

Phase I Environmental Site Assessment

Railroad Depot

413 E. 7th Street

Lawrence, Douglas County, KS

September 30, 2013

Terracon Project No. 14137059



Prepared for:

City Of Lawrence
Lawrence, Kansas

Prepared by:

Terracon Consultants, Inc.
Topeka, Kansas

Offices Nationwide
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Terracon

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

September 30, 2013



City Of Lawrence
PO Box 708
Lawrence, KS 66044

Attn: Ms. Diane Stoddard
P: (785) 832.3405
E: dstoddard@lawrenceks.org

Re: Phase I Environmental Site Assessment
Railroad Depot
413 E. 7th Street
Lawrence, Douglas County, Kansas
Project No. 14137059

Dear Ms. Stoddard:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. This assessment was performed in accordance with Terracon Proposal No. P14130231 dated August 20, 2013.

We appreciate the opportunity to be of service to you on this project. In addition to Phase I services, our professionals provide geotechnical, environmental, construction materials, and facilities services on a wide variety of projects locally, regionally and nationally. For more detailed information on all of Terracon's services please visit our website at www.terracon.com. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.

Kendra F. Caspers
Field Environmental Scientist

Bridget M. Broderick
Environmental Department Manager

Attachments

Terracon Consultants Inc. 3113 SW Van Buren St Topeka, KS 66611

P 785-267-3310 F 785-267-3382 terracon.com



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EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with Terracon Proposal No. P14130231 dated August 20, 2013, and was conducted consistent with the procedures included in ASTM E 1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was conducted under the supervision or responsible charge of Bridget M. Broderick, Environmental Professional. Kendra F. Caspers performed the site reconnaissance on September 10, 2013.

Findings

A cursory summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

The site is located at 413 E. 7th Street in Lawrence, Douglas County, Kansas. The site is approximately 1.75 acres of land that has been improved with one approximate 6,400 square foot structure, parking lot, and railroad spur. The site is currently occupied by Amtrak and BNSF Railway.

Historical Information

Based on a review of the historical information, the site has been occupied with a structure on site since 1897. The historical fire insurance maps indicated the site was utilized as a passenger station and a freight depot between 1897 and 1968. According to the Assistant City Manager, the current-day structure was built on site in 1955. The historical city directories identified a railway and passenger station located on site between 1963 and 2013. Because historical fire insurance maps verify reports during historical interviews that the depot has only been utilized as a passenger depot, this facility is not considered to be a REC. A pump house was identified on a southeast adjoining property in the historical fire insurance maps between 1905 and 1918. Based on the apparent topographic gradient, the pump house is not considered to be a REC. The adjoining properties have historically consisted of residential and commercial development. RECs were not identified during the historical review.

Records Review

The regulatory review identified one SPILLS, four LUSTs, one historical auto station, one Institutional Control, four SHWS, one CERCLIS, and one SWF within the identified search radii. The site (413 E. 7th Street) was identified in the SPILLS database and it stated a spill was caused due to an equipment failure. However, it appears the actual spill did not occur on site. The database stated the spill was covered with lime dust and picked up with scoop transported to Douglas County Landfill. Based on the status of this listing, this listing is not considered to be

Phase I Environmental Site Assessment

Railroad Depot ■ Lawrence, KS

September 30, 2013 ■ Terracon Project No. 14137059

a REC. Based on the distances, topographic gradient, and regulatory statuses, the identified facilities are not considered to be RECs.

Site Reconnaissance

During the site reconnaissance, Terracon observed stained concrete and one solid waste dumpster. RECs were not identified during the site reconnaissance.

Adjoining Properties

The current-day adjoining properties consist to be the following: tree-covered land followed by the Kansas River to the north and east, Murphy Furniture Services followed by New Jersey Street, and Kennedy Glass to the south, New York Street followed by residential to the west. Indications of RECs were not observed with the adjoining properties.

Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E 1527-05 at 413 E. 7th Street, Lawrence, Douglas County, Kansas, the site. Recognized environmental conditions were not identified in connection with the site

Recommendations

Based on the scope of service, limitations, and findings of this assessment, Terracon did not identify RECs, which, in our opinion, warrant additional investigation at this time.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RAILROAD DEPOT
413 E. 7TH STREET
LAWRENCE, DOUGLAS COUNTY, KANSAS**

Terracon Project No. 14137059
September 30, 2013

1.0 INTRODUCTION

1.1 Site Description

Site Name	Railroad Depot
Site Location/Address	413 E. 7th Street, Lawrence, Douglas County, Kansas
Land Area	Approximately 1.75 acres
Site Improvements	The site has been improved with one approximate 6,400 square foot structure, parking lot, and railroad spur.

The site location is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. A Site Diagram of the site and adjoining properties is included as Exhibit 2 of Appendix A. Acronyms and terms used in this report are described in Appendix B.

1.2 Scope of Services

This Phase I ESA was performed in accordance with Terracon Proposal No. P14130231 dated August 20, 2013, and was conducted consistent with the procedures included in ASTM E 1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify Recognized Environmental Conditions (RECs) in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, user-provided information, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the

report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations and Significant Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, business environmental risk evaluations, or other services not particularly identified and discussed herein, including an evaluation of vapor encroachment conditions. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. This ESA was further limited by the following:

- At the time of the site reconnaissance, the southeast portion of the structure was locked and inaccessible.

An evaluation of the significance of these limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations,

or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site’s current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of City Of Lawrence. Use or reliance by any other party is prohibited without the written authorization of City Of Lawrence and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon’s Agreement. The limitation of liability defined in the Agreement is the aggregate limit of Terracon’s liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E 1527-05 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user’s responsibilities in Section 6 of ASTM E 1527-05.

1.6 Client Provided Information

Prior to the site visit, Ms. Diane Stoddard, client’s representative, was asked to provide the following user questionnaire information as described in ASTM E1527-05 Section 6.

Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client’s Response	
		Yes	No
Aware of any Environmental Cleanup Liens against the site.			X
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.			X
Aware of any Specialized Knowledge or Experience related to the site or nearby properties.		X	

Actual Knowledge of a Significantly Lower Purchase Price because of hazardous substances or petroleum products.			X
Commonly Known or Reasonably Ascertainable Information that is material to a release in connection with the site.			X
Obvious Indicators of Contamination at the site.			X

Terracon’s consideration of the client provided information did not identify RECs. Ms. Stoddard stated the city is aware of contamination in the general vicinity of the site associated with a Black Hills Energy facility. KDHE is regulating this facility. Additional information regarding The Kansas Public Service (currently Black Hills Corporation) is identified in Section 4.1 of this report. A copy of the questionnaire is included in Appendix C.

2.0 PHYSICAL SETTING

Physical Setting Information		Source
Topography (Refer to Appendix A for an excerpt of the Topographic Map)		
Site Elevation	Approximately 740 feet (NGVD)	USGS Topographic Map, Lawrence East, Kansas Quadrangle, 1978.
Surface Runoff/ Topographic Gradient	Relatively flat area with general gradient towards the northeast based on site observations	
Closest Surface Water	Kansas River, approximately 250 feet to the north/northeast of the site.	
Soil Characteristics		
Soil Type	Eudora-Kimo complex and Pawnee clay loam	Douglas County, KS USDA-NRCS Web Soil Survey. Accessed September 2013.
Description	Eudora-Kimo soils are well drained, has a very high capacity for water, and its parent material is Coarse-silty alluvium. It has a slope of 0 to 2 percent. It's typical profile consists of silt loam between 0 and 72 inches. Pawnee clay loam has a 3 to 7 percent slope, is moderately well drained, and has a depth to water table between 12 and 17 inches. Its parent material consists of Clayey drift. It's typical profile consists of clay loam between 0 and 12 inches and 34 to 54 inches. Clay is observed between 12 and 34 inches. Between 54 and 72 inches, Sandy clay loam is identified.	
Geology/Hydrogeology		
Formation	Prairie Plains Monocline	O'Connor, Howard G. Geology and Ground-water Resources of Douglas County,
Description	The Prairie Plains Monocline is the dominant regional structure that affects Pennsylvanian rocks, which dip	

Physical Setting Information		Source
	westward and northwestward about 20 feet per mile in eastern Kansas and parts of the neighboring states. This structures is chiefly post-Permian in age. A structural map of Douglas County on which the top of the Haskell Limestone member of the Stranger Formation is used as a datum indicates a general dip to the northwest of slightly less than 20 feet per mile.	Kansas 1960.
Estimated Depth to First Occurrence of Groundwater	A monitoring well located less than ½ mile southeast has a static water level of 32.8 feet below ground surface (bgs).	Kansas Geological Survey Water Well Database Query Website, 2013.
*Hydrogeologic Gradient	Not known - may be inferred to be parallel to topographic gradient (primarily to the northeast).	

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources for indications of RECs. A summary of the historical review is included at the end of the Historical Use Information section. Copies of selected historical documents are included in Appendix C.

3.1 Historical Topographic Maps

Readily available historical USGS topographic maps were reviewed to evaluate land development in connection with the site. Reviewed historical topographic maps are summarized below.

- Lawrence, Kansas, published **1885** (1:125,000)
- Lawrence East, Kansas, published **1950** (1:24,000)
- Lawrence East, Kansas, published **1967**, photorevised 1950 (1:24,000)
- Lawrence East, Kansas, published **1978**, photorevised from 1950 (1:24,000)

Historical Topographic Maps

Direction	Description
Site	1885: Site located within the City of Lawrence. 1950, 1967, 1978: Santa Fe station located on site along with railroad tracks on the northeast portion of site.*
North	1885: The Kansas river followed by development within the City of Lawrence. 1950, 1967, 1978: The Kansas River followed by developed area located in the City of Lawrence.*

Direction	Description
East	1885: Kansas River. 1950, 1967, 1978: Shaded area" indicating development within the City of Lawrence followed by the Kansas River.
South	1885: Development within the City of Lawrence. 1950, 1967, 1978: Multiple roads within a shaded area*
West	1885: Development within the City of Lawrence. 1950, 1967, 1978: A road followed by multiple developed properties.*

*Based on the color-coding of the topographic maps (shading), the subject site and surrounding areas appear to be included in a developed area. No structures are depicted on these maps in the area of the subject site or surrounding properties, however, this does not necessarily indicate that these areas were undeveloped as of the date on the maps. Street development, however, is depicted on these maps.

3.2 Historical Aerial Photographs

Selected historical aerial photographs were reviewed at approximately 10 to 15 year intervals, if readily available, to obtain information concerning the history of development on and near the site. Evaluation of these aerials may be limited by a photo's quality and scale. Selected photographs are summarized below.

- EDR, **1948**, 1"=500'
- EDR, **1950**, 1"=1000'
- EDR, **1967**, 1"=500'
- EDR, **1970**, 1"=1000'
- EDR, **1977**, 1"=750'
- EDR, **1982**, 1"=1000'
- EDR, **1985**, 1"=1000'
- EDR, **1991**, 1"=750'
- EDR, **1996**, 1"=750'
- EDR, **2002**, 1"=500'
- EDR, **2005**, 1"=500'
- EDR, **2006**, 1"=500'
- EDR, **2008**, 1"=500'
- EDR, **2010**, 1"=500'

Historical Aerial Photographs

Direction	Description
Site	1948-1970: Two rectangular structures located on site along with railroad tracks. 1977, 1982, 1991, 1996, 2002, 2005, 2006, 2008, 2010: One rectangular structure located on site along with railroad tracks.
North	1948, 1950, 1967, 1970, 1977, 1982, 1985, 1991, 1996, 2002, 2005, 2006, 2008, 2010: Tree covered land followed by a river.

Direction	Description
East	<p>1948, 1950: Tree-covered land.</p> <p>1967, 1970, 1977, 1982, 1985, 1991, 1996: Tree-covered land followed by followed by a facility that appears to be associated with the railroad.</p> <p>2002, 2005, 2006, 2008, 2010: Tree and grass-covered land followed by an apparent sand and gravel facility.</p>
South	<p>1948, 1950: A road followed by residential.</p> <p>1967, 1970, 1977, 1982, 1985, 1991, 1996: A road followed by a rectangular structure and small structures that appear to be residential.</p> <p>2002, 2005, 2006, 2008, 2010: A road followed by commercial and residential development.</p>
West	<p>1948, 1950: A road followed by commercial/residential.</p> <p>1967, 1970, 1977, 1982, 1985, 1991, 1996: A road followed by a rectangular structure and commercial development.</p> <p>2002, 2005, 2006, 2008, 2010: A road followed by commercial and residential development.</p>

The apparent sand and gravel facility located east of the site is not listed in Section 4.1. However, based on the facilities cross-gradient location, this facility is not considered to be a REC.

3.3 Historical City Directories

The Polk’s city directories used in this study were made available through EDR (selected years reviewed: 1963-2013) and were reviewed at approximate five-year intervals, if readily available. Since these references are copyright protected, reproductions are not provided in this report. The current street address for the site was identified as 413 E. 7th Street.

Historical City Directories

Direction	Description
Site	<p><u>413 E. 7th Street:</u> Amtrak-LRC Passenger Rail Service (2013) Burlington Northern, & Santa RR (1999) Santa Fe Railway (1994, 1989) Atchison Topeka & Santa Fe Railway (1979) Amtrak Intercity Rail, Atchison, Topeka, & Santa Fe Railway (1974, 1969, 1963)</p>
North	No listings
East	No listings
South	No listings
West	<p><u>411 E. 7th Street:</u> Murphy Furniture Services (1994, 1984) Vacant (1989) Murphy Interiors (1979) Red Beard’s Used Furniture (1974) Haas Used Appliance (1969) Santa Fe Lunch Restaurant (1963)</p> <p><u>409 E. 7th Street:</u> Murphy Furniture Service (2013, 2008, 2003, 1999, 1994) Vacant</p>

Direction	Description
	(1989) Wheelsport Motorcycle Club (1984, 1979, 1974) <u>319 E. 7th Street:</u> Residential (2013, 2008, 2003, 1999, 1963) <u>315 E. 7th Street:</u> Hope Housing Center (2008) Praise Temple Church of God (2003) Seventh Street Liquor (1999) Else's Liquor Store (1994, 1989, 1979) Liquor Store (1969, 1963)

413 E. 7th Street (Site)

The site has been utilized as a Railway and passenger service between 1963 and 2013.

3.4 Historical Fire Insurance Maps

Historical fire insurance maps produced by the Sanborn Map Company were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. EDR provided Sanborn maps as summarized below.

- 1897
- 1905
- 1912
- 1918
- 1927
- 1949
- 1968

Historical Fire Insurance Maps

Direction	Description
Site	1897: One passenger station located on the southwest portion of site. The A.T & S.F railroad tracks are located on site. 1905, 1912, 1918: The A.T & S.F. Railroad Depot is located on the site. 1927: One passenger station located on site with railroad tracks. 1949, 1968: A passenger station located on site along with a freight depot and railroad tracks.
North	1897: An ice house located north to site. 1905, 1912: Vacant land followed by the Kansas river. 1918, 1927, 1949, 1968: Not located on map.
East	1897, 1905, 1912, 1918, 1927, 1949, 1968: Not shown on map
South	1897: A road followed by multiple dwellings and a cottage house. 1905, 1912: Similar to previous map. A water tank and Santa Fe Pump House southeast. 1918: E. 7 th Street followed by multiple dwellings, a water tank, and a Sale Pump House.

Direction	Description
	<p>1927, 1949: E. 7th Street followed by multiple dwellings, and a water tank located southeast.</p> <p>1968: E. 7th Street followed by a Railway Express Agency, a store, a couple of dwellings, and a Whole Beer facility.</p>
West	<p>1897: Not shown on map.</p> <p>1905, 1912: New York Street followed by a couple of dwellings.</p> <p>1918: New York Street followed by dwellings.</p> <p>1927, 1949: New York Street followed by a couple of vacant lots and a couple dwellings.</p> <p>1968: New York Street followed by a few vacant lots and a Bottle & Case Storage facility.</p>

A passenger station and railroad depot was identified on site between 1897 and 1968.

3.5 Site Ownership

Based on a review of information obtained from the client, the current site owner is BNSF.

3.6 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.7 Environmental Liens

Environmental lien records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.8 Historical and Site Interviews

The following individuals were interviewed regarding the current and historical use of the site.

Interviewees

Interviewer	Interviewee/Phone #	Title	Date/Time
Kendra Caspers	Diane Stoddard / 785-832-3405	Assistant Manager	City 9/10/2013 2:30 PM
Steve Kuzma	Manager of Land Revenue for BNSF	Owner Representative	9/30/2013 9:00 AM

Ms. Stoddard

Diane Stoddard is the Assistant City Manager for the City of Lawrence and has been associated with the site since 2008. She stated the following:

- The site is currently occupied by Amtrak & BNSF.
- The site is owned by BNSF Railway.
- The structure on site was built in 1955.
- The site is a former freight office and passenger depot. Freight consisted of luggage from what she has been told.
- She was not aware of spills or releases of hazardous materials and/or petroleum products located at the site.
- She was not aware of ASTs or USTs located on the site.
- Asbestos and Lead-Based Paint sampling has been conducted at the site.
- She was not aware of environmental concerns at the site.

Mr. Kuzma

Steve Kuzma is the Manager of Land Revenue for BNSF and has been associated with the site for approximately two years. He stated the following:

- The owner of the site is BNSF.
- Amtrak currently subleases the structure on site.
- The depot used to be Santa Fe prior to 1995.
- He was not aware of spills or releases of hazardous materials and/or petroleum products.
- He was not aware of environmental concerns at the site.

3.9 Prior Report Review

The City of Lawrence provided a copy of the Historic Structure Report for the site, that was prepared by Hernly Associates, Inc. and is dated December 2, 2009. Portions of the information provided in the report are provided in Appendix C.

According to the report the existing structure was constructed in 1955. Prior to that time a previous passenger depot was present at the site that appears to have been demolished in May 1955.

3.10 Historical Use Information Summary

Based on a review of the historical information, the site has been occupied with a structure on site since 1897. The historical fire insurance maps indicated the site was utilized as a passenger station and a freight depot between 1897 and 1968. According to the Assistant City Manager, the current-day structure was built on site in 1955. The historical city directories identified a railway and passenger station located on site between 1963 and 2013. Because historical fire insurance maps verify reports during historical interviews that the depot has only been utilized

as a passenger depot, this facility is not considered to be a REC. A pump house was identified on a southeast adjoining property in the historical fire insurance maps between 1905 and 1918. Based on the apparent topographic gradient, the pump house is not considered to be a REC. The adjoining properties have historically consisted of residential and commercial development. RECs were not identified during the historical review.

4.0 RECORDS REVIEW

Regulatory database information was provided by EDR, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated, and the scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

Federal Databases

Database	Description	Radius (miles)	Listings
CERCLIS	The CERCLIS database is a compilation of facilities which the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the CERCLA of 1980.	0.5	1
CERCLIS / NFRAP	CERCLIS/NFRAP refers to facilities that have been removed and archived from EPA's inventory of CERCLA sites.	0.5	0
ERNS	The Emergency Response Notification System (ERNS) is a listing compiled by the EPA on reported releases of petroleum and hazardous substances to the air, soil and/or water.	Site	0
IC / EC	A listing of sites with institutional and/or engineering controls in place. IC include administrative measures, such as groundwater use restrictions, construction restrictions,	Site	0

Database	Description	Radius (miles)	Listings
	property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. EC include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.		
NPL	The NPL is the EPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.	1	0
NPL (Delisted)	The NPL (Delisted) refers to facilities that have been removed from the NPL.	0.5	0
RCRA CORRACTS/ TSD	The EPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous waste that are undergoing "corrective action." A "corrective action" order is issued when there has been a release of hazardous waste or constituents into the environment from a RCRA facility.	1	0
RCRA Generators	The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.	Site and adjoining properties	0
RCRA Non-CORRACTS/ TSD	The RCRA Non-CORRACTS/TSD Database is a compilation by the EPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.	0.5	0

State/Tribal Databases

Database	Description	Radius (miles)	Listings
Brownfields	State and/or Tribal listing of Brownfield properties addressed by Cooperative Agreement Recipients or Targeted Brownfields Assessments.	0.5	0
IC	Sites that have institutional control information entered into the Identified Sites List database maintained by the KDHE.	Site	0
LUST	State and/or Tribal database of leaking underground storage tanks in the state of Kansas.	0.5	4
SHWS	The Kansas Department of Health and Environment (KDHE) maintains a database of state equivalent CERCLIS facilities in the state of Kansas.	0.5	4

Database	Description	Radius (miles)	Listings
SWF/LF	State and/or Tribal database of solid waste facilities located within Kansas. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.	0.5	1
UST	State and/or Tribal database of registered storage tanks in the State of Kansas which may include the owner and location of the tanks.	Site and adjoining properties	0
VCP	State and/or Tribal facilities included as Voluntary Cleanup Program sites.	0.5	0

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

The following table summarizes the site-specific information provided by the database and/or gathered by this office for identified facilities. Facilities are listed in order of proximity to the site. Additional discussion for selected facilities follows the summary table.

Listed Facilities

Facility Name And Location	Estimated Distance/Direction/Gradient	Database Listings
413 E. 7Th St	Site	SPILLS
Venture Properties 715 New Jersey	Approximately 90 feet South / Cross-gradient	LUST
Banning Sales & Service 646 Connecticut	Approximately 210 feet NW / Cross-gradient	LUST, Hist Auto Stat
Kansas Public Service (Former Lawrence M 620 E. 8Th Street	Approximately 220 feet SE / Cross-gradient	INST CONTROL, SHWS
Lawrence Riverfront Mall 1 Riverfront Plaza	Approximately 775 feet NW / Cross-gradient	CERCLIS, SHWS
Rhoads Heating & Roofing 832 Pennsylvania	Approximately 905 feet SE / Cross-gradient	LUST
Lawrence Bus Co. 841 Pennsylvania	Approximately 935 feet SE / Cross-gradient	LUST
City Of Lawrence 7Th Street And New Hampshire	Approximately 955 feet W / Cross-gradient	LUST
City Of Lawrence 901 E. 8Th Street	Approximately 1,725 feet E / Cross-gradient	SWF/LF
Kansas Public Services - Mercury 11Th & Delaware	Approximately 2,465 feet SE / Cross-gradient	SHWS

Facility Name And Location	Estimated Distance/Direction/Gradient	Database Listings
Lawrence Satellite Pow Camp 11Th And Haskell	Approximately 2,760 feet SE / Cross-gradient	SHWS

413 E. 7th Street

This address is identified on site and is listed in the SPILLS database. According to the database, the approximately 10,500 gallons of crude oil was spilled in January 1975. The spill was caused due to an equipment failure. The database stated the spill was covered with lime dust and picked up with scoop transported to Douglas County Landfill. Terracon viewed the report on the KDHE Reported Spills Finder database. It is Terracon’s conclusion based on the information provided on the database, this spill actually occurred southeast of the site and is listed at the site’s address due to the ATSF administrative office that was previously located at the site. A copy of the map associated with this spill is provided in Appendix D. Based on the status of this listing, this listing is not considered to be a REC.

Venture Properties

This facility is located approximately 255 feet southeast and cross-gradient to the site and was listed in the LUST database. According to the database, this facility has a “closed” status. The KDHE database further states, *“No known or reported releases associated with this UST. This is the only UST at this site. No groundwater encountered in this excavation. No suspected groundwater contamination.”* Based on the distance topographic gradient, and regulatory status, this facility is not considered to be a REC.

Banning Sales & Service

This facility is located 210 feet northwest and cross-gradient to the site and is listed in the LUST and historical auto station databases. According to the database, this facility has a closed status. The database further states, *“tank removed March 1989 with no KDHE oversight. Tank was removed prior to contractor licensing requirement, owner agreed to perform soil borings. Observed soil borings, slight odor, but no heavy staining observed in fill. No other tanks exist at this site according to Bruce Banner.”* Based on the topographic gradient and regulatory status, this facility is not considered to be a REC.

Kansas Public Service

This facility is located 220 feet southeast and cross-gradient to the site and is listed in the SHWS, and Inst. Control databases. According to the database, this facility is “resolved with restrictions.” The online KDHE database further states,

“The site is an approximately one acre lot in Lawrence, Kansas near the intersection of 8th and Pennsylvania owned and operated by Aquila (now Black Hills Corporation) as a warehouse and storage yard. The site was operated as a manufactured gas plant from 1869 through 1905. Contamination at the site was discovered during a Preliminary Assessment (PA) conducted by Burns and McDonnell in September 1992. On August 20, 1993, Kansas Public Service entered into a consent agreement (Case Order No. 93-E-216) to investigate the contamination. Volatile organic

compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs) were identified in the soil. Minimal contamination was identified in the groundwater. A Corrective Action Decision (CAD) was declared on July 19, 1995 and included removal of material associated with a former tar well, long term institutional controls restricting use of the land, and installation of one monitoring well to be sampled semi-annually for two years to confirm no releases to groundwater from the site. Institutional controls were recorded in December 1999 in the form of a Restrictive Covenant. The Corrective Action was completed at the end of 1999. The site was closed in June 2000. The Kansas Department of Health and Environment conducts periodic inspections of the property to verify compliance with the Restrictive Covenant. The latest inspection of the site conducted in April 2012 noted compliance with the Restrictive Covenant.”

Based on the topographic gradient and regulatory status, this facility is not considered to be a REC.

Lawrence Riverfront Mall

This facility is located 775 feet northwest and cross-gradient to the site and listed in the CERCLIS and SHWS databases. This facility is not listed in the National Priority List and is considered a Removal Only Site. According to the online KDHE database, this facility has a “Resolved” status. The online database further states, “*Mercury spill cleaned up by EPA.*” Based on the distance, apparent topographic gradient, and regulatory status, this facility is not considered to be a REC.

The remaining facilities listed in the database report do not appear to represent RECs to the site at this.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report listed 14 facilities in the unmapped section. Determining the location of unmapped facilities is beyond the scope of this assessment; however, none of these facilities were identified as the site or adjacent properties. These facilities are listed in the database report in Appendix D.

4.2 Local Agency Inquiries

4.2.1 Health Department/Environmental Division

The Lawrence-Douglas County Health Department was contacted by e-mail on September 30, 2013 regarding environmental records or information indicating environmental concerns for the site. At the issuance of the report, a response has not been received by the department.

4.2.2 Fire Department

The Lawrence Fire Department was contacted by phone on September 30, 2013 regarding environmental records or information indicating environmental concerns for the site. According to Jeanette Reiling, a gas leak was reported on site on 4-07-2013 and a HAZMAT investigation

on 3-15-2007. Someone had contacted the fire department and reported a burning diesel odor. During the investigation, nothing was identified. No other records were identified.

4.2.3 Planning, Building Permit/Inspection Department

The Lawrence Planning Department was contacted by e-mail on September 30, 2013 regarding environmental records for the site. At the issuance of this report, a response had not been received from the Planning Department.

4.3 Records Review Summary

The regulatory review identified one SPILLS, four LUSTs, one historical auto station, one Institutional Control, four SHWS, one CERCLIS, and one SWF within the identified search radii. The site (413 E. 7th Street) was identified in the SPILLS database and it stated a spill was caused due to an equipment failure. However, it appears the actual spill did not occur on site. The database stated the spill was covered with lime dust and picked up with scoop transported to Douglas County Landfill. Based on the status of this listing, this listing is not considered to be a REC. Based on the distances, topographic gradient, and regulatory statuses, the identified facilities are not considered to be RECs.

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. Exhibit 2 in Appendix A is a Site Diagram of the site. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix E. Credentials of the individuals planning and conducting the site visit are included in Appendix F.

General Site Information

Site Reconnaissance	
Field Personnel	Kendra F. Caspers
Reconnaissance Date	September 10, 2013
Weather Conditions	Hot and sunny
Site Contact/Title	Diane Stoddard / Assistant City Manager

Building Description				
Building Identification	Building Use	Approx. Construction Date	Number of Stories	Approx. Size (ft ²)
Railroad Depot	Depot	1955	1	6,400
Site Utilities				
Drinking Water	City of Lawrence			
Wastewater	City of Lawrence			

5.2 Overview of Current Site Occupants and Operations

The site is located at 413 E. 7th Street in Lawrence, Douglas County, Kansas. The site is approximately 1.75 acres of land that has been improved with one approximate 6,400 square foot structure, parking lot, and railroad spur. The site is currently occupied by Amtrak and BNSF Railway.

5.3 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an “X”) are discussed in more detail following the table.

Site Characteristics

Category	Item or Feature	Observed
Site Operations, Processes, and Equipment	Emergency generators	
	Elevators	
	Air compressors	
	Hydraulic lifts	
	Dry cleaning	
	Photo processing	
	Ventilation hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Heating and/or cooling systems	
	Other processes or equipment	
Aboveground Chemical or Waste Storage	Aboveground storage tanks	
	Drums, barrels and/or containers ≥ 5 gallons	
	MSDS	

Category	Item or Feature	Observed
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, catch basins and/or dry wells	
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators	
	Pipeline markers	
	Interior floor drains	
Electrical Transformers/PCBs	Transformers and/or capacitors	
	Other equipment	
Releases or Potential Releases	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	X
	Leachate and/or waste seeps	
	Trash, debris and/or other waste materials	X
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free floating product	
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
Other Notable Site Features	Surface water bodies	
	Quarries or pits	
	Wells	

Releases or Potential Releases

Stained pavement or similar surfaces

Stained concrete was observed near the cooling unit observed on the north side of the structure. The staining appeared to be a de minimis and the concrete in good condition. The observed stained is not considered to be a REC.

Trash, debris and/or other waste materials

One solid waste disposal dumpster, serviced by the City of Lawrence, was observed on the southeast side of the site. Evidence of staining, noxious odors or hazardous waste disposal was not observed in the vicinity of the on-site dumpster.

5.4 Site Reconnaissance Summary

During the site reconnaissance, Terracon observed stained concrete and one solid waste dumpster. RECs were not identified during the site reconnaissance.

6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized below.

Adjoining Properties

Direction	Description
North	Tree-covered land followed by the Kansas River.
East	Tree-covered land followed by the Kansas River.
South	Murphy Furniture Service (409 E. 7 th St), New Jersey Street, and Kennedy Glass (730 New Jersey Street).
West	New York Street followed by residential.

The current-day adjoining properties consist to be the following: tree-covered land followed by the Kansas River to the north and east, Murphy Furniture Services followed by New Jersey Street, and Kennedy Glass to the south, New York Street followed by residential to the west. Indications of RECs were not observed with the adjoining properties.

7.0 ADDITIONAL SERVICES

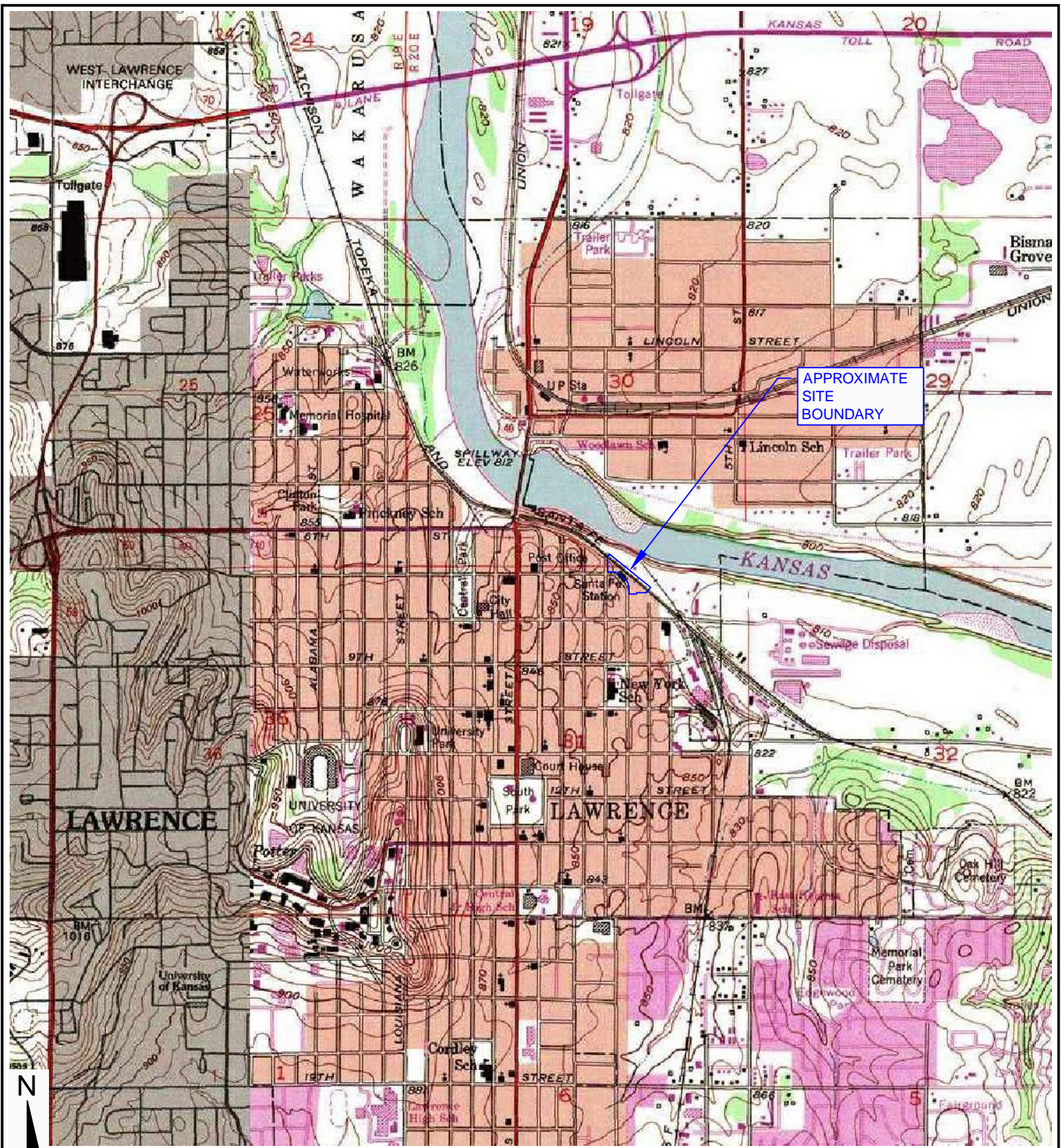
Per the agreed scope of services specified in the proposal, additional services (e.g. asbestos sampling, lead-based paint sampling, wetlands evaluation, lead in drinking water testing, radon testing, vapor encroachment screening, etc.) were not conducted.

8.0 DECLARATION

I, Bridget M. Broderick, declare, that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

<hr/> Environmental Professional	<hr/> September 30, 2013
<hr/> Environmental Department Manager	<hr/> Topeka, Kansas
Title	Terracon Office

APPENDIX A
EXHIBIT 1 – TOPOGRAPHIC MAP
EXHIBIT 2 – SITE DIAGRAM



U.S.G.S. 7.5 MINUTE SERIES TOPOGRAPHIC MAP

STATE OF KANSAS QUADRANGLES
 LAWRENCE WEST 1991 (LEFT)
 LAWRENCE EAST 1978 (RIGHT)

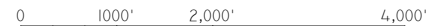


DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mng:	KFC	Project No.	14137059
Approved By:	KFC	Scale:	1" = 2000'
Checked By:	KFC	Date:	9/13/13
Drawn By:	DBM	File No.	14137059E1.DWG

Terracon
 Consulting Engineers and Scientists

3113 SW VAN BUREN STREET TOPEKA, KS 66611
 PH. (785) 267-3310 FAX. (785) 267-3382

EXHIBIT 1 - TOPOGRAPHIC MAP

RAILROAD DEPOT
 413 E 7TH STREET
 LAWRENCE, KANSAS

EXHIBIT

1

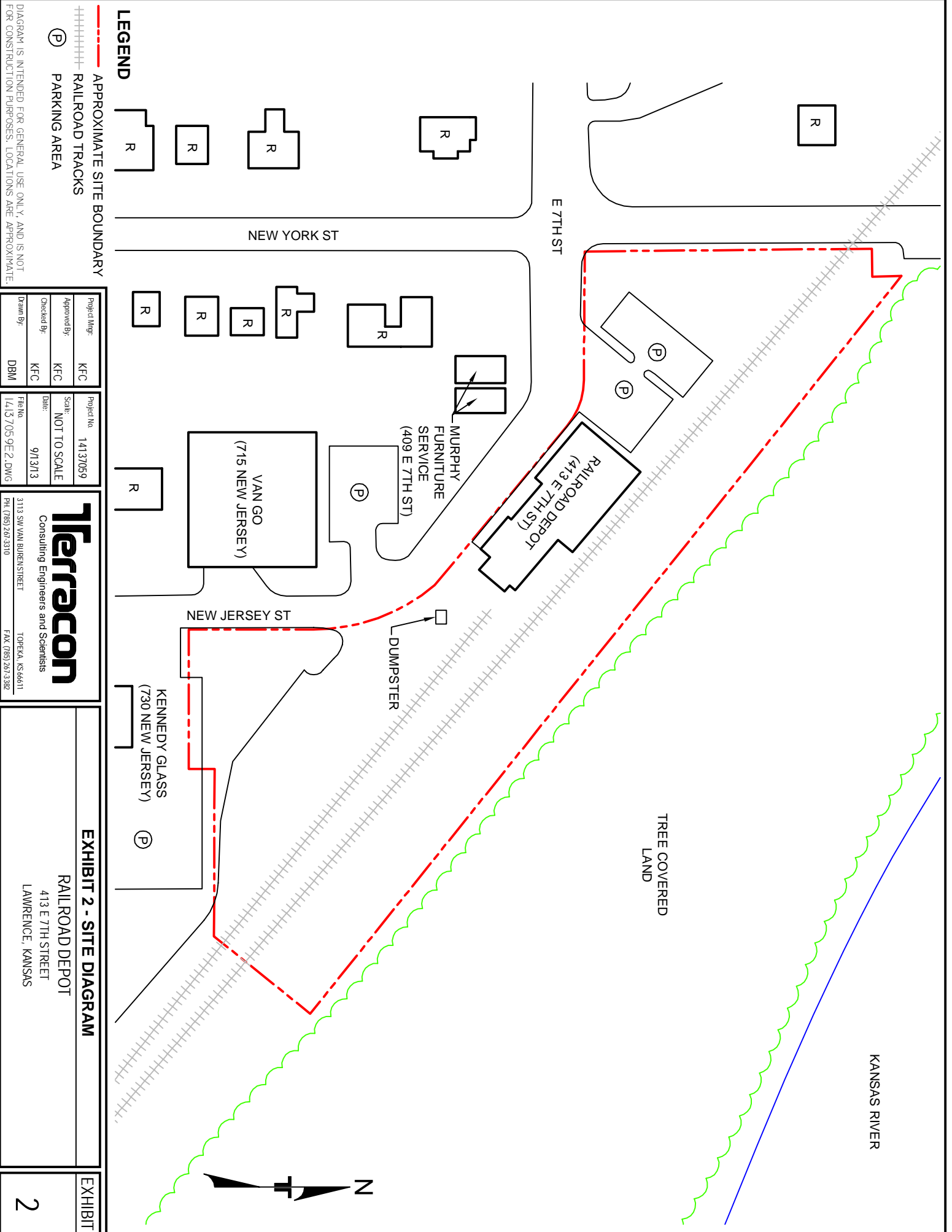


DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mgr:	KFC
Approved By:	KFC
Checked By:	KFC
Drawn By:	DBM

Project No:	14137059
Scale:	NOT TO SCALE
Date:	9/13/13
File No:	14137059E2.DWG

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 TOPEKA, KS 66611
 FAX: (785) 262-3382

EXHIBIT 2 - SITE DIAGRAM
 RAILROAD DEPOT
 413 E 7TH STREET
 LAWRENCE, KANSAS

APPENDIX B
DESCRIPTION OF TERMS AND ACRONYMS

Description of Selected General Terms and Acronyms

Term/Acronym	Description
ACM	<p>Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining).</p> <p>Regulatory agencies have generally defined ACM as a material containing greater than one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable.</p> <p>Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.</p>
AHERA	Asbestos Hazard Emergency Response Act
AST	Above Ground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
BGS	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CESQG	Conditionally exempt small quantity generators.
CFR	Code of Federal Regulations
DOT	U.S. Department of Transportation

Description of Selected General Terms and Acronyms (cont.)

