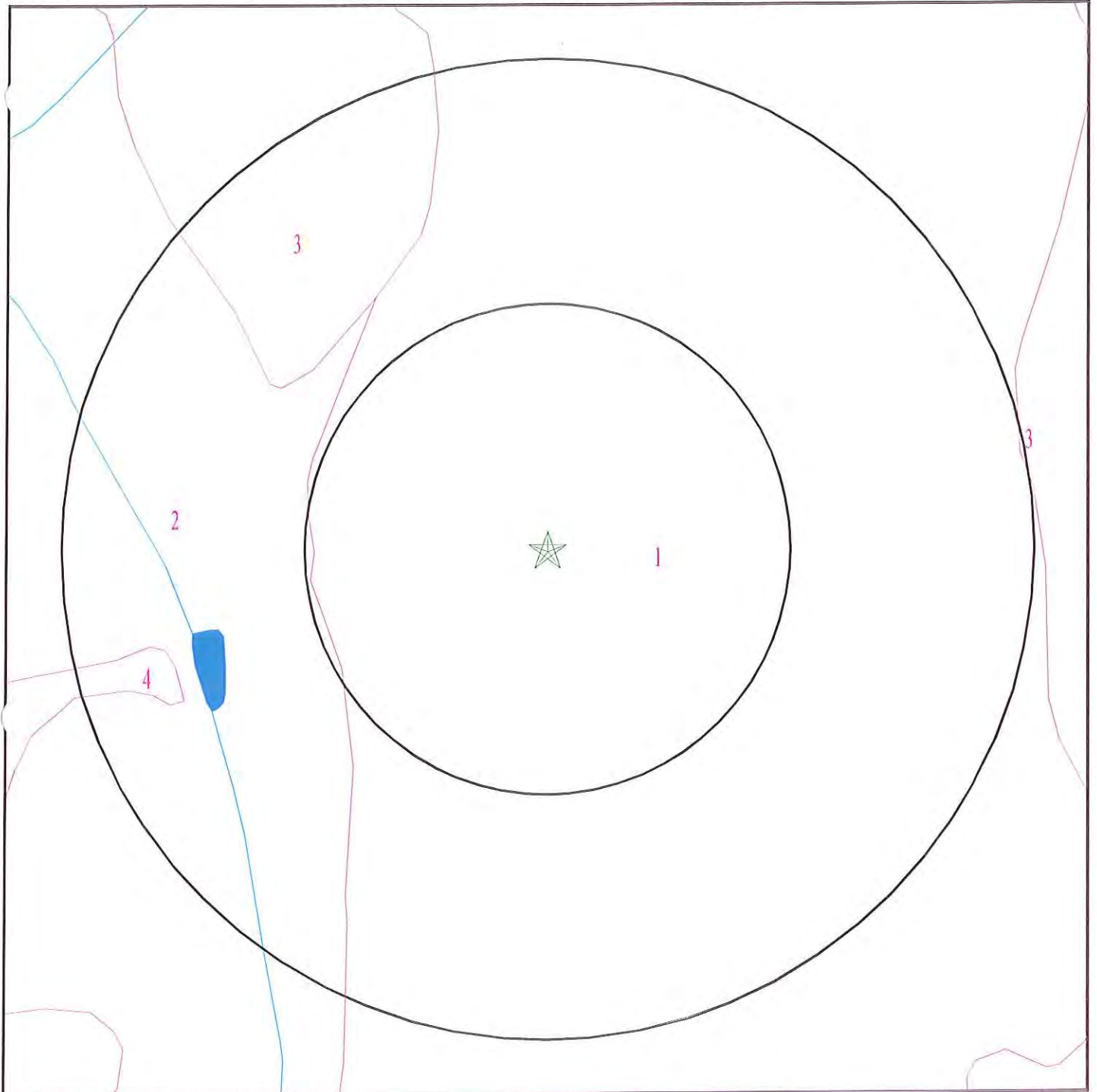
GEOLOGIC AGE IDENTIFICATION

Era:	Paleozoic
System:	Pennsylvanian
Series:	Virgilian Series
Code:	PP4 (<i>decoded above as Era, System & Series</i>)

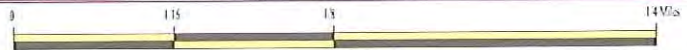
Category: Stratified Sequence

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

SSURGO SOIL MAP - 3634102.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Pine Farm
ADDRESS: 1783 East 1500 Road
Lawrence KS 66044
LAT/LONG: 38.9962 / 95.2258

CLIENT: Patriot Abatement Services, LLC
CONTACT: Greg Sharp
INQUIRY #: 3634102.2s
DATE: June 12, 2013 12:29 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: Rossville

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 7.3 Min: 5.6
2	7 inches	14 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 7.3 Min: 5.6
3	57 inches	79 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 7.3 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
4	38 inches	57 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 7.3 Min: 5.6
5	20 inches	38 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 7.3 Min: 5.6
6	14 inches	20 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 7.3 Min: 5.6

Soil Map ID: 2

Soil Component Name: Eudora

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sandy loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 8.4 Min: 6.6
2	5 inches	11 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 8.4 Min: 6.6
3	11 inches	18 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 8.4 Min: 6.6
4	18 inches	24 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 8.4 Min: 6.6
5	24 inches	44 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 8.4 Min: 6.6
6	44 inches	59 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 8.4 Min: 6.6

Soil Map ID: 3

Soil Component Name: Eudora

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.11 Min: 4.233	Max: 8.4 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	11 inches	72 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.11 Min: 4.233	Max: 8.4 Min: 6.6

Soil Map ID: 4

Soil Component Name: Borrow pits

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000361888	0 - 1/8 Mile ESE
2	USGS40000361909	1/8 - 1/4 Mile North
B6	USGS40000361850	1/4 - 1/2 Mile SSE
B7	USGS40000361849	1/4 - 1/2 Mile SSE
D16	USGS40000361961	1/4 - 1/2 Mile NNE
D17	USGS40000361962	1/4 - 1/2 Mile NNE
D18	USGS40000361963	1/4 - 1/2 Mile NNE
20	USGS40000361807	1/4 - 1/2 Mile South
E24	USGS40000361910	1/4 - 1/2 Mile WNW
41	USGS40000361908	1/2 - 1 Mile ENE
42	USGS40000361960	1/2 - 1 Mile NE
G43	USGS40000361893	1/2 - 1 Mile West
G44	USGS40000361890	1/2 - 1 Mile West
G45	USGS40000361895	1/2 - 1 Mile West
G46	USGS40000361894	1/2 - 1 Mile West
H47	USGS40000361863	1/2 - 1 Mile WSW
H48	USGS40000361864	1/2 - 1 Mile WSW
52	USGS40000361911	1/2 - 1 Mile WNW
I55	USGS40000361763	1/2 - 1 Mile SSE
57	USGS40000361907	1/2 - 1 Mile ENE
86	USGS40000361808	1/2 - 1 Mile SW
P133	USGS40000361739	1/2 - 1 Mile SW
P134	USGS40000361740	1/2 - 1 Mile SW
149	USGS40000361856	1/2 - 1 Mile WSW
158	USGS40000361694	1/2 - 1 Mile SSE
175	USGS40000361695	1/2 - 1 Mile SSW
177	USGS40000361959	1/2 - 1 Mile ENE
179	USGS40000361873	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
181	KS2004506	1/2 - 1 Mile WSW

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	KS6000000170309	1/8 - 1/4 Mile SE
A4	KS6000000170555	1/4 - 1/2 Mile NNE
A5	KS6000000170556	1/4 - 1/2 Mile NNE
B8	KS6000000170217	1/4 - 1/2 Mile SSE
C9	KS6000000170692	1/4 - 1/2 Mile North
C10	KS6000000170691	1/4 - 1/2 Mile North
C11	KS6000000170694	1/4 - 1/2 Mile North
C12	KS6000000170693	1/4 - 1/2 Mile North
13	KS6000000170688	1/4 - 1/2 Mile NNW
14	KS6000000170108	1/4 - 1/2 Mile South
D15	KS6000000170695	1/4 - 1/2 Mile NNE
19	KS6000000170554	1/4 - 1/2 Mile NW
E21	KS6000000170475	1/4 - 1/2 Mile WNW
E22	KS6000000170476	1/4 - 1/2 Mile WNW
23	KS6000000170109	1/4 - 1/2 Mile SE
E25	KS6000000170547	1/2 - 1 Mile WNW
E26	KS6000000170548	1/2 - 1 Mile WNW
E27	KS6000000170546	1/2 - 1 Mile WNW
E28	KS6000000170544	1/2 - 1 Mile WNW
E29	KS6000000170545	1/2 - 1 Mile WNW
E30	KS6000000170552	1/2 - 1 Mile WNW
E31	KS6000000170553	1/2 - 1 Mile WNW
E32	KS6000000170551	1/2 - 1 Mile WNW
E33	KS6000000170549	1/2 - 1 Mile WNW
E34	KS6000000170550	1/2 - 1 Mile WNW
F35	KS6000000170102	1/2 - 1 Mile SW
F36	KS6000000170101	1/2 - 1 Mile SW
F37	KS6000000170100	1/2 - 1 Mile SW
F38	KS6000000170105	1/2 - 1 Mile SW
F39	KS6000000170104	1/2 - 1 Mile SW
F40	KS6000000170103	1/2 - 1 Mile SW
49	KS6000000170131	1/2 - 1 Mile SE
50	KS6000000170557	1/2 - 1 Mile ENE
51	KS6000000170218	1/2 - 1 Mile ESE
53	KS6000000170023	1/2 - 1 Mile SW
54	KS6000000170786	1/2 - 1 Mile NE
56	KS6000000169854	1/2 - 1 Mile South
I58	KS6000000169857	1/2 - 1 Mile SSE
I59	KS6000000169858	1/2 - 1 Mile SSE
I60	KS6000000169859	1/2 - 1 Mile SSE
61	KS6000000170857	1/2 - 1 Mile NNE
62	KS6000000170310	1/2 - 1 Mile ESE
J63	KS6000000170007	1/2 - 1 Mile SW
J64	KS6000000170006	1/2 - 1 Mile SW
J65	KS6000000170008	1/2 - 1 Mile SW
J66	KS6000000170010	1/2 - 1 Mile SW
J67	KS6000000170009	1/2 - 1 Mile SW
J68	KS6000000170005	1/2 - 1 Mile SW
J69	KS6000000170001	1/2 - 1 Mile SW
J70	KS6000000170000	1/2 - 1 Mile SW
J71	KS6000000170002	1/2 - 1 Mile SW
J72	KS6000000170004	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
J73	KS6000000170003	1/2 - 1 Mile SW
J74	KS6000000170011	1/2 - 1 Mile SW
J75	KS6000000170019	1/2 - 1 Mile SW
J76	KS6000000170018	1/2 - 1 Mile SW
J77	KS6000000170020	1/2 - 1 Mile SW
J78	KS6000000170022	1/2 - 1 Mile SW
J79	KS6000000170021	1/2 - 1 Mile SW
J80	KS6000000170017	1/2 - 1 Mile SW
J81	KS6000000170013	1/2 - 1 Mile SW
J82	KS6000000170012	1/2 - 1 Mile SW
J83	KS6000000170014	1/2 - 1 Mile SW
J84	KS6000000170016	1/2 - 1 Mile SW
J85	KS6000000170015	1/2 - 1 Mile SW
87	KS6000000170558	1/2 - 1 Mile ENE
K88	KS6000000169848	1/2 - 1 Mile SSW
K89	KS6000000169849	1/2 - 1 Mile SSW
K90	KS6000000169838	1/2 - 1 Mile SSW
K91	KS6000000169839	1/2 - 1 Mile SSW
K92	KS6000000169840	1/2 - 1 Mile SSW
K93	KS6000000169837	1/2 - 1 Mile SSW
K94	KS6000000169834	1/2 - 1 Mile SSW
K95	KS6000000169835	1/2 - 1 Mile SSW
K96	KS6000000169836	1/2 - 1 Mile SSW
K97	KS6000000169845	1/2 - 1 Mile SSW
K98	KS6000000169846	1/2 - 1 Mile SSW
K99	KS6000000169847	1/2 - 1 Mile SSW
K100	KS6000000169844	1/2 - 1 Mile SSW
K101	KS6000000169841	1/2 - 1 Mile SSW
K102	KS6000000169842	1/2 - 1 Mile SSW
K103	KS6000000169843	1/2 - 1 Mile SSW
L104	KS6000000170927	1/2 - 1 Mile North
L105	KS6000000170928	1/2 - 1 Mile North
M106	KS6000000170931	1/2 - 1 Mile NNE
M107	KS6000000170932	1/2 - 1 Mile NNE
M108	KS6000000170929	1/2 - 1 Mile NNE
M109	KS6000000170930	1/2 - 1 Mile NNE
M110	KS6000000170933	1/2 - 1 Mile NNE
M111	KS6000000170936	1/2 - 1 Mile NNE
M112	KS6000000170937	1/2 - 1 Mile NNE
M113	KS6000000170934	1/2 - 1 Mile NNE
M114	KS6000000170935	1/2 - 1 Mile NNE
M115	KS6000000170938	1/2 - 1 Mile NNE
116	KS6000000169861	1/2 - 1 Mile SSE
N117	KS6000000169833	1/2 - 1 Mile SW
N118	KS6000000169824	1/2 - 1 Mile SW
N119	KS6000000169825	1/2 - 1 Mile SW
N120	KS6000000169826	1/2 - 1 Mile SW
N121	KS6000000169821	1/2 - 1 Mile SW
N122	KS6000000169822	1/2 - 1 Mile SW
N123	KS6000000169823	1/2 - 1 Mile SW
N124	KS6000000169830	1/2 - 1 Mile SW
N125	KS6000000169831	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