Term/Acronym	Description
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a "solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed."
ILP	Innocent Landowner/Operator Program
LQG	Large quantity generators.
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	National Priorities List, as more particularly described under the Records Review section of this report.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.

Description of Selected General Terms and Acronyms (cont.)

Term/Acronym	Description
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/l	Pico Curies per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in Pico Curies per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal ("cradle to grave"). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA generators list is part of the RCRIS database maintained by EPA and lists facilities that generate hazardous waste as part of their normal business operations, as more particularly defined under Section 4.1 of this report.
RCRA CORRACTS/TS Ds	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non-CORRACTS/TS Ds	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Conditions" are defined by ASTM E1527-05 as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions of compliance with laws. The term is not intended to include <i>de minimis</i> conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."
SCL	State "CERCLIS" List (see SPL /State Priority List, below).

Description of Selected General Terms and Acronyms (cont.)

Term/Acronym	Description
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State "CERCLIS" List.
SQG	Small quantity generator.
SWF	Solid Waste Facility
TPH	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-05, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound
Wetlands	<p>Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The <u>Corps of Engineers Wetlands Delineation Manual</u> (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present.</p> <p>The federal Clean Water Act which regulates "waters of the US," also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.</p>

APPENDIX C
HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE



Railroad Depot

413 E. 7th Street

Lawrence, KS 66044

Inquiry Number: 3723245.4

September 10, 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.

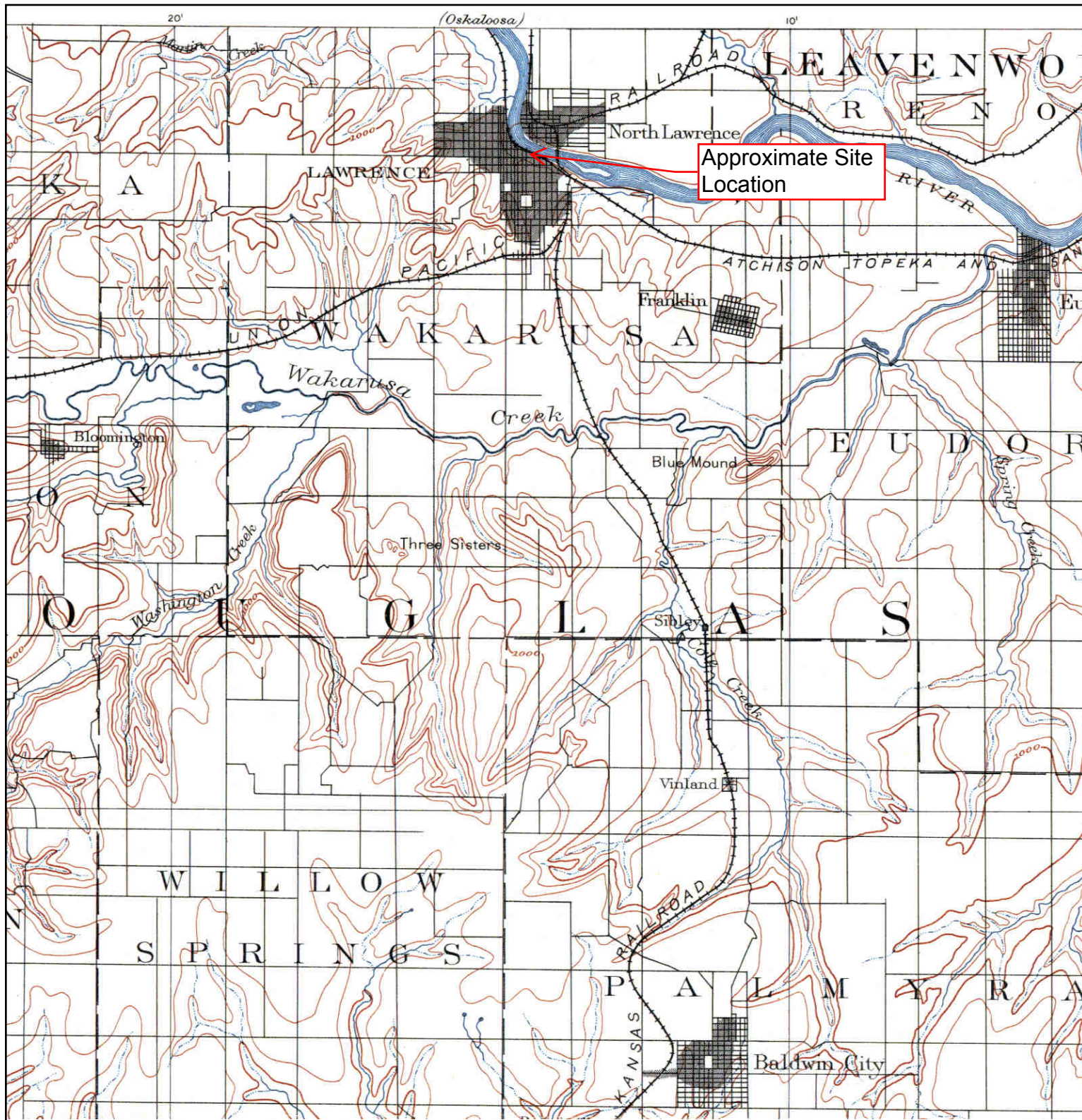
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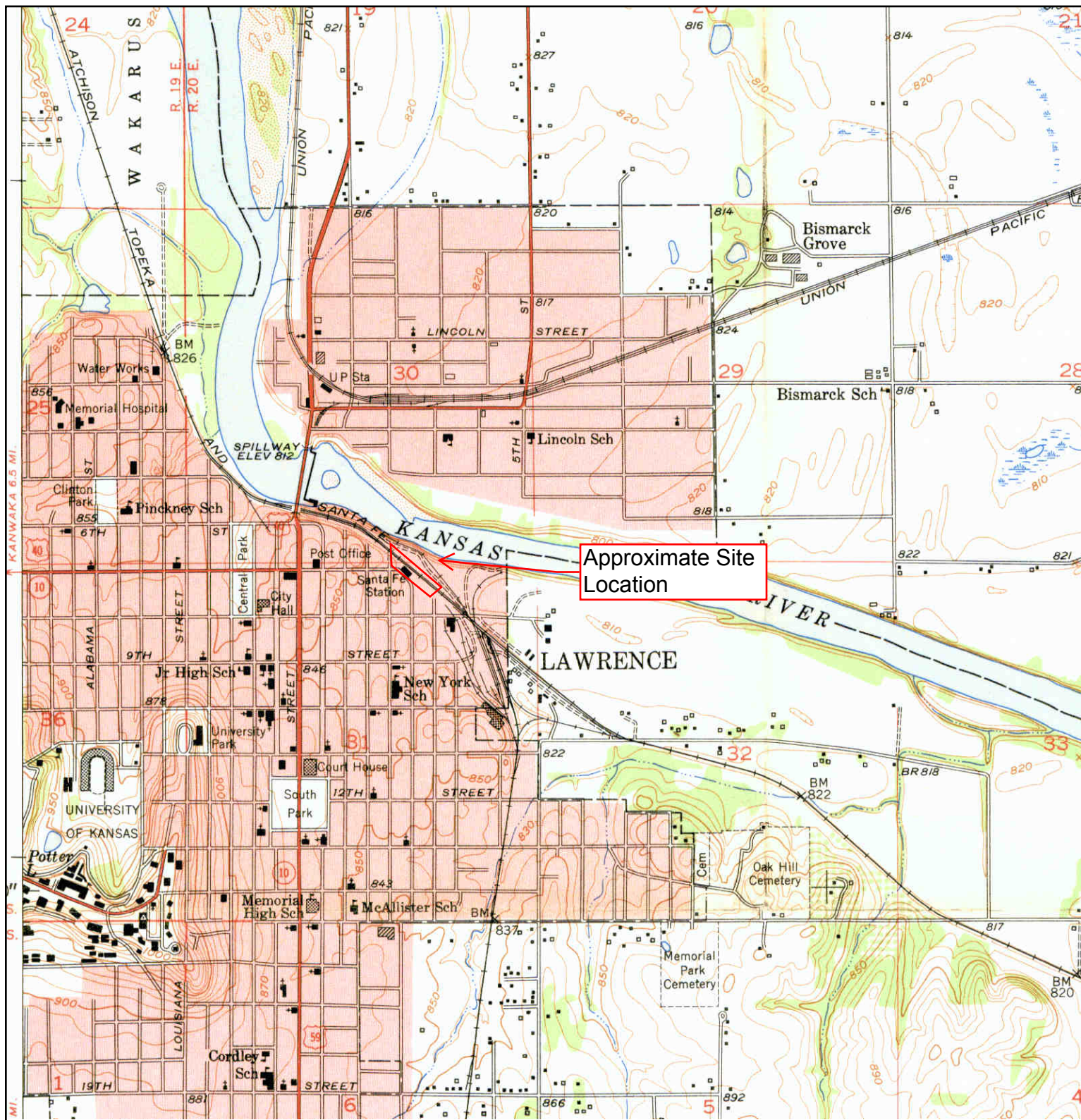
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Historical Topographic Map



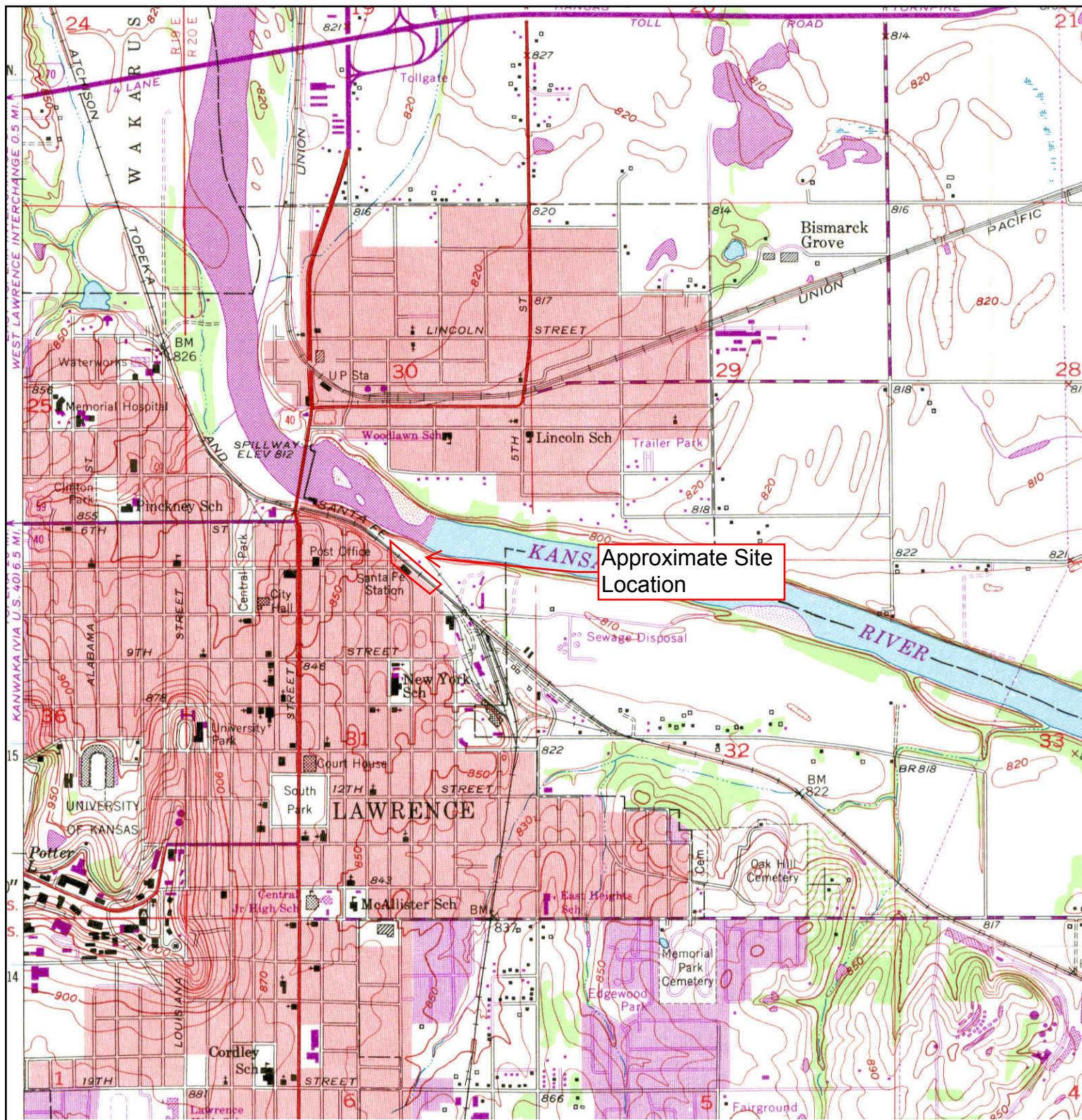
	TARGET QUAD NAME: LAWRENCE MAP YEAR: 1885	SITE NAME: Railroad Depot ADDRESS: 413 E. 7th Street Lawrence, KS 66044 LAT/LONG: 38.9712 / -95.2304	CLIENT: Terracon, Inc. CONTACT: Kendra Caspers INQUIRY#: 3723245.4 RESEARCH DATE: 09/10/2013
	SERIES: 30 SCALE: 1:125000		

Historical Topographic Map



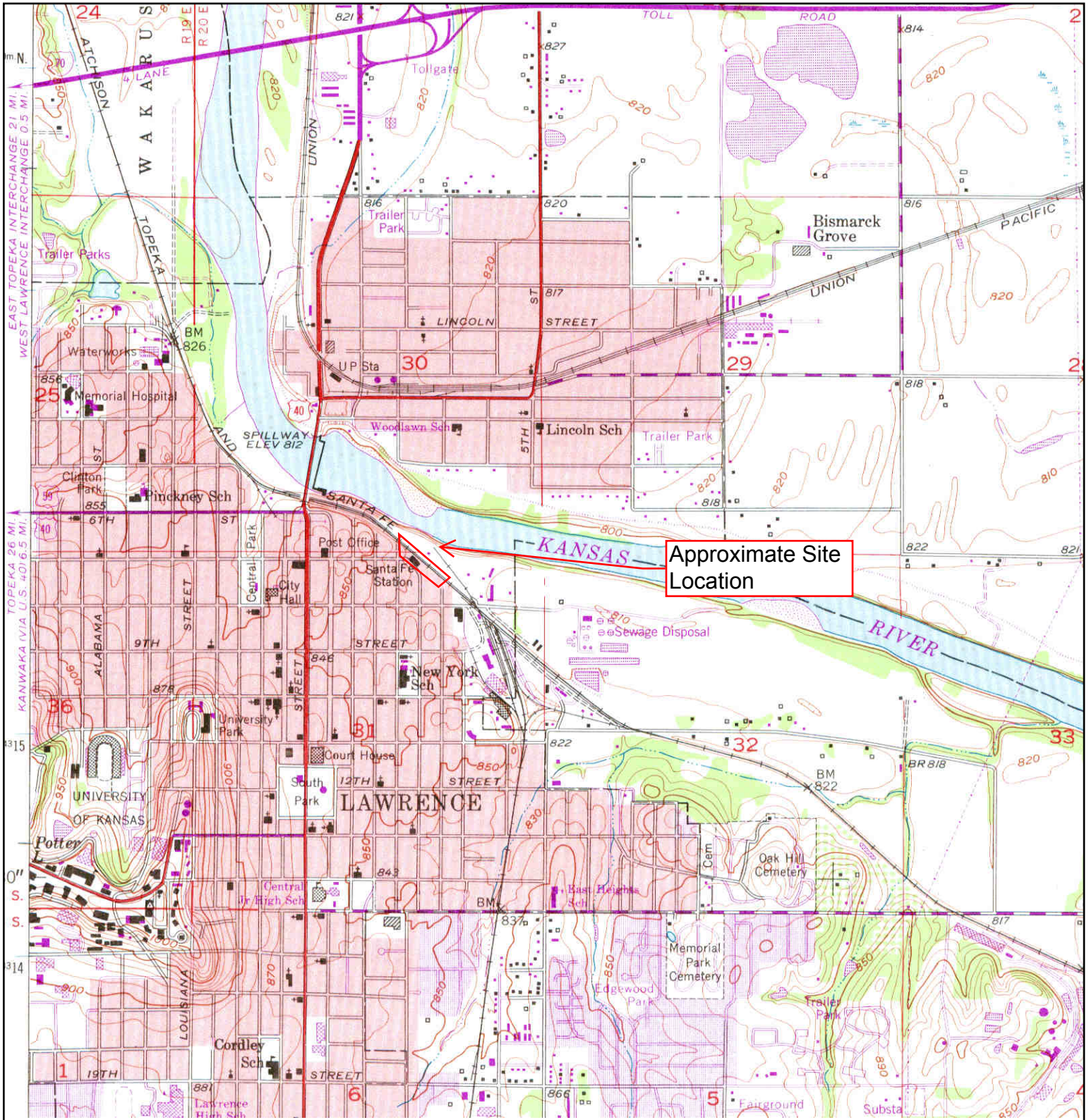
<p>N ↑</p>	<p>TARGET QUAD NAME: LAWRENCE EAST MAP YEAR: 1950</p>	<p>SITE NAME: Railroad Depot ADDRESS: 413 E. 7th Street Lawrence, KS 66044 LAT/LONG: 38.9712 / -95.2304</p>	<p>CLIENT: Terracon, Inc. CONTACT: Kendra Caspers INQUIRY#: 3723245.4 RESEARCH DATE: 09/10/2013</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>		

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME: Railroad Depot	CLIENT: Terracon, Inc.
	NAME: LAWRENCE EAST	ADDRESS: 413 E. 7th Street	CONTACT: Kendra Caspers
	MAP YEAR: 1967	Lawrence, KS 66044	INQUIRY#: 3723245.4
	PHOTOREVISED FROM :1950	LAT/LONG: 38.9712 / -95.2304	RESEARCH DATE: 09/10/2013
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



	TARGET QUAD	SITE NAME: Railroad Depot	CLIENT: Terracon, Inc.
	NAME: LAWRENCE EAST	ADDRESS: 413 E. 7th Street	CONTACT: Kendra Caspers
	MAP YEAR: 1978	Lawrence, KS 66044	INQUIRY#: 3723245.4
	PHOTOREVISED FROM :1950	LAT/LONG: 38.9712 / -95.2304	RESEARCH DATE: 09/10/2013
	SERIES: 7.5		
	SCALE: 1:24000		



Railroad Depot

413 E. 7th Street

Lawrence, KS 66044

Inquiry Number: 3723245.5

September 11, 2013

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography September 11, 2013

Target Property:

413 E. 7th Street

Lawrence, KS 66044

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1948	Aerial Photograph. Scale: 1"=500'	Panel #: 38095-H2, Lawrence East, KS;/Flight Date: September 10, 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
1982	Aerial Photograph. Scale: 1"=1000'	Panel #: 38095-H2, Lawrence East, KS;/Flight Date: May 07, 1982	EDR
1985	Aerial Photograph. Scale: 1"=1000'	Panel #: 38095-H2, Lawrence East, KS;/Flight Date: June 28, 1985	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 #: 3723245.5

YEAR: 1948

| = 500'





INQUIRY #: 3723245.5

YEAR: 1950

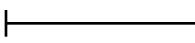
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INQUIRY #: 3723245.5

YEAR: 1967

 = 500'





INQUIRY #: 3723245.5

YEAR: 1970

| = 1000'





INQUIRY #: 3723245.5

YEAR: 1977

|—————| = 750'





INQUIRY #: 3723245.5

YEAR: 1982

| = 1000'





INQUIRY #: 3723245.5

YEAR: 1985

| = 1000'





INQUIRY #: 3723245.5

YEAR: 1991

| = 750'





INQUIRY #: 3723245.5

YEAR: 1996

— = 750'





INQUIRY #: 3723245.5

YEAR: 2002

| = 500'





INQUIRY #: 3723245.5

YEAR: 2005

| = 500'





INQUIRY #: 3723245.5

YEAR: 2006

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INQUIRY #: 3723245.5

YEAR: 2008

— = 500'





INQUIRY #: 3723245.5

YEAR: 2010

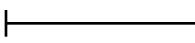
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INQUIRY #: 3723245.5

YEAR: 2012

 = 500'





Railroad Depot

413 E. 7th Street

Lawrence, KS 66044

Inquiry Number: 3723245.3

September 10, 2013

Certified Sanborn® Map Report

Certified Sanborn® Map Report

9/10/13

Site Name:

Railroad Depot
413 E. 7th Street
Lawrence, KS 66044

Client Name:

Terracon, Inc.
3113 S.W. Van Buren Street
Topeka, KS 66611



EDR Inquiry # 3723245.3

Contact: Kendra Caspers

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Terracon, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn 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: Railroad Depot
Address: 413 E. 7th Street
City, State, Zip: Lawrence, KS 66044
Cross Street:
P.O. # NA
Project: 14137059
Certification # 649F-4131-9334



Sanborn® Library search results
Certification # 649F-4131-9334

Maps Provided:

1968 1897
1949 1889
1927
1918
1912
1905

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

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

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Sanborn Sheet Thumbnails

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



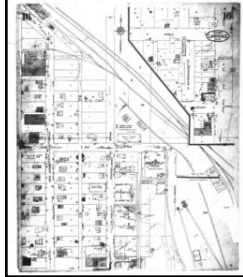
1968 Source Sheets



Volume 1, Sheet 3

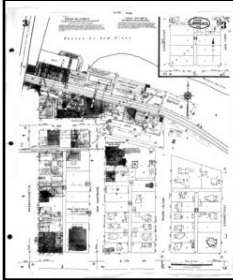


Volume 1, Sheet 15



Volume 1, Sheet 16

1949 Source Sheets



Volume 1, Sheet 3

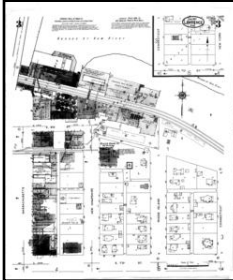


Volume 1, Sheet 15



Volume 1, Sheet 16

1927 Source Sheets



Volume 1, Sheet 3

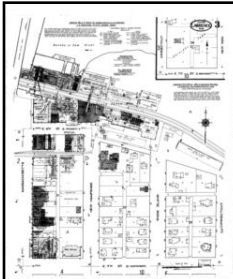


Volume 1, Sheet 15



Volume 1, Sheet 16

1918 Source Sheets



Volume 1, Sheet 3



Volume 1, Sheet 10

1912 Source Sheets



Volume 1, Sheet 9

1905 Source Sheets



Volume 1, Sheet 9



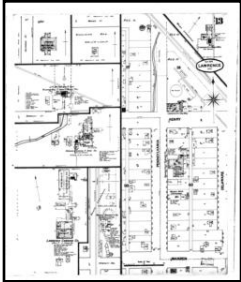
Volume 1, Sheet 3

1897 Source Sheets



Volume 1, Sheet 11

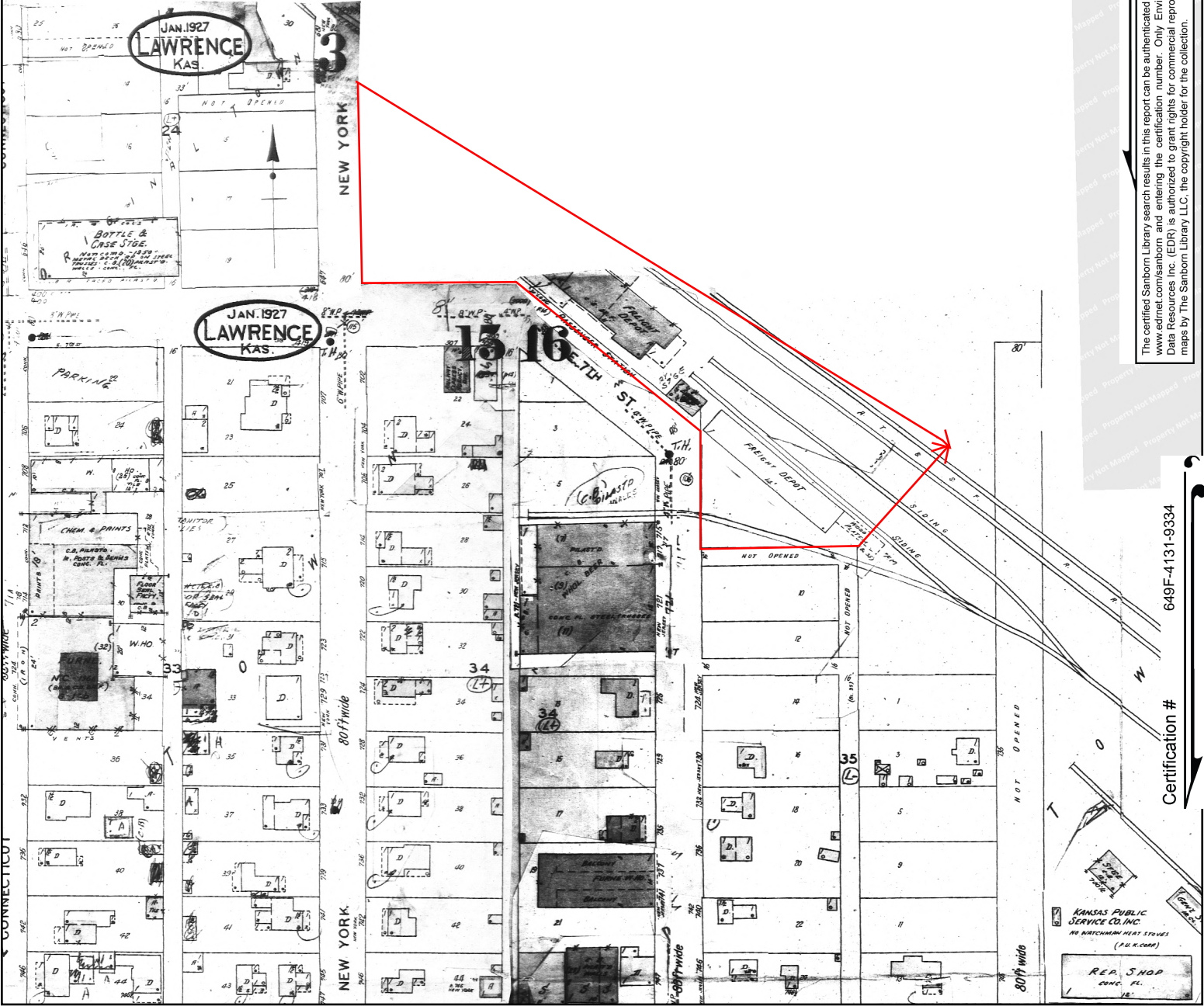
1889 Source Sheets



Volume 1, Sheet 13

1968 Certified Sanborn Map

Site Name: Railroad Depot
 Address: 413 E. 7th Street
 City, ST, ZIP: Lawrence KS 66044
 Client: Terracon, Inc.
 EDR Inquiry: 3723245.3
 Order Date: 9/10/2013 3:06:00 PM
 Certification #: 649F-4131-9334
 Copyright: 1968

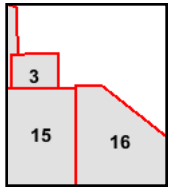
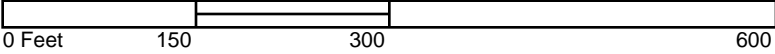


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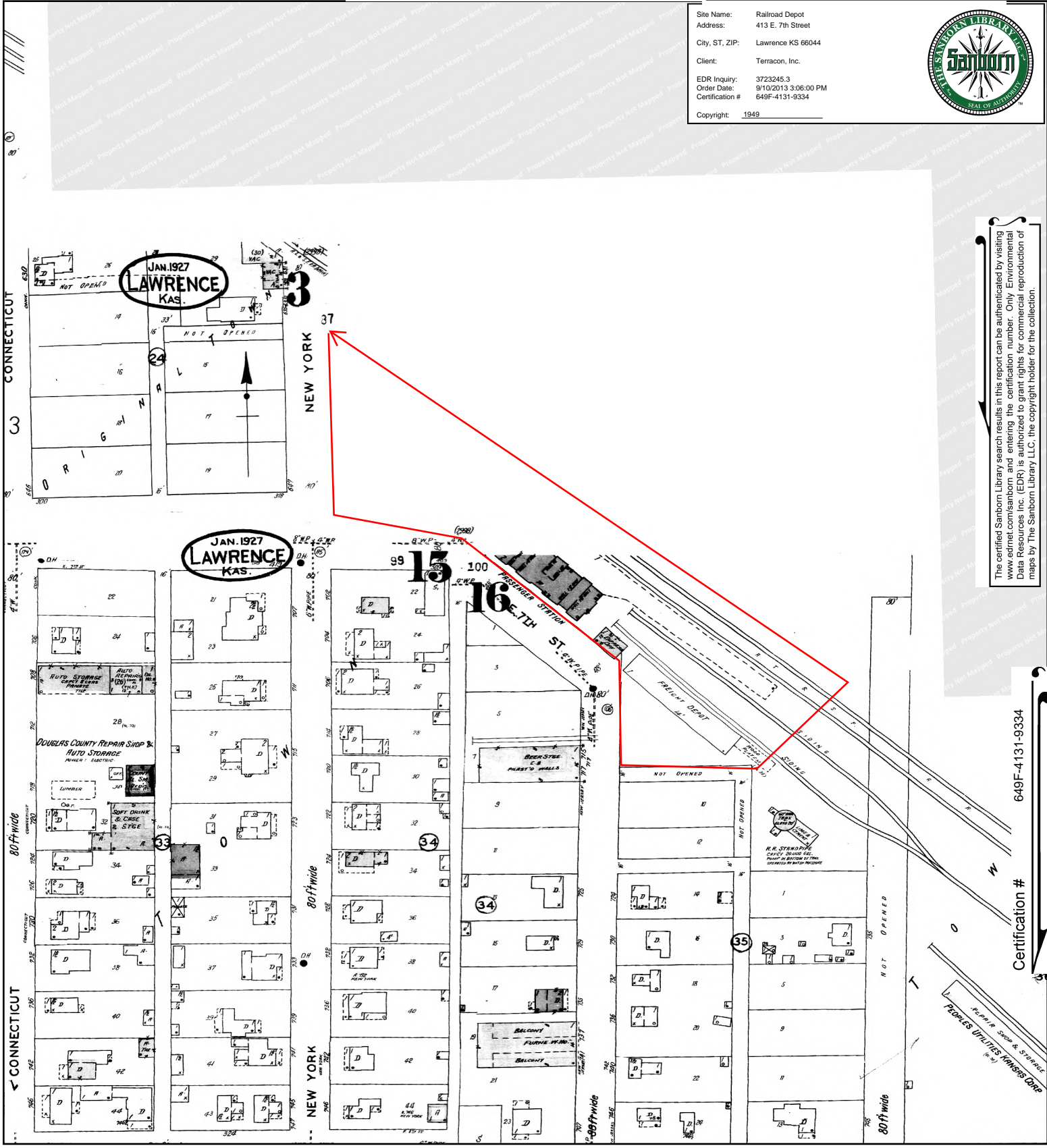


- Volume 1, Sheet 3
- Volume 1, Sheet 15
- Volume 1, Sheet 16



1949 Certified Sanborn Map

Site Name: Railroad Depot
 Address: 413 E. 7th Street
 City, ST, ZIP: Lawrence KS 66044
 Client: Terracon, Inc.
 EDR Inquiry: 3723245.3
 Order Date: 9/10/2013 3:06:00 PM
 Certification #: 649F-4131-9334
 Copyright: 1949

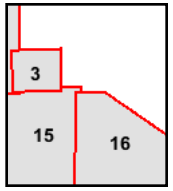
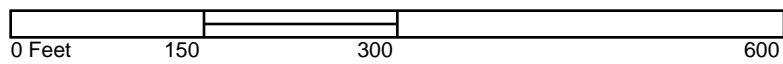


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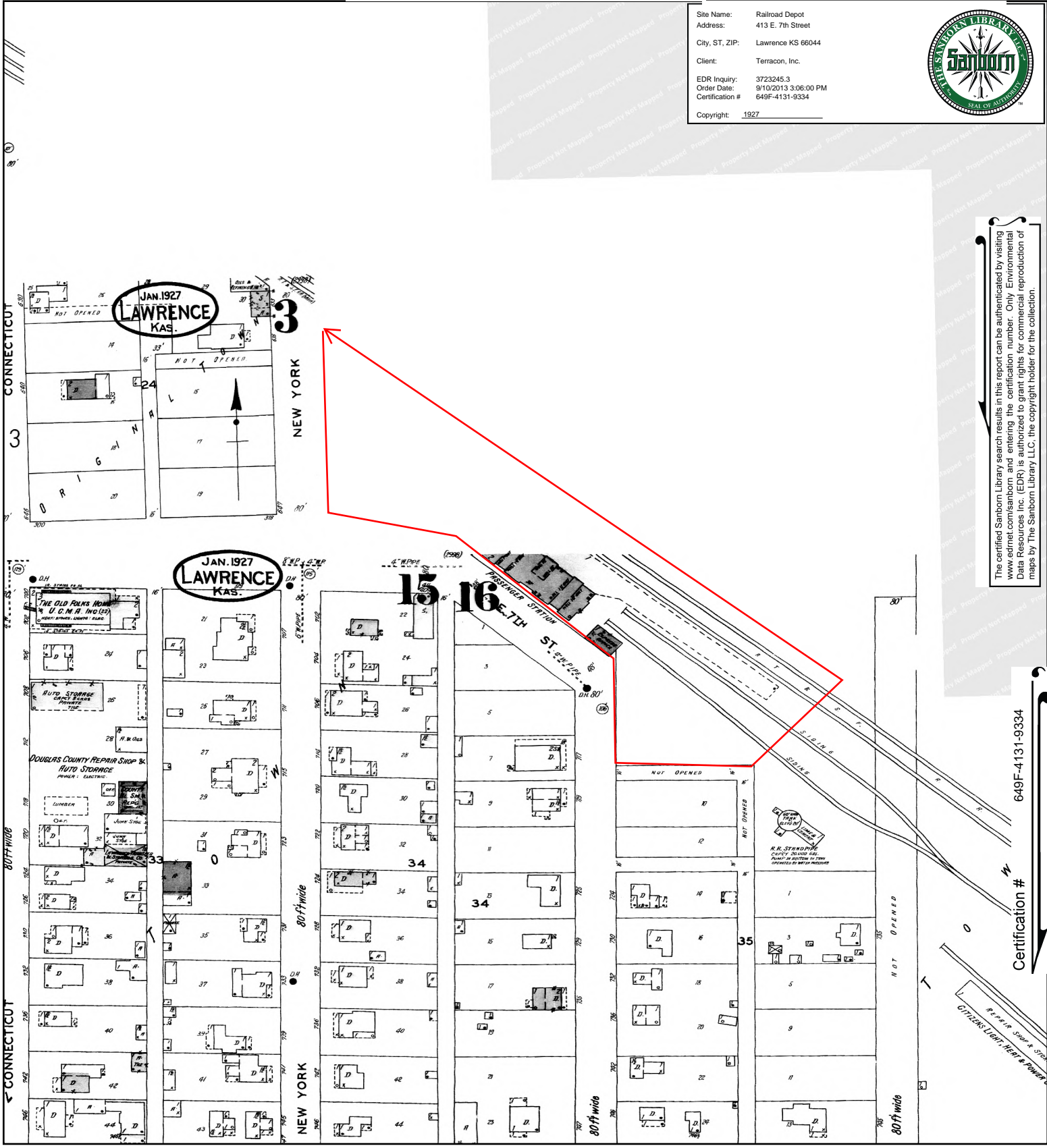


1927 Certified Sanborn Map

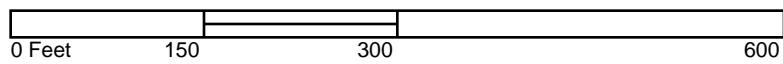
Site Name: Railroad Depot
 Address: 413 E. 7th Street
 City, ST, ZIP: Lawrence KS 66044
 Client: Terracon, Inc.
 EDR Inquiry: 3723245.3
 Order Date: 9/10/2013 3:06:00 PM
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- Volume 1, Sheet 3
- Volume 1, Sheet 15
- Volume 1, Sheet 16

Certification # 649F-4131-9334

1918 Certified Sanborn Map

10

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Certification # 649F-4131-9334

Site Name: Railroad Depot
Address: 413 E. 7th Street
City, ST, ZIP: Lawrence KS 66044
Client: Terracon, Inc.
EDR Inquiry: 3723245.3
Order Date: 9/10/2013 3:06:00 PM
Certification #: 649F-4131-9334
Copyright: 1918

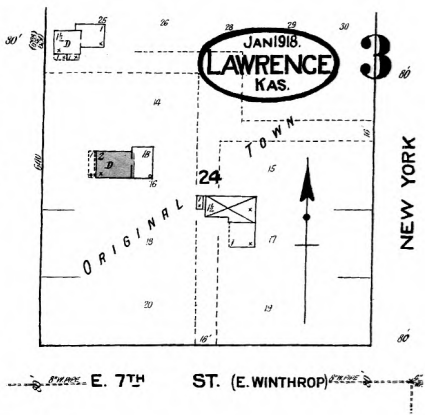


1918 Certified Sanborn Map

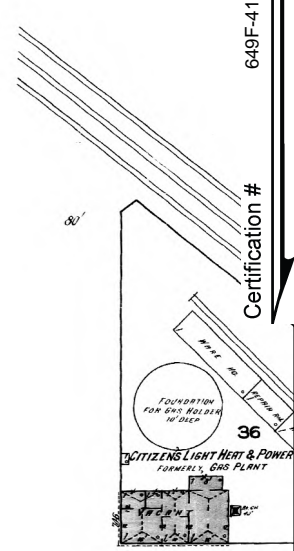
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 Address: 413 E. 7th Street
 City, ST, ZIP: Lawrence KS 66044
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 EDR Inquiry: 3723245.3
 Order Date: 9/10/2013 3:06:00 PM
 Certification # 649F-4131-9334
 Copyright: 1918



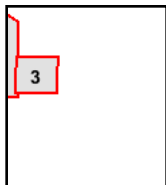
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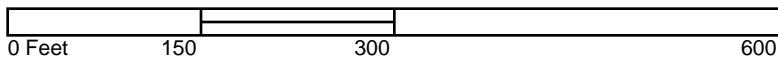
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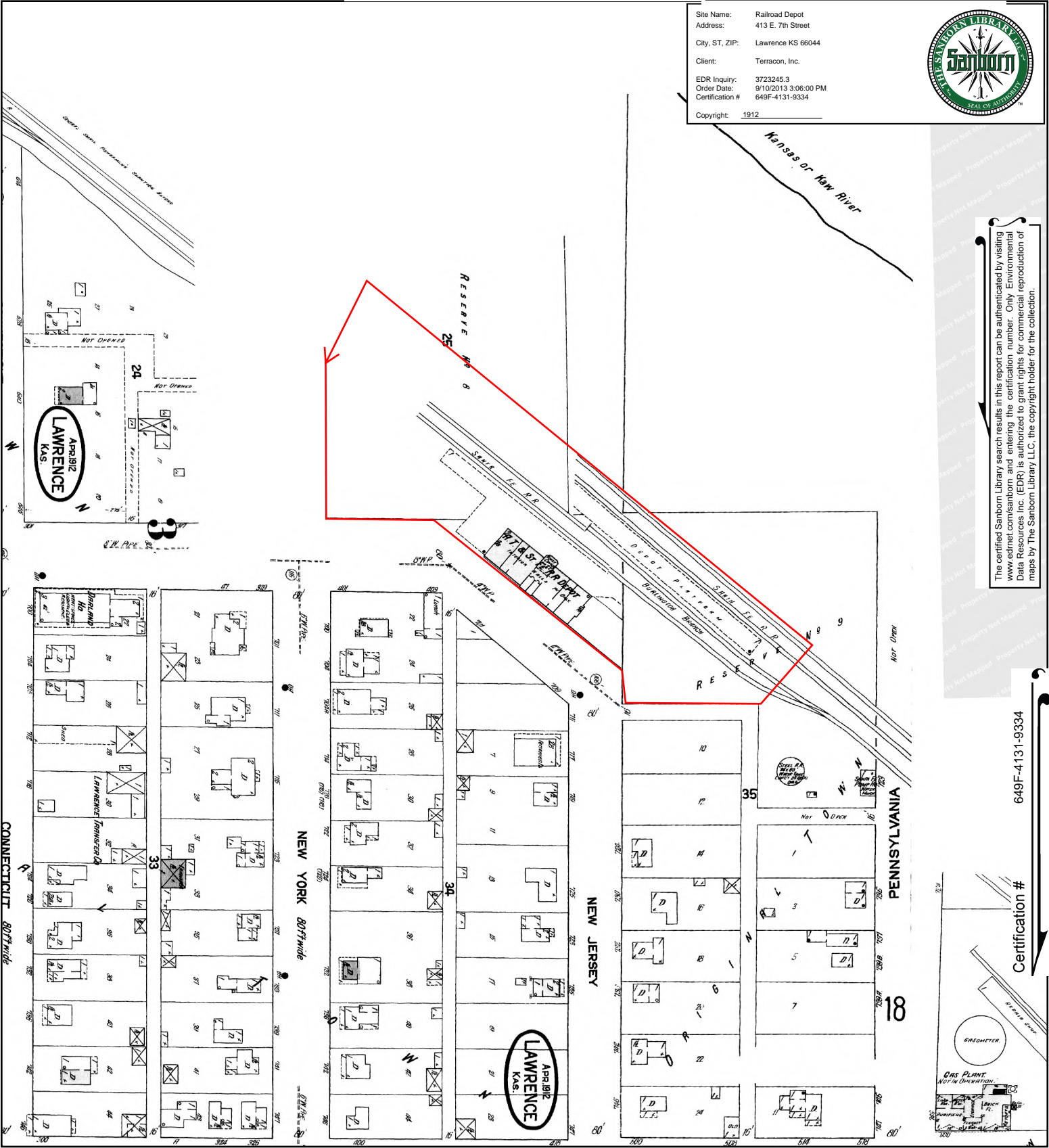


Volume 1, Sheet 3
 Volume 1, Sheet 10



1912 Certified Sanborn Map

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 Address: 413 E. 7th Street
 City, ST, ZIP: Lawrence KS 66044
 Client: Terracon, Inc.
 EDR Inquiry: 3723245.3
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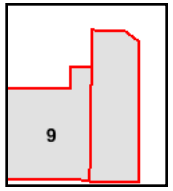
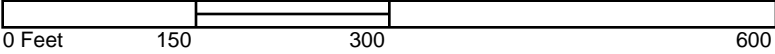


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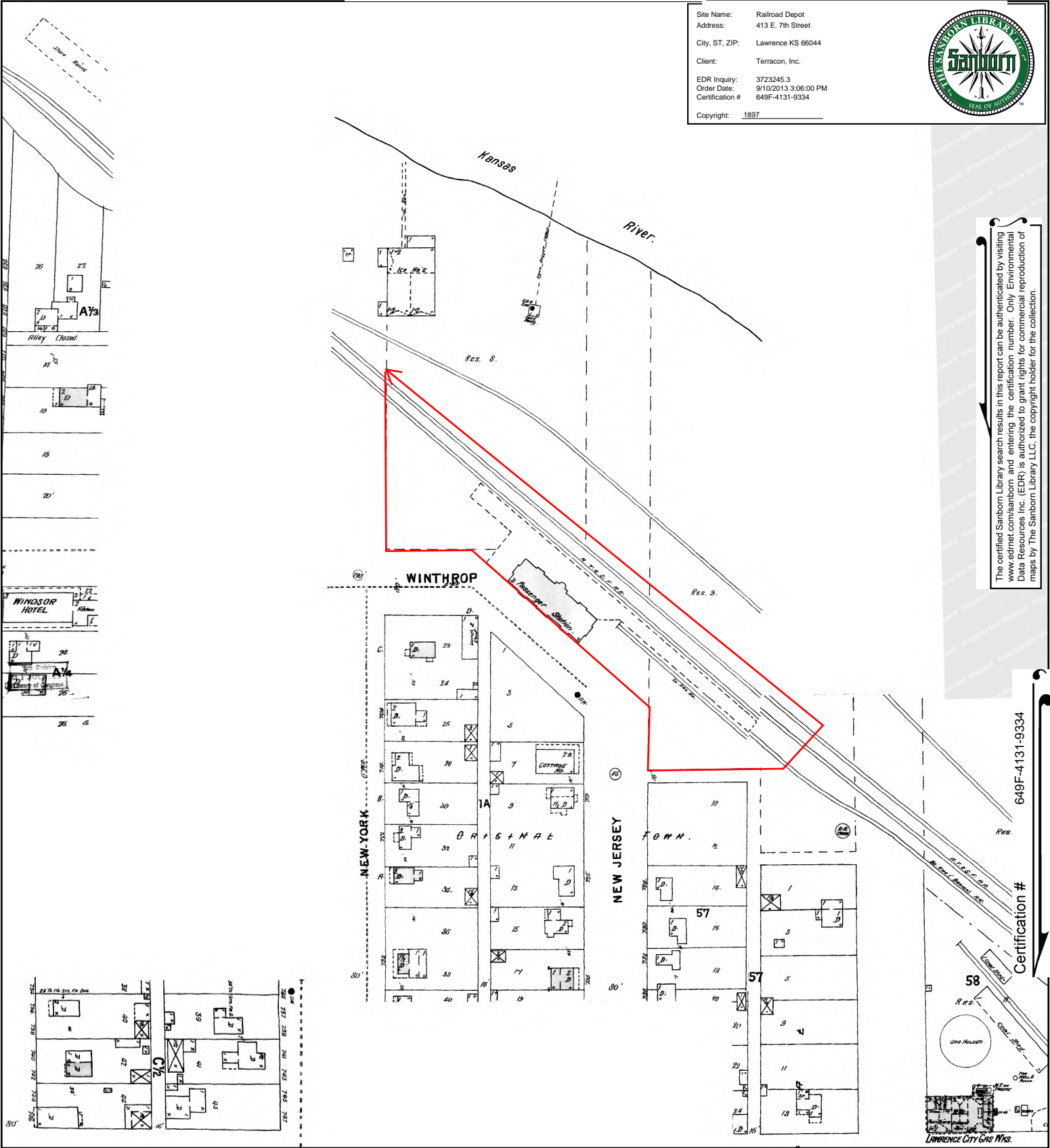


Volume 1, Sheet 9



1897 Certified Sanborn Map

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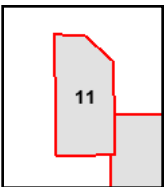
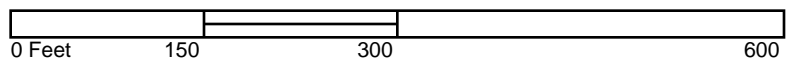


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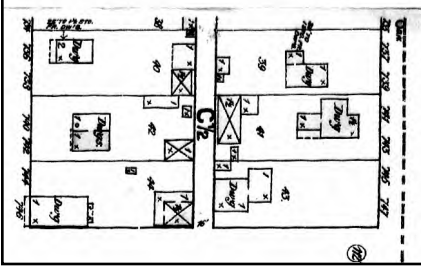
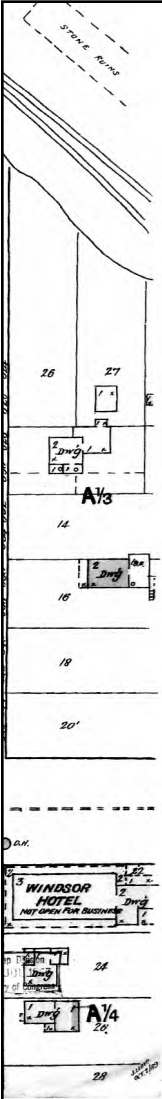


Volume 1, Sheet 11

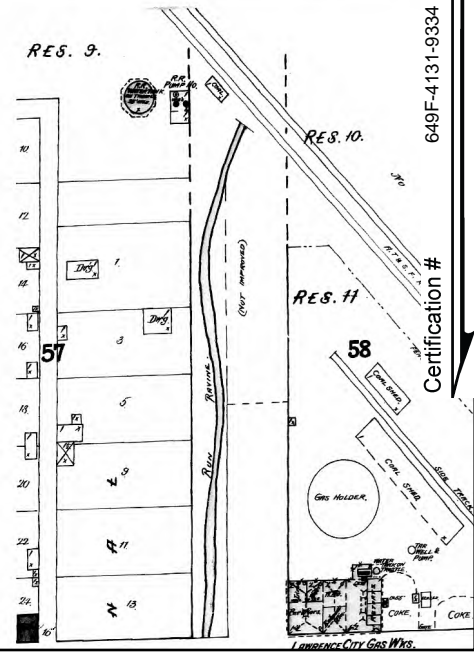


1889 Certified Sanborn Map

Site Name: Railroad Depot
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 City, ST, ZIP: Lawrence KS 66044
 Client: Terracon, Inc.
 EDR Inquiry: 3723245.3
 Order Date: 9/10/2013 3:06:00 PM
 Certification # 649F-4131-9334
 Copyright: 1889

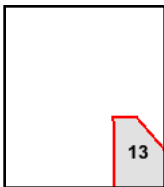


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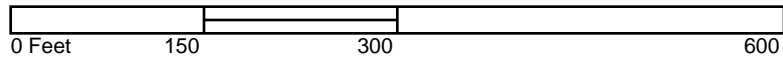


Certification # 649F-4131-9334

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



Volume 1, Sheet 13





File Name : 1955 New Santa Fe Depot
1305 A.jpg



File Name : 1955 New Santa Fe Depot
1305 B.jpg



File Name : 1956 Santa Fe New Interior
83.jpg



File Name : RH PH 18 A 68, Demolishing
Santa Fe Depot, May 1955.jp



File Name : Santa Fe Depot 1870.jpg



File Name : SantaFeDepot1951.jpg



File Name : SantaFeDepotCirca1925.jpg



File Name : station1.jpg



File Name : 00149279.jpg



File Name : 14675.jpg



File Name : 14676-1.jpg

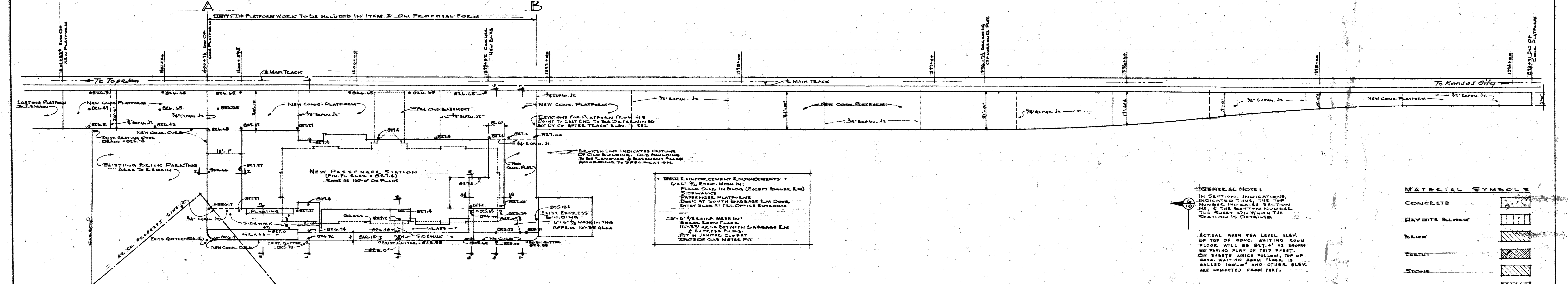


File Name : 14676-2a.jpg



File Name : 14676-3.jpg

NEW PASSENGER STATION FOR THE A. T. & S. F. R. Y. C. O. LAWRENCE, KANSAS

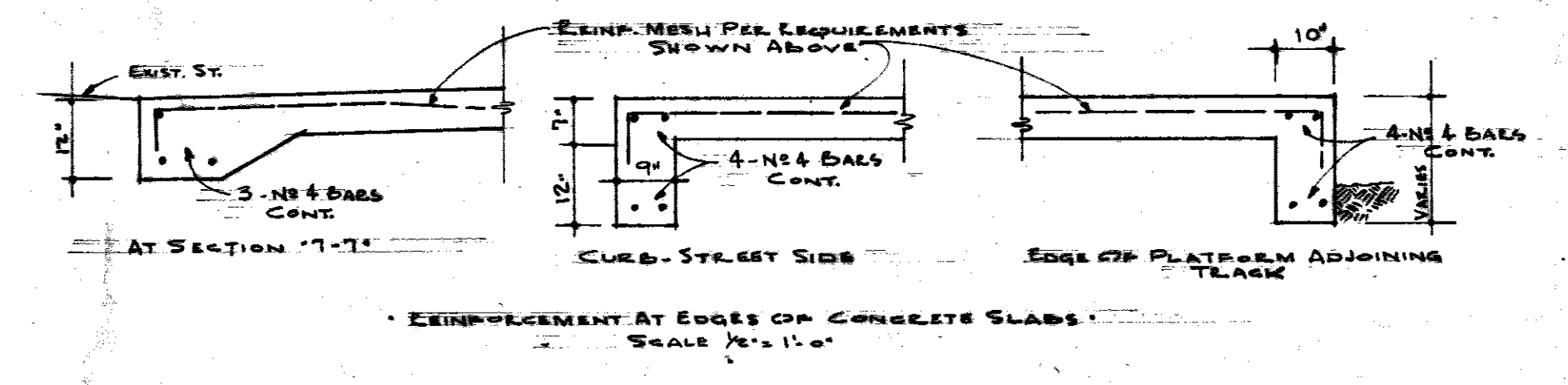


• MESH REINFORCEMENT REQUIREMENTS -
 1. 1/2" x 10" REIN. MESH IN:
 CONCRETE SLABS IN BLDG (EXCEPT BRICK END)
 SIDEWALKS
 CONC. CURBS
 DECK AT SOUTH BARBERS END DOOR
 EXIST. SLAB AT THE OFFICE ENTRANCE
 2. 1/2" x 10" REIN. MESH IN:
 EXIST. BELK PARLOR FLOOR
 EXIST. BELK PARLOR CONC. & PAVE. NEW
 CONC. CURB ON SOUND CONC.
 IN WALKWAY CLUST
 OUTSIDE GAS METER PIT

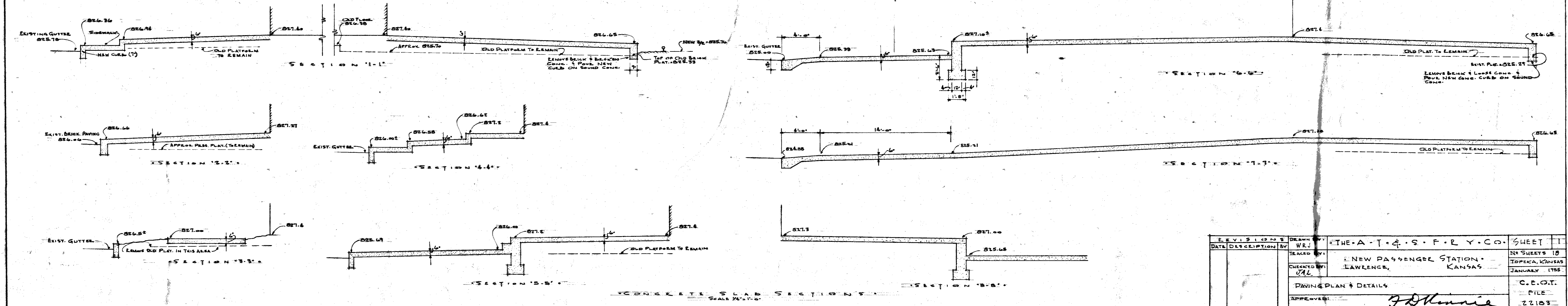
GENERAL NOTES:
 IN SECTIONS INDICATIONS
 INDICATED THUS: THE TOP
 NUMBER INDICATES SECTION
 NO. & THE BOTTOM NUMBER
 IS THE SHEET NUMBER.
 THE SECTION IS DETAILED.
 ACTUAL MEAN SEA LEVEL ELEV.
 OF TOP OF CONC. WAITING ROOM
 SLAB WILL BE 827.4' AS SHOWN
 ON PAVING PLAN OF THIS SHEET.
 ON SHEETS WHICH FOLLOW, TOP OF
 CONC. WAITING ROOM FLOOR IS
 CALLED 100'-0" AND OTHER ELEV.
 ARE COMPUTED FROM THAT.

MATERIAL SYMBOLS	
CONCRETE	
DAYRITE BLOCK	
BRICK	
EARTH	
STONE	
INSULATION	
WOOD (ROUGH)	
WOOD (FINISH)	
GLAZED TILE	
METAL (LARGE SCALE)	
METAL (SMALL SCALE)	

LOCATION & PAVING PLAN
 SCALE 1" = 20'

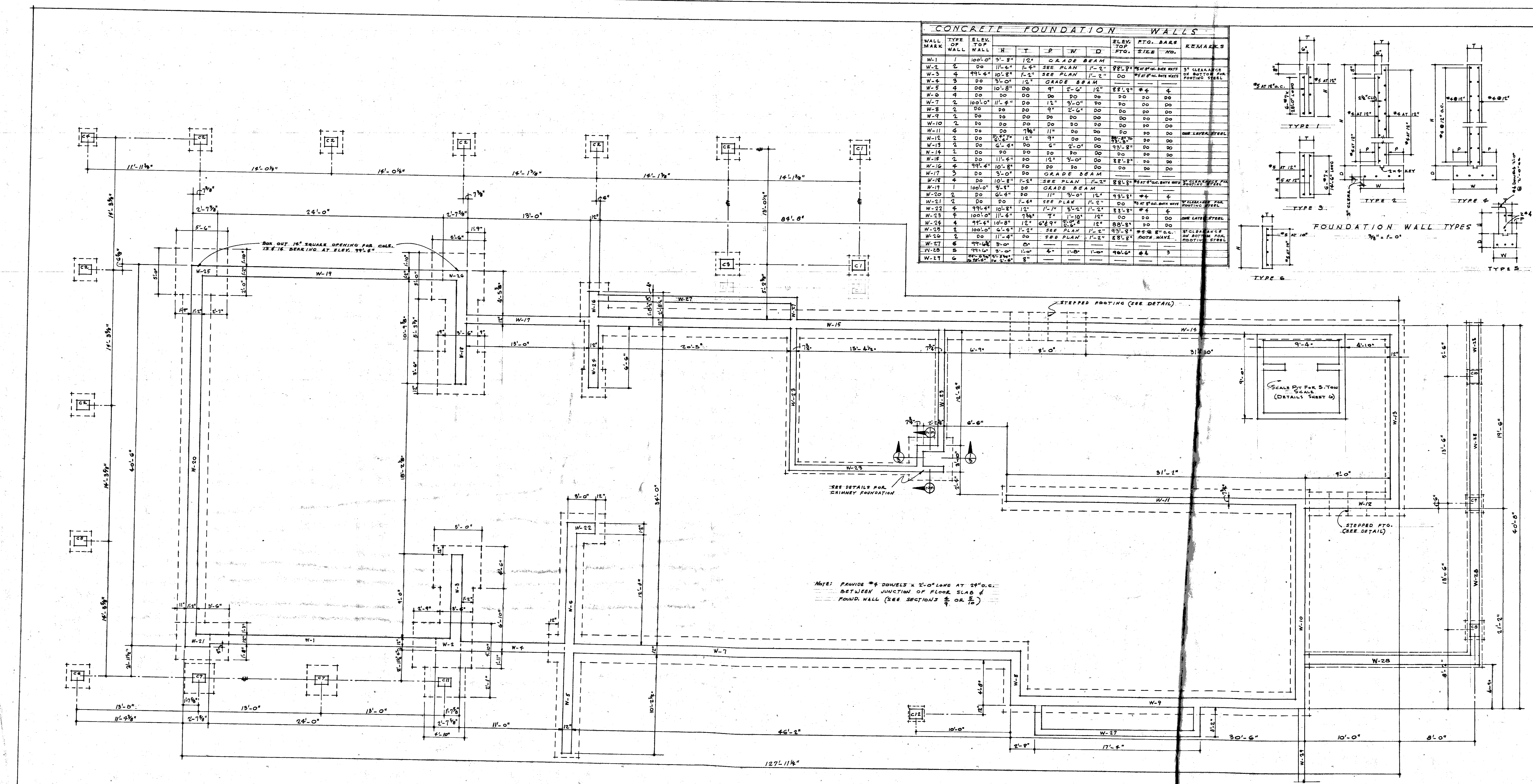


REINFORCEMENT AT EDGES OF CONCRETE SLABS
 SCALE 1/4" = 1'-0"

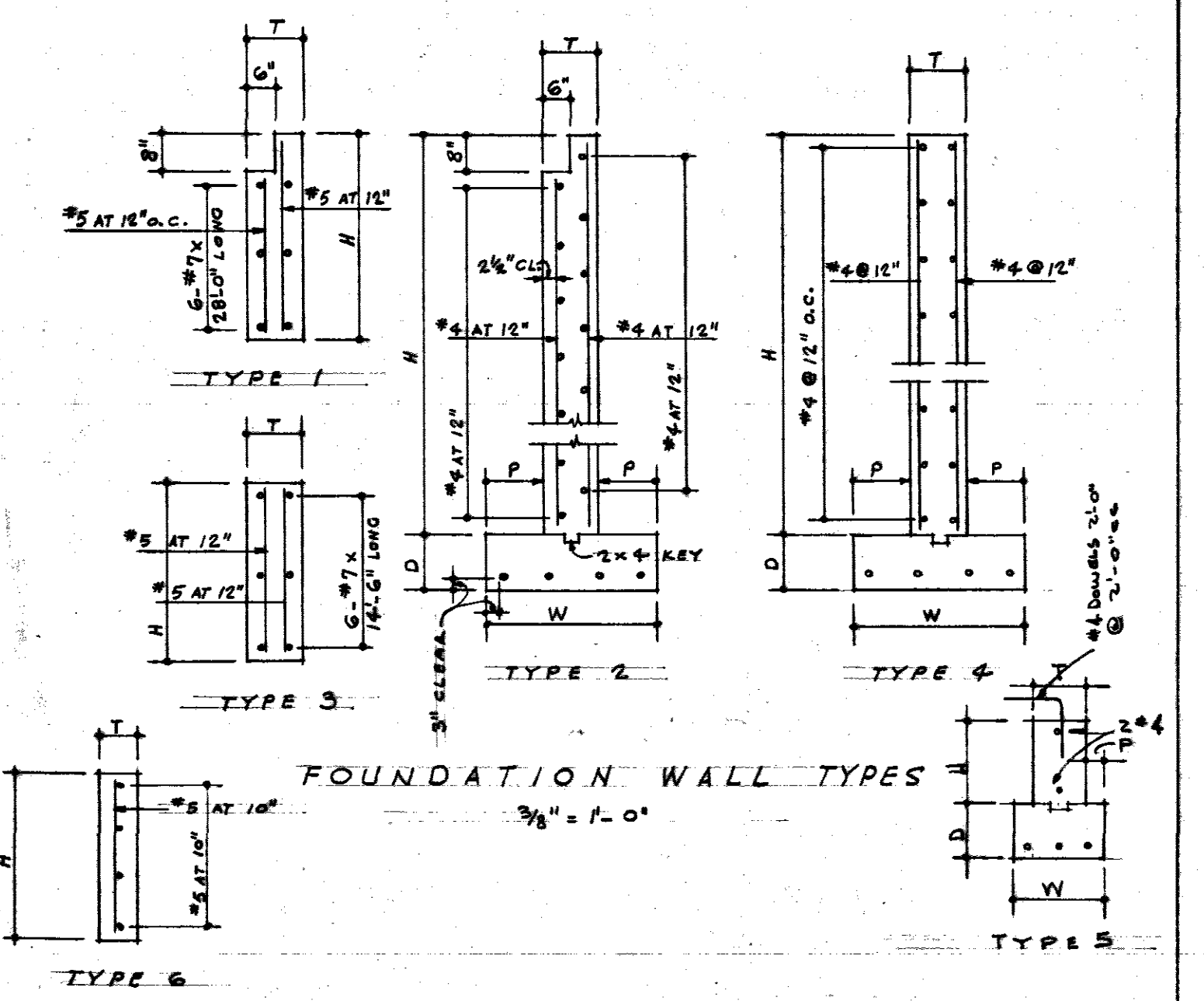


CONCRETE SLAB SECTIONS
 SCALE 1/4" = 1'-0"

DATE	DESCRIPTION	BY	THE A. T. & S. F. R. Y. CO.	SHEET	1
		WRJ	NEW PASSENGER STATION - LAWRENCE, KANSAS	NO. SHEETS IN THIS SET	18
		WRJ	PAVING PLAN & DETAILS	DATE	JANUARY 1955
		WRJ	APPROVED:	C. E. O. T.	FILE
			<i>J. J. Hanna</i>		22103
			CHIEF ENGINEER		

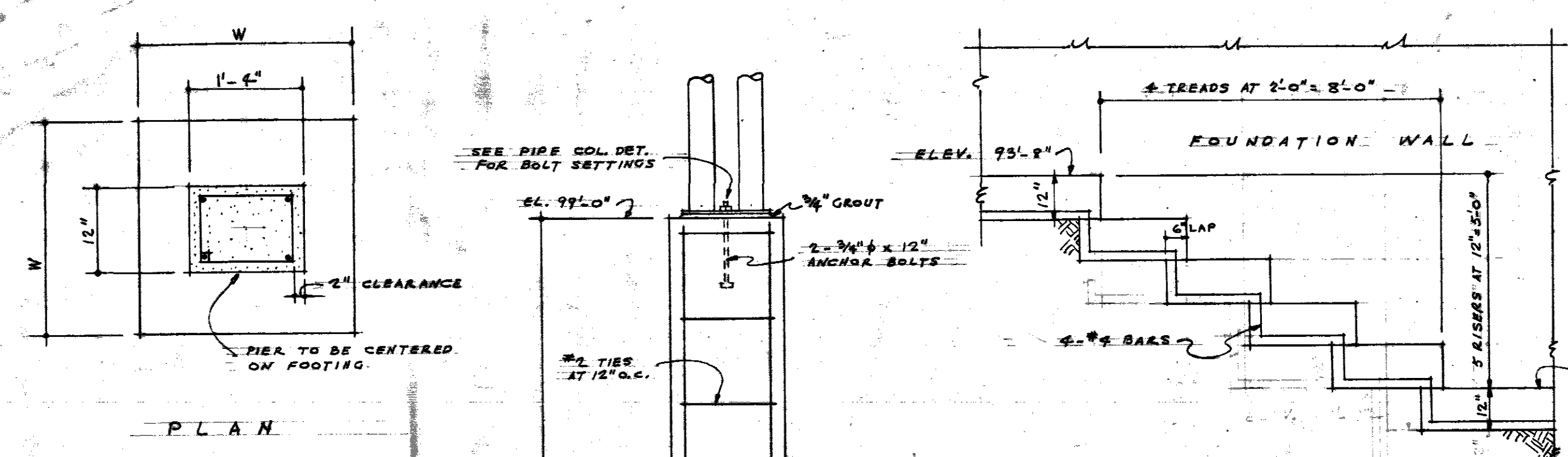


CONCRETE FOUNDATION WALLS											
WALL MARK	TYPE OF WALL	ELEV. TOP WALL	H	T	D	W	D	ELEV. TOP FTO.	FTO. BARS	REMARKS	
									SIZE NO.		
W-1	1	100'-0"	3'-8"	12"	GRADE BEAM	1'-2"	88'-8"	DO	DO	DO	DO
W-2	2	DO	11'-6"	1'-6"	SEE PLAN	1'-2"	88'-8"	DO	DO	DO	DO
W-3	4	99'-4"	10'-8"	1'-2"	SEE PLAN	1'-2"	DO	DO	DO	DO	DO
W-4	3	DO	12'-0"	1'-2"	GRADE BEAM	1'-2"	DO	DO	DO	DO	DO
W-5	4	DO	10'-8"	DO	DO	1'-2"	88'-8"	DO	DO	DO	DO
W-6	4	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
W-7	2	100'-0"	11'-6"	DO	1'-2"	3'-0"	DO	DO	DO	DO	DO
W-8	2	DO	DO	DO	DO	1'-2"	DO	DO	DO	DO	DO
W-9	2	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
W-10	2	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
W-11	4	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
W-12	2	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
W-13	2	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
W-14	2	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
W-15	2	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
W-16	2	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
W-17	3	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
W-18	4	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
W-19	1	100'-0"	5'-8"	DO	GRADE BEAM	1'-2"	88'-8"	DO	DO	DO	DO
W-20	2	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
W-21	2	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
W-22	4	99'-4"	10'-8"	1'-2"	SEE PLAN	1'-2"	88'-8"	DO	DO	DO	DO
W-23	4	100'-0"	11'-6"	DO	DO	1'-2"	DO	DO	DO	DO	DO
W-24	4	99'-4"	10'-8"	1'-2"	SEE PLAN	1'-2"	88'-8"	DO	DO	DO	DO
W-25	2	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
W-26	2	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
W-27	6	99'-4"	10'-8"	1'-2"	SEE PLAN	1'-2"	88'-8"	DO	DO	DO	DO
W-28	6	99'-4"	10'-8"	1'-2"	SEE PLAN	1'-2"	88'-8"	DO	DO	DO	DO



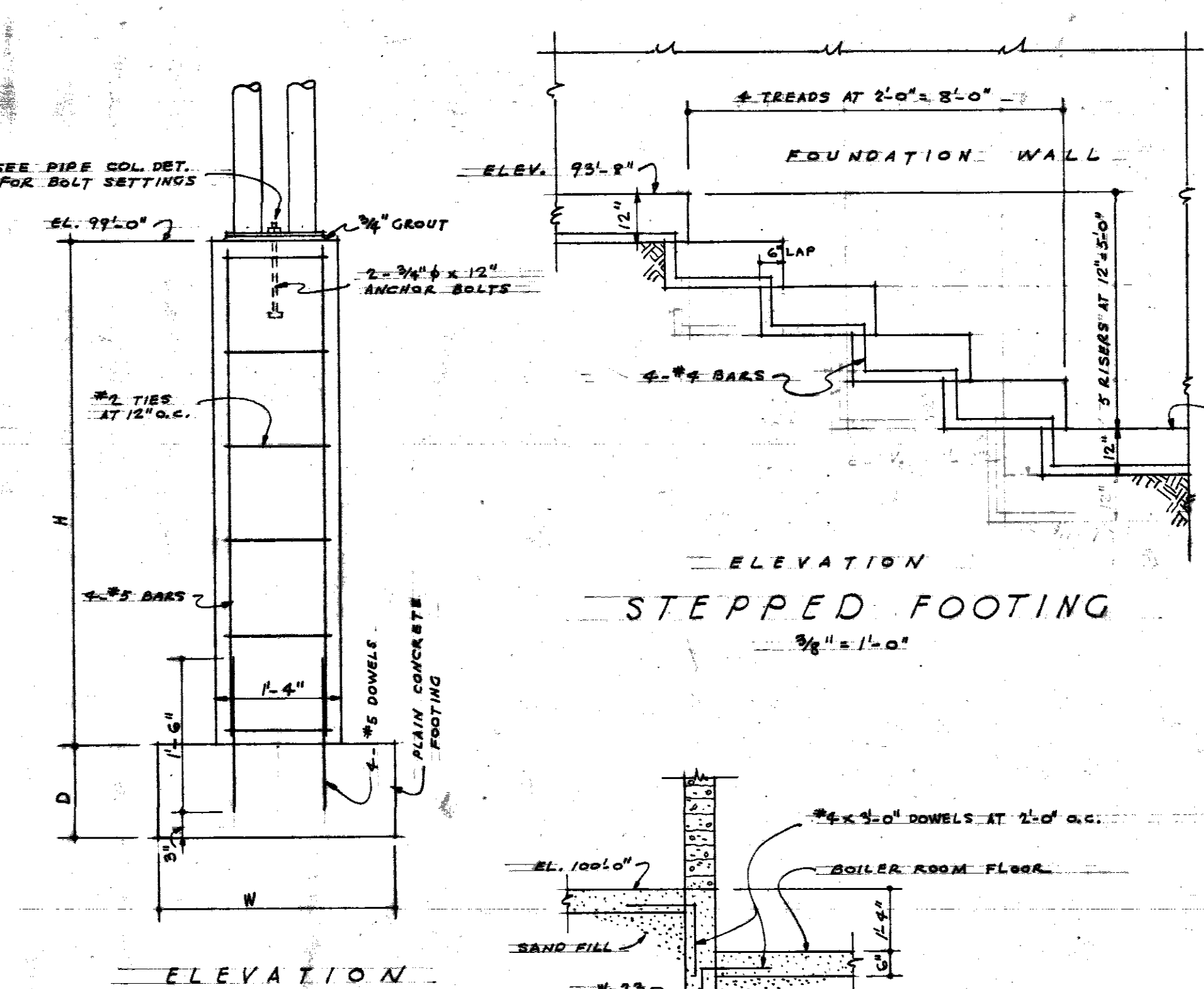
REVISIONS	DATE	DESCRIPTION	BY	DATE	DESCRIPTION	BY