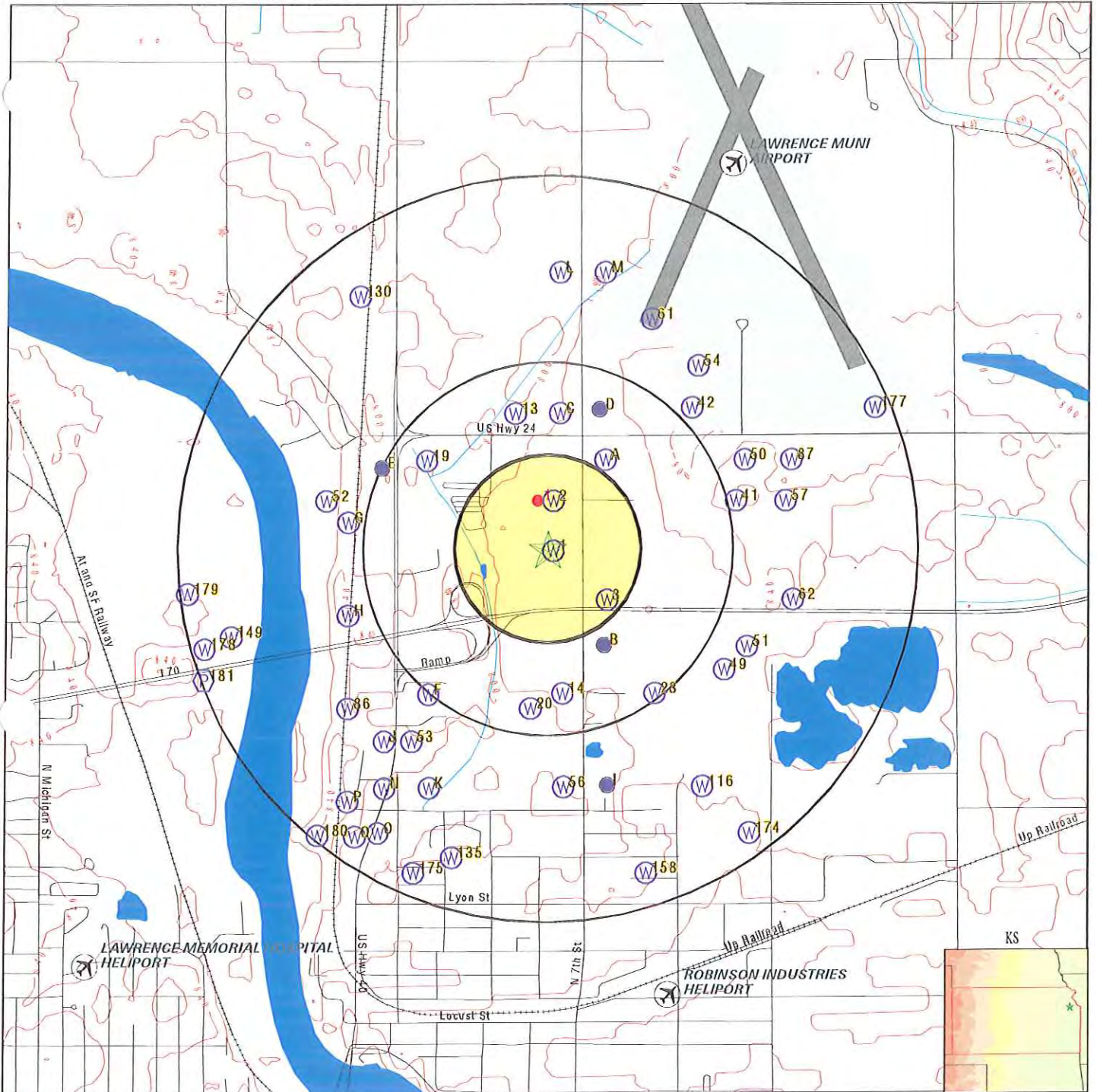
MAP ID	WELL ID	LOCATION FROM TP
N126	KS6000000169832	1/2 - 1 Mile SW
N127	KS6000000169827	1/2 - 1 Mile SW
N128	KS6000000169828	1/2 - 1 Mile SW
N129	KS6000000169829	1/2 - 1 Mile SW
130	KS6000000170885	1/2 - 1 Mile NW
O131	KS6000000169714	1/2 - 1 Mile SSW
O132	KS6000000169715	1/2 - 1 Mile SSW
135	KS6000000169584	1/2 - 1 Mile SSW
O136	KS6000000169712	1/2 - 1 Mile SSW
O137	KS6000000169720	1/2 - 1 Mile SSW
O138	KS6000000169677	1/2 - 1 Mile SSW
O139	KS6000000169678	1/2 - 1 Mile SSW
O140	KS6000000169676	1/2 - 1 Mile SSW
O141	KS6000000169674	1/2 - 1 Mile SSW
O142	KS6000000169675	1/2 - 1 Mile SSW
O143	KS6000000169682	1/2 - 1 Mile SSW
O144	KS6000000169683	1/2 - 1 Mile SSW
O145	KS6000000169681	1/2 - 1 Mile SSW
O146	KS6000000169679	1/2 - 1 Mile SSW
O147	KS6000000169680	1/2 - 1 Mile SSW
O148	KS6000000169687	1/2 - 1 Mile SSW
O150	KS6000000169686	1/2 - 1 Mile SSW
O151	KS6000000169698	1/2 - 1 Mile SSW
O152	KS6000000169660	1/2 - 1 Mile SSW
O153	KS6000000169716	1/2 - 1 Mile SSW
O154	KS6000000169717	1/2 - 1 Mile SSW
O155	KS6000000169718	1/2 - 1 Mile SSW
O156	KS6000000169662	1/2 - 1 Mile SSW
O157	KS6000000169663	1/2 - 1 Mile SSW
O159	KS6000000169703	1/2 - 1 Mile SSW
O160	KS6000000169701	1/2 - 1 Mile SSW
O161	KS6000000169702	1/2 - 1 Mile SSW
Q162	KS6000000169657	1/2 - 1 Mile SSW
Q163	KS6000000169658	1/2 - 1 Mile SSW
Q164	KS6000000169659	1/2 - 1 Mile SSW
Q165	KS6000000169705	1/2 - 1 Mile SW
Q166	KS6000000169706	1/2 - 1 Mile SW
Q167	KS6000000169704	1/2 - 1 Mile SW
Q168	KS6000000169672	1/2 - 1 Mile SW
Q169	KS6000000169673	1/2 - 1 Mile SW
Q170	KS6000000169671	1/2 - 1 Mile SW
Q171	KS6000000169638	1/2 - 1 Mile SSW
Q172	KS6000000169639	1/2 - 1 Mile SSW
Q173	KS6000000169637	1/2 - 1 Mile SSW
174	KS6000000169692	1/2 - 1 Mile SE
Q176	KS6000000169670	1/2 - 1 Mile SW
178	KS6000000170215	1/2 - 1 Mile WSW
180	KS6000000169669	1/2 - 1 Mile SW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	KSOG90000397569	1/8 - 1/4 Mile NNW

PHYSICAL SETTING SOURCE MAP - 3634102.2s



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

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

SITE NAME: Pine Farm
 ADDRESS: 1783 East 1500 Road
 Lawrence KS 66044
 LAT/LONG: 38.9962 / 95.2258

CLIENT: Patriot Abatement Services, LLC
 CONTACT: Greg Sharp
 INQUIRY #: 3634102.2s
 DATE: June 12, 2013 12:29 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

1
NNW [Click here for full text details](#)
1/8 - 1/4 Mile

OIL_GAS

KSOG90000397569

1
ESE [Click here for full text details](#)
0 - 1/8 Mile
Higher

FED USGS

USGS40000361888

2
North [Click here for full text details](#)
1/8 - 1/4 Mile
Higher

FED USGS

USGS40000361909

3
SE [Click here for full text details](#)
1/8 - 1/4 Mile
Higher

KS WELLS

KS6000000170309

A4
NNE [Click here for full text details](#)
1/4 - 1/2 Mile
Higher

KS WELLS

KS6000000170555

A5
NNE [Click here for full text details](#)
1/4 - 1/2 Mile
Higher

KS WELLS

KS6000000170556

B6
SSE [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

FED USGS

USGS40000361850

B7
SSE [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

FED USGS

USGS40000361849

B8
SSE [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

KS WELLS

KS6000000170217

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

C9
North [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

KS WELLS

KS6000000170692

C10
North [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

KS WELLS

KS6000000170691

C11
North [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

KS WELLS

KS6000000170694

C12
North [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

KS WELLS

KS6000000170693

13
NNW [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

KS WELLS

KS6000000170688

14
South [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

KS WELLS

KS6000000170108

D15
NNE [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

KS WELLS

KS6000000170695

D16
NNE [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

FED USGS

USGS40000361961

D17
NNE [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

FED USGS

USGS40000361962

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D18
NNE [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

FED USGS USGS40000361963

19
NW [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000170554

20
South [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

FED USGS USGS40000361807

E21
WNW [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000170475

E22
WNW [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000170476

23
SE [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000170109

E24
WNW [Click here for full text details](#)
1/4 - 1/2 Mile
Lower

FED USGS USGS40000361910

E25
WNW [Click here for full text details](#)
1/2 - 1 Mile
Lower

KS WELLS KS6000000170547

E26
WNW [Click here for full text details](#)
1/2 - 1 Mile
Lower

KS WELLS KS6000000170548

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

E27
WNW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170546

E28
WNW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170544

E29
WNW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170545

E30
WNW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170552

E31
WNW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170553

E32
WNW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170551

E33
WNW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170549

E34
WNW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170550

F35
SW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170102

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

F36
SW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170101

F37
SW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170100

F38
SW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170105

F39
SW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170104

F40
SW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170103

41
ENE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

FED USGS

USGS40000361908

42
NE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

FED USGS

USGS40000361960

G43
West
1/2 - 1 Mile
Higher

[Click here for full text details](#)

FED USGS

USGS40000361893

G44
West
1/2 - 1 Mile
Higher

[Click here for full text details](#)

FED USGS

USGS40000361890

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
G45 West 1/2 - 1 Mile Higher	Click here for full text details	FED USGS	USGS40000361895
G46 West 1/2 - 1 Mile Higher	Click here for full text details	FED USGS	USGS40000361894
H47 WSW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000361863
H48 WSW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000361864
49 SE 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000170131
50 ENE 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000170557
51 ESE 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000170218
52 WNW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000361911
53 SW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000170023

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
54 NE 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000170786
I55 SSE 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000361763
56 South 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169854
57 ENE 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000361907
I58 SSE 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169857
I59 SSE 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169858
I60 SSE 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169859
61 NNE 1/2 - 1 Mile Higher	Click here for full text details	KS WELLS	KS6000000170857
62 ESE 1/2 - 1 Mile Higher	Click here for full text details	KS WELLS	KS6000000170310

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

J63
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170007

J64
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170006

J65
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170008

J66
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170010

J67
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170009

J68
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170005

J69
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170001

J70
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170000

J71
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170002

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

J72
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170004

J73
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170003

J74
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170011

J75
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170019

J76
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170018

J77
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170020

J78
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170022

J79
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170021

J80
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170017

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

J81
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170013

J82
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170012

J83
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170014

J84
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170016

J85
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000170015

86
SW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

FED USGS

USGS40000361808

87
ENE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170558

K88
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169848

K89
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169849

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
K90 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169838
K91 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169839
K92 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169840
K93 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169837
K94 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169834
K95 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169835
K96 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169836
K97 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169845
K98 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169846

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

K99
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS KS6000000169847

K100
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS KS6000000169844

K101
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS KS6000000169841

K102
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS KS6000000169842

K103
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS KS6000000169843

L104
North
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS KS6000000170927

L105
North
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS KS6000000170928

M106
NNE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS KS6000000170931

M107
NNE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS KS6000000170932

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

M108
NNE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170929

M109
NNE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170930

M110
NNE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170933

M111
NNE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170936

M112
NNE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170937

M113
NNE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170934

M114
NNE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170935

M115
NNE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170938

116
SSE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169861

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

N117
SW [Click here for full text details](#)
1/2 - 1 Mile
Lower

KS WELLS KS6000000169833

N118
SW [Click here for full text details](#)
1/2 - 1 Mile
Lower

KS WELLS KS6000000169824

N119
SW [Click here for full text details](#)
1/2 - 1 Mile
Lower

KS WELLS KS6000000169825

N120
SW [Click here for full text details](#)
1/2 - 1 Mile
Lower

KS WELLS KS6000000169826

N121
SW [Click here for full text details](#)
1/2 - 1 Mile
Lower

KS WELLS KS6000000169821

N122
SW [Click here for full text details](#)
1/2 - 1 Mile
Lower

KS WELLS KS6000000169822

N123
SW [Click here for full text details](#)
1/2 - 1 Mile
Lower

KS WELLS KS6000000169823

N124
SW [Click here for full text details](#)
1/2 - 1 Mile
Lower

KS WELLS KS6000000169830

N125
SW [Click here for full text details](#)
1/2 - 1 Mile
Lower

KS WELLS KS6000000169831

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

N126
SW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169832

N127
SW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169827

N128
SW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169828

N129
SW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169829

130
NW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000170885

O131
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169714

O132
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169715

P133
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

FED USGS

USGS40000361739

P134
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

FED USGS

USGS40000361740

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
135 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169584
O136 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169712
O137 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169720
O138 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169677
O139 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169678
O140 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169676
O141 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169674
O142 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169675
O143 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169682

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

O144
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169683

O145
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169681

O146
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169679

O147
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169680

O148
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169687

149
WSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

FED USGS

USGS40000361856

O150
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169686

O151
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169698

O152
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169660

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

O153
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169716

O154
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169717

O155
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169718

O156
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169662

O157
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169663

158
SSE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

FED USGS

USGS40000361694

O159
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169703

O160
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169701

O161
SSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

KS WELLS

KS6000000169702

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
Q162 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169657
Q163 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169658
Q164 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169659
Q165 SW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169705
Q166 SW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169706
Q167 SW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169704
Q168 SW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169672
Q169 SW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169673
Q170 SW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169671

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
Q171 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169638
Q172 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169639
Q173 SSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169637
174 SE 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169692
175 SSW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000361695
Q176 SW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000169670
177 ENE 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000361959
178 WSW 1/2 - 1 Mile Lower	Click here for full text details	KS WELLS	KS6000000170215
179 West 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000361873

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

180
SW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

KS WELLS

KS6000000169669

181
WSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

FRDS PWS

KS2004506

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: KS Radon

Radon Test Results

Zipcode	Avg Radon	Max Radon	Num Tests
66044	4.1	44.7	311

Federal EPA Radon Zone for DOUGLAS County: 1

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

Federal Area Radon Information for Zip Code: 66044

Number of sites tested: 16

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.325 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.438 pCi/L	69%	31%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

STATE RECORDS

Kansas Water Well Completion Records Database

Source: Kansas Geological Survey

Telephone: 913-864-3965

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Location Database Listing

Source: Kansas Geological Survey

Telephone: 785-864-3965

RADON

State Database: KS Radon

Source: Department of Health & Environment

Telephone: 785-296-1500

Kansas Indoor Radon Measurements

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX D

HISTORICAL USE DOCUMENTATION

APPENDIX D

HISTORICAL USE DOCUMENTATION

APPENDIX D-1
HISTORICAL SANBORN® MAPS



Pine Farm

1783 East 1500 Road
Lawrence, KS 66044

Inquiry Number: 3634102.3

June 12, 2013



Certified Sanborn® Map Report

Certified Sanborn® Map Report

6/12/13

Site Name:

Pine Farm
1783 East 1500 Road
Lawrence, KS 66044

Client Name:

Patriot Abatement Services,
P.O. Box 2226
Olathe, KS 66051



Environmental Data Resources Inc.

EDR Inquiry # 3634102.3

Contact: Greg Sharp

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

Certified Sanborn Results:

Site Name: Pine Farm
Address: 1783 East 1500 Road
City, State, Zip: Lawrence, KS 66044
Cross Street:
P.O. # NA
Project: Pine Phase 1
Certification # 175D-4C87-9111



Sanborn® Library search results
Certification # 175D-4C87-9111

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.

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

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

The Sanborn Library LLC Since 1866™

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APPENDIX D-2
HISTORICAL AERIAL PHOTOGRAPHS



Pine Farm

1783 East 1500 Road

Lawrence, KS 66044

Inquiry Number: 3634102.5

June 13, 2013



The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

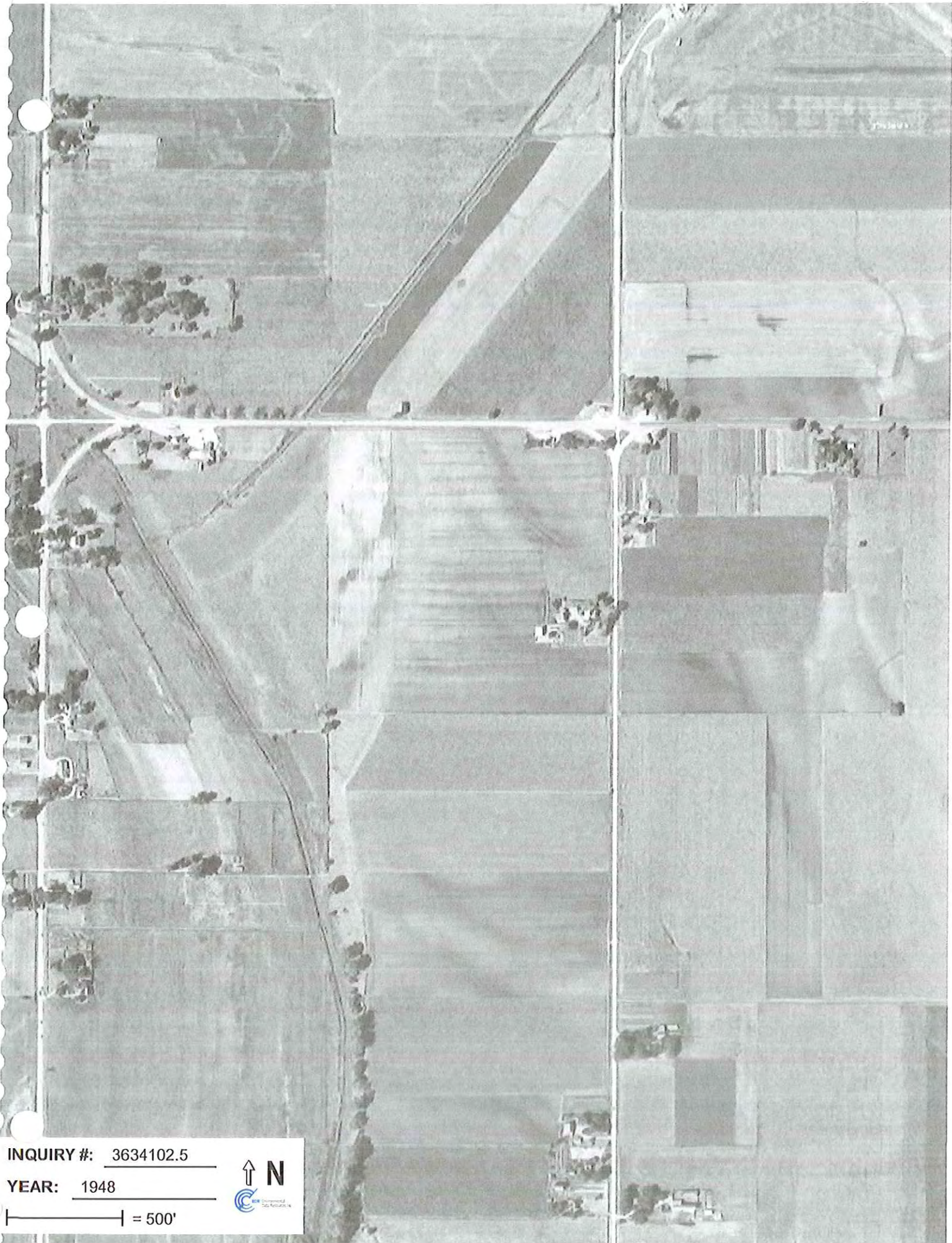
Aerial Photography June 13, 2013

Target Property:

1783 East 1500 Road

Lawrence, KS 66044

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1948	Aerial Photograph. Scale: 1"=500'	Panel #: 38095-H2, Lawrence East, KS; Flight Date: October 19, 1948	EDR
1950	Aerial Photograph. Scale: 1"=1000'	Panel #: 38095-H2, Lawrence East, KS; Flight Date: April 19, 1950	EDR
1967	Aerial Photograph. Scale: 1"=500'	Panel #: 38095-H2, Lawrence East, KS; Flight Date: August 28, 1967	EDR
1970	Aerial Photograph. Scale: 1"=1000'	Panel #: 38095-H2, Lawrence East, KS; Flight Date: June 07, 1970	EDR
1977	Aerial Photograph. Scale: 1"=750'	Panel #: 38095-H2, Lawrence East, KS; Flight Date: May 10, 1977	EDR
1991	Aerial Photograph. Scale: 1"=750'	Panel #: 38095-H2, Lawrence East, KS; Flight Date: October 16, 1991	EDR
1996	Aerial Photograph. Scale: 1"=750'	Panel #: 38095-H2, Lawrence East, KS; Flight Date: March 10, 1996	EDR
2002	Aerial Photograph. Scale: 1"=500'	Panel #: 38095-H2, Lawrence East, KS; DOQQ - acquisition dates: February 16, 2002	EDR
2005	Aerial Photograph. Scale: 1"=500'	Panel #: 38095-H2, Lawrence East, KS; Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 38095-H2, Lawrence East, KS; Flight Year: 2006	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 38095-H2, Lawrence East, KS; Flight Year: 2008	EDR
2010	Aerial Photograph. Scale: 1"=500'	Panel #: 38095-H2, Lawrence East, KS; Flight Year: 2010	EDR
2012	Aerial Photograph. Scale: 1"=500'	Panel #: 38095-H2, Lawrence East, KS; Flight Year: 2012	EDR



INQUIRY #: 3634102.5

YEAR: 1948

— = 500'



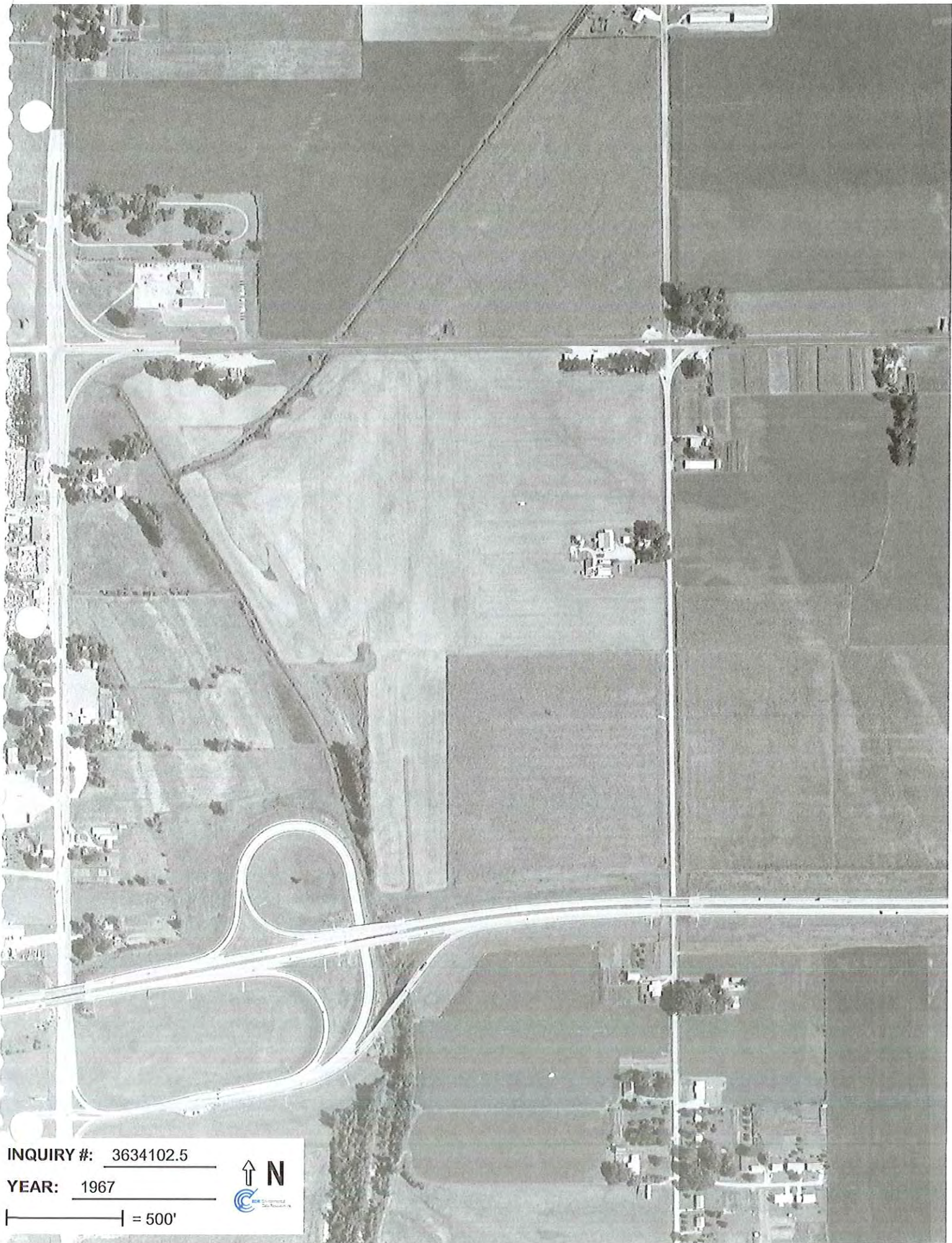


INQUIRY #: 3834102.5

YEAR: 1950

1" = 1000'