DESIGNED BY:	W.C.	THE A. T. & S. P. R. Y. CO.	SHEET	7
CHECKED BY:	J.A.L.	NEW PASSENGER STATION	SIX SHEETS	18
		LAWRENCE, KANSAS	TOPEKA, KANSAS	
			JANUARY 1955	
		FOUNDATION PLAN	C.E.O.T.	
			FILE	
			2-2-55	



CANOPY COL. FTGS. & PIERS

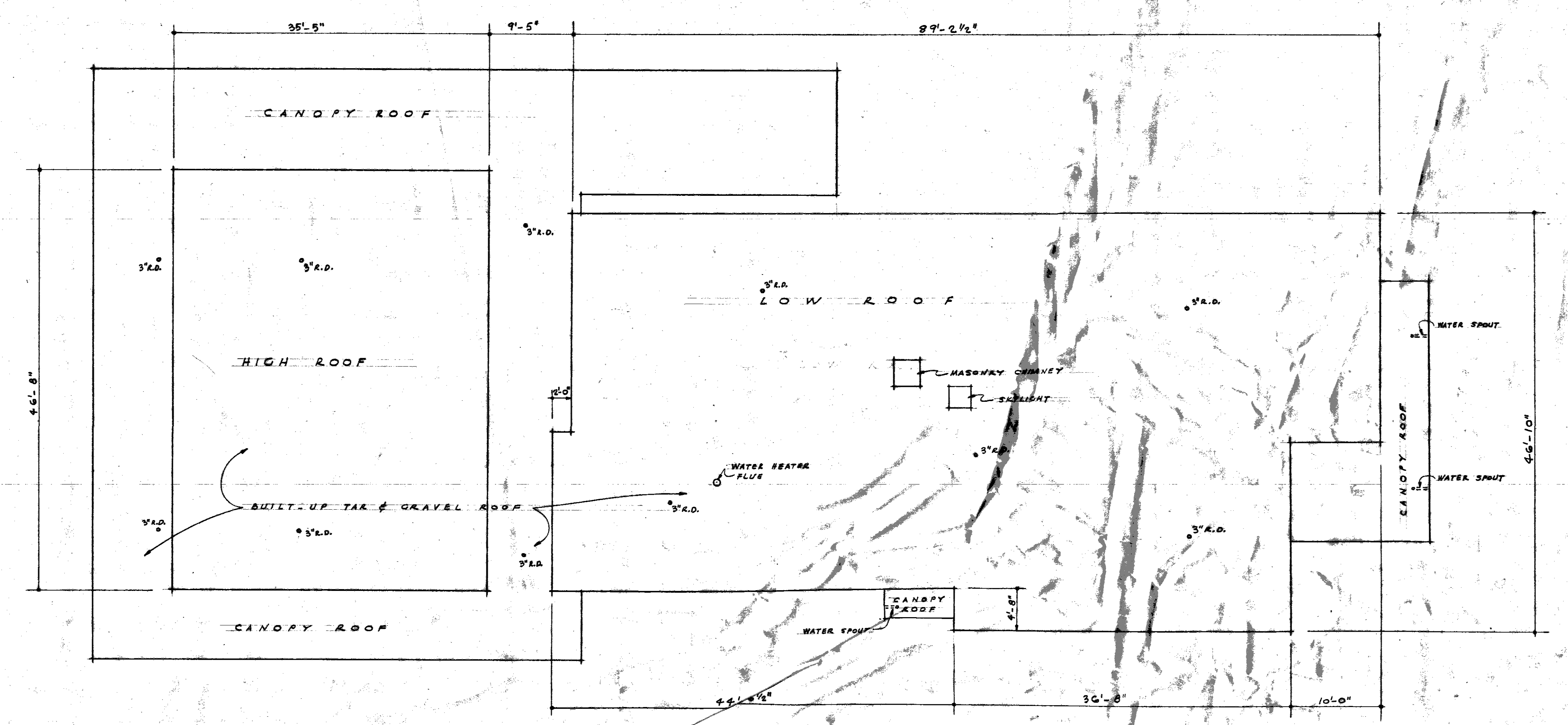
COL. NO.	W	D	ELEV. TOP FTG.	ELEV. TOP PIER	H
C-1	2'-0"	12"	88'-8"	93'-0"	10'-4"
C-2	2'-6"	Do	93'-8"	98"	5'-4"
C-3	2'-6"	Do	88'-8"	90"	10'-4"
C-4	1'-10"	Do	83'-8"	88"	5'-4"
C-5	2'-6"	Do	80"	80"	80"
C-6	2'-6"	Do	80"	80"	80"
C-7	2'-6"	Do	80"	80"	80"
C-8	2'-6"	Do	80"	80"	80"
C-9	1'-10"	Do	80"	80"	80"
C-10	1'-6"	Do	80"	80"	80"
C-11	1'-6"	Do	80"	80"	80"
C-12	1'-6"	Do	80"	80"	80"



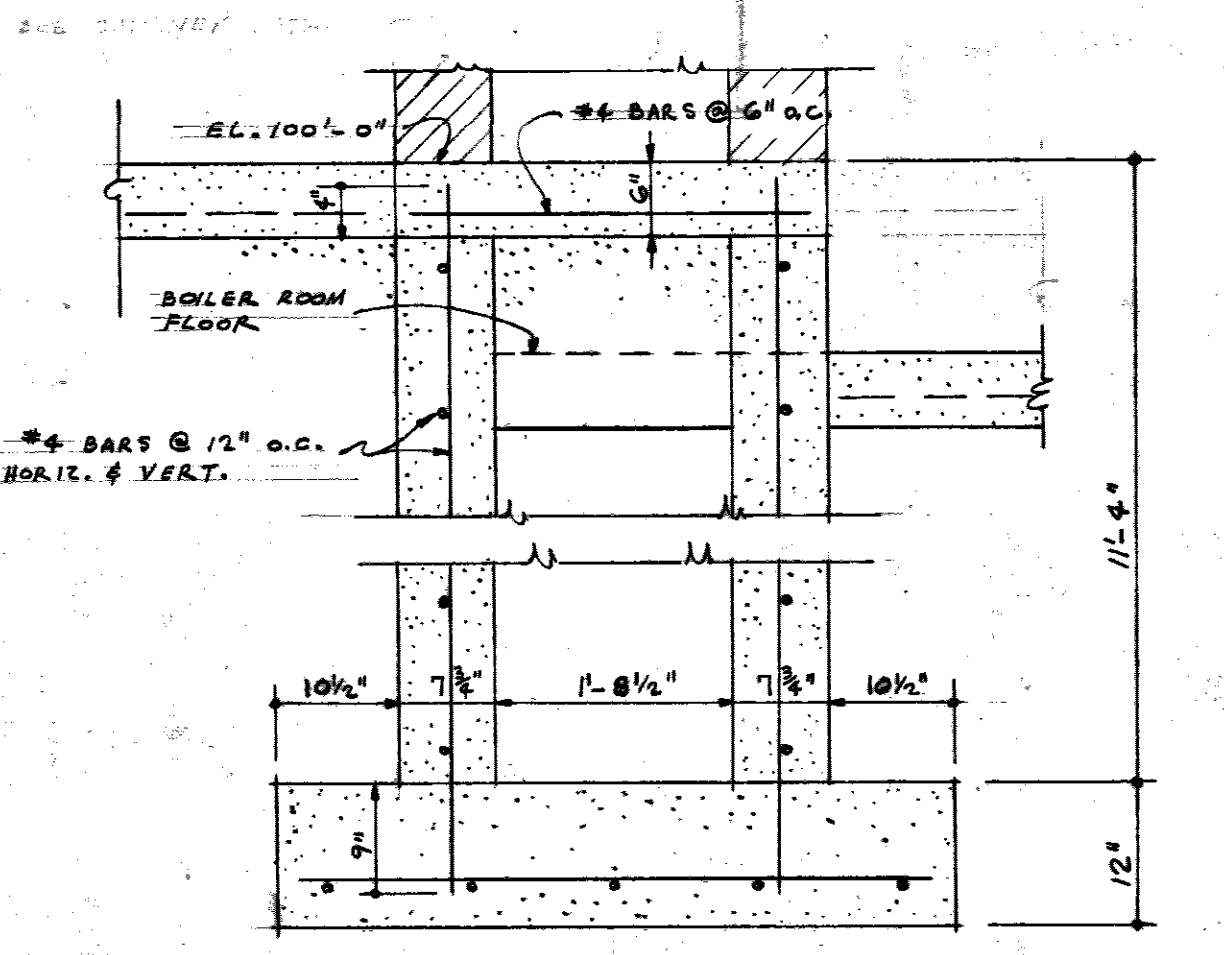
CANOPY COLUMN FOOTING DETAILS
3/4" x 1'-0"

ELEVATION STEPPED FOOTING
3/4" x 1'-0"

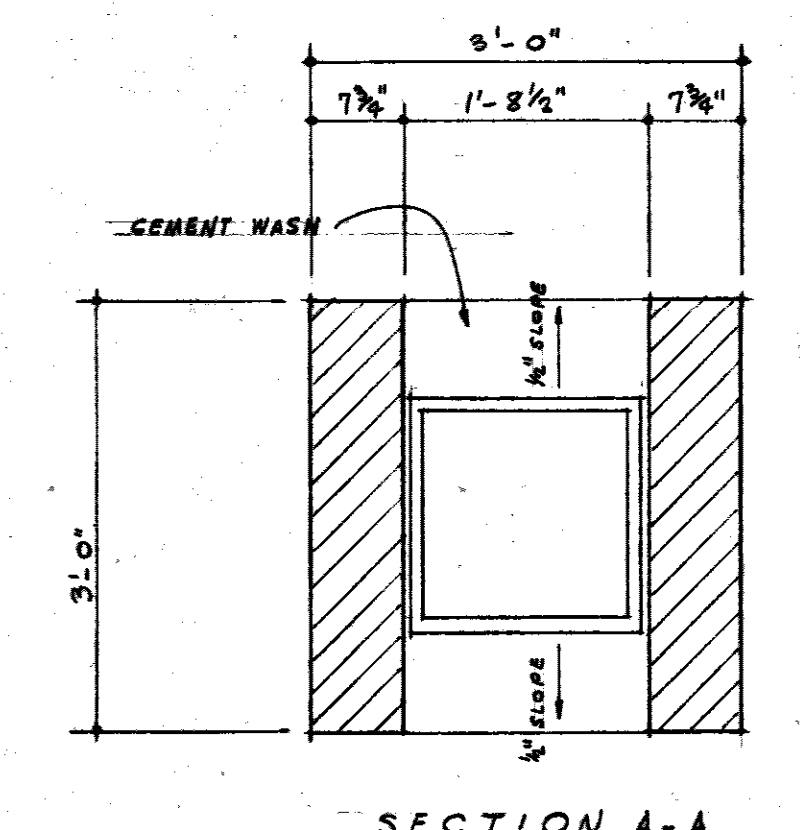
VERTICAL SECTION BOILER ROOM WALL
3/4" x 1'-0"



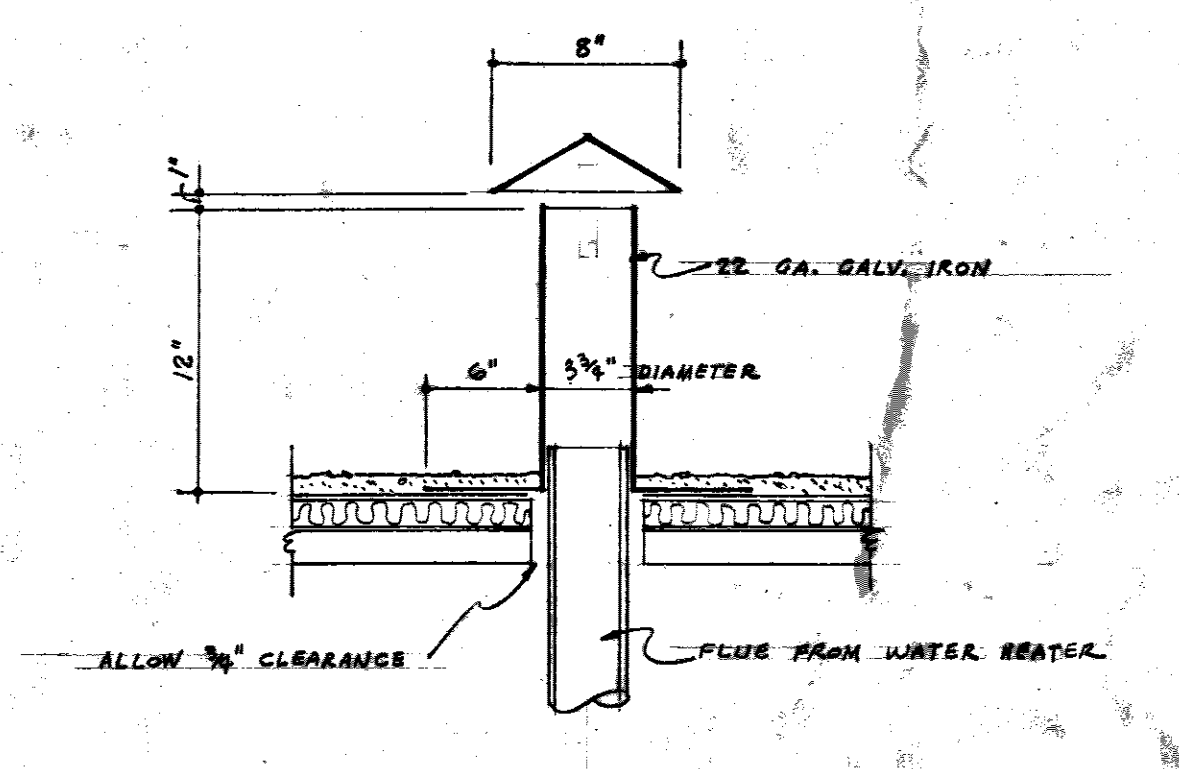
ROOF PLAN
1/2" x 1'-0"



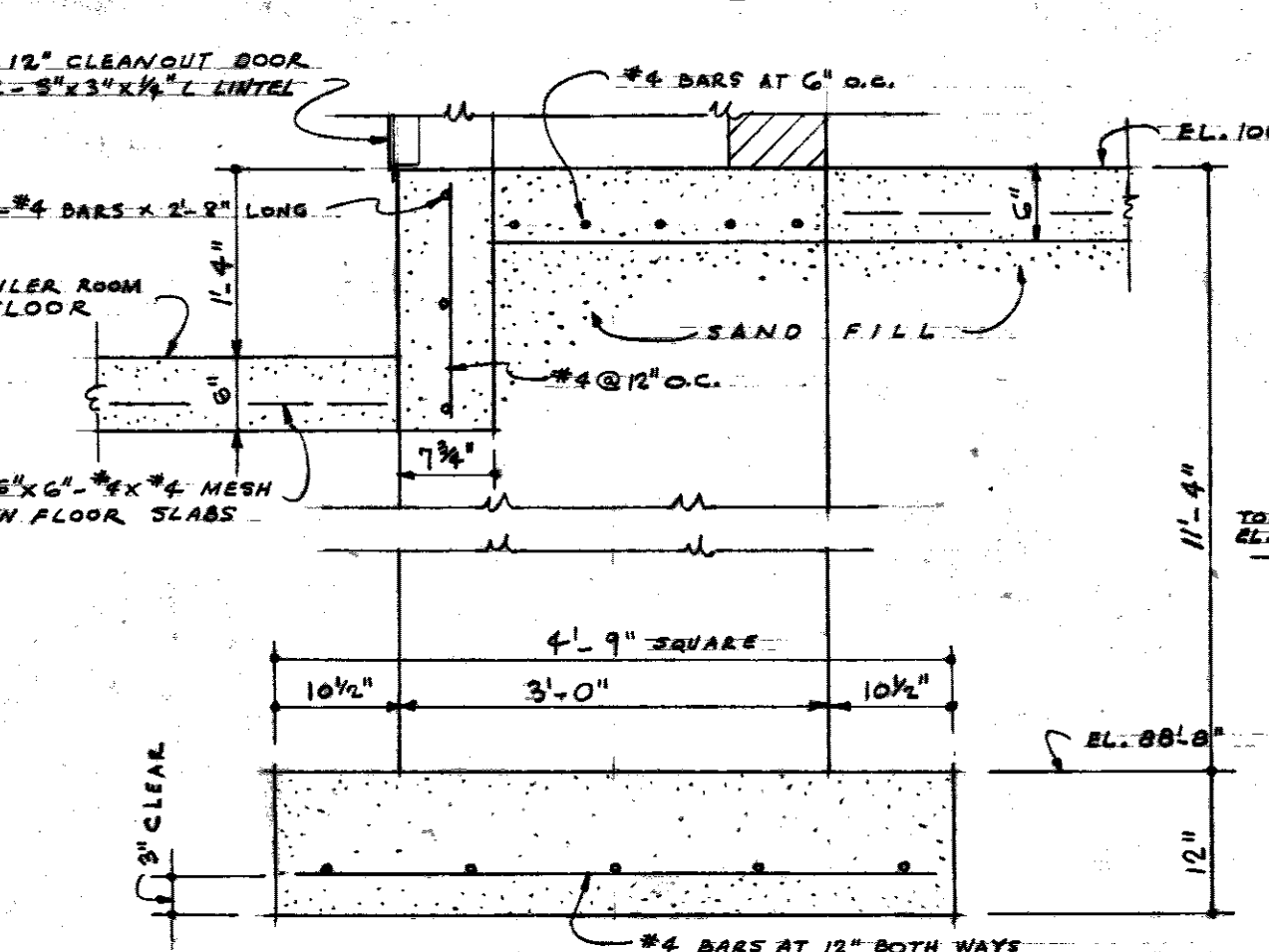
SECTION 3



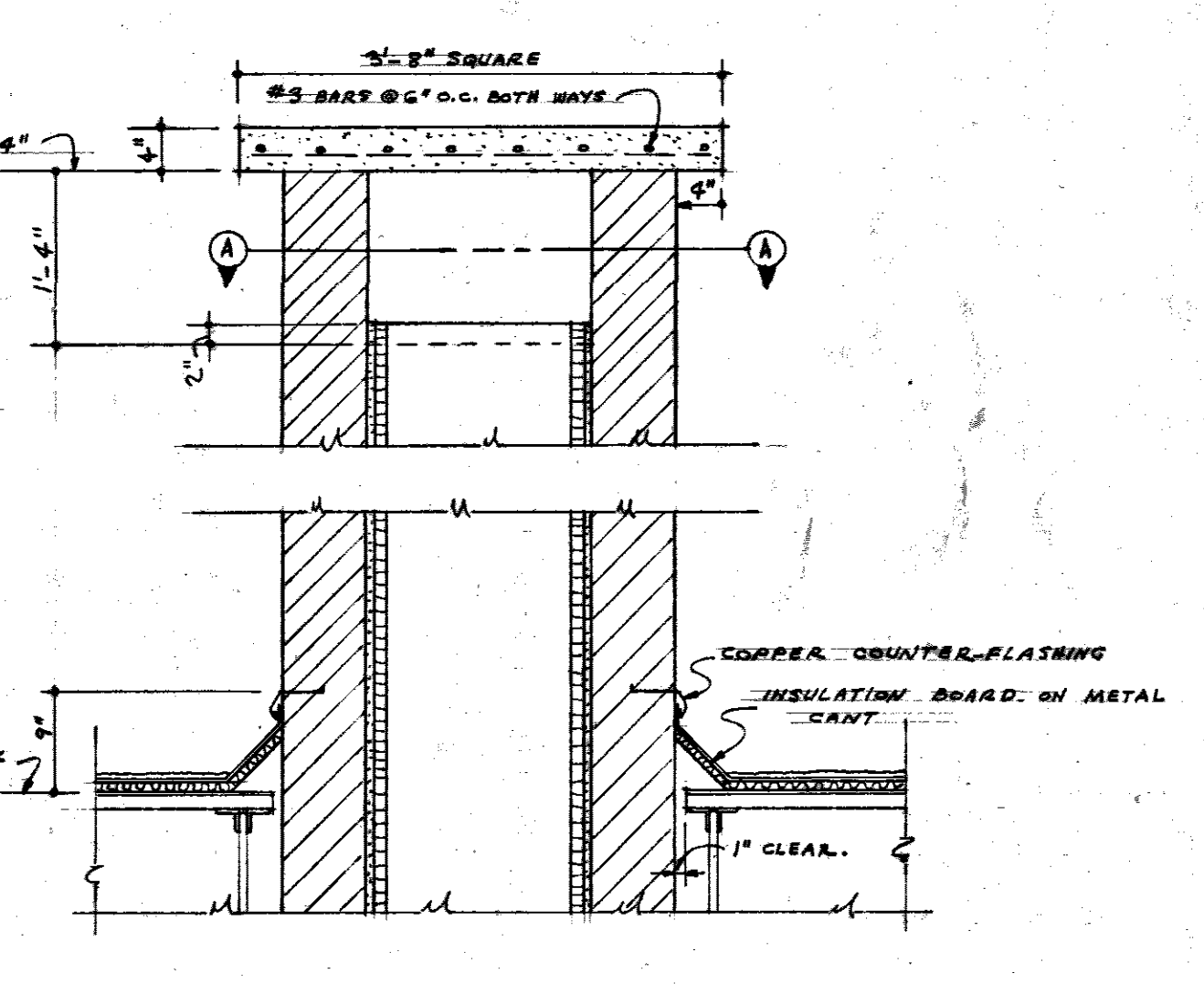
SECTION A-A



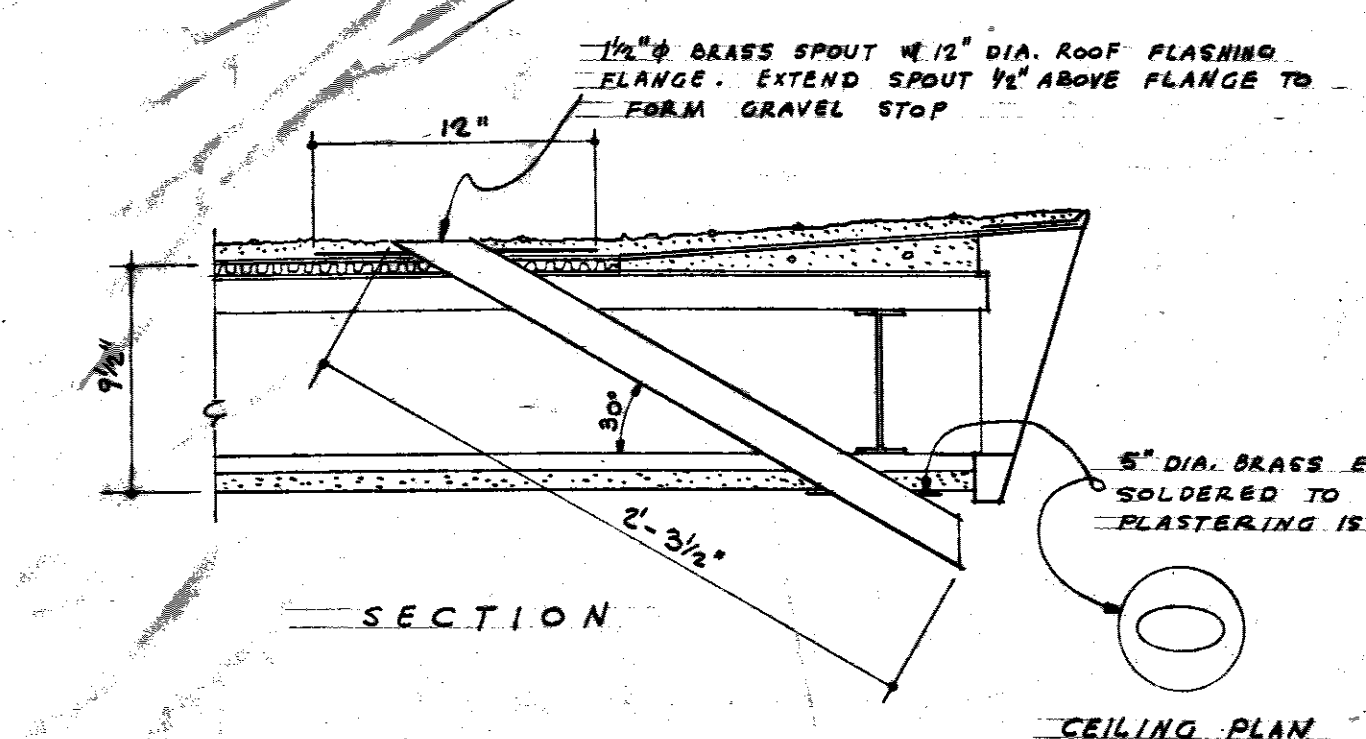
WATER HEATER FLUE
1/2" x 1'-0"



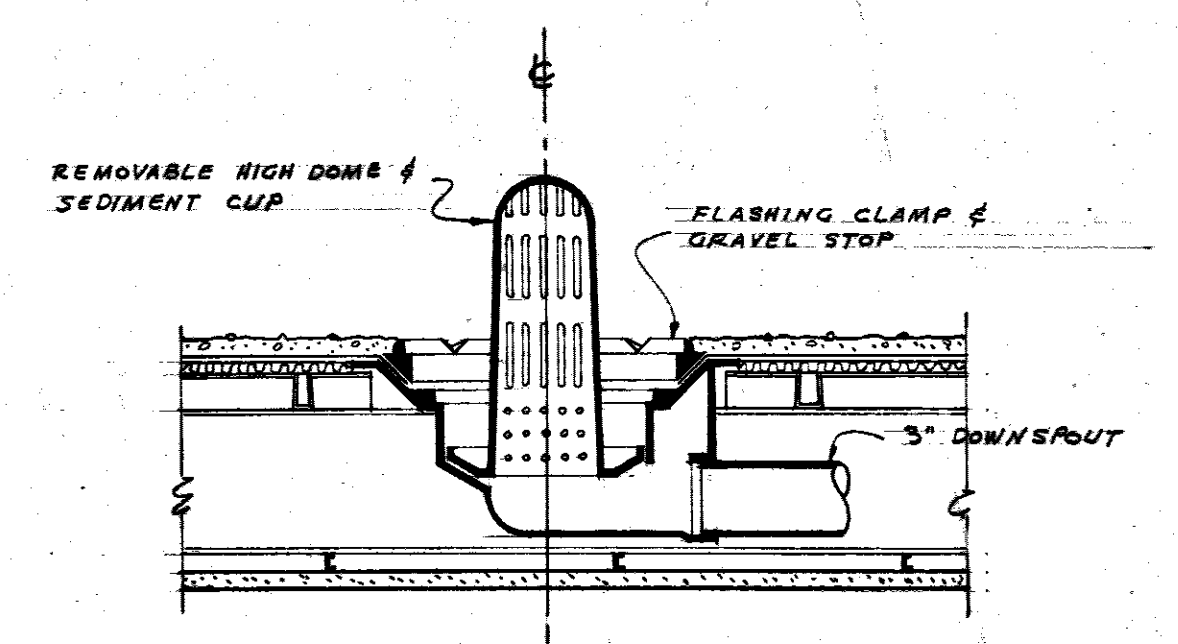
SECTION 4
FOUNDATION SECTIONS



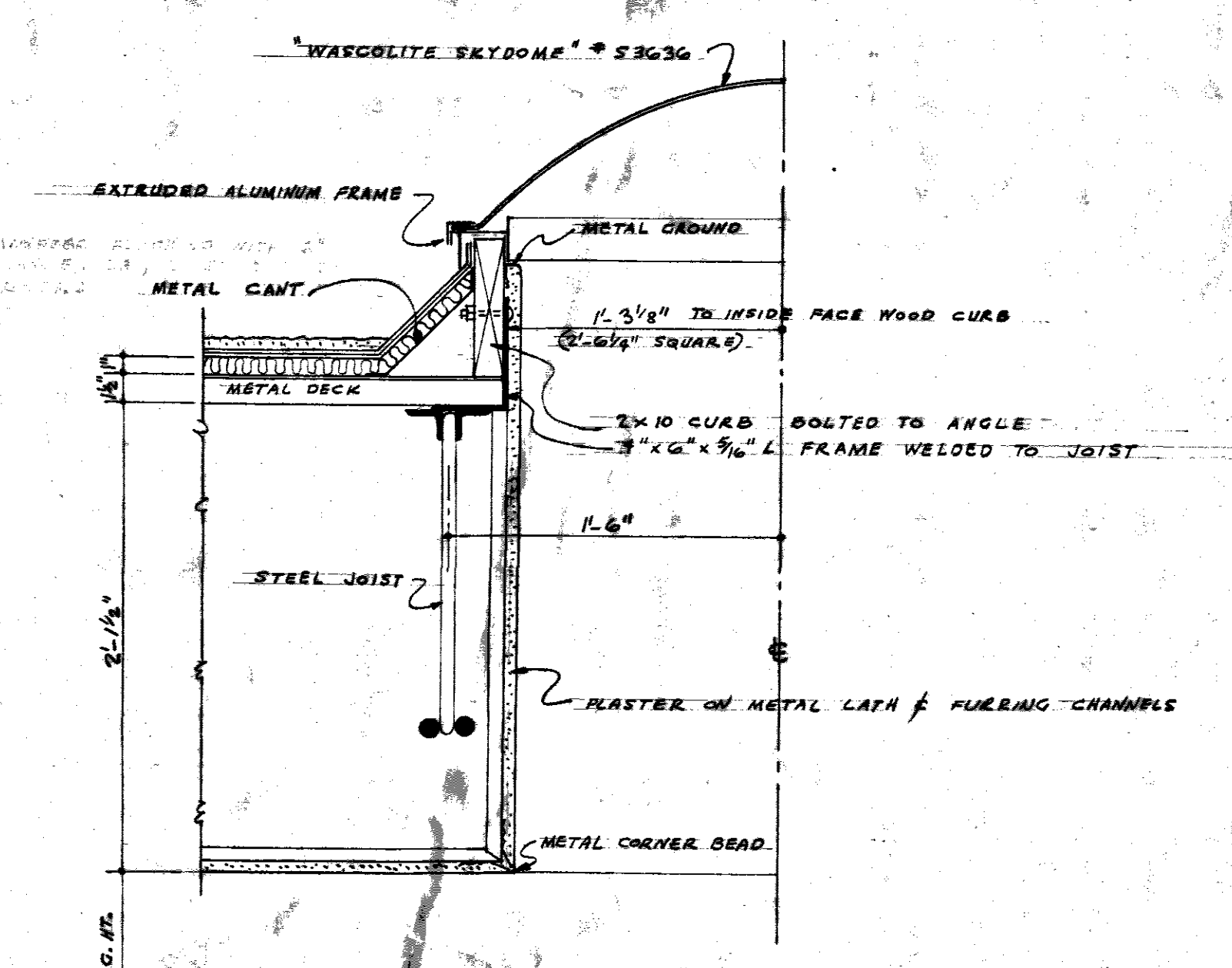
VERTICAL SECTION



WATER SPOUT
1/2" x 1'-0"



ROOF DRAIN
1/2" x 1'-0"



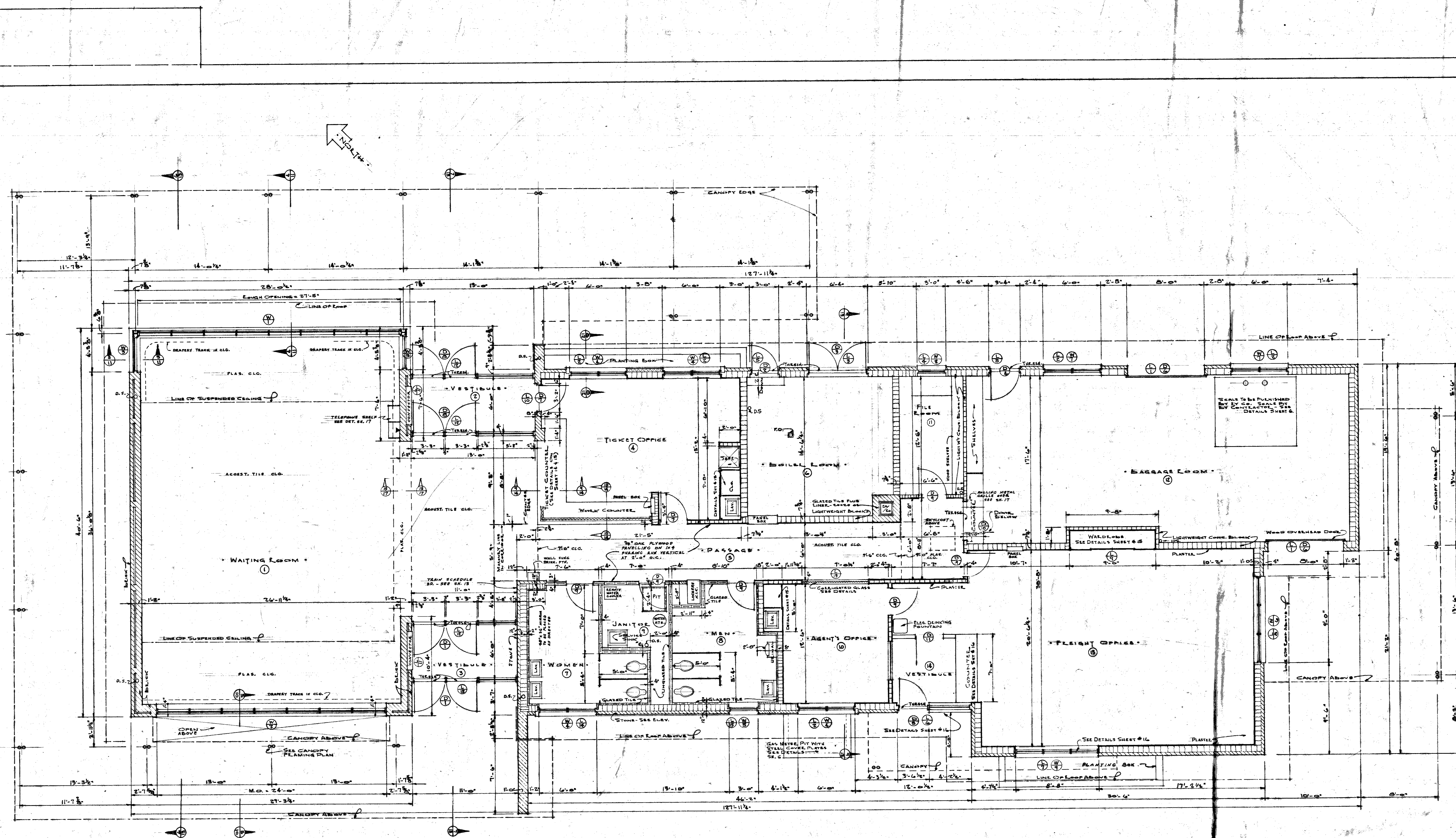
SKYLIGHT
1/2" x 1'-0"

CHIMNEY DETAILS
3/4" x 1'-0"

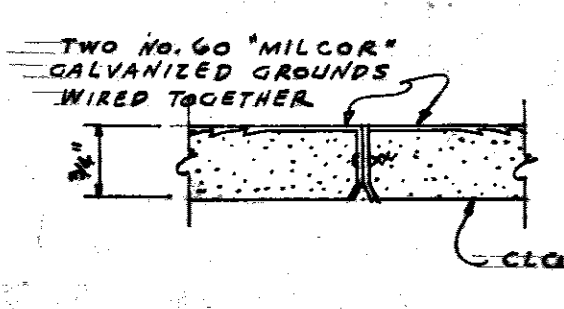
REVISION NO.	DATE	DESCRIPTION	BY
1	1/25/55	REVISED SKYLIGHT	W.C.