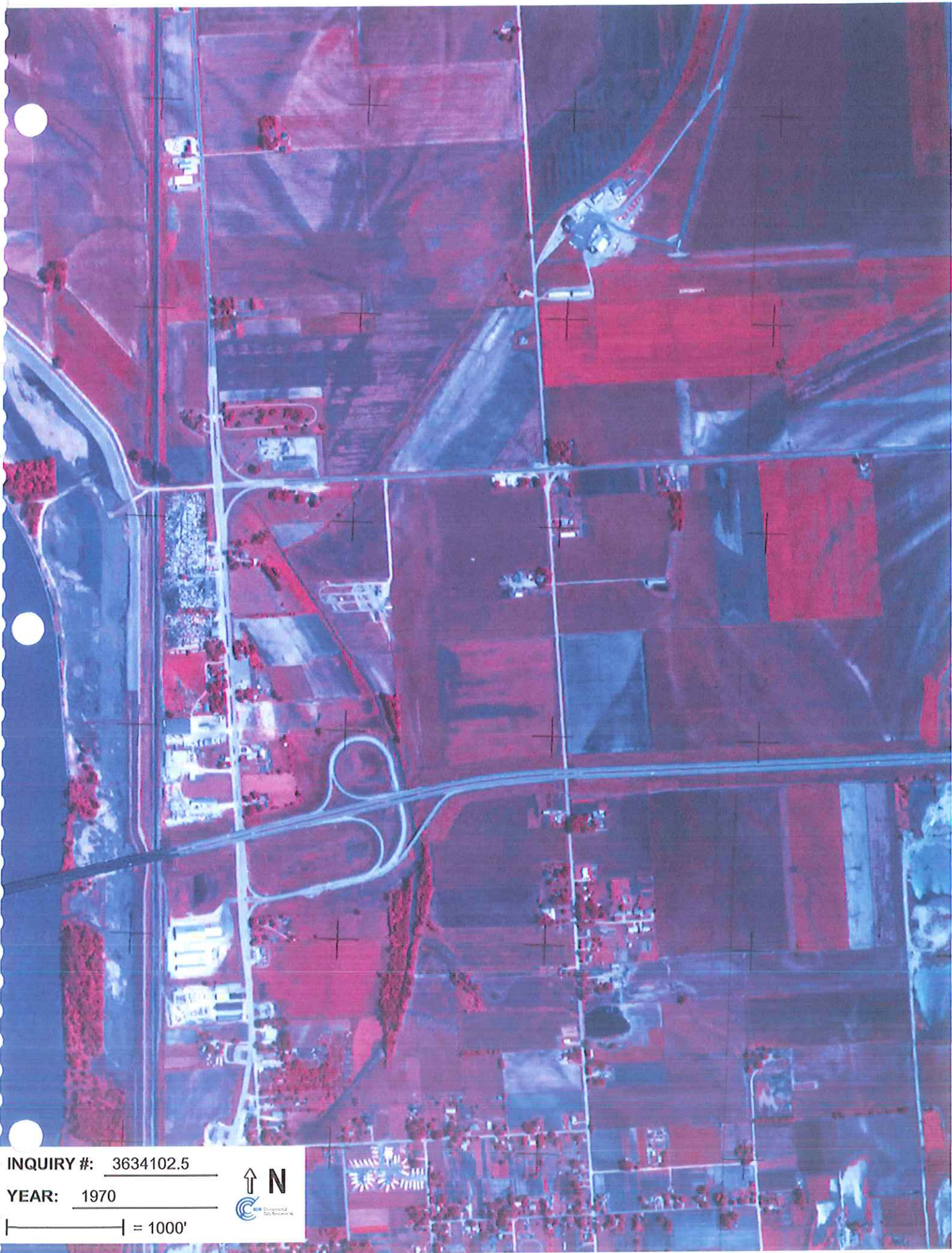


INQUIRY #: 3634102.5

YEAR: 1967

| = 500'





INQUIRY #: 3634102.5

YEAR: 1970

| = 1000'



INQUIRY #: 3634102.5

YEAR: 1977

1" = 750'

IN
E

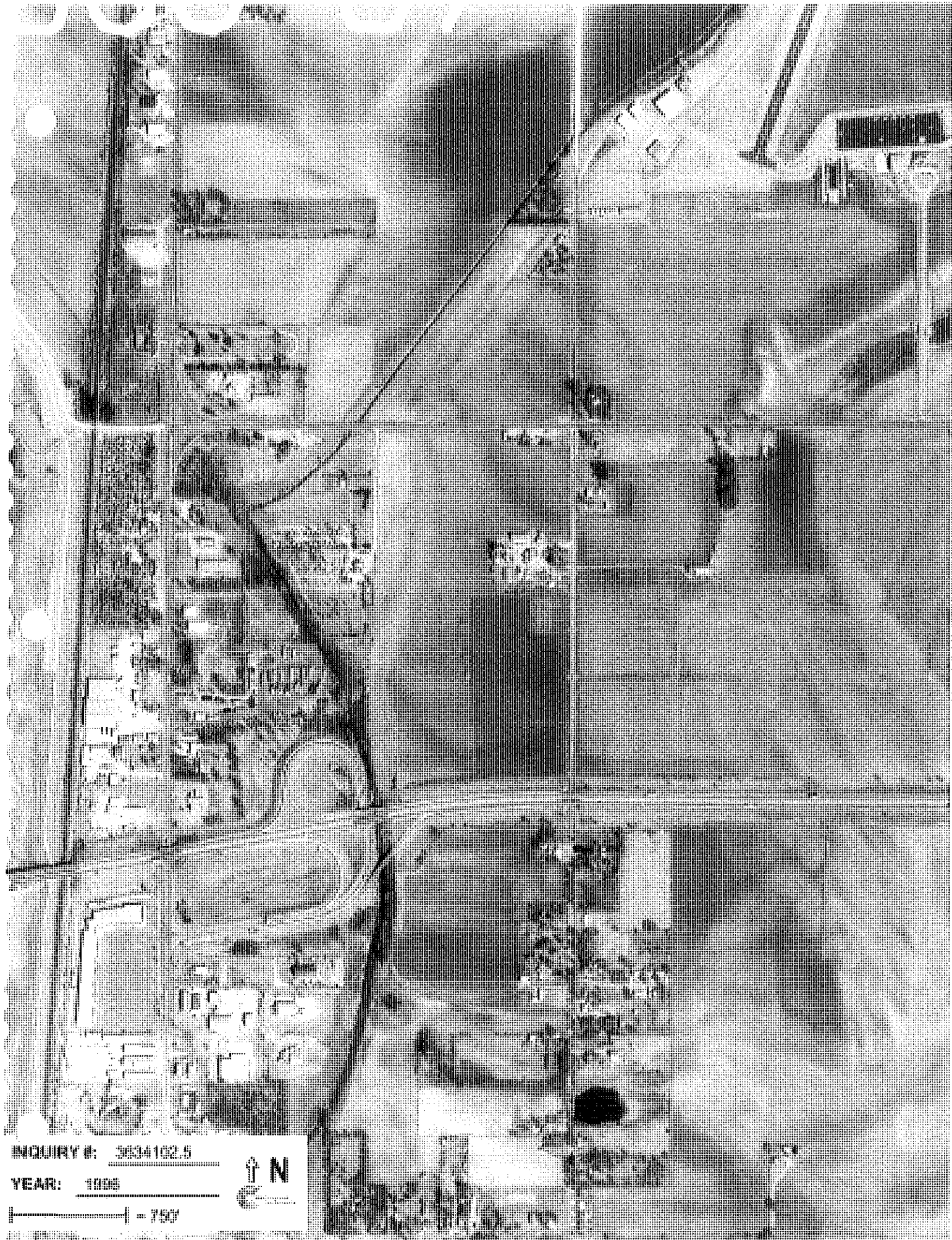


INQUIRY #: 3634102.5

YEAR: 1991

| = 750'



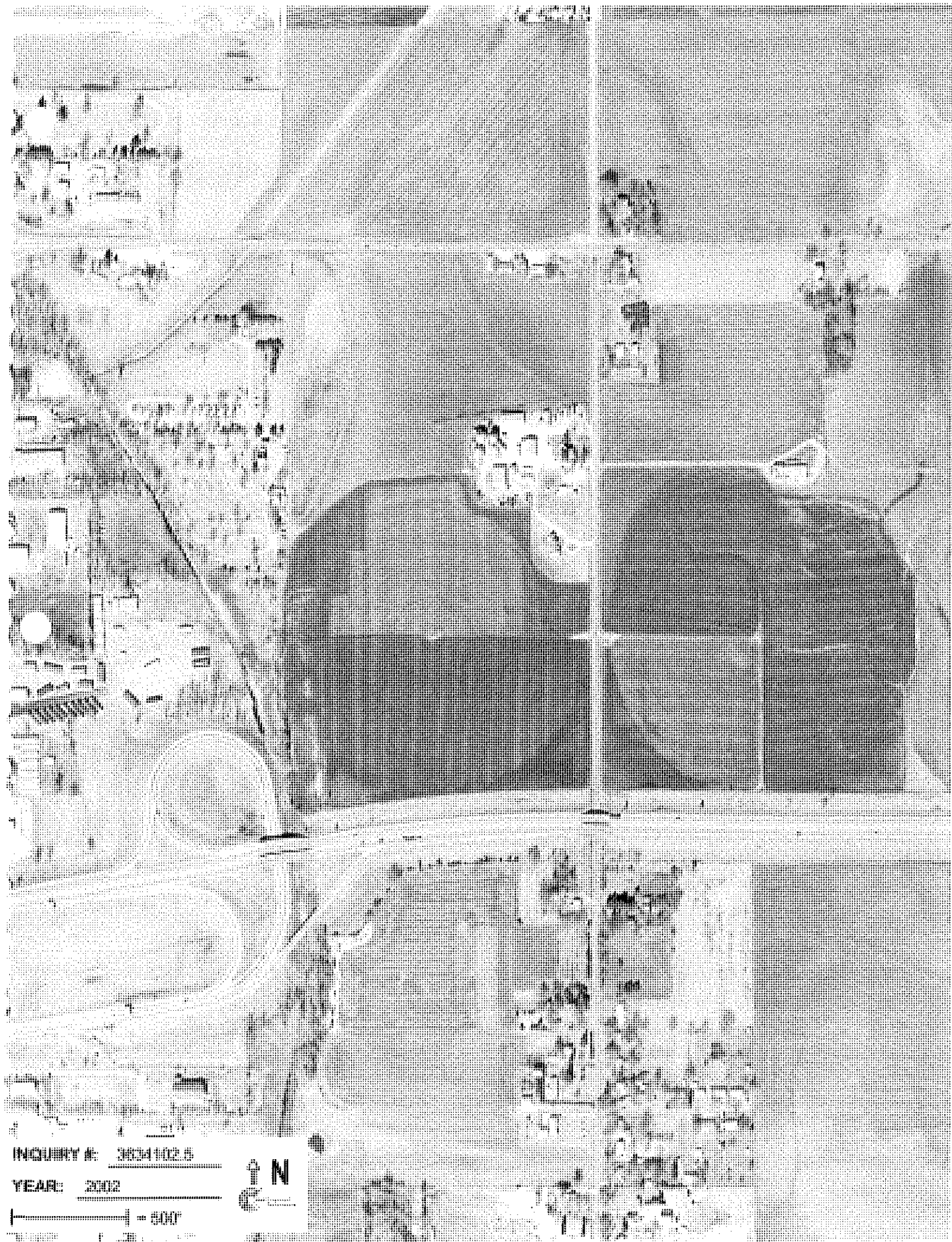


INQUIRY #: 9634102.5

YEAR: 1996

1000 = 1:500





INQUIRY #: 3604102.5

YEAR: 2002

1" = 500'





INQUIRY #: 3634102.5

YEAR: 2005

| = 500'





INQUIRY #: 3634102.5

YEAR: 2006

— = 500'



Environmental
Data Resources, Inc.



INQUIRY #: 3634102.5

YEAR: 2008

— = 500'






INQUIRY #: 3634102.5

YEAR: 2010

| = 500'





INQUIRY #: 3634102.5

YEAR: 2012

| = 500'