DRAWN BY: W.C.
 CHECKED BY: J.A.L.
 APPROVED: *J. J. ...*
 ENGINEER

SHEET 5
 OF 10 SHEETS
 NEW PASSENGER STATION
 LAWRENCE, KANSAS
 JANUARY 1955
 C.E.O.T.
 FILE
 2-188



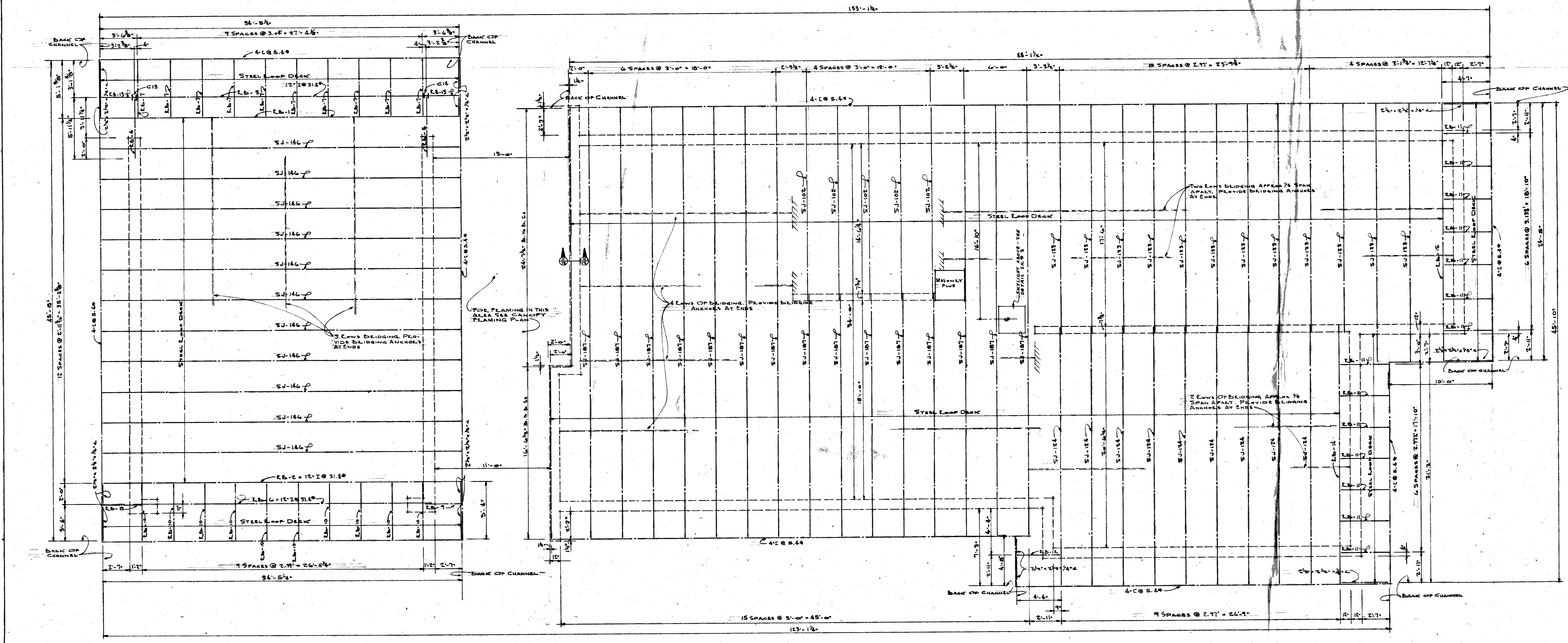
NOTE:
 CEMENT PLASTER, BORRIT ON CANOPIES & ROOF
 OVERHANGS TO BE DIVIDED AT APPROX. 10 TO 14 FT.
 INTERVALS WITH DOUBLE GROUND STRIPS (SEE DETAIL).
 DIVIDING STRIPS SHOULD CENTER ON CANOPY COLUMNS IF
 POSSIBLE. LAYOUT SHALL BE APPROVED BY ARCHITECT OR
 HIS REPRESENTATIVE BEFORE PLASTERING.



FLOOR PLAN

1/8" = 1'-0"

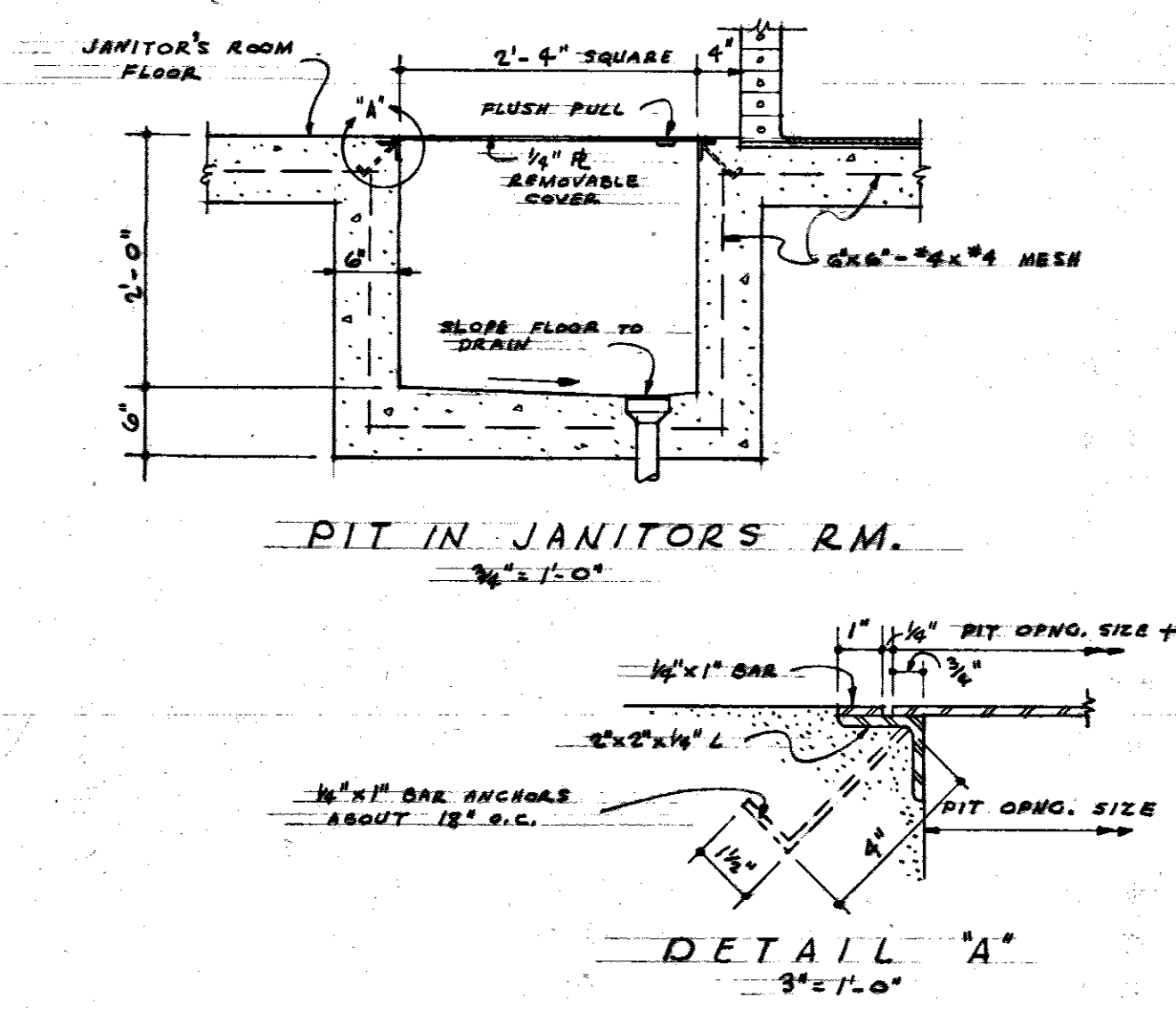
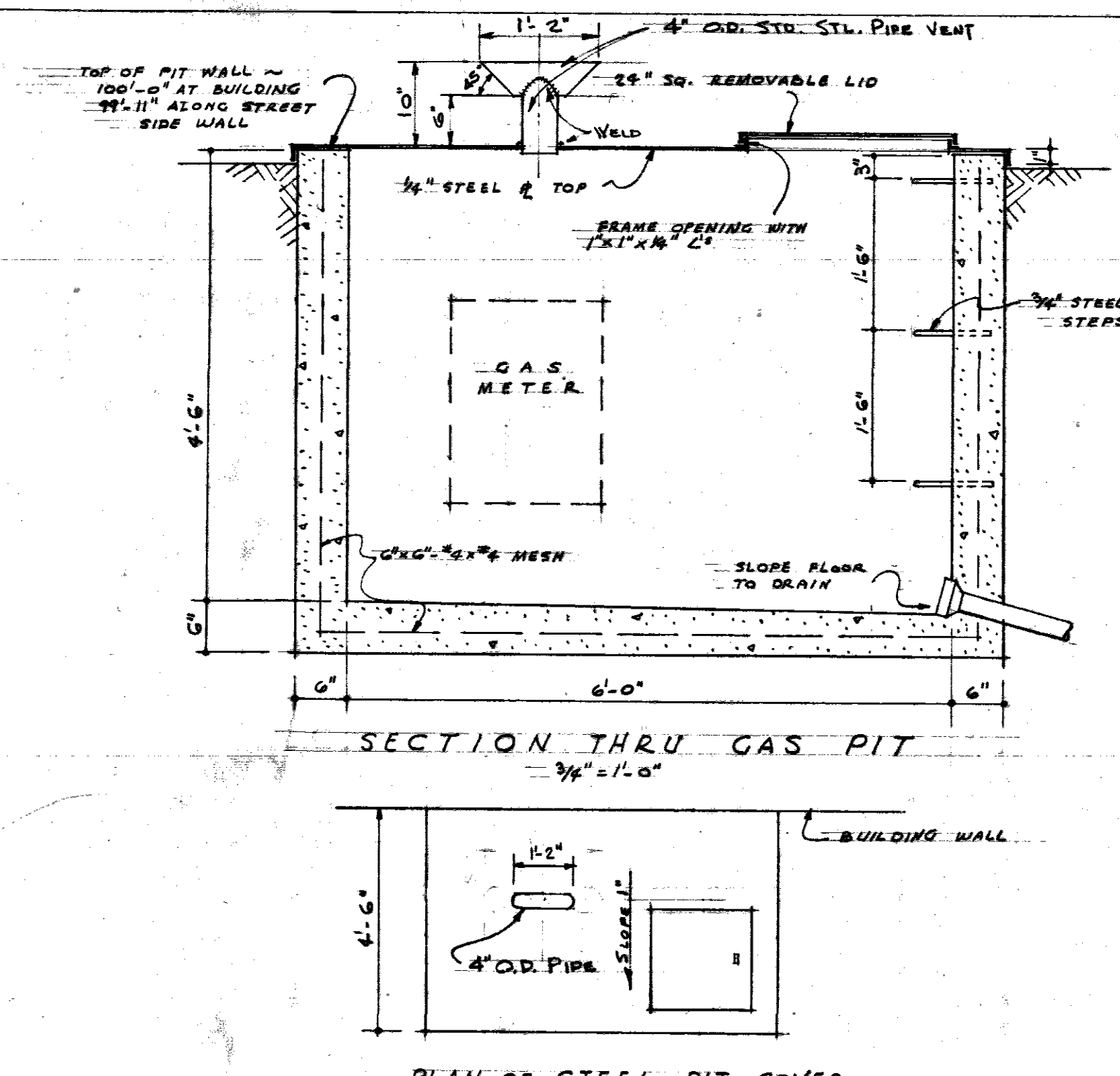
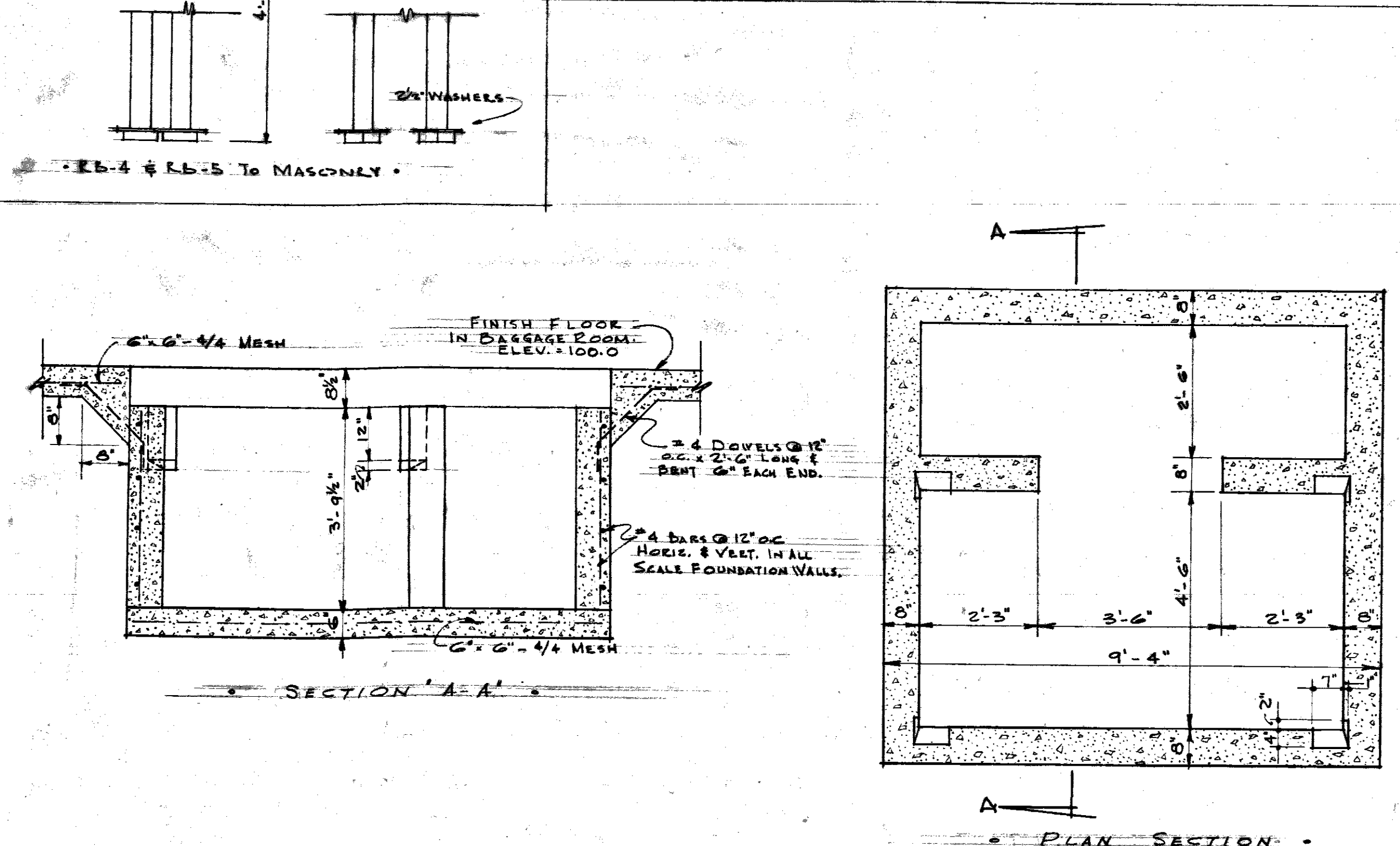
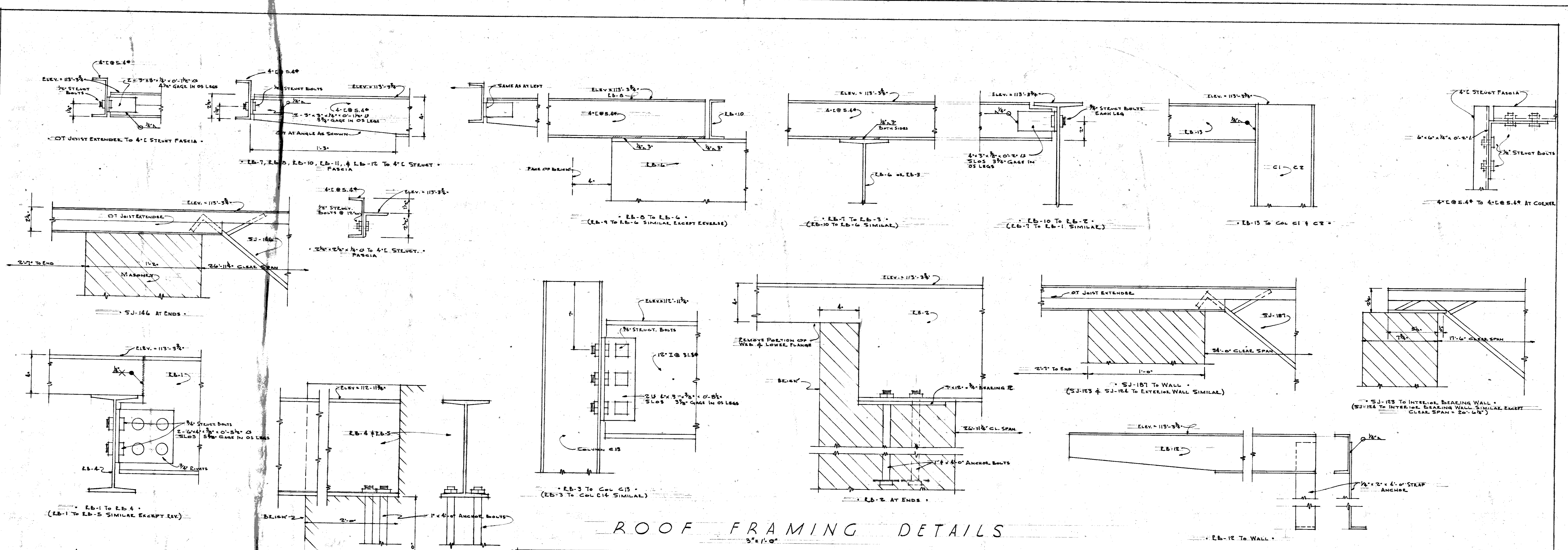
REVISIONS	DATE	DESCRIPTION	BY	THE A. T. & S. P. R. Y. CO.	SHEET 4
1			WRJ		18 SHEETS
2			WRJ		TOPICKA, KANSAS
3			WRJ		JANUARY 1955
FLOOR PLAN					C.E.O.T.
APPROVED:				<i>J. P. Lawrence</i>	FILE
				CHIEF ENGINEER	22183



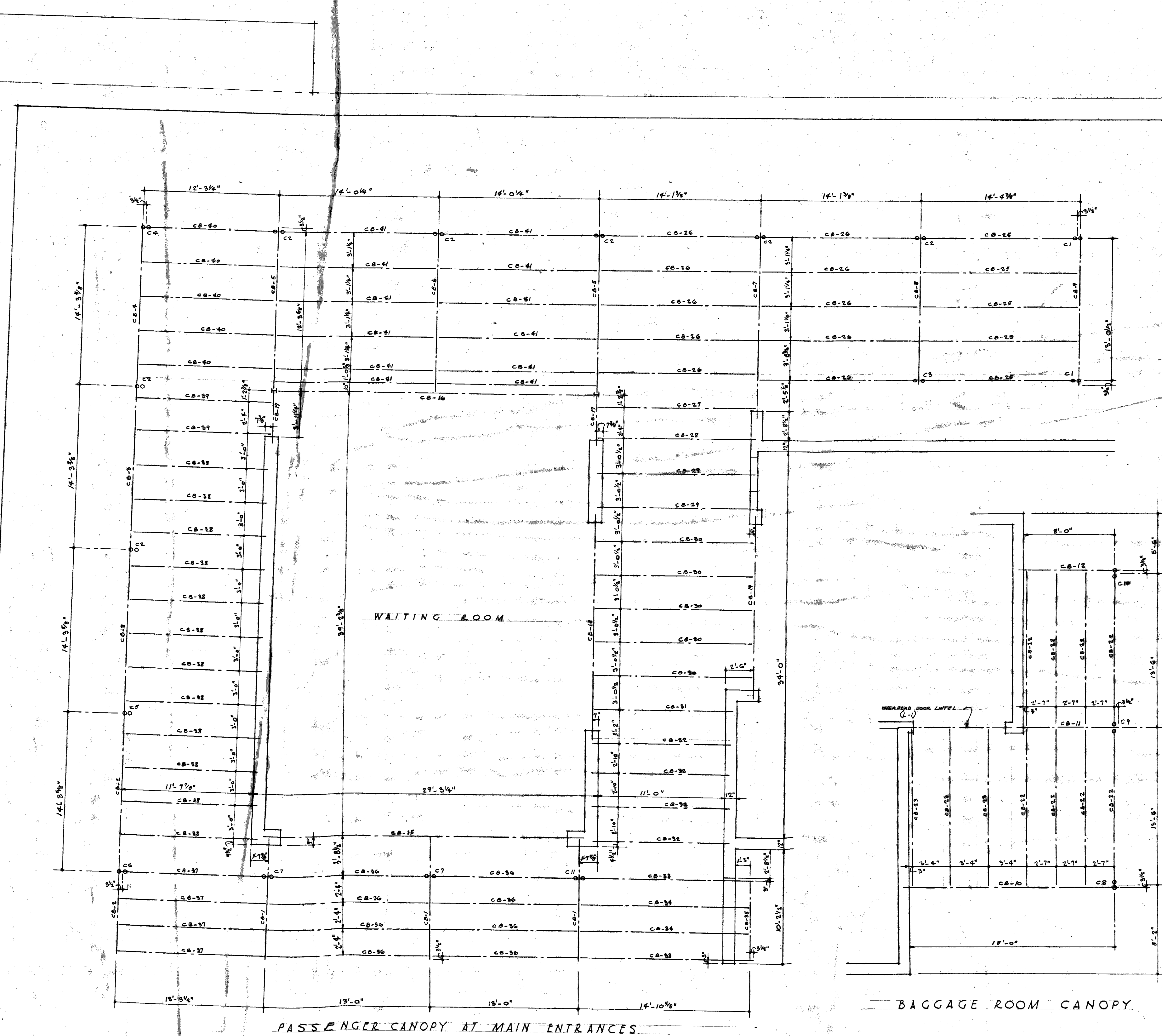
ROOF FRAMING PLAN
1/4" = 1'-0"

REVISIONS	DATE	DESCRIPTION	BY	DATE	DESCRIPTION	BY	SHEET
							5
							18
							JANUARY 1958
							FILE
							C.E.O.T.
							22133

DRAWN BY: THE A. T. & S. F. R. Y. C. O.
 CHECKED BY: LAWRENCE, KANSAS
 APPROVED: *J. O. H. H. H.*
 CHIEF ENGINEER



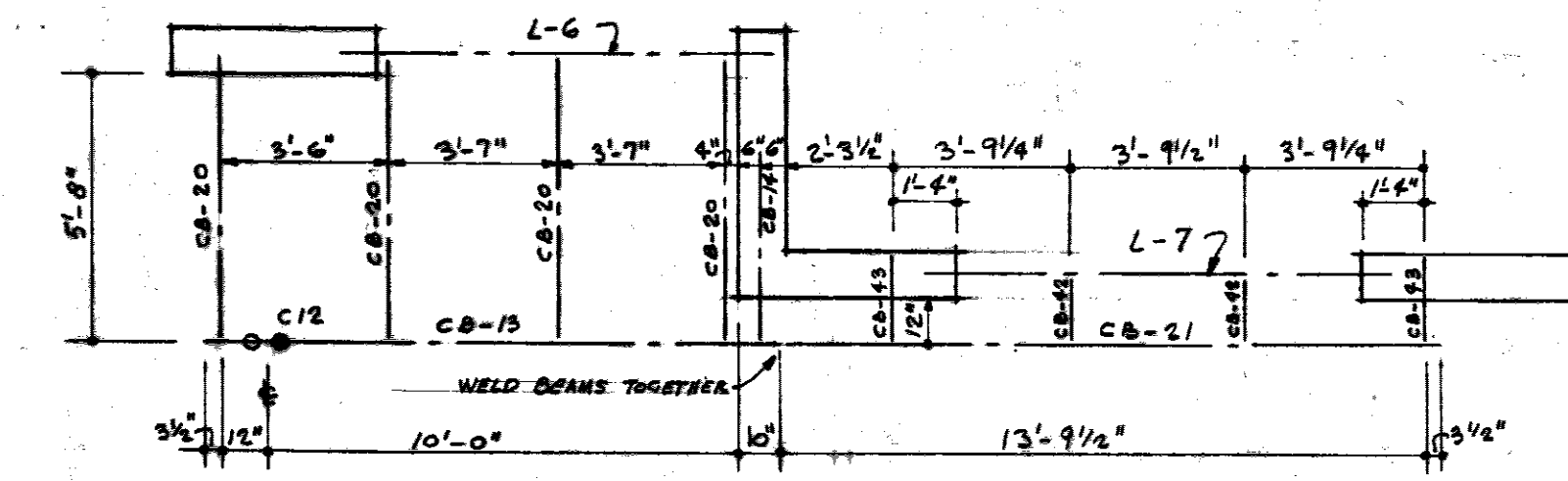
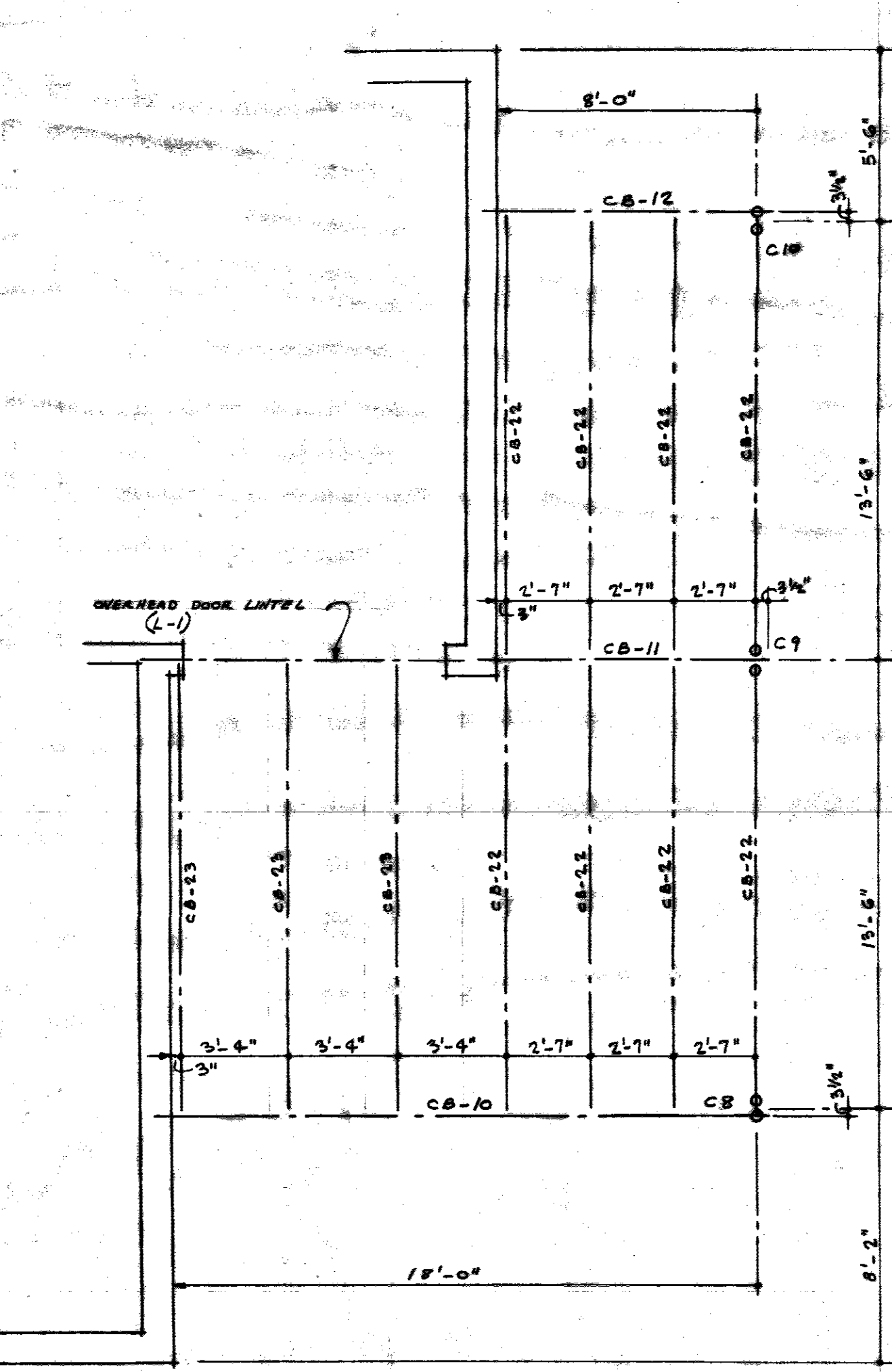
REVISIONS	DATE	DESCRIPTION	BY	THE A. T. S. F. R. Y. C. O.	SHEET 6
				NEW PASSENGER STATION	18 SHEETS
				LAWRENCE,	TOPICA, KANSAS
					JANUARY 1955
				STEEL FRAMING CONNECTIONS (ROOF)	FILE
				APPROVED: <i>J. Williams</i>	C. E. O. T.
				STEEL ENGINEER	22103



STEEL COLUMN SCHEDULE									
MARK	NO.	SECTION	APPROX. L.G.T.	BL. TOP	BL. TOP	BASE	REMARKS		
C1	2	Two-12" x 12" x 1/2"	10'-0"	9'-7 1/2"	9'-7 1/2"	11'-11 1/2"	Do		
C2	7	Do	10'-0"	9'-7 1/2"	9'-7 1/2"	11'-11 1/2"	Do		
C3	1	Do	10'-0"	9'-7 1/2"	9'-7 1/2"	11'-11 1/2"	Do		
C4	1	Do	10'-0"	9'-7 1/2"	9'-7 1/2"	11'-11 1/2"	Do		
C5	1	Do	10'-0"	9'-7 1/2"	9'-7 1/2"	11'-11 1/2"	Do		
C6	1	Do	10'-0"	9'-7 1/2"	9'-7 1/2"	11'-11 1/2"	Do		
C7	2	Do	10'-0"	9'-7 1/2"	9'-7 1/2"	11'-11 1/2"	Do		
C8	1	Do	10'-0"	9'-7 1/2"	9'-7 1/2"	11'-11 1/2"	Do		
C9	1	Do	10'-0"	9'-7 1/2"	9'-7 1/2"	11'-11 1/2"	Do		
C10	1	Do	10'-0"	9'-7 1/2"	9'-7 1/2"	11'-11 1/2"	Do		
C11	1	Do	10'-0"	9'-7 1/2"	9'-7 1/2"	11'-11 1/2"	Do		
C12	1	Do	10'-0"	9'-7 1/2"	9'-7 1/2"	11'-11 1/2"	Do		
C13	1	Do	10'-0"	9'-7 1/2"	9'-7 1/2"	11'-11 1/2"	Do		
C14	1	Do	10'-0"	9'-7 1/2"	9'-7 1/2"	11'-11 1/2"	Do		
C15	1	Do	10'-0"	9'-7 1/2"	9'-7 1/2"	11'-11 1/2"	Do		

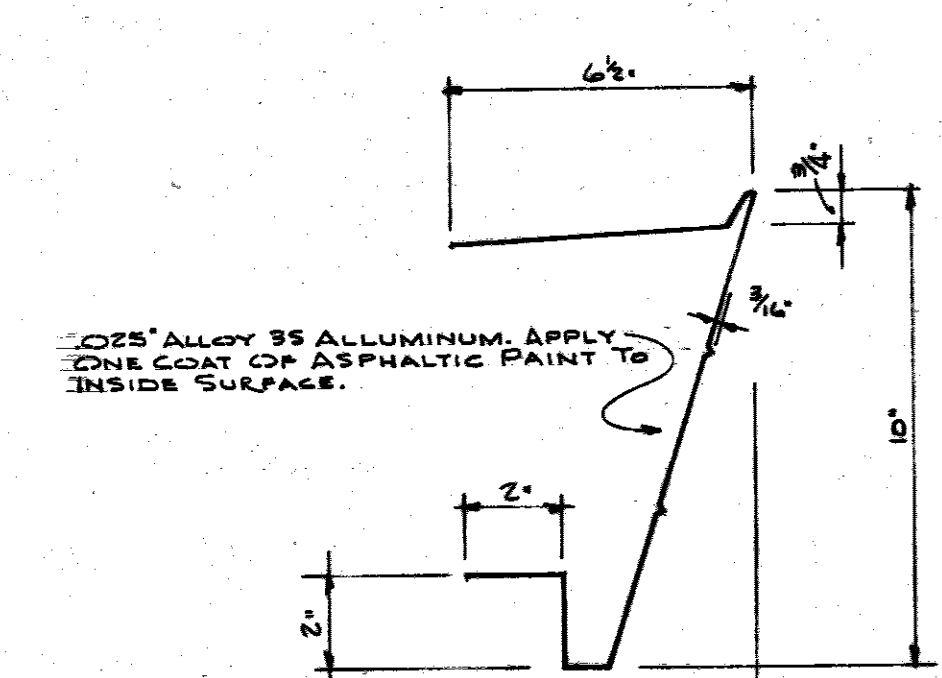
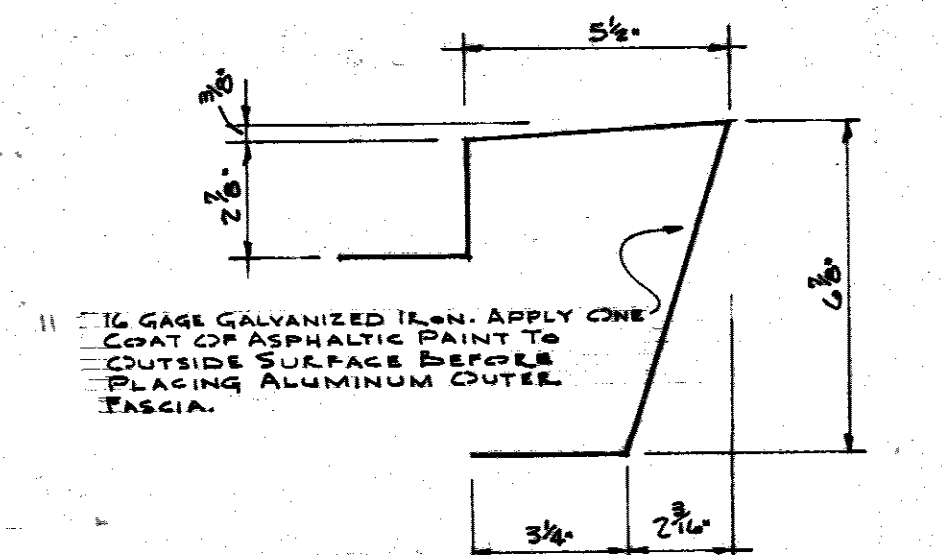
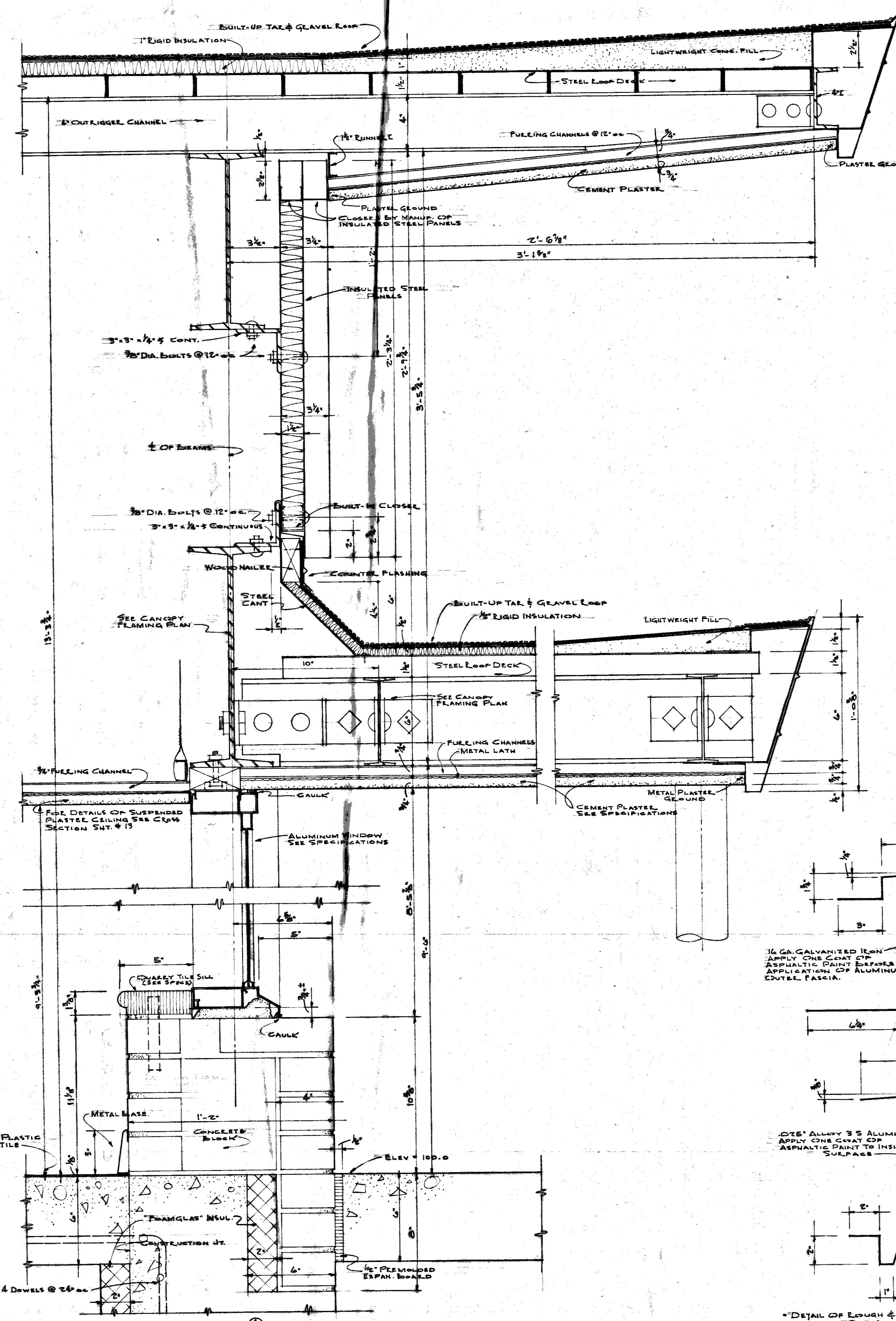
STEEL BEAM SCHEDULE									
MARK	NO.	SECTION	APPROX. L.G.T.	BL. TOP	BL. TOP	BASE	REMARKS		
CB-1	1	10 I 25.4	5'-5 1/2"	5'-5 1/2"	5'-5 1/2"	11'-11 1/2"	Do		
CB-2	1	Do	5'-5 1/2"	5'-5 1/2"	5'-5 1/2"	11'-11 1/2"	Do		
CB-3	1	Do	5'-5 1/2"	5'-5 1/2"	5'-5 1/2"	11'-11 1/2"	Do		
CB-4	1	Do	5'-5 1/2"	5'-5 1/2"	5'-5 1/2"	11'-11 1/2"	Do		
CB-5	1	Do	5'-5 1/2"	5'-5 1/2"	5'-5 1/2"	11'-11 1/2"	Do		
CB-6	1	Do	5'-5 1/2"	5'-5 1/2"	5'-5 1/2"	11'-11 1/2"	Do		
CB-7	10	4 L 12.5	15'-5 1/2"	15'-5 1/2"	15'-5 1/2"	11'-11 1/2"	Do		
CB-8	1	Do	15'-5 1/2"	15'-5 1/2"	15'-5 1/2"	11'-11 1/2"	Do		
CB-9	1	Do	15'-5 1/2"	15'-5 1/2"	15'-5 1/2"	11'-11 1/2"	Do		
CB-10	10	Do	15'-5 1/2"	15'-5 1/2"	15'-5 1/2"	11'-11 1/2"	Do		
CB-11	10	Do	15'-5 1/2"	15'-5 1/2"	15'-5 1/2"	11'-11 1/2"	Do		
CB-12	1	Do	15'-5 1/2"	15'-5 1/2"	15'-5 1/2"	11'-11 1/2"	Do		
CB-13	2	Do	15'-5 1/2"	15'-5 1/2"	15'-5 1/2"	11'-11 1/2"	Do		
CB-14	1	Do	15'-5 1/2"	15'-5 1/2"	15'-5 1/2"	11'-11 1/2"	Do		
CB-15	1	Do	15'-5 1/2"	15'-5 1/2"	15'-5 1/2"	11'-11 1/2"	Do		

LINTEL SCHEDULE									
LINTEL MARK	NO.	SECTION	LINTEL TYPE	REMARKS	TYPES				
L-1	2	Do 11.5	12'-0"	SEE DETAIL FOR CONNECTION TO WALLS	TYPE 'A'				
L-2	5	3B 3" x 4" x 1/2"	12'-0"	SEE DETAIL FOR CONNECTION TO WALLS	TYPE 'A'				
L-3	1	3D 3" x 4" x 1/2"	12'-0"	SEE DETAIL FOR CONNECTION TO WALLS	TYPE 'A'				
L-4	7	3D 3" x 4" x 1/2"	12'-0"	SEE DETAIL FOR CONNECTION TO WALLS	TYPE 'A'				
L-5	2	3D 3" x 4" x 1/2"	12'-0"	SEE DETAIL FOR CONNECTION TO WALLS	TYPE 'A'				
L-6	1	Do 11.5	12'-0"	DETAILS SHOWN	TYPE 'A'				
L-7	1	Do 11.5	12'-0"	DETAILS SHOWN	TYPE 'A'				
L-8	1	3B 3" x 4" x 1/2"	12'-0"	SEE DETAIL FOR CONNECTION TO WALLS	TYPE 'A'				
L-9	1	3B 3" x 4" x 1/2"	12'-0"	SEE DETAIL FOR CONNECTION TO WALLS	TYPE 'A'				
L-10	1	Do 11.5	12'-0"	DETAILS SHOWN	TYPE 'A'				
L-11	2	3 1/2" x 3 1/2" x 1/2"	12'-0"	SEE DETAIL ON MECHANICAL ENTRY	TYPE 'A'				
L-12	4	SEE ENTL. DOOR DETAILS	SUMMIT		TYPE 'D'				
L-13	1	Do 11.5	12'-0"	PRELANT	TYPE 'A'				
L-14	1	3D 3" x 4" x 1/2"	12'-0"	SEE DETAIL FOR CONNECTION TO WALLS	TYPE 'A'				
L-15	1	3D 3" x 4" x 1/2"	12'-0"	SEE DETAIL FOR CONNECTION TO WALLS	TYPE 'A'				

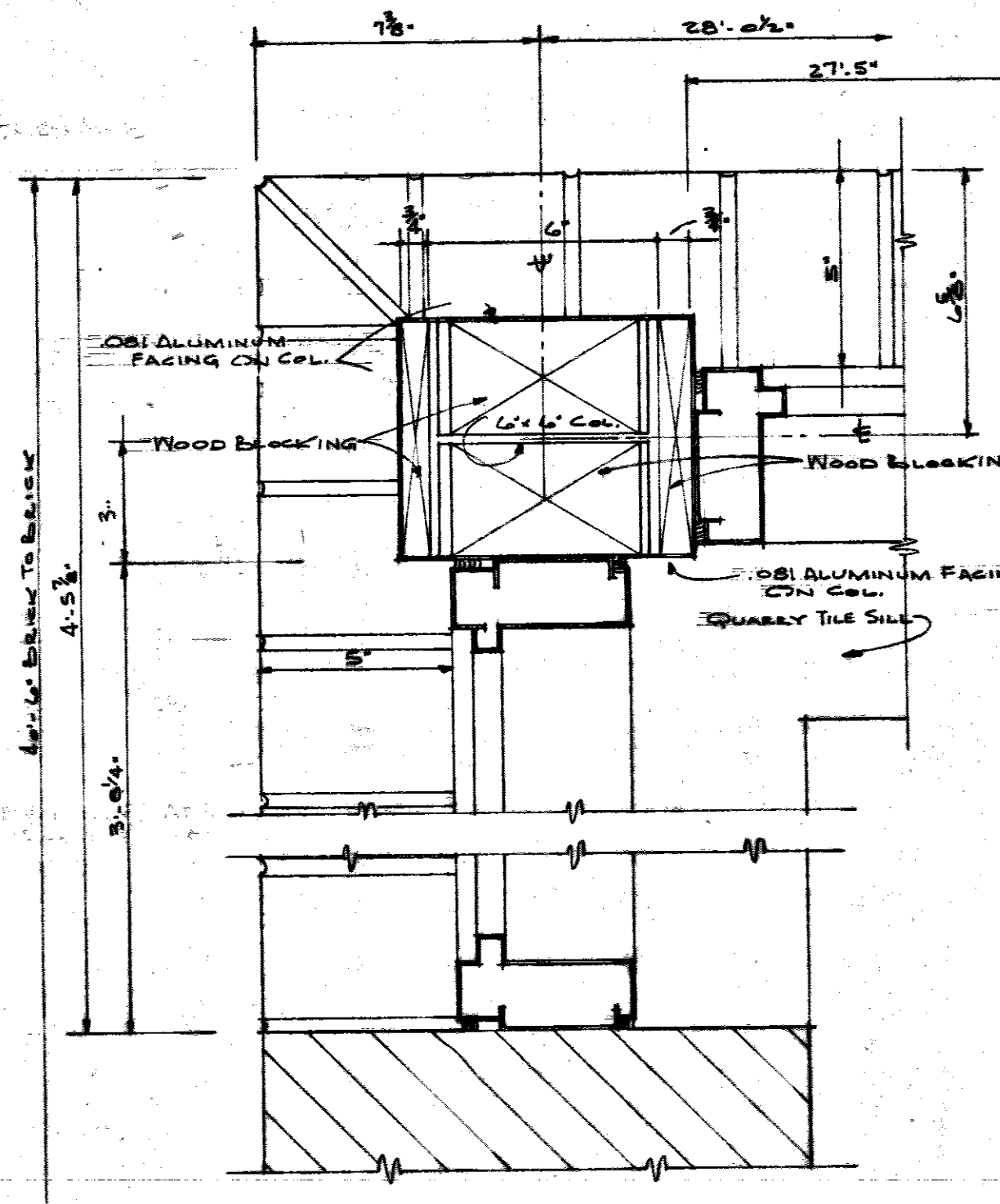
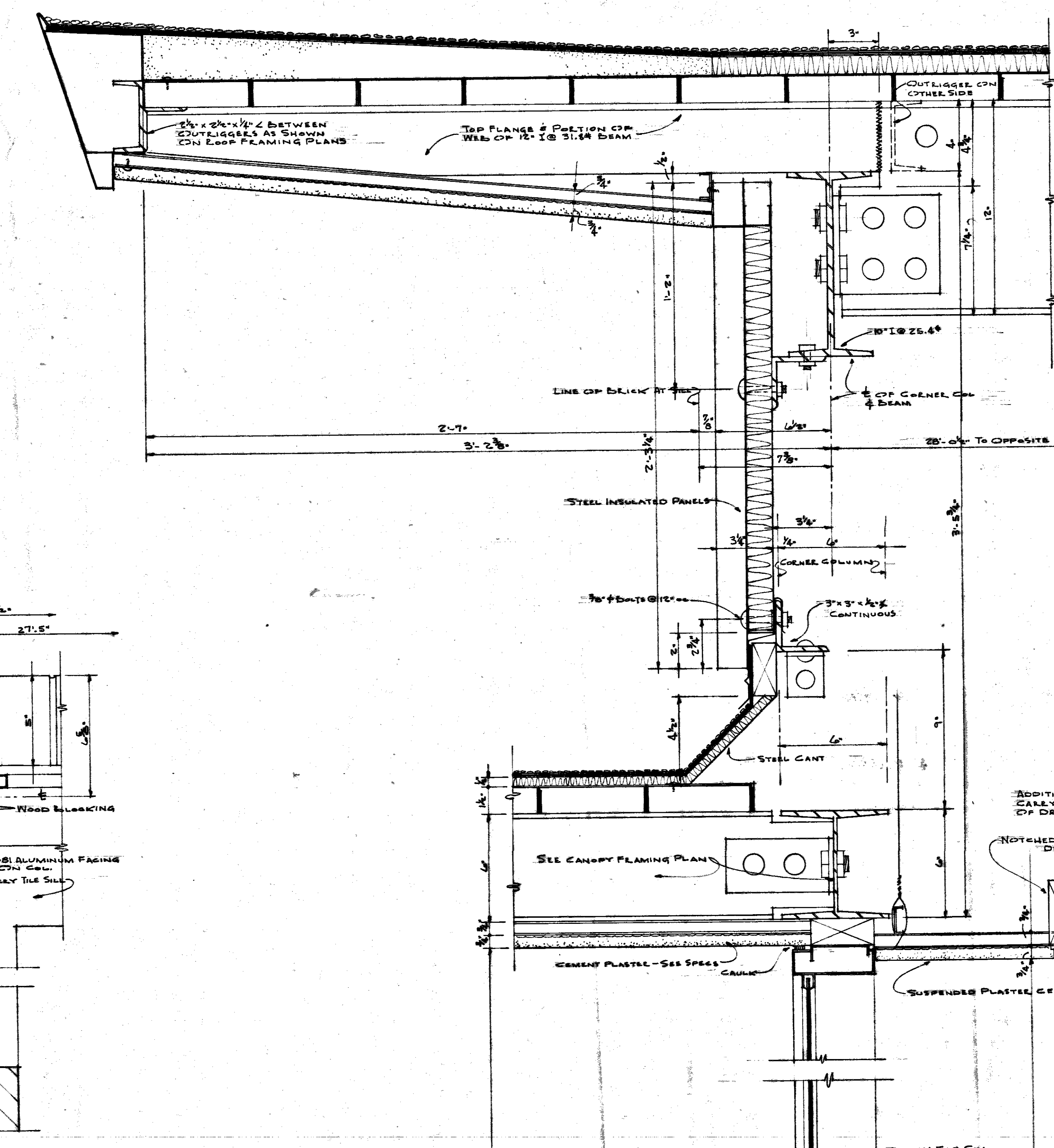


PASSENGER CANOPY AT MAIN ENTRANCES
CANOPY FRAMING PLANS
1/4" = 1'-0"

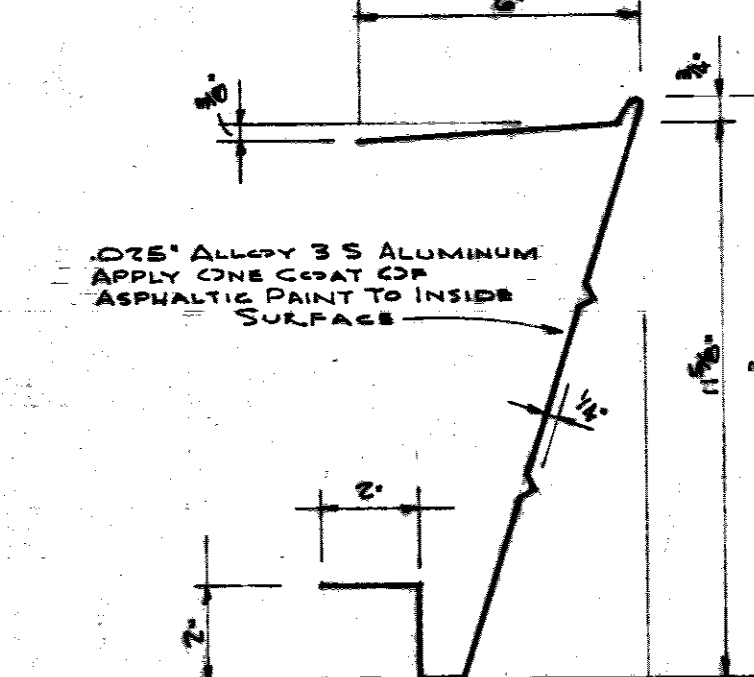
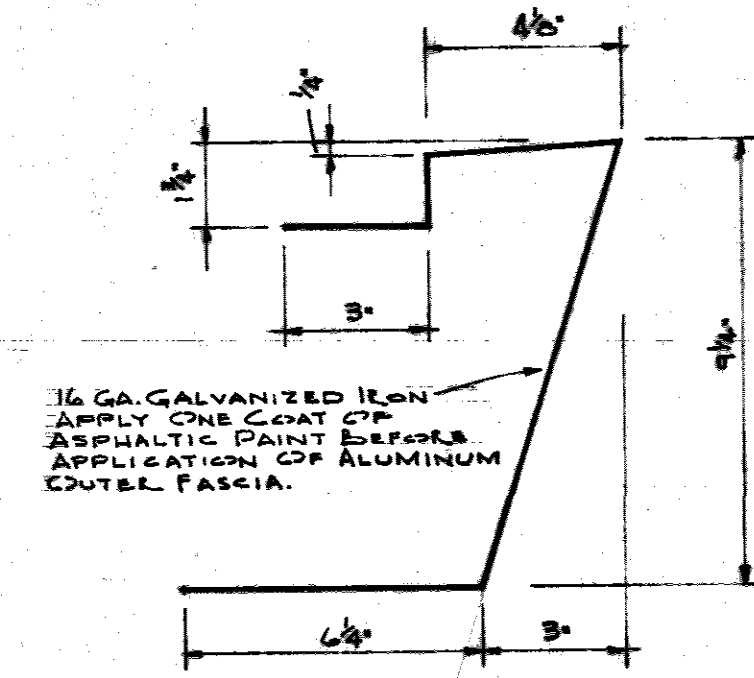
REVISIONS	DATE	DESCRIPTION	BY	THE A. T. & S. F. RY. CO.	SHEET 7
TRACED BY					NO. SHEETS 18
CHECKED BY					TOTAL, KANSAS
					JANUARY 1955
					C. E. O. T.
					FILE
					72183



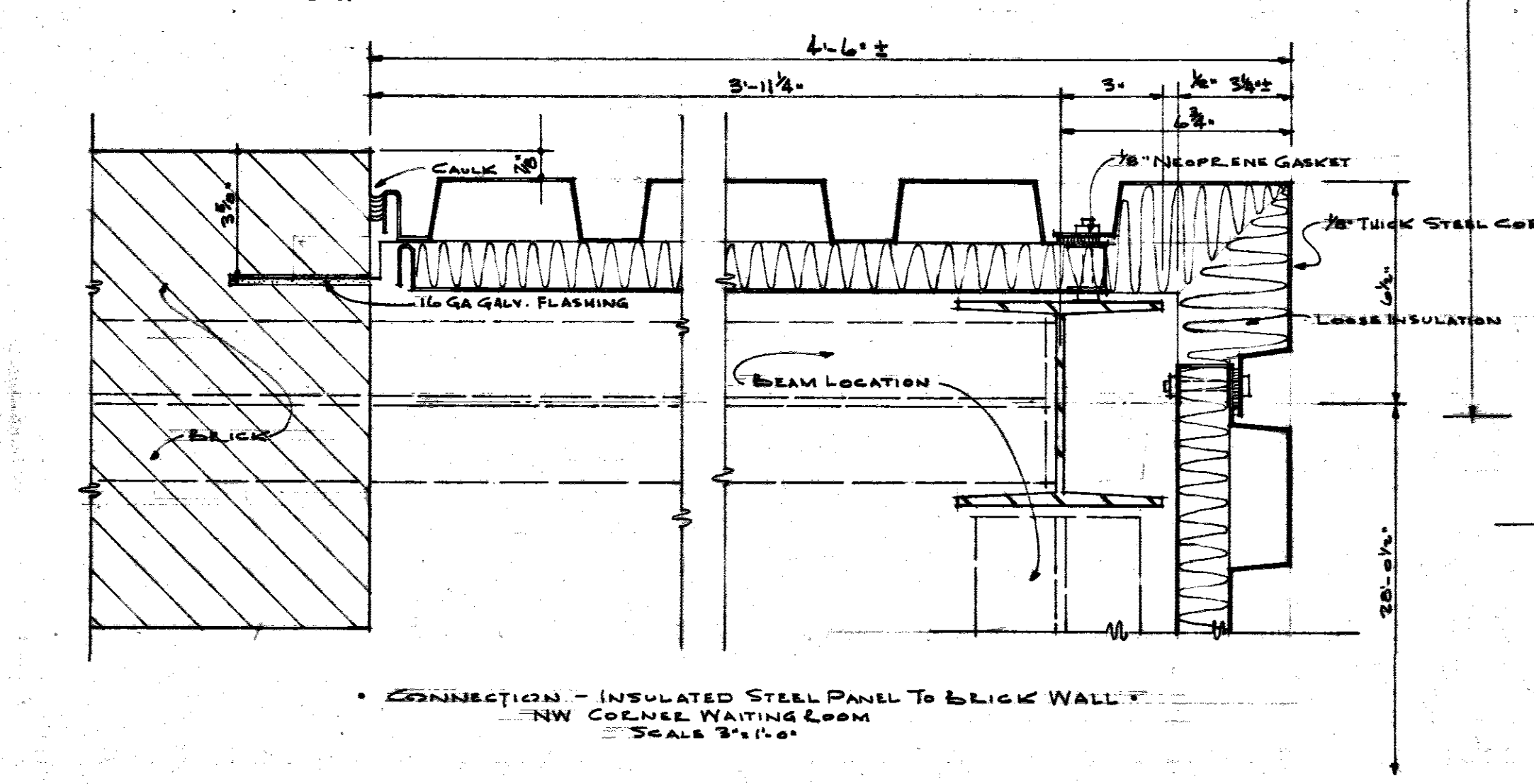
DETAIL OF EAVE & FINISH METAL FASCIA - FOR ALL EAVE OVERHANGS - SCALE 3/4\"/>



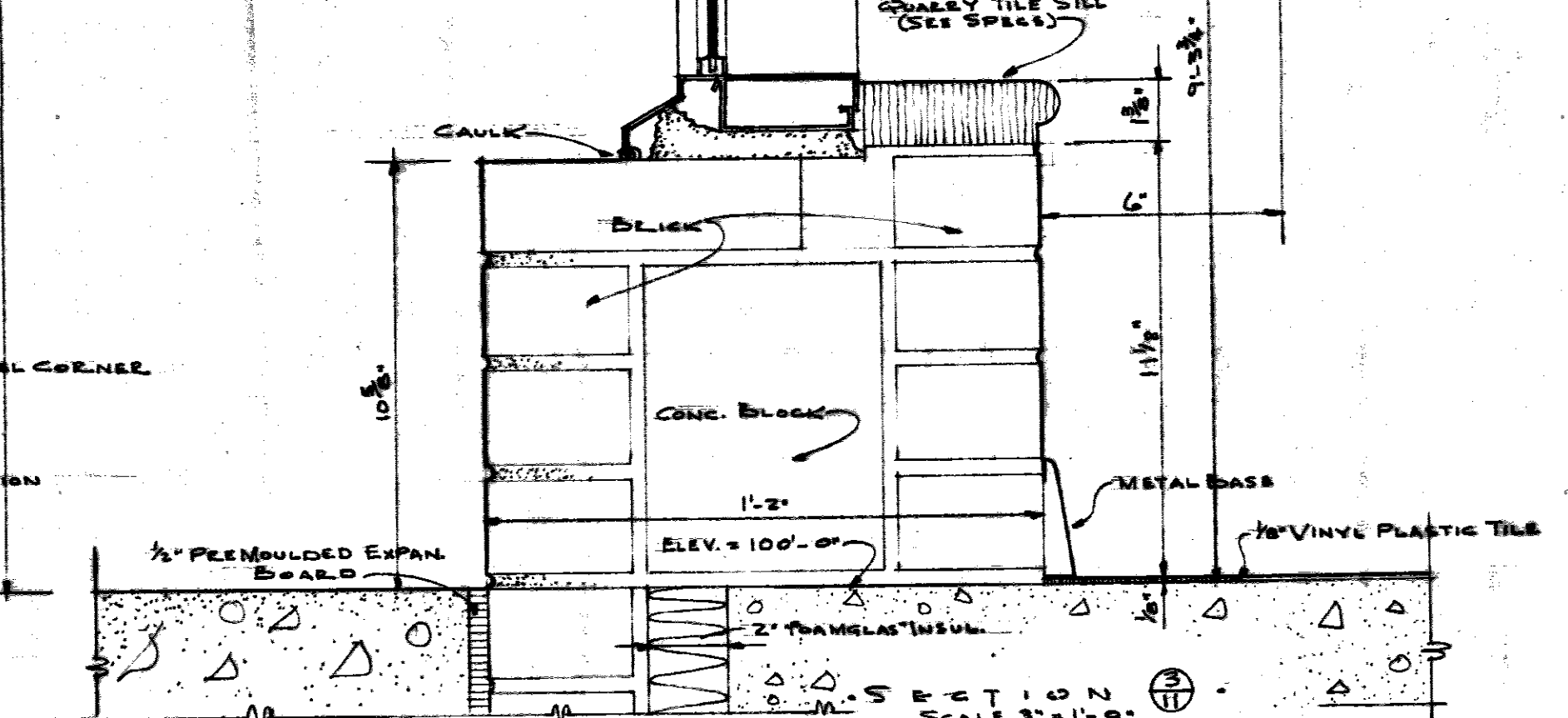
COUPLER MULLION - NW CORNER - WAITING EAVE - ONE CORNER SIMILAR BUT OPPOSITE HAND - SCALE 3/4\"/>



DETAIL OF EAVE & FINISH METAL FASCIA - FOR ALL CANOPIES - SCALE 3/4\"/>



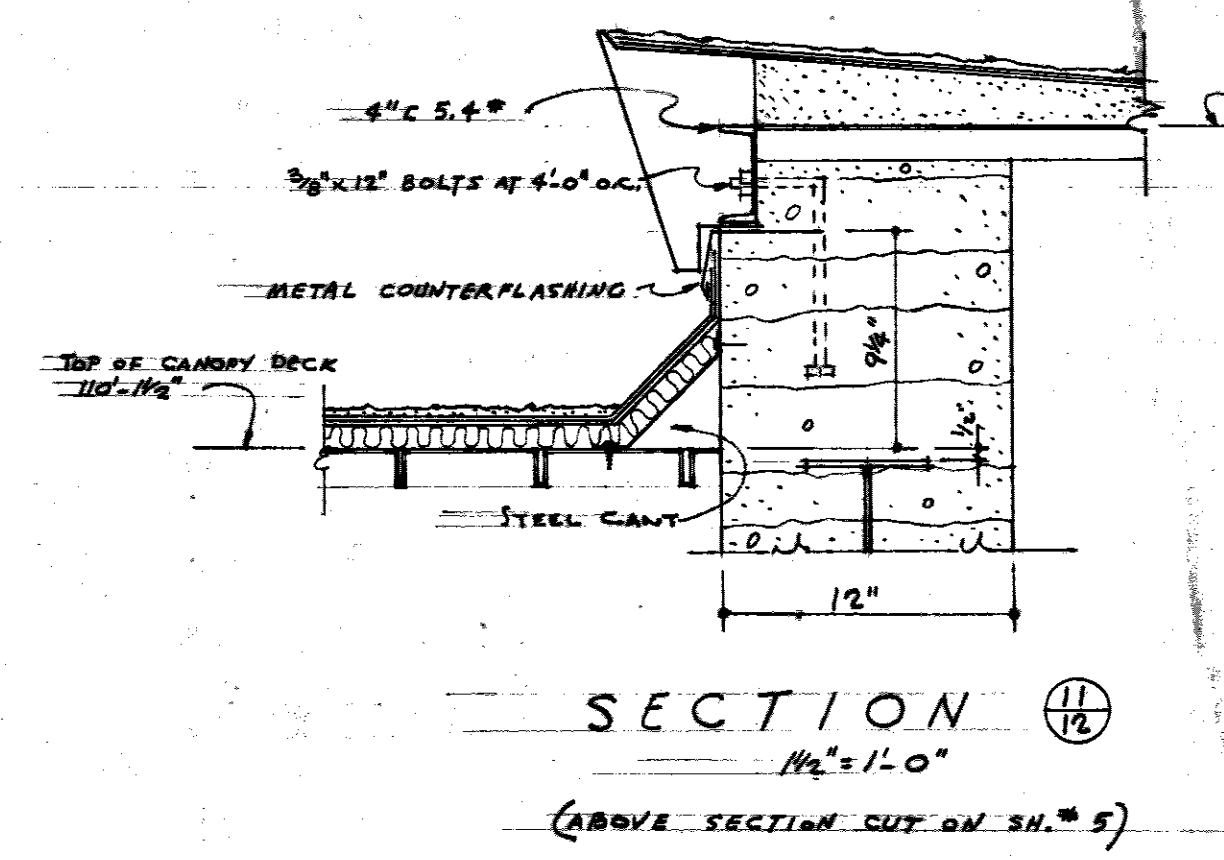
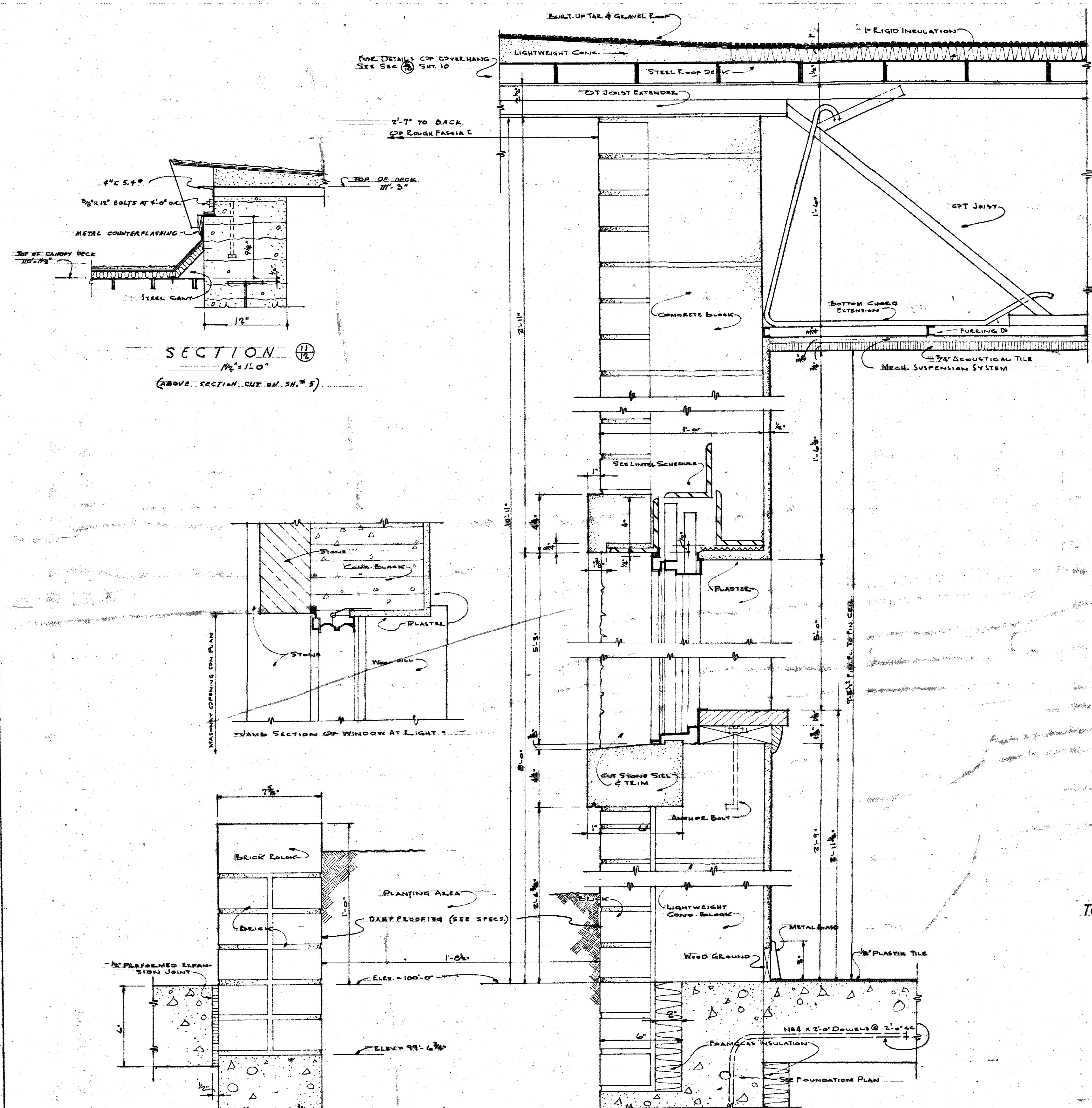
CONNECTION - INSULATED STEEL PANEL TO BRICK WALL - NW CORNER, WAITING EAVE - SCALE 3/4\"/>



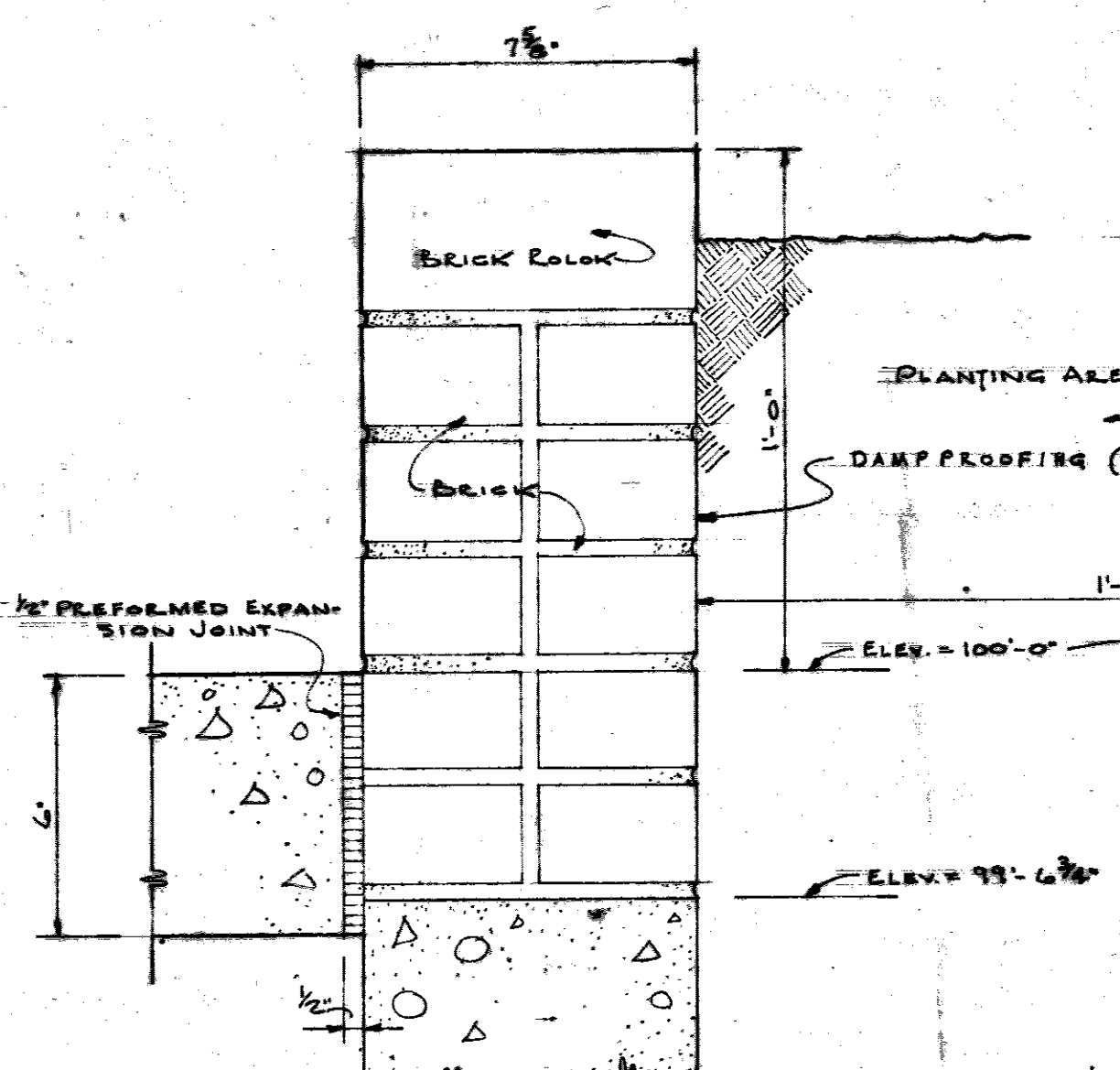
CONNECTION - INSULATED STEEL PANEL TO BRICK WALL - NW CORNER, WAITING EAVE - SCALE 3/4\"/>

REVISIONS	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPROVED

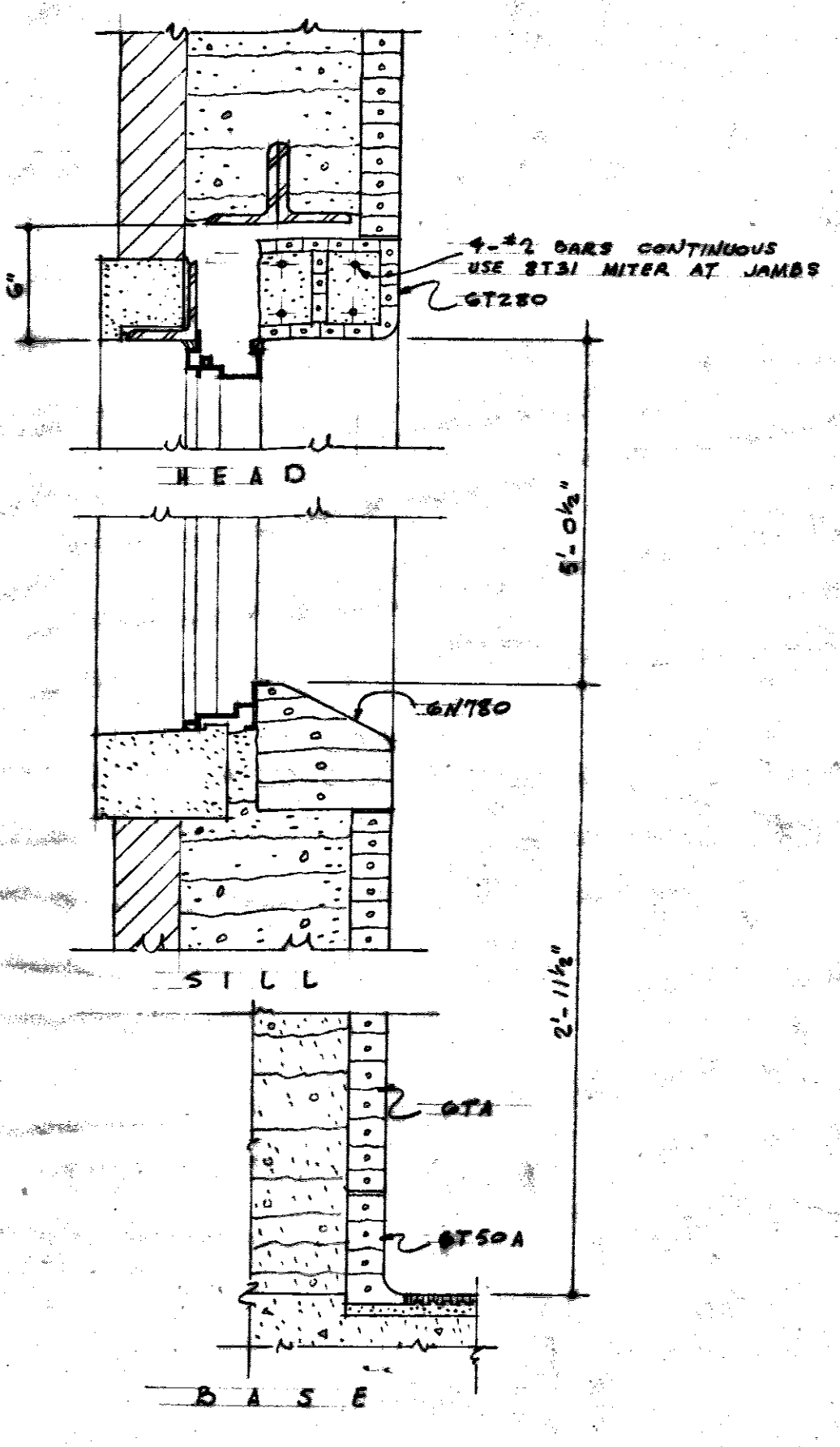
THE A. T. & S. F. R. Y. CO. SHEET 11
 NEW PASSENGER STATION - TOPEKA, KANSAS
 LAWRENCE, KANSAS - JANUARY 1955
 WALL SECTIONS & DETAILS
 APPROVED: *J. H. ...*
 C.E.O.T. FILE 22103