APPENDIX D-3
HISTORICAL TOPOGRAPHIC MAPS



Pine Farm

1783 East 1500 Road

Lawrence, KS 66044

Inquiry Number: 3634102.4

June 12, 2013

EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

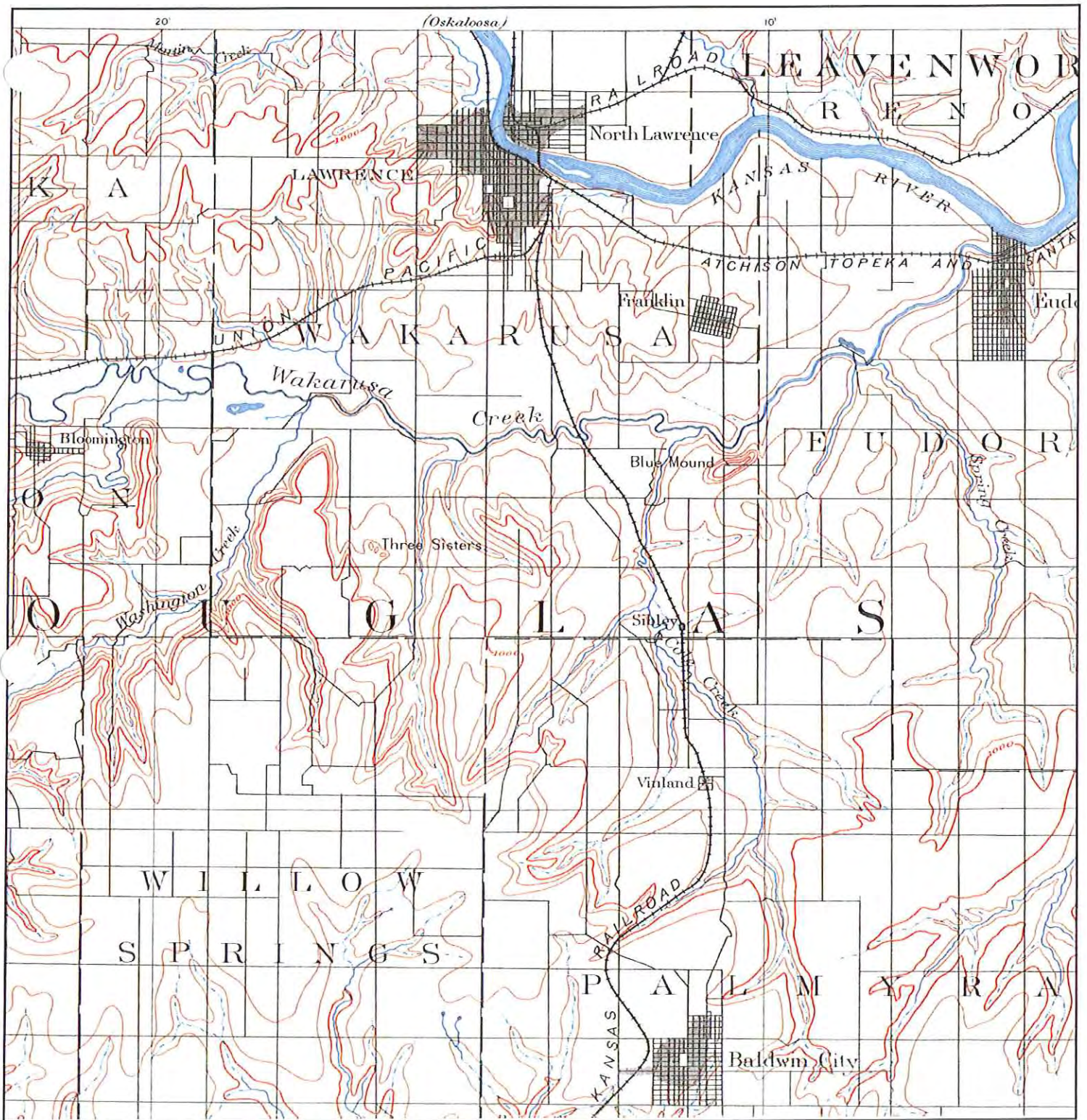
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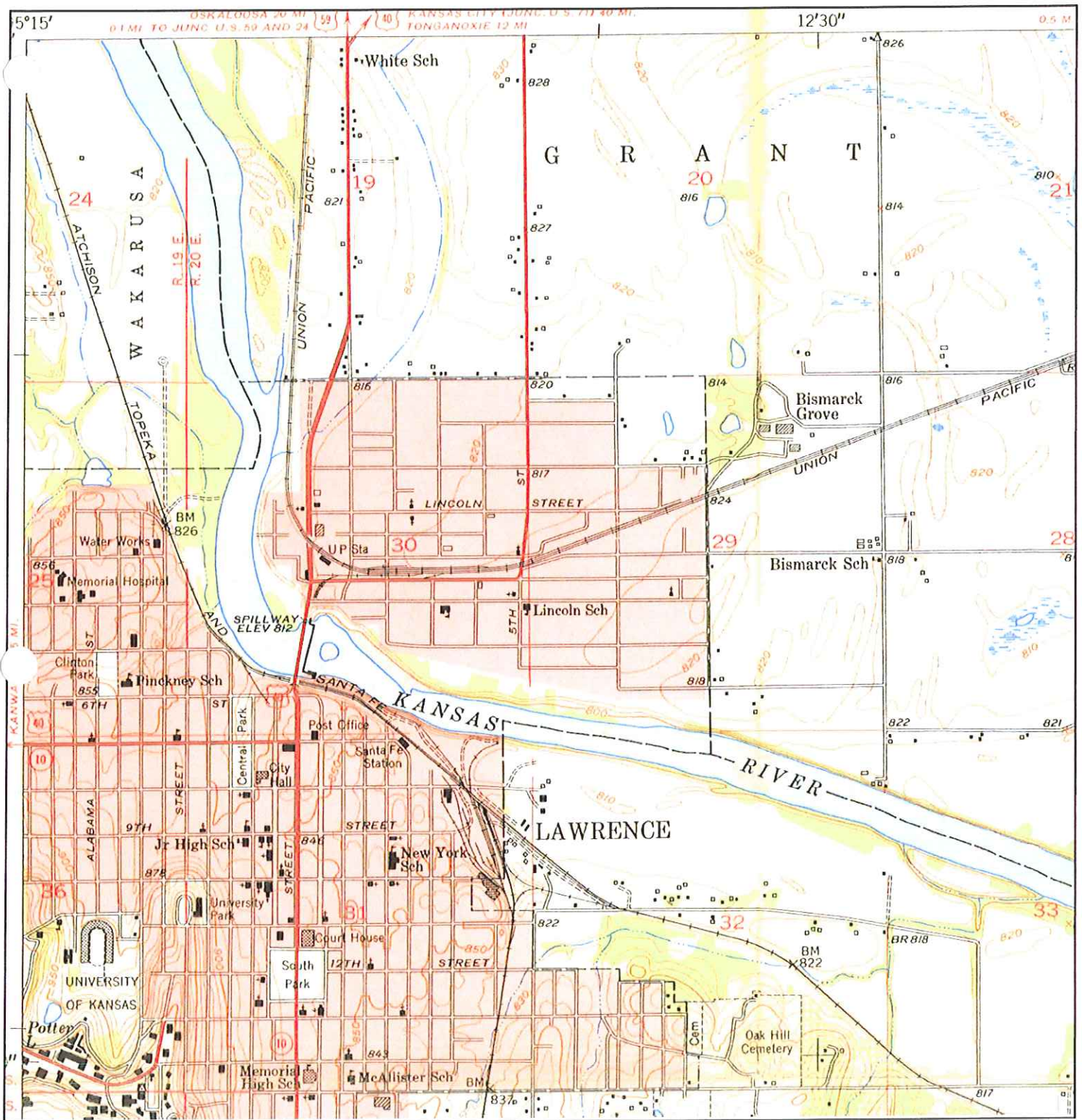
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Historical Topographic Map



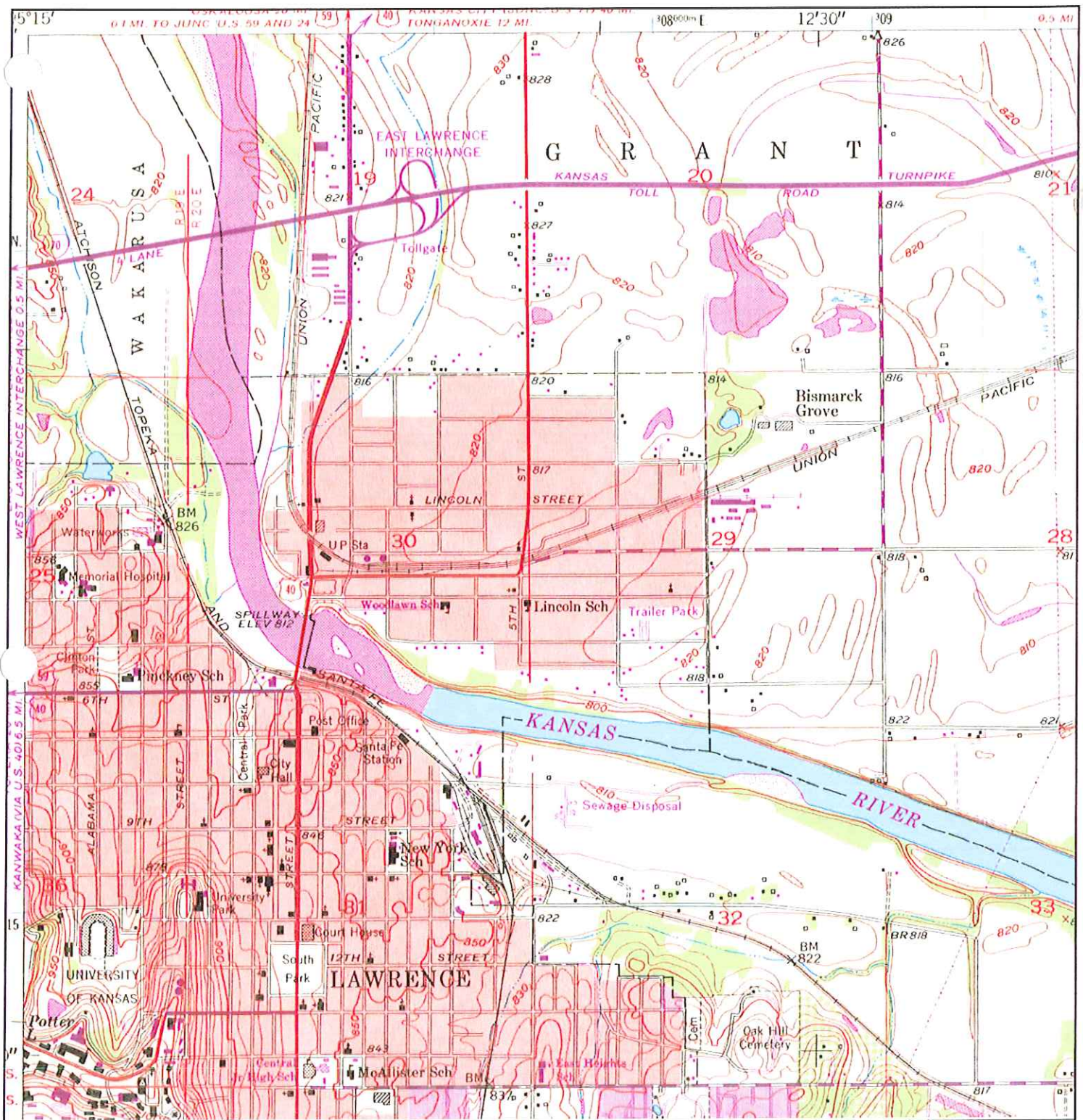
<div> <div>N</div> <div>I</div> </div>	TARGET QUAD NAME: LAWRENCE MAP YEAR: 1885	SITE NAME: Pine Farm ADDRESS: 1783 East 1500 Road Lawrence, KS 66044 LAT/LONG: 38.9962 / -95.2258	CLIENT: Patriot Abatement Services, LLC CONTACT: Greg Sharp INQUIRY#: 3634102.4 RESEARCH DATE: 06/12/2013
	SERIES: 30 SCALE: 1:125000		

Historical Topographic Map



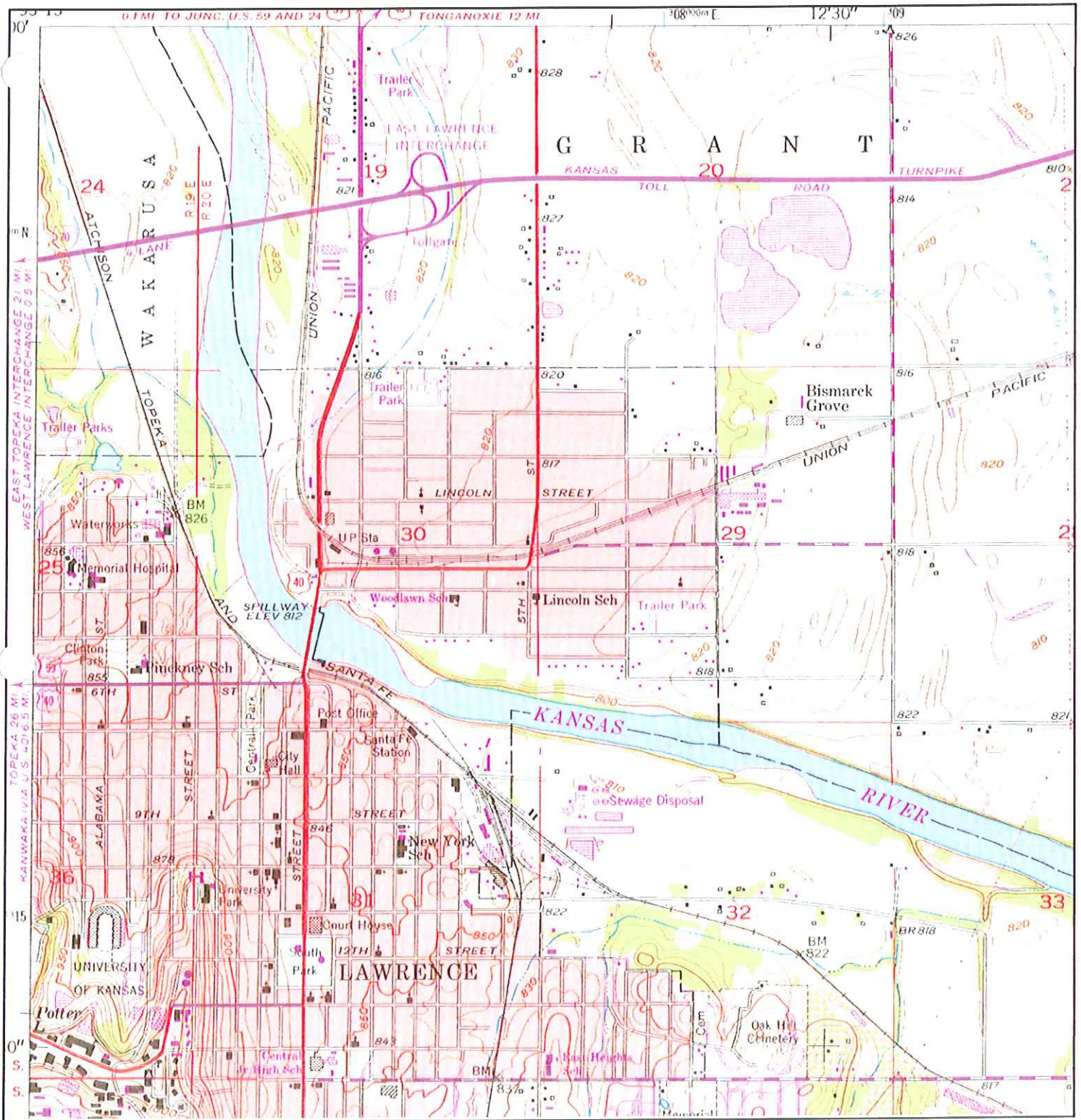
<div data-bbox="110 1801 133 1906" data-label="Image"> </div> <div data-bbox="168 1772 509 1961" data-label="Text"> <p>TARGET QUAD NAME: LAWRENCE EAST MAP YEAR: 1950</p> <p>SERIES: 7.5 SCALE: 1:24000</p> </div>	<div data-bbox="565 1772 938 1898" data-label="Text"> <p>SITE NAME: Pine Farm ADDRESS: 1783 East 1500 Road Lawrence, KS 66044</p> <p>LAT/LONG: 38.9962 / -95.2258</p> </div>	<div data-bbox="993 1772 1484 1898" data-label="Text"> <p>CLIENT: Patriot Abatement Services, LLC CONTACT: Greg Sharp INQUIRY#: 3634102.4 RESEARCH DATE: 06/12/2013</p> </div>
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Historical Topographic Map



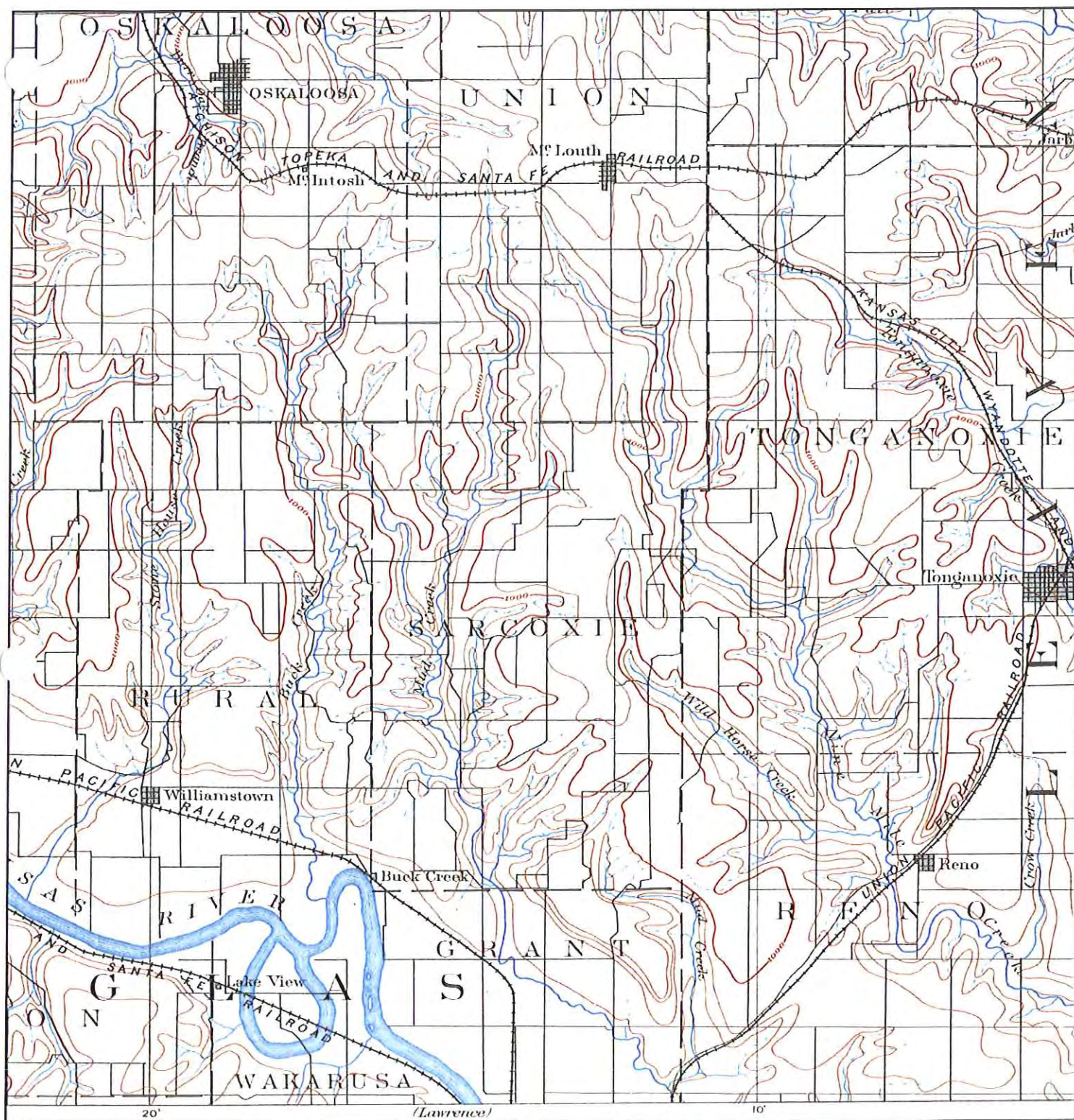
<p>TARGET QUAD NAME: LAWRENCE EAST MAP YEAR: 1967 PHOTOREVISED FROM : 1950 SERIES: 7.5 SCALE: 1:24000</p>	<p>SITE NAME: Pine Farm ADDRESS: 1783 East 1500 Road Lawrence, KS 66044 LAT/LONG: 38.9962 / -95.2258</p>	<p>CLIENT: Patriot Abatement Services, LLC CONTACT: Greg Sharp INQUIRY#: 3634102.4 RESEARCH DATE: 06/12/2013</p>
--	--	---

Historical Topographic Map



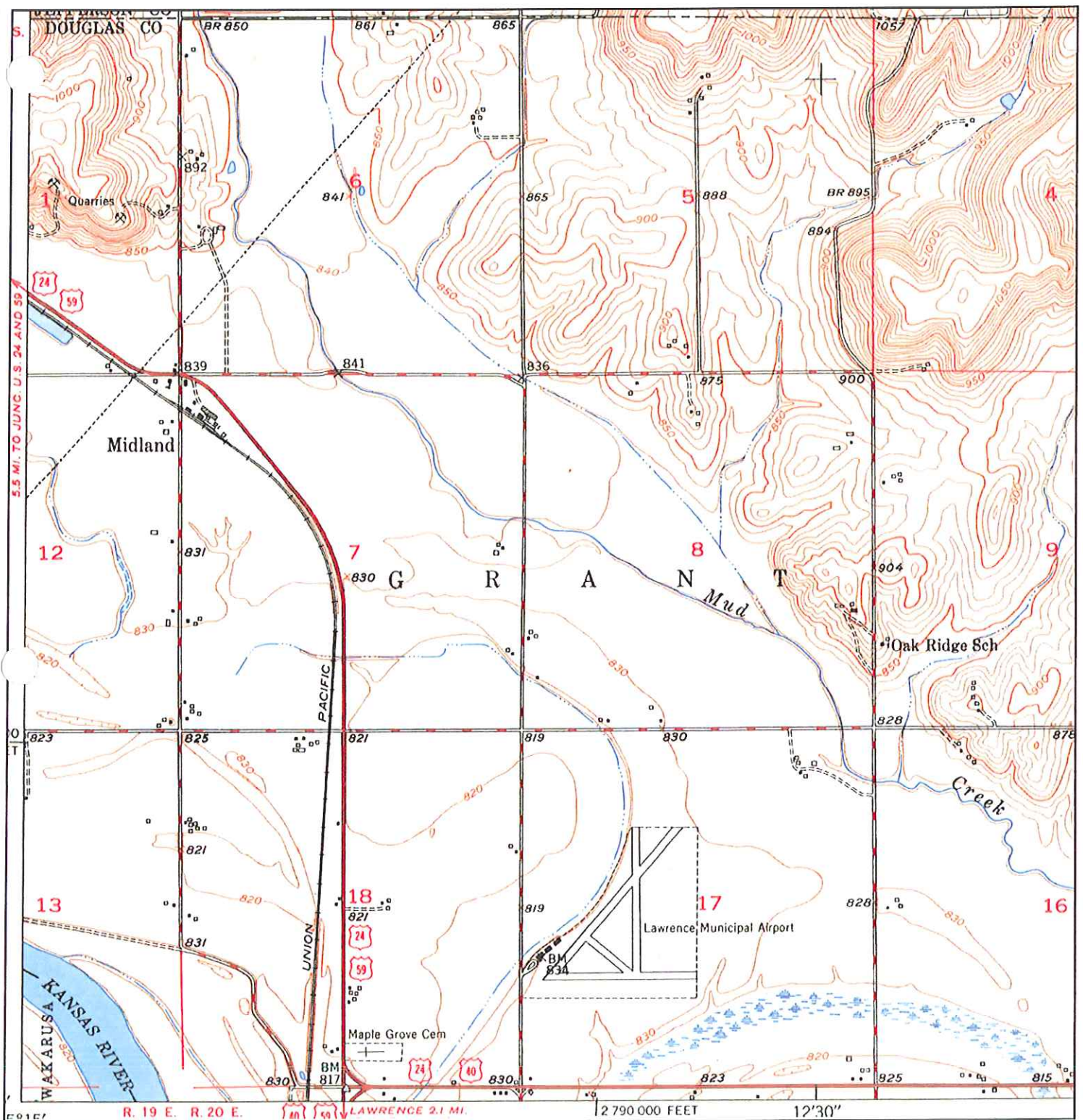
<p>N</p> <p>1</p> <p>TARGET QUAD</p> <p>NAME: LAWRENCE EAST</p> <p>MAP YEAR: 1978</p> <p>PHOTOREVISED FROM : 1950</p> <p>SERIES: 7.5</p> <p>SCALE: 1:24000</p>	<p>SITE NAME: Pine Farm</p> <p>ADDRESS: 1783 East 1500 Road Lawrence, KS 66044</p> <p>LAT/LONG: 38.9962 / -95.2258</p>	<p>CLIENT: Patriot Abatement Services, LLC</p> <p>CONTACT: Greg Sharp</p> <p>INQUIRY#: 3634102.4</p> <p>RESEARCH DATE: 06/12/2013</p>
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Historical Topographic Map



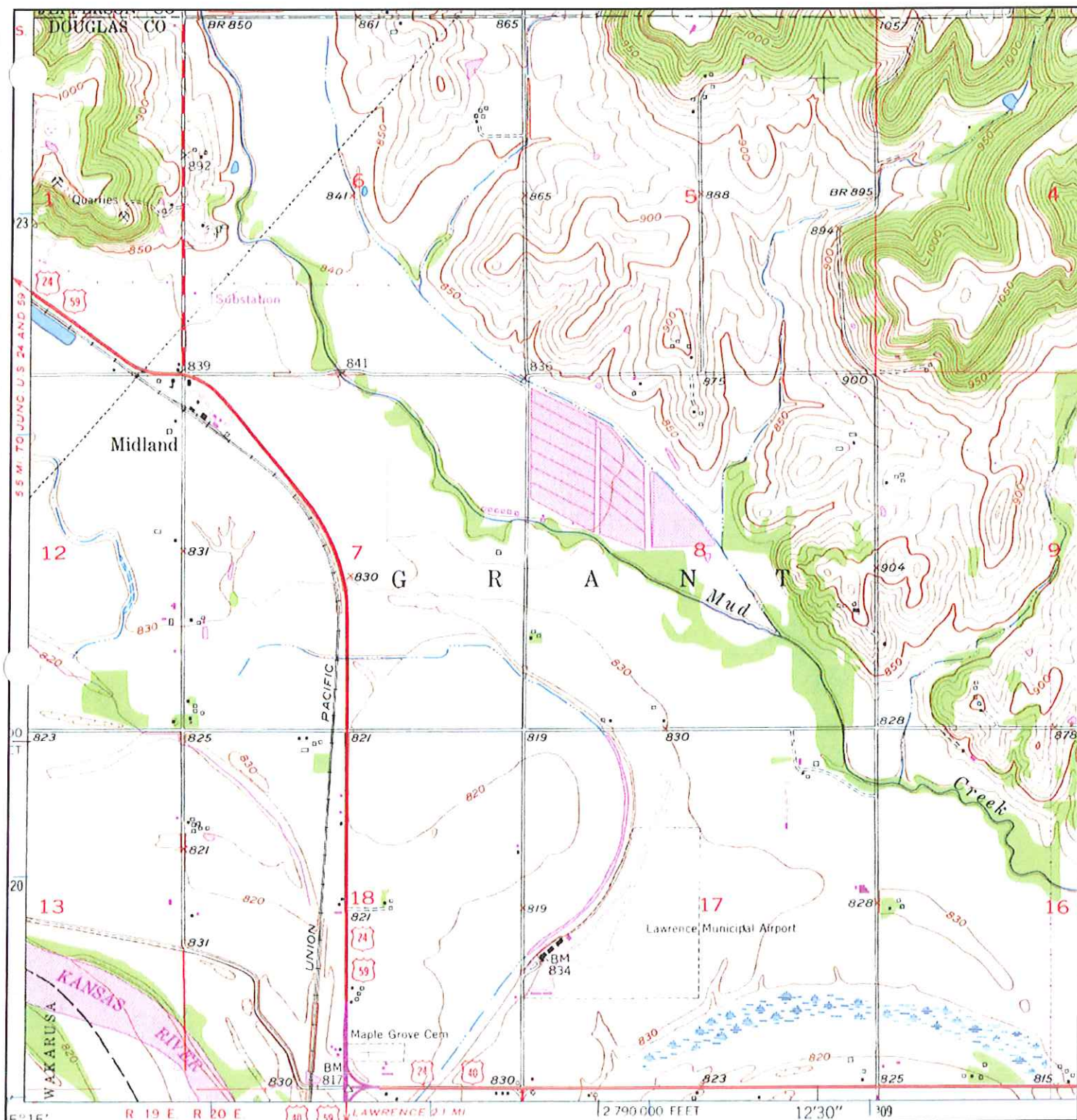
<div data-bbox="110 1793 142 1898" data-label="Image"> </div>	ADJOINING QUAD		
	NAME: OSKALOOSA	SITE NAME: Pine Farm	CLIENT: Patriot Abatement Services, LLC
	MAP YEAR: 1894	ADDRESS: 1783 East 1500 Road Lawrence, KS 66044	CONTACT: Greg Sharp
	SERIES: 30	LAT/LONG: 38.9962 / -95.2258	INQUIRY#: 3634102.4
	SCALE: 1:125000		RESEARCH DATE: 06/12/2013