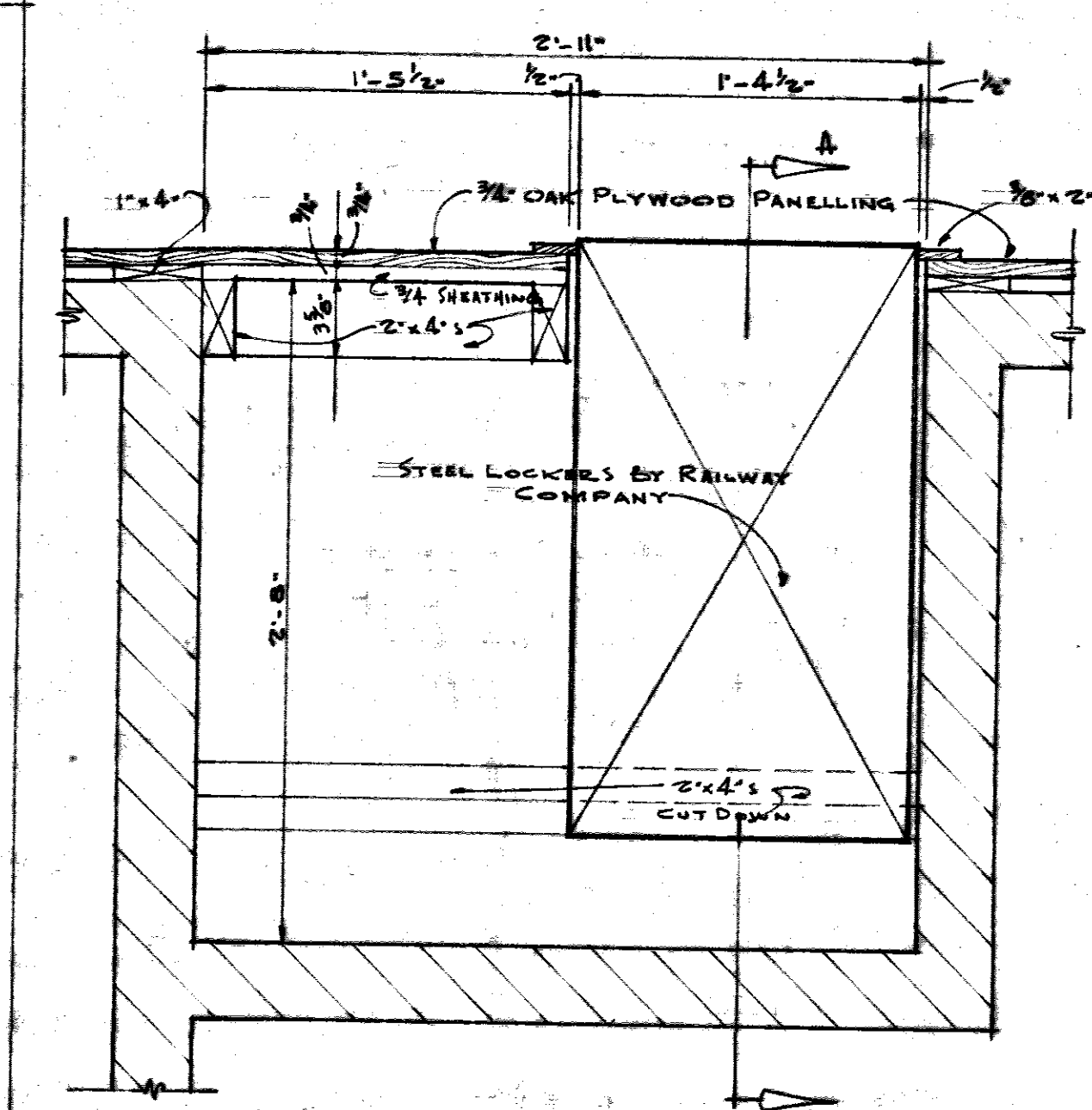
SECTION 14
1/4\"/>



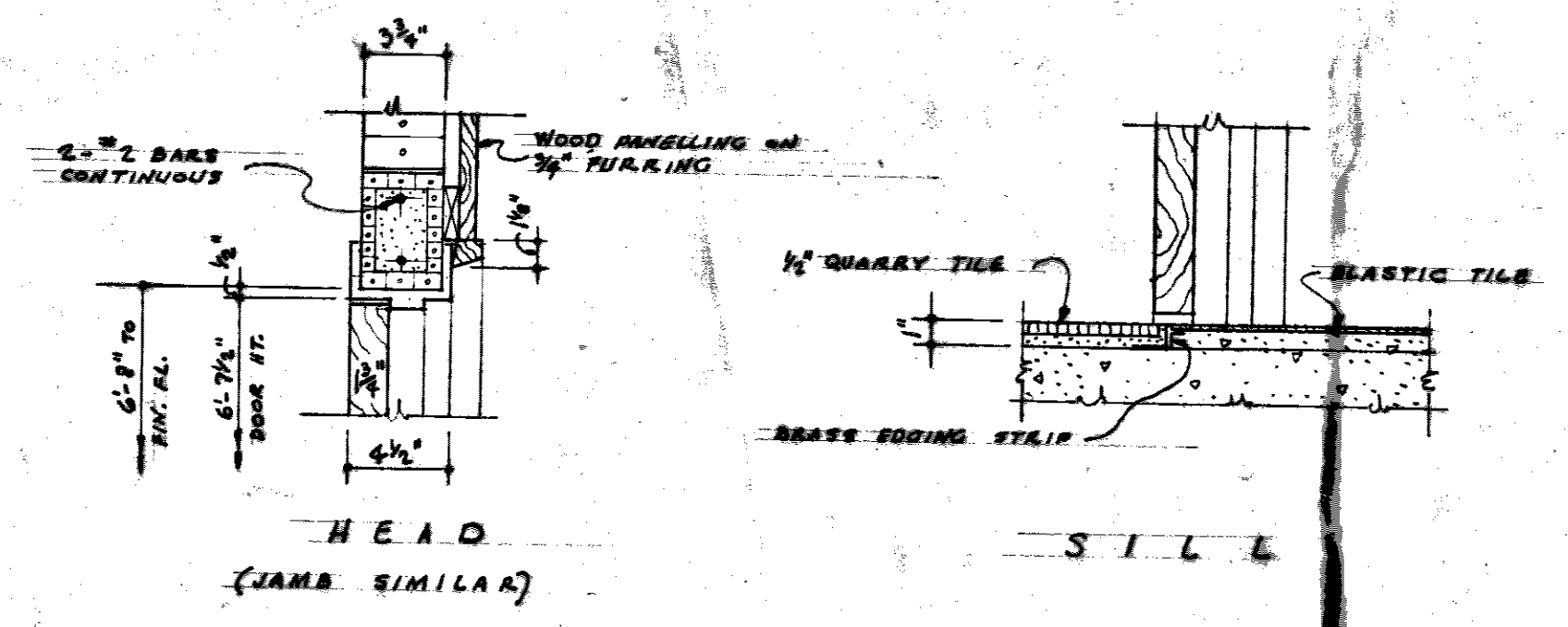
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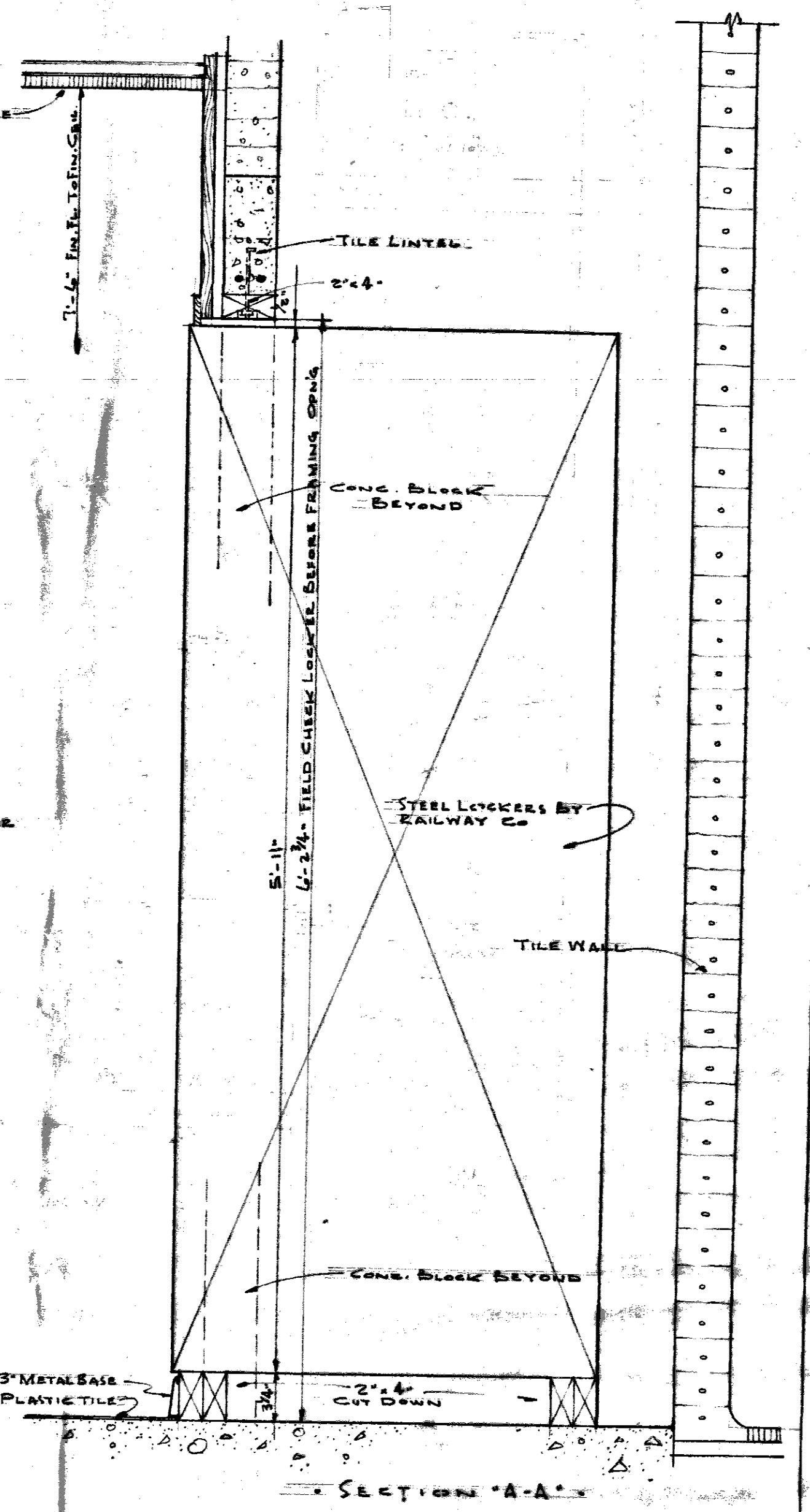
TOILET ROOM WINDOW



TOILET ROOM DOOR



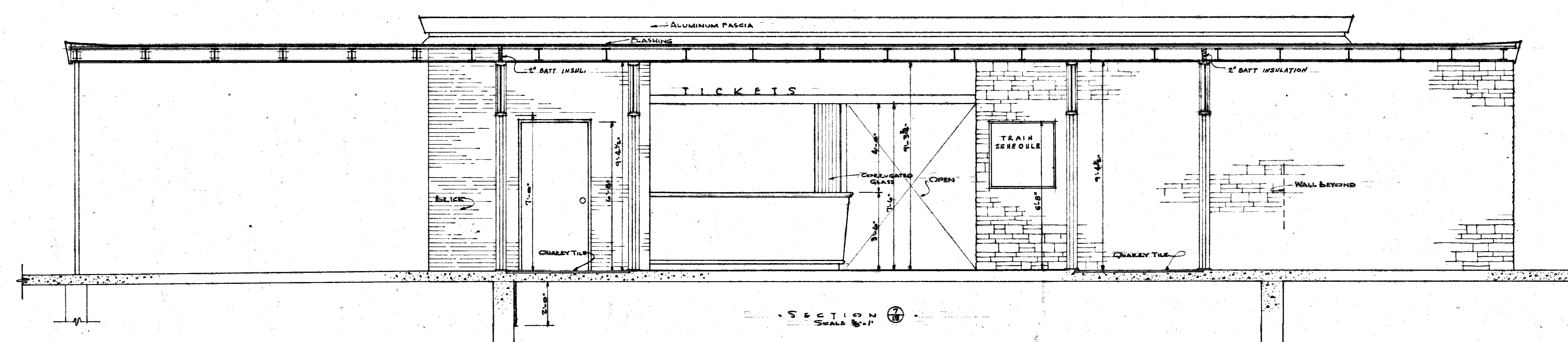
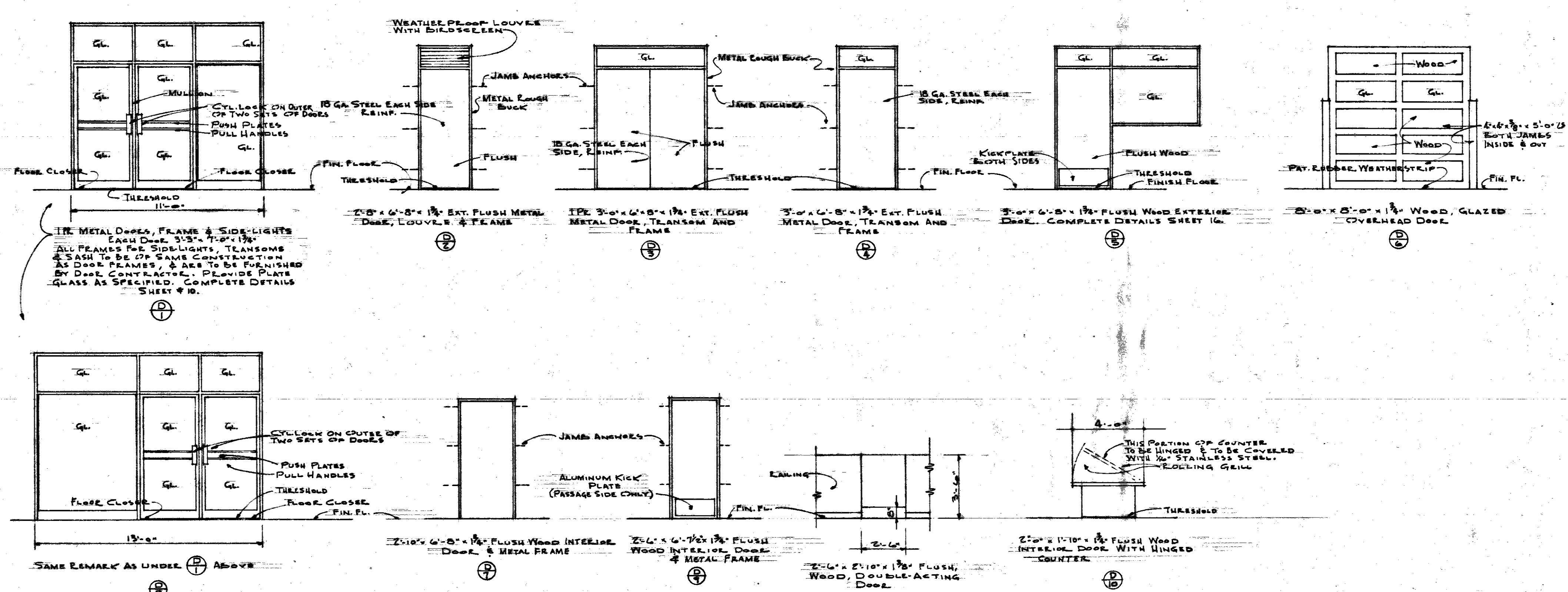
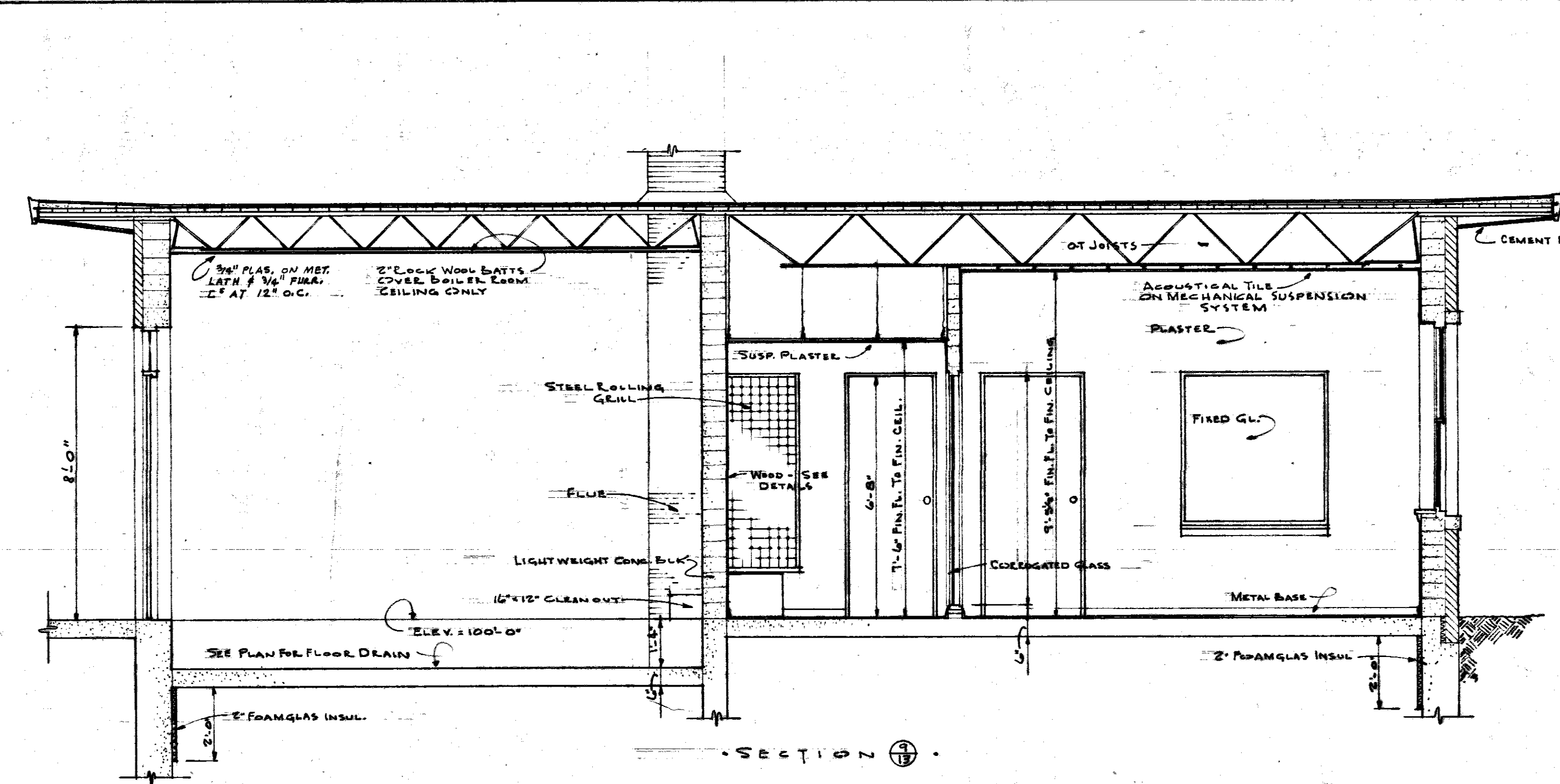
GLAZED TILE DETAILS
1/4\"/>



SECTION A-A

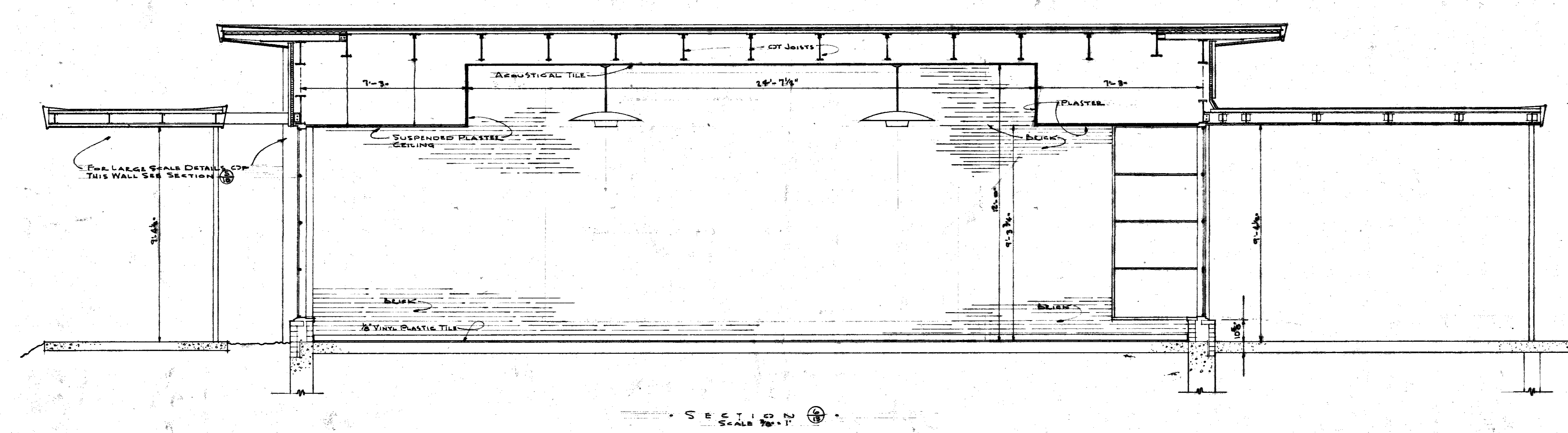
CORRIDOR CHECK LOCKER ENCLOSURE
SCALE 1/2\"/>

REVISIONS	DATE	DESCRIPTION	BY	THE A. T. & S. FRY CO.	SHEET 12
				NEW PASSENGER STATION - KANSAS	NO. SHEETS 18
				LAWRENCE	TOPEKA, KANSAS
					JANUARY 1932
				WALL SECTIONS, TELEPHONE COUNTER DETAILS GLAZED TILE DETAILS	C.E.O.T.
				APPROVED	FILE
				J. H. Kinnis CHIEF ENGINEER	ZZ103



WINDOW SCHEDULE

MARK	MATERIAL	WIDTH	HEIGHT	TYPE	NO. EACH	REMARKS
1	ALUMINUM	24'-0"	8'-5 1/2"	BASE WINDOW	1	EQUAL TO GEYSERBAC WINDOW
2	D.	24'-0"	8'-5 1/2"	D.	1	D.
3	D.	3'-8 1/2"	8'-5 1/2"	D.	2	D.
4	D.	4'-0"	5'-3"	DOUBLE HUNG	4	2 UNITS WITH 1/2\"/>



FINISH SCHEDULE

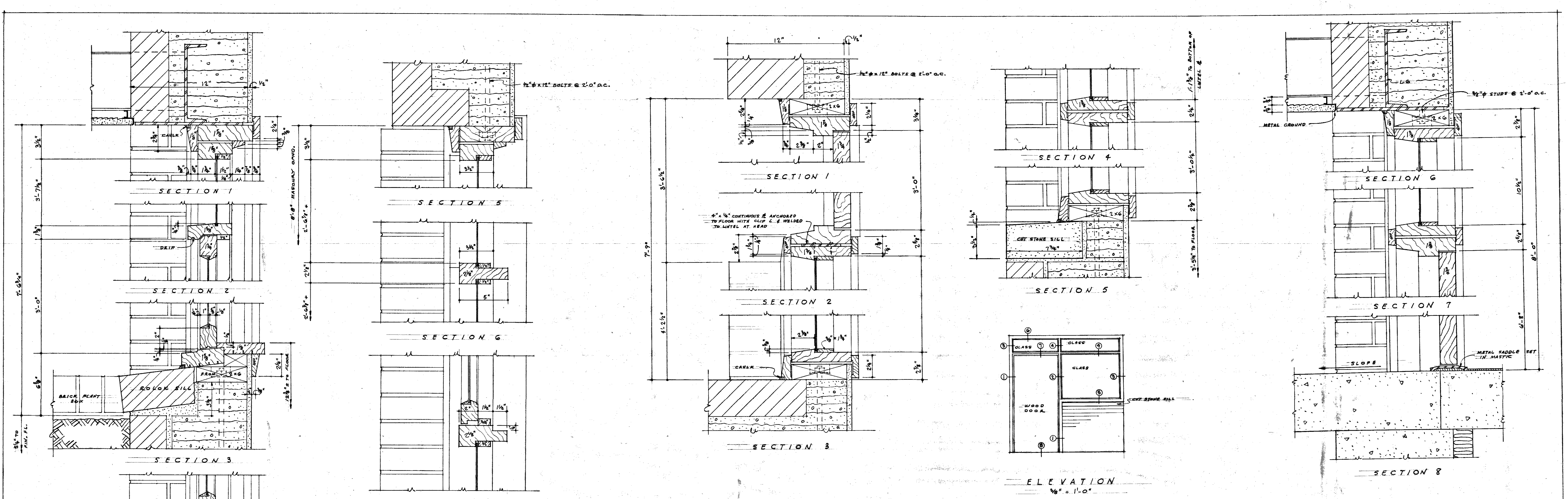
ROOM DESIGNATION	FLOOR		BASE		WALLS		CEILING		REMARKS
	INT. FINISH	EXT. FINISH	INT. FINISH	EXT. FINISH	INT. FINISH	EXT. FINISH	INT. FINISH	EXT. FINISH	
1. WAITING ROOM	0	0	0	0	0	0	0	0	3'-0\"/>

REVISIONS: DRAWN BY: W.R.J. CHECKED BY: J.A.L. APPROVED BY: J.D. Kline

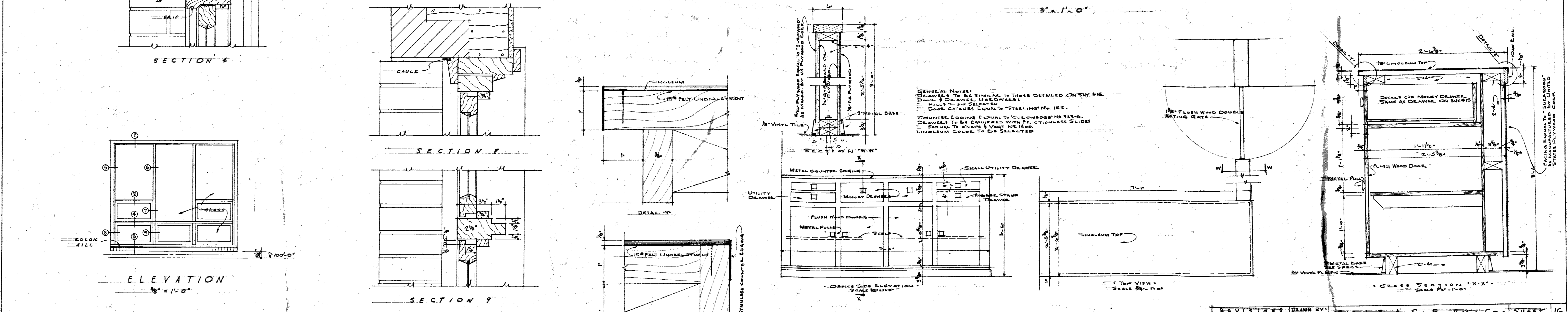
THE S. F. RY. CO. SHEET 13

NEW PASSENGER STATION TOPEKA, KANSAS JANUARY, 1955

CROSS SECTIONS & SCHEDULES C.E.O.T. FILE 22188



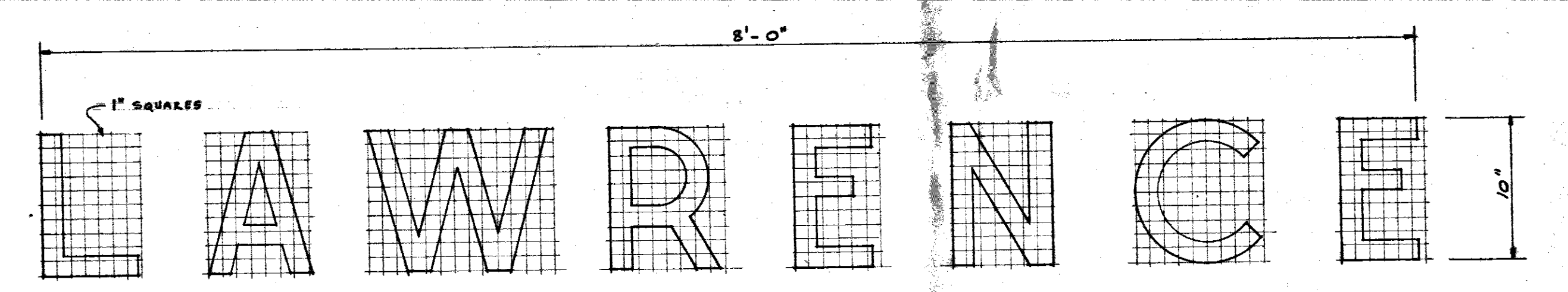
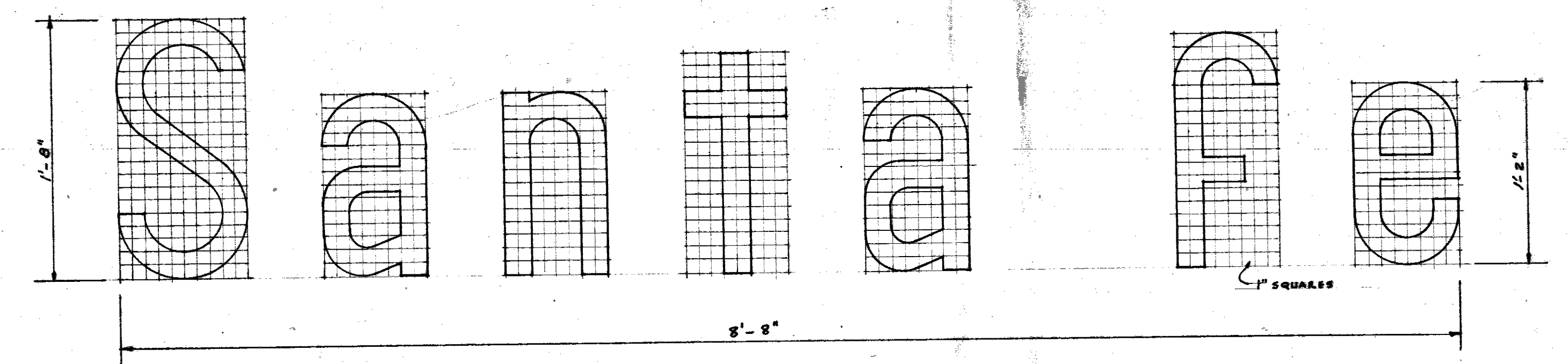
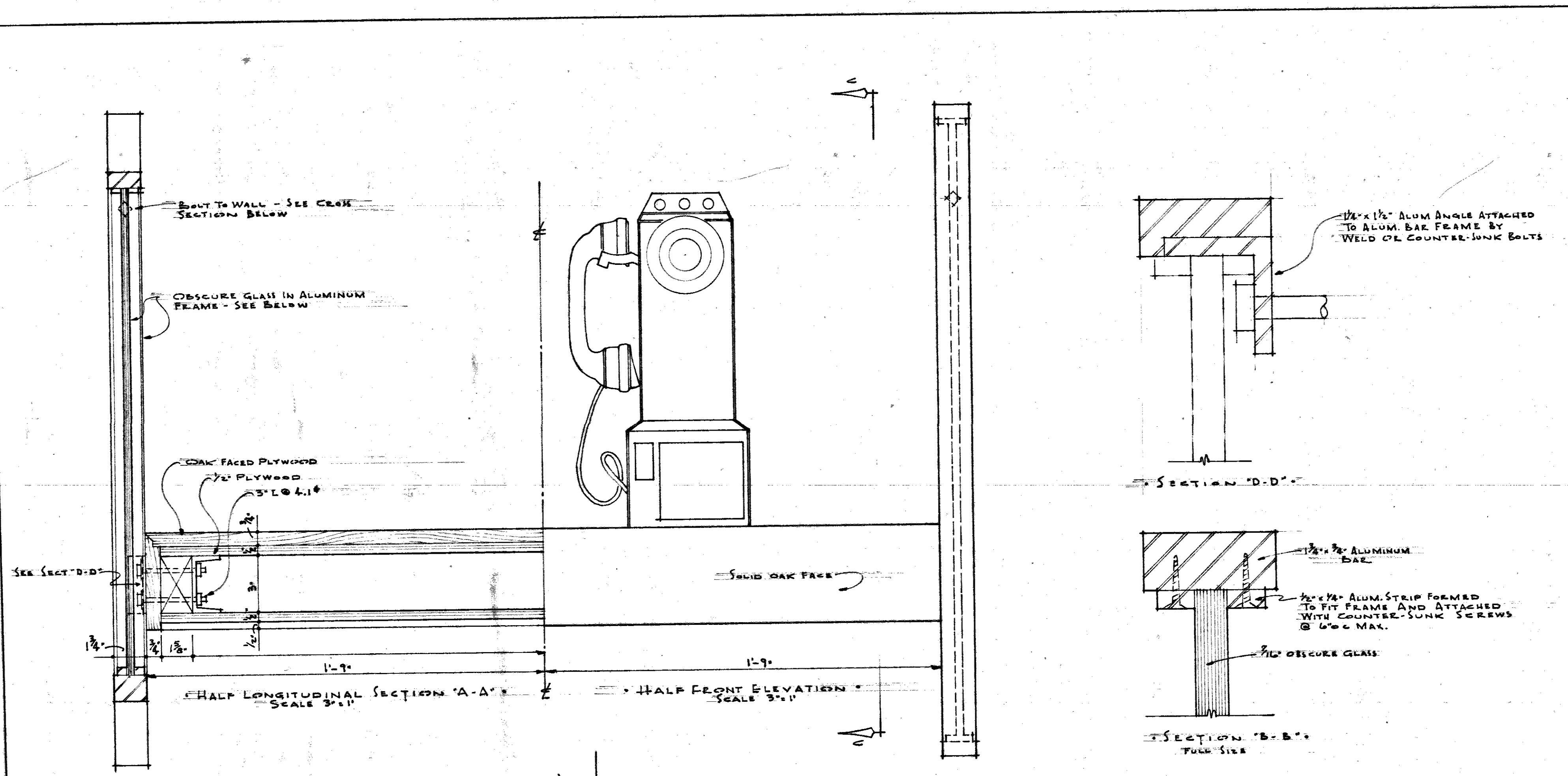
FREIGHT OFFICE ENTRANCE DETAILS