Historical Topographic Map



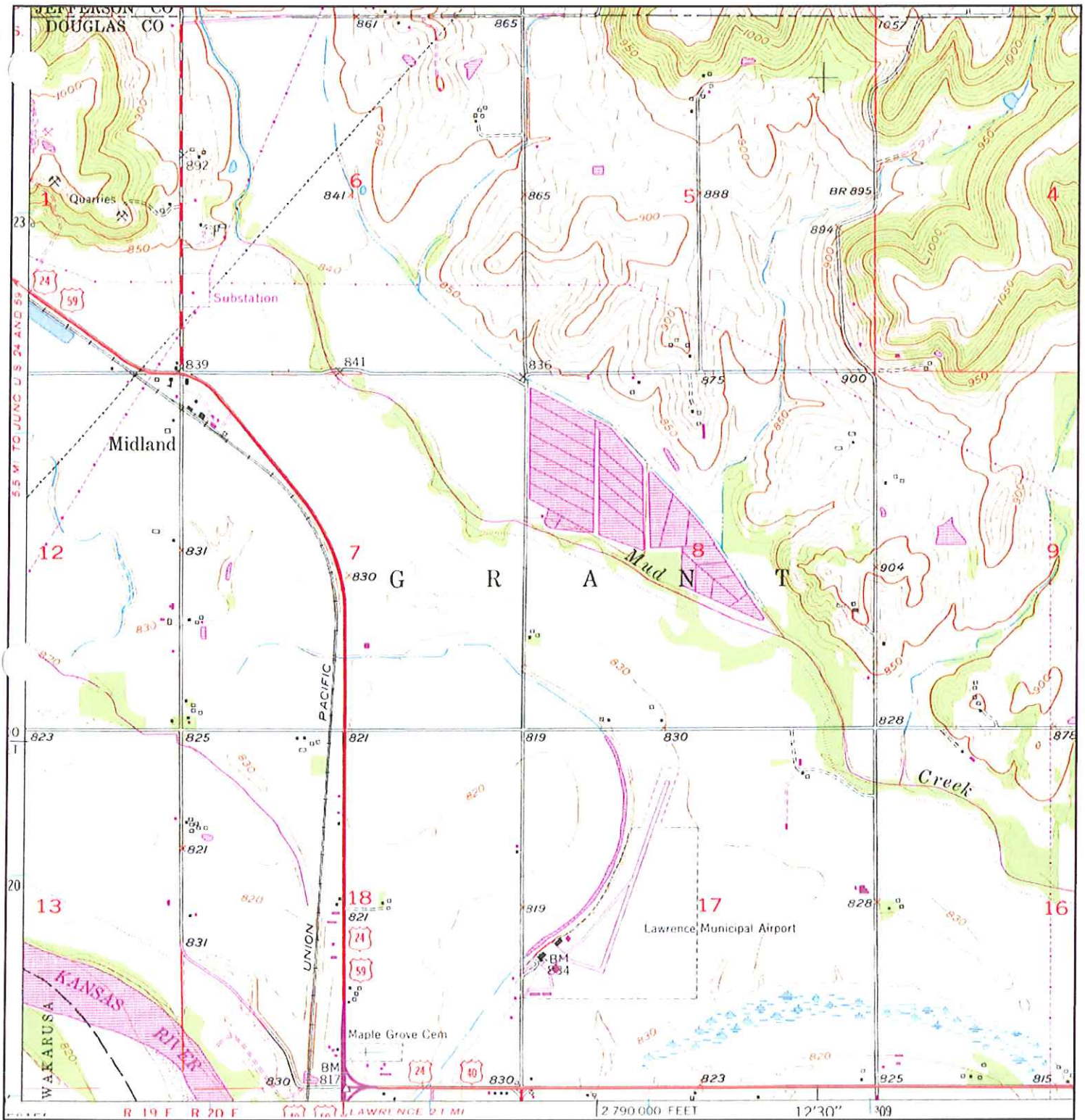
<div style="text-align: center;">  <p>N</p> </div>	ADJOINING QUAD		
	NAME: MIDLAND	SITE NAME: Pine Farm	CLIENT: Patriot Abatement Services, LLC
	MAP YEAR: 1951	ADDRESS: 1783 East 1500 Road Lawrence, KS 66044	CONTACT: Greg Sharp
	SERIES: 7.5	LAT/LONG: 38.9962 / -95.2258	INQUIRY#: 3634102.4
	SCALE: 1:24000		RESEARCH DATE: 06/12/2013

Historical Topographic Map



<p>N</p> <p>1</p>	<p>ADJOINING QUAD</p> <p>NAME: MIDLAND</p> <p>MAP YEAR: 1967</p> <p>PHOTOREVISED FROM :1950</p> <p>SERIES: 7.5</p> <p>SCALE: 1:24000</p>	<p>SITE NAME: Pine Farm</p> <p>ADDRESS: 1783 East 1500 Road Lawrence, KS 66044</p> <p>LAT/LONG: 38.9962 / -95.2258</p>	<p>CLIENT: Patriot Abatement Services, LLC</p> <p>CONTACT: Greg Sharp</p> <p>INQUIRY#: 3634102.4</p> <p>RESEARCH DATE: 06/12/2013</p>
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Historical Topographic Map



<p>N 1</p>	<p>ADJOINING QUAD NAME: MIDLAND MAP YEAR: 1978 PHOTOREVISED FROM :1950 SERIES: 7.5 SCALE: 1:24000</p>	<p>SITE NAME: Pine Farm ADDRESS: 1783 East 1500 Road Lawrence, KS 66044 LAT/LONG: 38.9962 / -95.2258</p>	<p>CLIENT: Patriot Abatement Services, LLC CONTACT: Greg Sharp INQUIRY#: 3634102.4 RESEARCH DATE: 06/12/2013</p>
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APPENDIX D-4
HISTORICAL CITY DIRECTORIES

Pine Farm

1783 East 1500 Road
Lawrence, KS 66044

Inquiry Number: 3634102.6
June 14, 2013

The EDR-City Directory Image Report



Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

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EXECUTIVE SUMMARY

DESCRIPTION

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

RESEARCH SUMMARY

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

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2013	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1999	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1994	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1989	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1984	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1979	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1974	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1969	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1963	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

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FINDINGS

TARGET PROPERTY STREET

1783 East 1500 Road
Lawrence, KS 66044

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>East 1500 Road</u>			
2013	pg A1	Polk's City Directory	
2008	pg A2	Polk's City Directory	
2003	pg A3	Polk's City Directory	
1999	pg A4	Polk's City Directory	
1999	pg A5	Polk's City Directory	
1994	-	Polk's City Directory	Street not listed in Source
1989	-	Polk's City Directory	Street not listed in Source
1984	-	Polk's City Directory	Street not listed in Source
1979	-	Polk's City Directory	Street not listed in Source
1974	-	Polk's City Directory	Street not listed in Source
1969	-	Polk's City Directory	Street not listed in Source
1963	-	Polk's City Directory	Street not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

East 1500 Road

2013

+ N 1250TH RD INTERSECTS

+ HASKELL AVE INTERSECTS

+ N 7TH ST INTERSECTS

• ZIP CODE 66044 CAR-RT R003

1701 Shepard Stanley L Sr & Gwendlyn L ✓ [37] ♣ (1956)

785-842-0194

1710 Edgerton Peggy J ✓ [7] ♣ (1961) 785-842-0308

1713 Beedles Maggie ✓ [6] ♣ (1961) 785-856-3459

1715 Elliott Calvert D & Frances J ✓ [40] ♣ (1956) 785-843-9218

1722 KEYS LANDSCAPE INC landscape contractors ✓ @

785-856-3140

Keys Stephen M & Lisa A ✓ @ [10] ♣ (1961)

1723 AMERICAN EQUIPMENT SALES trucks-industrial ✓ @

785-843-4500

Heine Vernon C [4] ♣ (1961)

Heine Clay

1724 Thompson Dorothy J ✓ [40] ♣ (1956) 785-843-6090

1726 Massey Walter & Hazel E ✓ [40] ♣ (1956) 785-842-1323

1728 Daniel Kathleen M ✓ [37] ♣ (1961) 785-842-3402

1733 Pettengill William F & Jamie L ✓ [7] ♣ (1961) 785-749-5763

1735 Williams Lane E ✓ [8] ♣ (1961) 785-856-5988

1736 McClelland MI ✓ [19] ♣ (1956) 785-842-7628

McClelland Dustin 785-842-7628

1738 No Current Listing

1740 Cook Harold D & Muriel D ✓ [6] ♣ (1961) 785-843-4374

COOKS BARBQUE caterers ✓ @ 785-843-4374

1741 Pine Marvin E & Kathryn J ✓ @ [27] ♣ (1956) 785-841-8430

1748 Marino Dan J & Kim L ✓ [8] ♣ (1961) 785-843-8406

1749 No Current Listing

1777 Pine Brian D & Kathleen R ✓ [16] ♣ (1956) 785-838-3777

1783 PINE FAMILY FARMS sod & sodding serv ✓ @ 785-843-6949

Pine Roger C & Sue A ✓ [39] ♣ (1956)

N Wilbur Wade A ✓

1783 1/2 Wolfram Rodger A ✓ [5] ♣ (1961)

Wolfram Erin

1792 N Painter Wendy L ✓ @ ♣ (1961) 785-840-0180

Painter Timothy P 785-840-0180

1796 Warren Florence M ✓ [28] ♣ (1961) 785-843-1613

1804 Stagg Earl ✓ [5] 785-856-0266

UNIVERSITY PHOTOGRAPHY INC photographers- portrait ✓ @

785-843-5279

1821 McKee Thomas B & Nancy A ✓ @ [25] ♣ (1956)

1829 Hixson Don H ✓ [30] ♣ (1956) 785-841-5177

Hixson Lisa 785-841-5177

1831 No Current Listing

1867 Beightel Clarence W III & Karen A ✓ @ [19] ♣ (1956)

+ N 1900 RD INTERSECTS

1924 Schmeelk William G Jr ✓ [18] ♣ (1961) 785-841-5373

+ N 1900TH RD BEGINS

East 1500 Road

2008

+ HASKELL AVE INTERSECTS

+ HIGHWAY 40 CONTINUES

+ N 7TH ST INTERSECTS

• ZIP CODE 66044 CAR-RT R004

1701 Shepard Stanley L Sr [32] ▲ 785-842-0194

Shepard Gawn L 785-842-0194

1710 Edgerton Peggy J [2] ▲ 785-842-0308

Edgerton Jim L 785-842-0308

1713 ☎ Beedles Maggie 785-856-3459

1715 Elliott Calvert D [35] ▲ 785-843-9218

1722 Keys Stephen M [11] ▲

Keys Megan

1723 No Current Listing

1724 Thompson Allen [35] ▲ 785-843-6090

Thompson Dorothy J 785-843-6090

1726 Massey Walter [25] ▲ 785-842-1323

1728 No Current Listing

1733 Pettengill William F & Jamie L [3] ▲ 785-749-5763

1735 Williams Lane E [4] ▲ 785-856-5988

1736 McClelland Melvin L & Ann B [14] ▲ 785-842-7628

1738 ☎ Valley Kayla

1740 No Current Listing

1741 Pine Marvin E [22] ▲ 785-841-8430

Pine Kathryn J 785-841-8430

1748 Marino Daniel J & Kim L [3] 785-843-8406

1749 No Current Listing

1777 Pine Brian D [11] ▲ 785-838-3777

Pine Kathleen R 785-838-3777

1783 PINE FAMILY FARMS sod & sodding serv 785-843-6949

Pine Roger C [34] ▲

Pine Drian D

1792 ☎ Trujillo Wanda L

Trujillo Simon

1796 Warren Ezra W & Florence M [23] ▲ 785-843-1613

• ZIP CODE 66044 CAR-RT R003

1804 UNIVERSITY PHOTOGRAPHY INC photographers- portrait

..... 785-843-5279

1821 MC KEE POOL & LANDSCAPE swimming pool contrs dlr/desi

..... 785-843-9119

McKee Thomas B & Nancy A [20] ▲

1829 Hixson Don [25] ▲ 785-841-5177

1831 Erhart Delbert F & June E [13] 785-312-9197

1867 Beightel Karen A [14] ▲

Beightel Clarence W III

1924 Schmeelk William G Jr [13] ▲ 785-841-5373

+ N 1950TH RD INTERSECTS

+ N 1950TH RD INTERSECTS

+ N 2000TH RD INTERSECTS

East 1500 Road

2003

+ HASKELL AVE INTERSECTS

+ N 1250 RD INTERSECTS

+ HIGHWAY 40 INTERSECTS

• ZIP CODE 66044 CAR-RT R004

1701 Shepard Stanley L Sr & Gwendlyn L [20]▲

.....785-842-0194

1713 Not Verified

1715 Elliott Calvert D [20]▲785-843-9218

Elliott Joann785-843-9218

1722 KEYSTONE LANDSCAPE landscape

contractors785-312-8730

1723 Willis Memory A [2]785-843-2178

1724 Thompson Allen [20]▲785-843-6090

Thompson Dorothy J785-843-6090

1726 Massey Walter [20]▲785-842-1323

1728 - 1731 Not Verified (2 Hses)

1733 Black Dale F [20]▲785-843-2777

Black Bonnie J785-843-2777

1735 Minnick Bradley C [5]▲785-832-2565

Minnick Heather K785-832-2565

1736 Not Verified

1738 ☎ Dover J785-830-9180

1740 Burnett Darwin E [2]▲785-843-2833

Burnett Barb785-843-2833

1741 Pine Marvin E & Kathryn J [17]▲

.....785-841-8430

1748 Moreno Daniel J & Kim L [12]▲ ..785-843-8406

1749 Miltner Blaine H [14]▲785-842-8118

1777 Pine Brian D & Kathleen R [6]▲

.....785-838-3777

1783 PINE FAMILY FARMS GRASS/GRAIN sod &

sodding serv785-843-6954

PINE FAMILY SECURITIES stock & bond

brokers785-843-6949

Pine Roger C [20]▲785-838-9003

Pine Sue A785-838-9003

1792 Pine Ralph E Jr [20]▲785-843-6087

Pine June L785-843-6087

1796 Warren Ezra W [18]▲785-843-1613

Warren Florence M785-843-1613

• ZIP CODE 66044 CAR-RT R003

1804 UNIVERSITY PHOTOGRAPHY

photographers- portrait785-843-5279

1821 McKee Thomas B & Bruce T [15]▲

.....785-843-1259

1827 Not Verified

1829 Hixson Donald [20]▲785-841-5177

1831 Erhart Delbert F & June E [7]▲

.....785-312-9197

1867 Beightel Eric [9]▲785-865-1617

Beightel Karen A785-865-1617

+ N 1900 RD INTERSECTS

1924 Schmeelk William G Jr [8]▲785-841-5373

+ N 1950 RD INTERSECTS

East 1500 Road

1999

+ HORIZON DR BEGINS

+ HASKELL AVE ENDS

+ N 7TH ST ENDS

· ZIP CODE 66044 CAR-RT R004

1701 Shepard Gwen L [6] 842-0194

Shepard Stanley L Sr 842-0194

1710 Beebe Donna S [5] ▲

Beebe Terry L

+ N 1708TH RD BEGINS

1715 [N] Elliott C D 843-9218

1722 Clark Richard L & Virginia [9]+ ▲

..... 842-4998

1723 Wilson Beverly M [9]+ ▲ 842-3781

1724 Not Verified

1726 Massey Walter [6] 842-1323

1728 Daniel Kathleen M [6] ▲ 842-3402

1731 [N] Black Larry D 842-6380

LAR-M LEE QUILTING repair svcs

..... 842-6380

1733 Black Dale F [6] ▲ 843-2777

Black B J 843-2777

+ N 1732ND RD BEGINS

1735 Vining David A & Leslie [7] 841-8617

1736 [N] McClanno Ann ▲

1738 [N] Roberts K J 842-5827

1740 Phelps M R [6] 843-2737

1741-1748 Not Verified (2 Hses)

1749 Miltner Blaine [5] 842-8118

1777 Pine Brian D [2] ▲ 838-3777

Pine Kathleen R 838-3777

1783 Pine Roger C [6] 838-9003

Pine Sue A 838-9003

East 1500 Road

1999

E 1500TH RD (L)**cont'd**

PINE FAMILY FARMS PARTNERSHIP

gen farms prim crop 843-6949

1792 Pine June L [6] ▲ 843-6087

Pine Ralph E Jr 843-6087

1796 Warren Wesley N [6] 843-1613

+ HIGHWAY 40 INTERSECTS**. ZIP CODE 66044 CAR-RT R003**

1821 McKee Thomas B [9]+ ▲ 843-1259

McKee Nancy A 843-1259

MCKEE POOL & LANDSCAPING spcl

trd cntrs 843-6257

1829 Not Verified

1867 Beightel C W [2] 865-1617

Beightel Eric 865-1617

1924 [N] Schmeelk William G Jr 841-5373

APPENDIX E
Legal Descriptions

AMENDMENT #1

This is an Amendment to one certain Sales Contract dated May 24, 2013 between Brian D. Pine and Kathleen R. Pine, Seller and LTI Enterprises, LLC, a Kansas limited liability company (Amended hereto from paragraph 1. **PARTIES**), Buyer for the Property described as:

1777 E. 1500 Road
Lawrence, KS 66044

It is hereby understood and agreed that:

1. Pursuant to paragraph 5. **CLOSING DATE:** Advance to July 10, 2013.

2. Pursuant to paragraph 7. **TITLE INSURANCE:** Extend the due date for Buyer to receive the "title commitment" to June 21, 2013.

Carefully read the terms hereof before signing. When signed by all parties, this document becomes part of a legally binding contract. If not understood, consult an attorney before signing. All other terms and conditions shall remain the same and in full force.

Brian D. Pine
Seller

date

LTI Enterprises, LLC
a Kansas limited liability company
Buyer

date

7/10/13

Kathleen R. Pine
Seller

date

AMENDMENT #1

This is an Amendment to one certain Sales Contract dated May 24, 2013 between Pine Family Investments, LC a Kansas limited liability company (Amended hereto from paragraph 1. **PARTIES**), Seller and LTI Enterprises, LLC, a Kansas limited liability company (Amended hereto from paragraph 1. **PARTIES**), Buyer for the Property described as:

1783 E. 1500 Road (Approximately 20 acres)
Lawrence, KS 66044

It is hereby understood and agreed that:

1. Pursuant to paragraph 2. **PROPERTY:** Amend the Legal Description to read "A TRACT OF LAND IN THE NORTHWEST QUARTER OF SECTION 20, TOWNSHIP 12 SOUTH, RANGE 20 EAST OF THE 6TH P.M., DOUGLAS COUNTY, KANSAS, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF SAID QUARTER SECTION; THENCE NORTH 02°13'28" WEST, 327.26 FEET ALONG THE EAST LINE OF SAID QUARTER SECTION TO THE NORTHERLY RIGHT-OF-WAY LINE OF THE KANSAS TURNPIKE AND THE POINT OF BEGINNING; THENCE SOUTH 88°55'45" WEST, 513.86 FEET ALONG SAID KANSAS TURNPIKE RIGHT-OF-WAY; THENCE SOUTH 72°13'45" WEST, 52.20 FEET ALONG SAID RIGHT-OF-WAY; THENCE SOUTH 88°55'45" WEST, 311.84 FEET ALONG SAID RIGHT-OF-WAY; THENCE NORTH 02°13'28" WEST, 996.41 FEET TO THE SOUTH LINE OF THE NORTHEAST QUARTER OF SAID NORTHWEST QUARTER; THENCE NORTH 87°56'30" EAST, 875.82 FEET TO THE SOUTHEAST CORNER OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 20; THENCE SOUTH 02°13'28" EAST, 996.50 FEET ALONG THE EAST LINE OF SAID NORTHWEST QUARTER TO THE POINT OF BEGINNING. CONTAINS 20.000 ACRES MORE OR LESS.."
2. Pursuant to paragraph 5. **CLOSING DATE:** Advance to July 10, 2013.
3. Pursuant to paragraph 7. **TITLE INSURANCE:** Extend the due date for Buyer to receive the "title commitment" to June 21, 2013.

Carefully read the terms hereof before signing. When signed by all parties, this document becomes part of a legally binding contract. If not understood, consult an attorney before signing. All other terms and conditions shall remain the same and in full force.

Brian D. Pine, Representative
Pine Family Investments, LC
a Kansas limited liability company
Seller

date

Nathan H. Young, Representative
LTI Enterprises, LLC
a Kansas limited liability company
Buyer

date

7/1/13

AMENDMENT #1

This is an Amendment to one certain Sales Contract dated May 24, 2013 between Pine Family Investments, LC a Kansas limited liability company (Amended hereto from paragraph 1. PARTIES), Seller and LTI Enterprises, LLC, a Kansas limited liability company (Amended hereto from paragraph 1. PARTIES), Buyer for the Property described as 1783 E. 1500 Road (*Approximately 80 acres- AMENDED BELOW), Lawrence, KS 66044.

It is hereby understood and agreed that:

1. Pursuant to paragraph 2, **PROPERTY:** Amend to *Approximately 66.779 Acres. The Legal Description shall read "A TRACT OF LAND IN THE NORTHEAST QUARTER OF SECTION 19 AND THE NORTHWEST QUARTER OF SECTION 20, ALL IN TOWNSHIP 12 SOUTH, RANGE 20 EAST OF THE 6TH P.M., DOUGLAS COUNTY, KANSAS, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF THE NORTHEAST QUARTER OF SAID SECTION 19; THENCE NORTH 02°16'21" WEST, 358.21 FEET ALONG THE EAST LINE OF SAID NORTHEAST QUARTER TO THE POINT OF BEGINNING; THENCE ALONG THE NORTHERLY RIGHT-OF-WAY OF THE KANSAS TURNPIKE SOUTH 88°56'34" WEST, 33.01 FEET TO THE WEST RIGHT-OF-WAY OF 7TH STREET; THENCE ALONG SAID WEST RIGHT-OF-WAY, NORTH 02°16'21" WEST 25.00 FEET TO THE NORTHERLY RIGHT-OF-WAY OF THE KANSAS TURNPIKE; THENCE NORTH 87°18'33" WEST, ALONG SAID NORTHERLY RIGHT-OF-WAY LINE, 854.57 FEET; THENCE NORTH 75°24'42" WEST, 449.90 FEET ALONG SAID NORTHERLY RIGHT-OF-WAY; THENCE CONTINUING ALONG SAID NORTHERLY RIGHT-OF-WAY, NORTH 12°04'31" WEST, 39.10 FEET TO THE INTERSECTION OF THE WEST LINE OF THE EAST ONE HALF OF THE NORTHEAST QUARTER OF SAID SECTION 19; THENCE NORTH 02°16'00" WEST, 885.10 FEET ALONG THE WEST LINE OF SAID EAST ONE HALF; THENCE NORTH 87°43'39" EAST, 761.91 FEET; THENCE SOUTH 02°16'21" EAST, 390.00 FEET; THENCE NORTH 87°43'39" EAST, 559.58 FEET TO THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 19; THENCE NORTH 02°16'21" WEST, 202.08 FEET ALONG THE EAST LINE OF SAID NORTHEAST QUARTER; THENCE NORTH 87°56'30" EAST, 1777.58 FEET ALONG THE SOUTH LINE OF THE NORTH ONE HALF OF THE NORTHWEST QUARTER OF SAID SECTION 20; THENCE SOUTH 02°13'28" EAST, 996.41 FEET TO THE NORTHERLY RIGHT-OF-WAY LINE OF THE KANSAS TURNPIKE; THENCE SOUTH 88°55'45" WEST, 1163.16 FEET ALONG SAID NORTHERLY RIGHT-OF-WAY; THENCE NORTH 69°24'56" WEST, 26.90 FEET ALONG SAID NORTHERLY RIGHT-OF-WAY; THENCE NORTH 86°58'57" WEST, 350.86 FEET ALONG SAID NORTHERLY RIGHT-OF-WAY; THENCE SOUTH 88°55'45" WEST, 206.72 FEET ALONG SAID NORTHERLY RIGHT-OF-WAY LINE OF THE KANSAS TURNPIKE TO THE EASTERLY RIGHT-OF-WAY LINE OF 7TH STREET; THENCE SOUTH 02°16'21" EAST, 35.00 FEET ALONG SAID EASTERLY RIGHT-OF-WAY; THENCE ALONG SAID NORTHERLY RIGHT-OF-WAY SOUTH 88°56'34" WEST, 33.01 FEET TO THE POINT OF BEGINNING. CONTAINS 66.779 ACRES MORE OR LESS."
2. Pursuant to paragraph 4, **PURCHASE PRICE:** Amend to \$667,790.00.
3. Pursuant to paragraph 5, **CLOSING DATE:** Advance to July 10, 2013.
4. Pursuant to paragraph 7, **TITLE INSURANCE:** Extend the due date for Buyer to receive the "title commitment" to June 21, 2013.

Carefully read the terms hereof before signing. When signed by all parties, this document becomes part of a legally binding contract. If not understood, consult an attorney before signing.

All other terms and conditions shall remain the same and in full force.

Brian D. Pine, Representative
Pine Family Investments, LC
a Kansas limited liability company
Seller

date

Nathan H. Young, Representative
LTI Enterprises, LLC
a Kansas limited liability company
Buyer

date

7/1/13