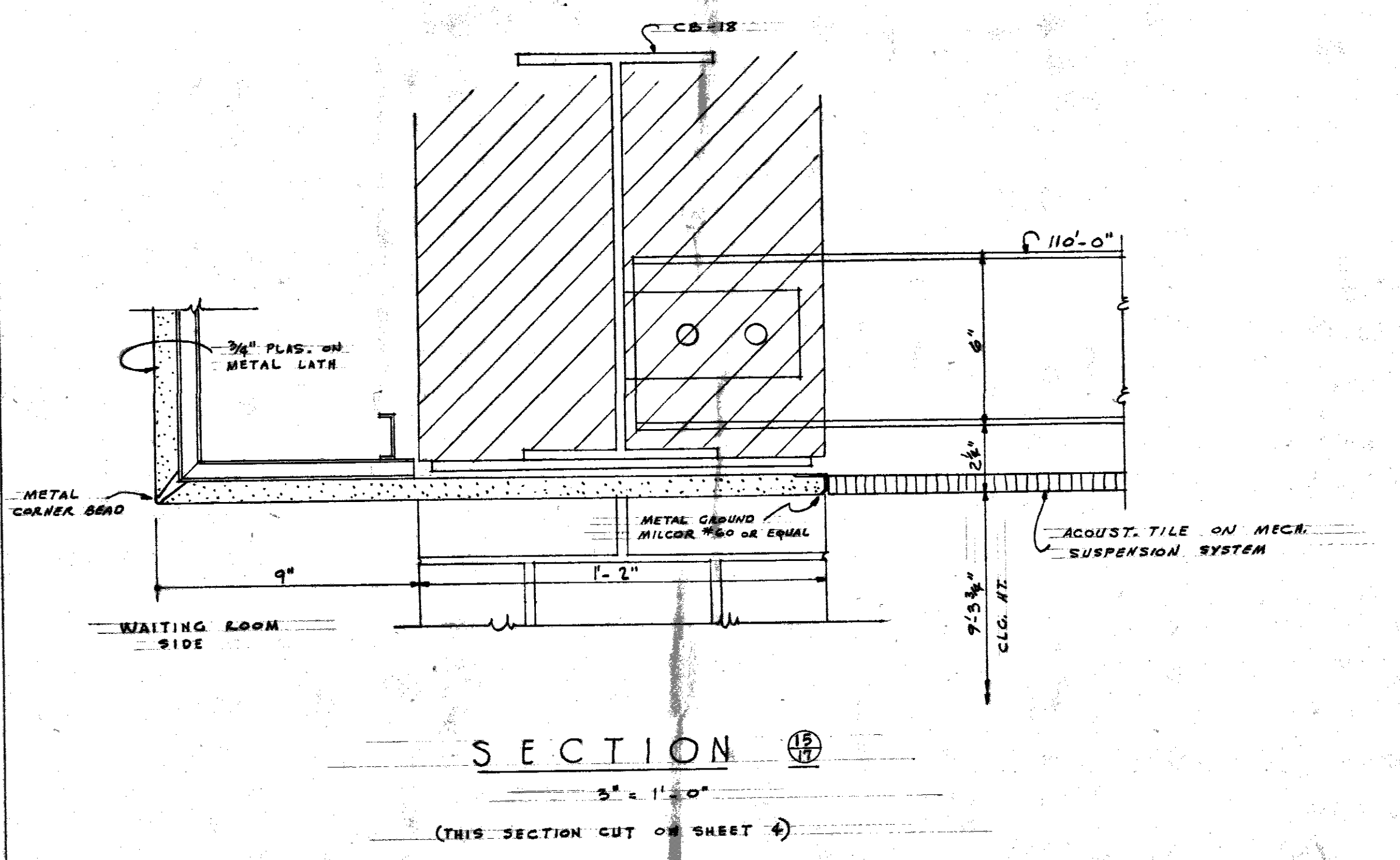
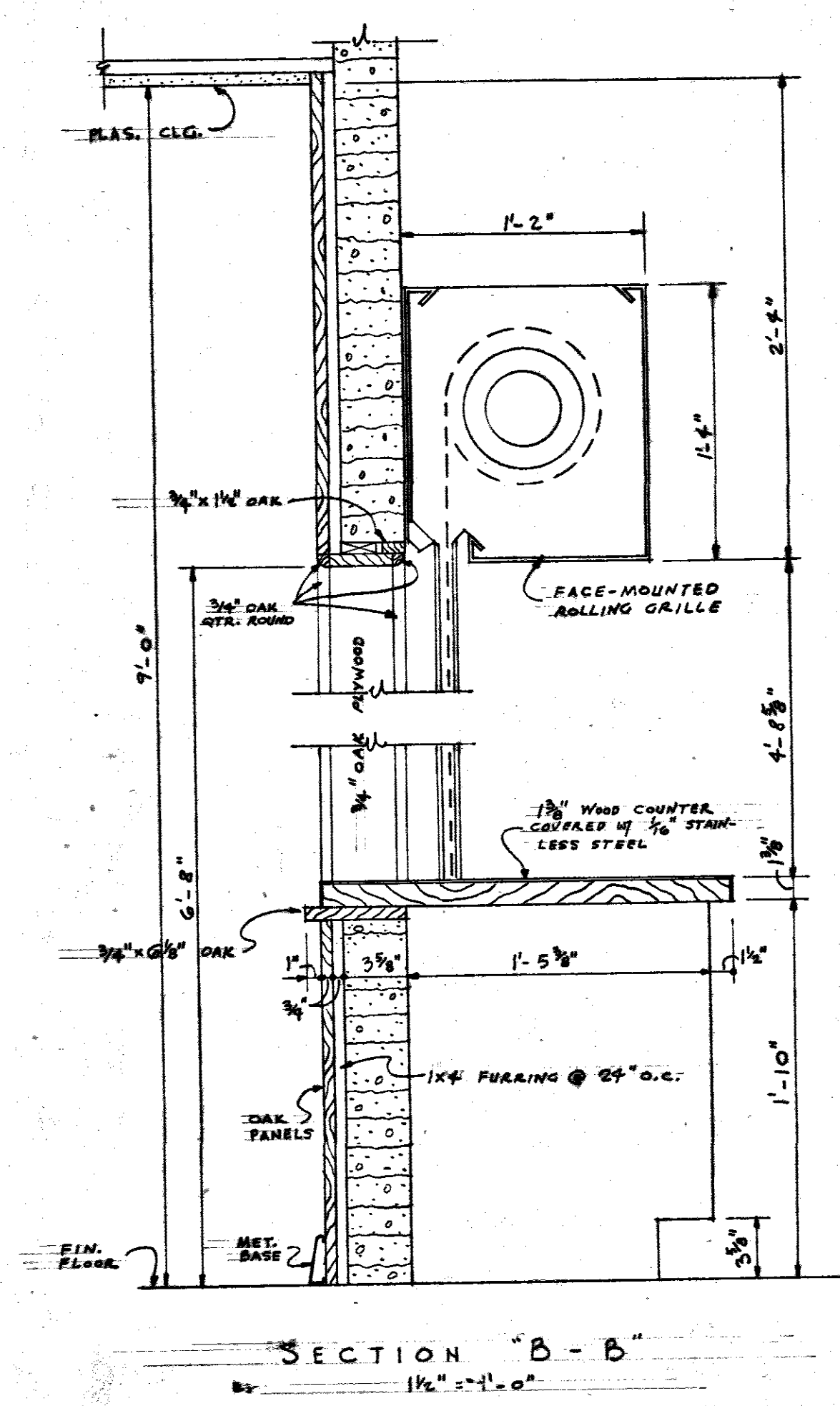
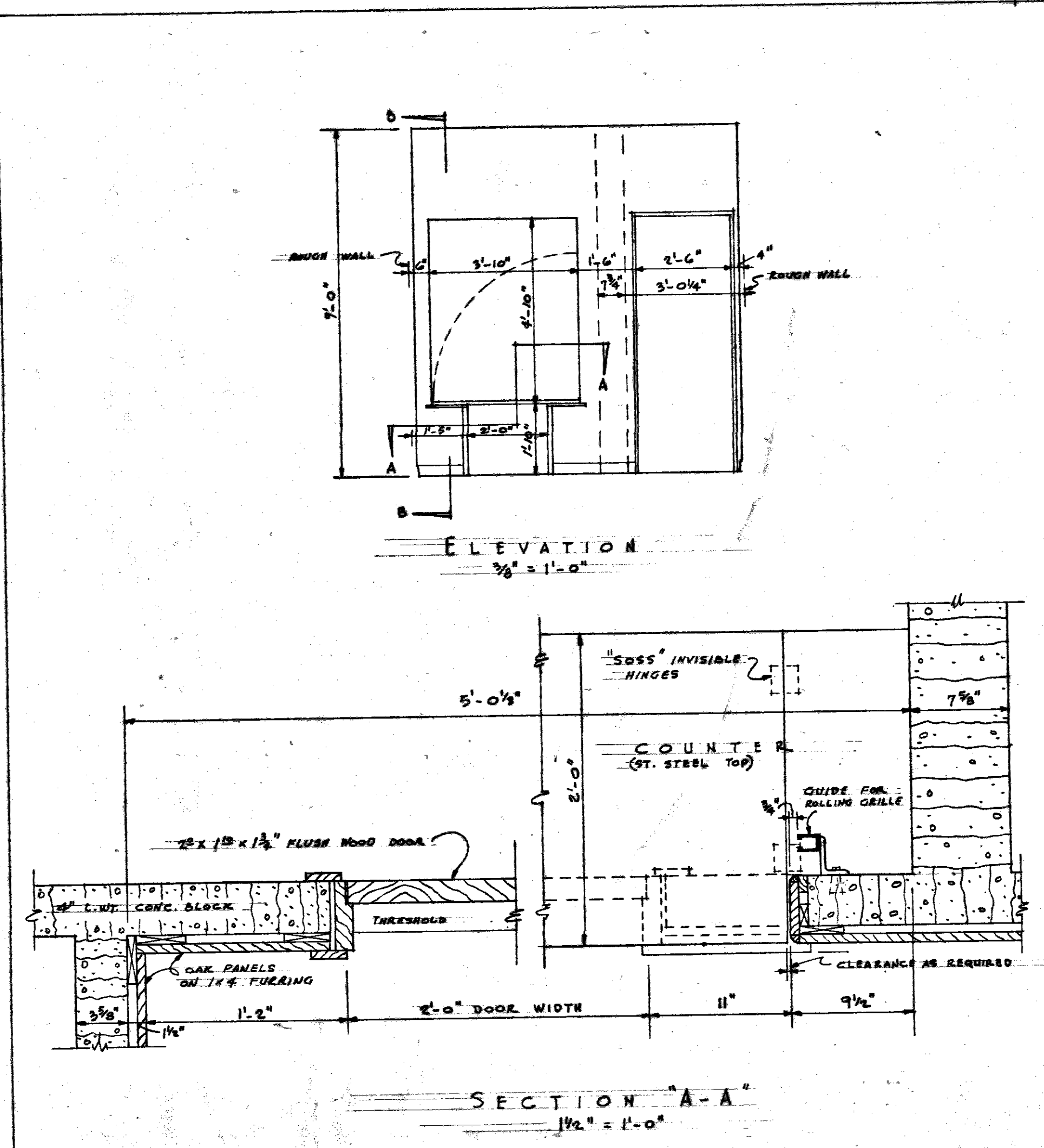
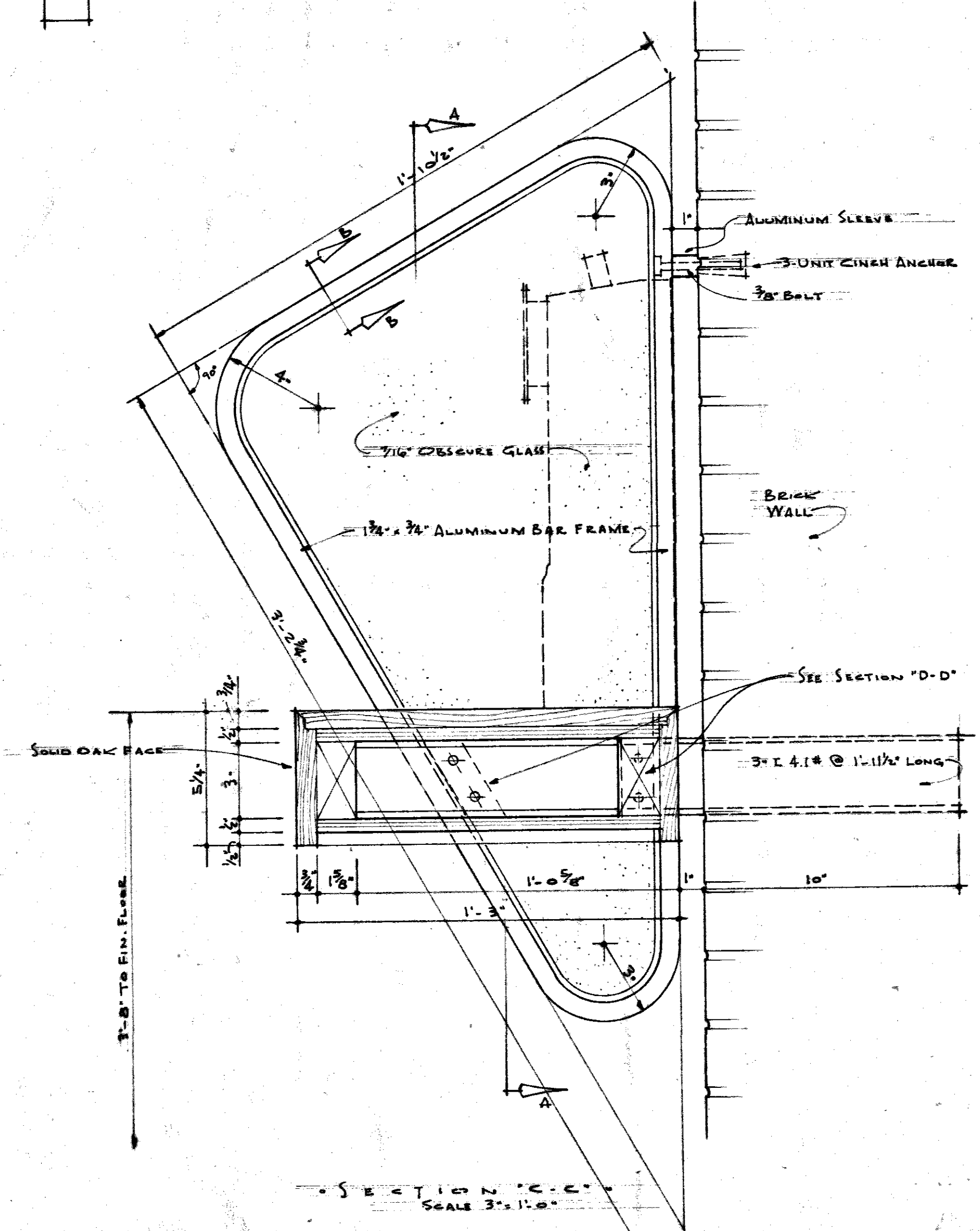
FREIGHT OFFICE WINDOW DETAILS

GENERAL NOTES:
 DRAWINGS TO BE SIMILAR TO THOSE DETAILED ON SHEET #15.
 DOOR & WINDOW HARDWARE TO BE SELECTED BY ARCHT.
 DOOR CATCHES EQUALS "STEELING" NO. 152.
 COUNTER EDGING EQUALS TO COUNTER EDGING ON SHEET #15.
 DRAWINGS TO BE EQUIPPED WITH FRICTIONLESS SLIDES.
 EQUAL TO SHEET #1507 NO. 152.
 LINOLEUM COLOR TO BE SELECTED.

REVISED BY	DATE	DESCRIPTION	BY	THE A. T. & S. P. RY. CO.	SHEET 16
CHECKED BY				NEW PASSENGER STATION	TOPEKA, KANSAS
				LAWRENCE	KANSAS
				FREIGHT OFFICE MILLWORK	C.E.O.T.
					FILE
					22185

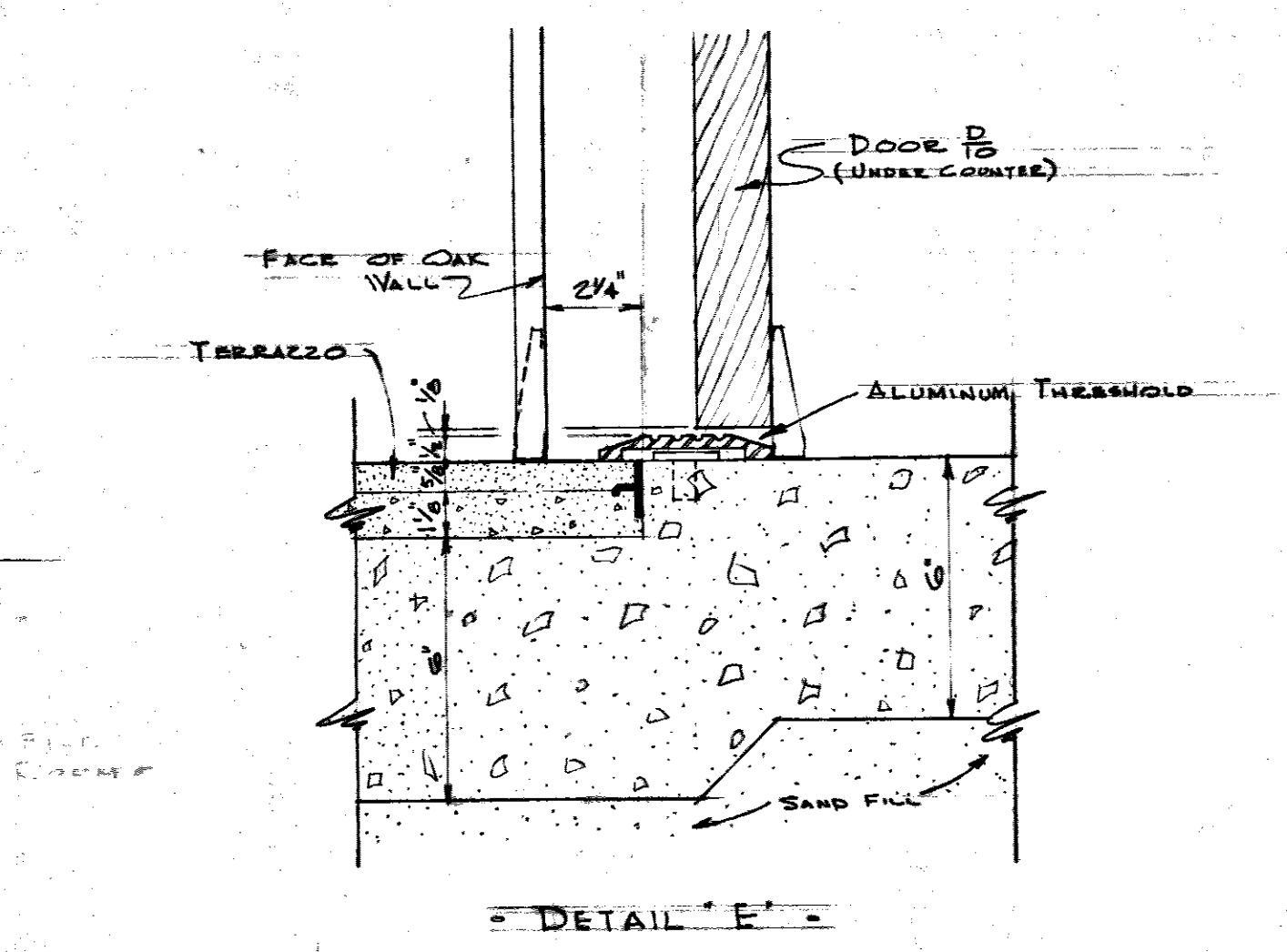
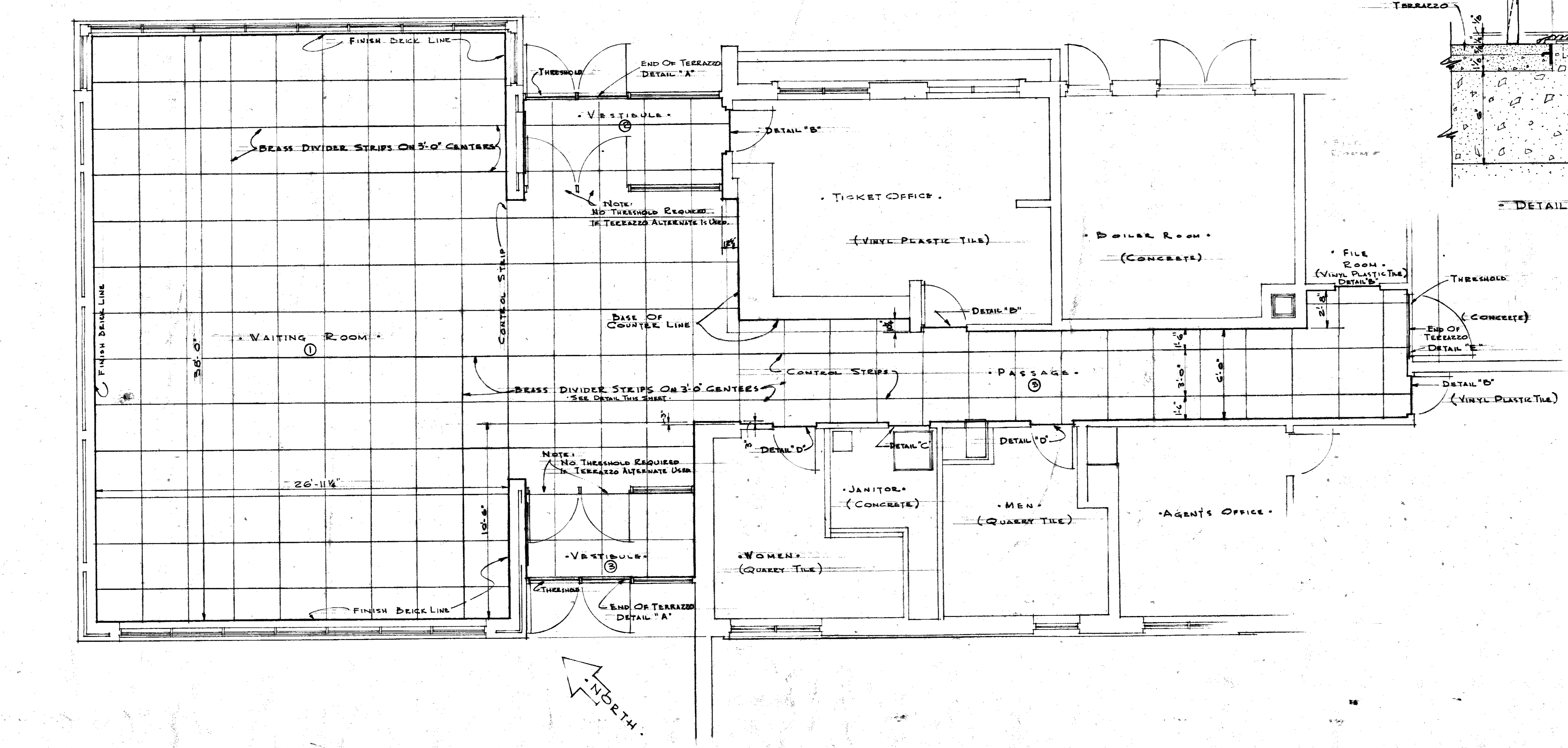
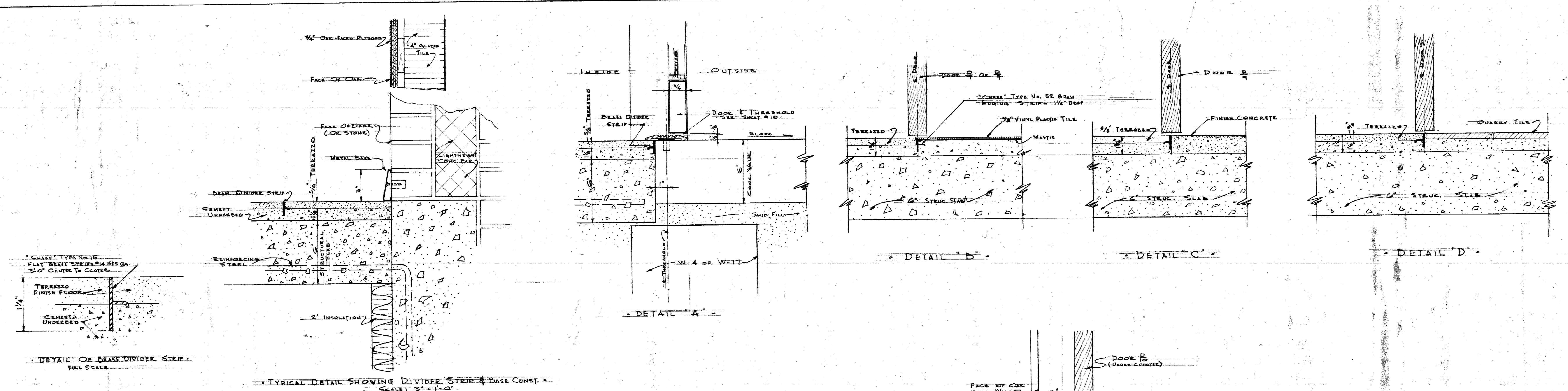


EXTERIOR SIGNS
(SEE SPECIFICATIONS)



BAGGAGE COUNTER DETAILS

REVISIONS	DATE	DESCRIPTION	BY	THE A. T. & S. F. R. Y. Co.	SHEET 17
				NEW PASSENGER STATION	18
				LAWRENCE	19
					JANUARY 1955
					C. E. O. T.
					FILE
					22183

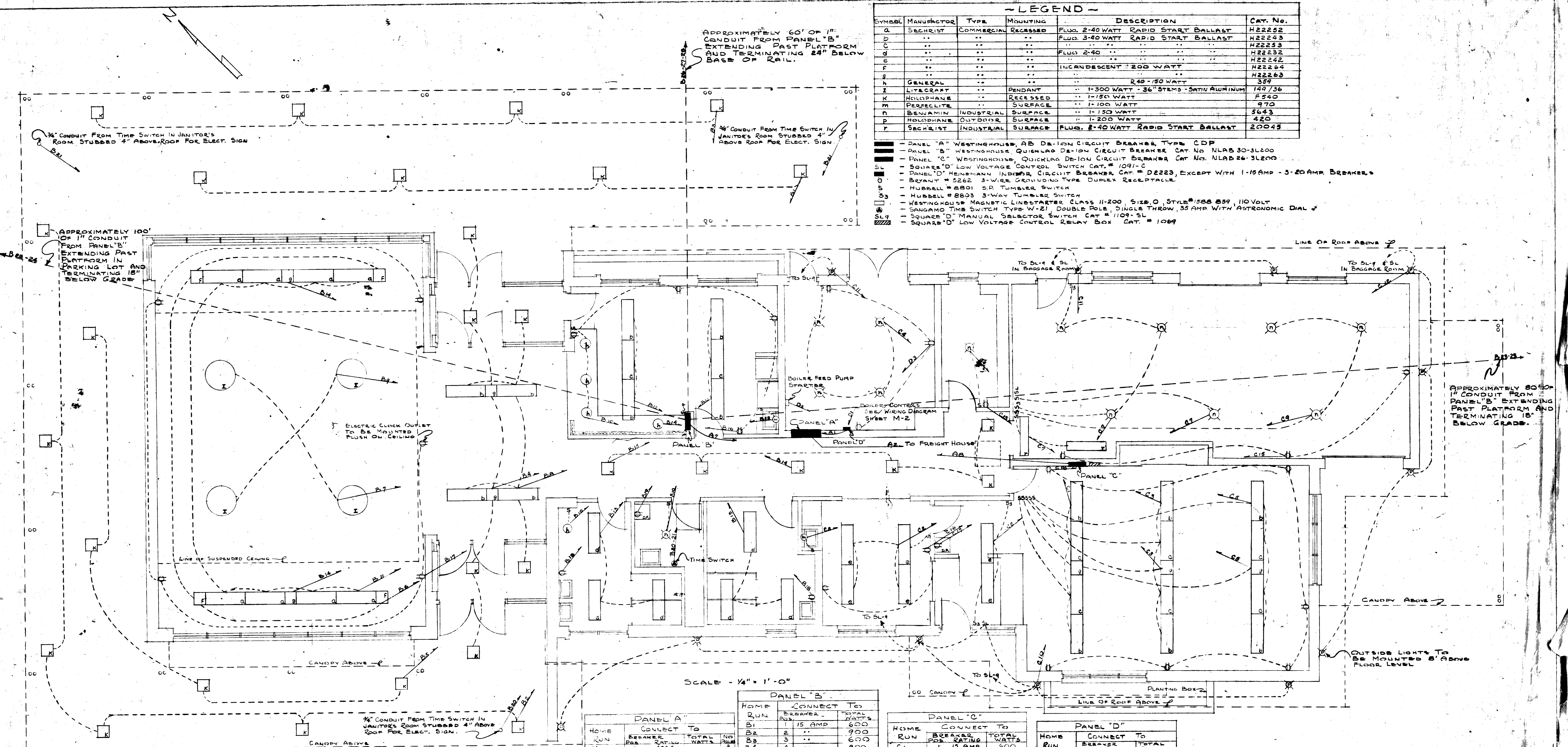


REVISIONS	DATE	DESCRIPTION	BY	DRAWN BY	THE A. T. & S. F. RY. CO.	SHEET
				C.J.P.		18
					NEW PASSENGER STATION	18
					LAWRENCE, KANSAS	FEBRUARY 10, 1936
					TERRAZZO PLAN & DETAILS	C.E.O.T.
					FILE	22109
					APPROVED: <i>J. D. ...</i>	
					CHIEF ENGINEER	

- LEGEND -

SYMBOL	MANUFACTOR	TYPE	MOUNTING	DESCRIPTION	CAT. No.
A	SECHRIST	COMMERCIAL	RECESSED	FLUO. 2-40 WATT RADIO START BALLAST	H22252
B	"	"	"	FLUO. 3-40 WATT RADIO START BALLAST	H22253
C	"	"	"	"	H22253
D	"	"	"	FLUO. 2-40 " " " "	H22232
E	"	"	"	"	H22242
F	"	"	"	INCANDESCENT 200 WATT	H22264
G	"	"	"	"	H22263
H	GENERAL	"	"	" 240-150 WATT	359
I	GENERAL	"	"	" 1-300 WATT - 36" STEMS - SATIN ALUMINUM	149/36
J	LITCRAFT	"	PENDANT	" 1-300 WATT	F 540
K	HOLOPHANE	"	RECESSED	" 1-150 WATT	970
L	PERFECTITE	"	SURFACE	" 1-100 WATT	5643
M	BENJAMIN INDUSTRIAL	"	SURFACE	" 1-150 WATT	420
N	HOLOPHANE	OUTDOOR	SURFACE	" 1-200 WATT	20045
P	SECHRIST	INDUSTRIAL	SURFACE	FLUO. 2-40 WATT RADIO START BALLAST	

- PANEL "A" WESTINGHOUSE AB DE-ION CIRCUIT BREAKER TYPE CDP
- PANEL "B" WESTINGHOUSE QUICKLAG DE-ION CIRCUIT BREAKER CAT. NO. NLAB 30-3L200
- PANEL "C" WESTINGHOUSE QUICKLAG DE-ION CIRCUIT BREAKER CAT. NO. NLAB 26-3L200
- SQUARE "D" LOW VOLTAGE CONTROL SWITCH CAT. # 1091-C
- PANEL "D" HENNINGMANN INDUSTRY CIRCUIT BREAKER CAT. # D2223, EXCEPT WITH 1-15 AMP - 3-20 AMP BREAKERS
- BRYANT # 5262 3-WIRE GROUNDING TYPE DUPLEX RECEPTACLE
- HUBBELL # 8801 3-P. TUMBLER SWITCH
- HUBBELL # 8893 3-WAY TUMBLER SWITCH
- WESTINGHOUSE MAGNETIC LINESTARTER CLASS II-200 SIZE C, STYLE # 1588 859, 110 VOLT
- SANGAMO TIME SWITCH TYPE W-21, DOUBLE POLE, SINGLE THROW, 35 AMP WITH ASTRONOMIC DIAL
- SQUARE "D" MANUAL SELECTOR SWITCH CAT. # 1109-SL
- SQUARE "D" LOW VOLTAGE CONTROL RELAY BOX CAT. # 1069



SCALE - 1/4" = 1'-0"

PANEL "A"

HOME RUN BREAKER POS.	CONNECT TO	TOTAL WATTS	NO. CIRCUITS
A1	1 40	2000	2
A2	2 100	5000	2
A3	3 SPACE		3
A4	4 SPACE		3
A5	5 40 AMP 10 HP		3
A6	6 40 AMP 10 HP		3
A7	7 200 AMP	26,550	2
A8	8 200 AMP	13,540	2

PANEL "B"

HOME RUN BREAKER POS.	CONNECT TO	TOTAL WATTS
B1	1 15 AMP	600
B2	2	900
B3	3	600
B4	4	900
B5	5	600
B6	6	8300
B7	7	600
B8	8	900
B9	9	600
B10	10	600
B11	11	8240
B12	12	700
B13	13	600
B14	14	750
B15	15	600
B16	16 20 AMP	72
B17	17	720
B18	18	360
B19	19	500
B20	20	2000

PANEL "C"

HOME RUN BREAKER POS.	CONNECT TO	TOTAL WATTS
C1	1	600
C2	2	700
C3	3	800
C4	4	750
C5	5	1000
C6	6	
C7	7	800
C8	8	
C9	9	450
C10	10	1000
C11	11	800
C12	12	800
C13	13 20 AMP	1080
C14	14	900
C15	15	720
C16	16	360
C17	17	300

PANEL "D"

HOME RUN BREAKER POS.	CONNECT TO	TOTAL WATTS
D1	1 15 AMP	500 WATT
D2	2 20 AMP	1/2 HP
D3	3	540 WATT
D4	4	SPACE

Pos. 29-30 To Be 20 AMP SPARES
Pos. 22-24, 25-28 To Have HANDLE TIES

B23	23	1200
B24	24	800
B25	25	1200

C20	20	900
-----	----	-----

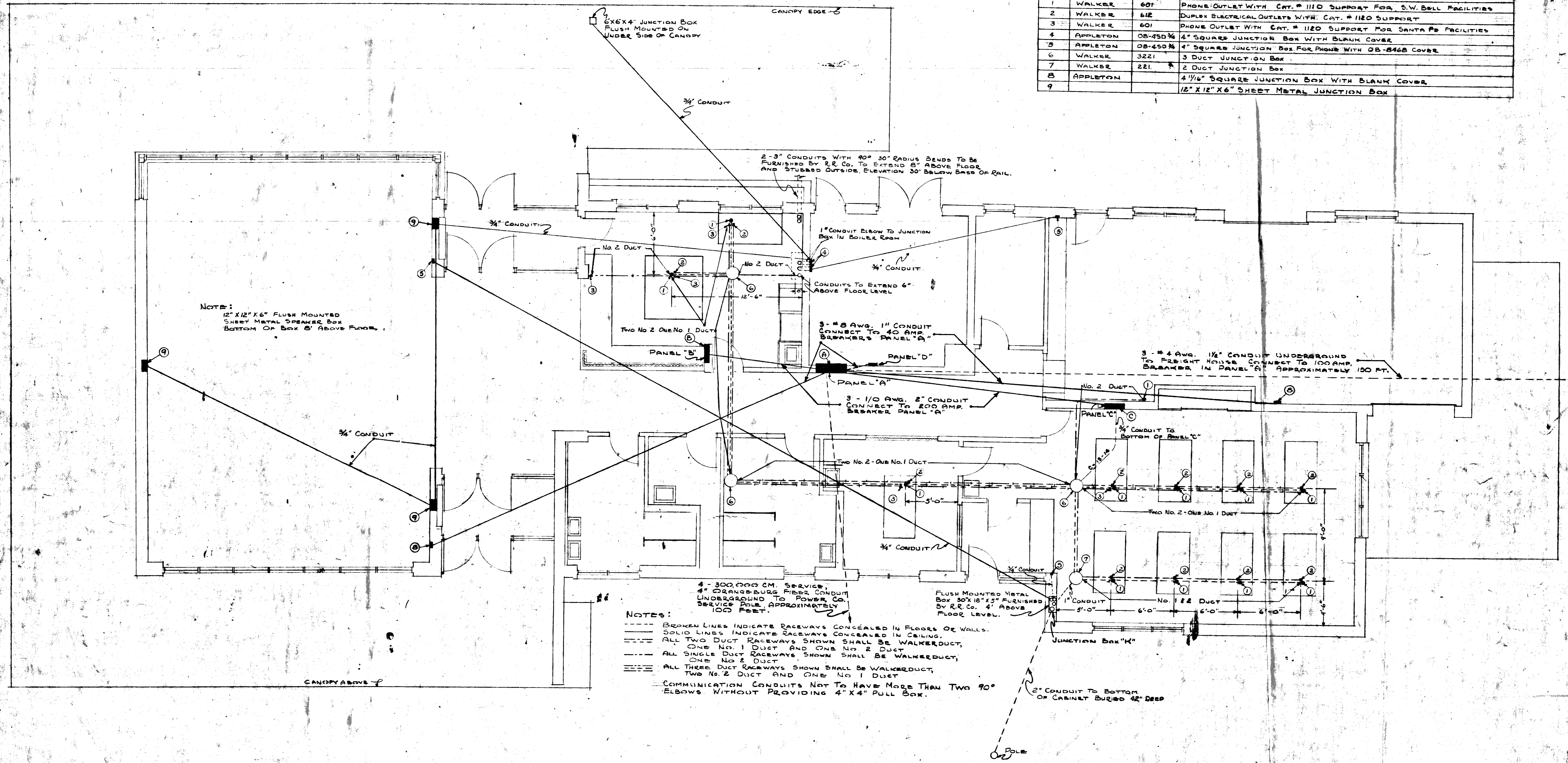
Pos. 21 THRU 26 To Be 20 AMP SPARES

C.E.O.T. FILE 2218
- A - T - S - O - F - R - S -
LAWRENCE KANSAS
ELECTRICAL INSTALLATION FOR
NEW COMBINATION DEPOT

2218

2218

-LEGEND-			
SYMBOL	MANUFACTURER	CAT. No.	DESCRIPTION
A, C, D			SEE SHEET No. 1
1	WALKER	601	PHONE OUTLET WITH CAT. # 1110 SUPPORT FOR S.W. BELL FACILITIES
2	WALKER	612	DUPLEX ELECTRICAL OUTLETS WITH CAT. # 1120 SUPPORT
3	WALKER	601	PHONE OUTLET WITH CAT. # 1120 SUPPORT FOR SANTA FE FACILITIES
4	APPLETON	OB-450 3/4	4" SQUARE JUNCTION BOX WITH BLANK COVER
5	APPLETON	OB-450 3/4	4" SQUARE JUNCTION BOX FOR PHONE WITH OB-846B COVER
6	WALKER	321	3 DUCT JUNCTION BOX
7	WALKER	221	2 DUCT JUNCTION BOX
8	APPLETON		4 1/16" SQUARE JUNCTION BOX WITH BLANK COVER
9			12" X 12" X 6" SHEET METAL JUNCTION BOX



NOTE:
12" X 12" X 6" FLUSH MOUNTED SHEET METAL SPEAKER BOX BOTTOM OF BOX 8" ABOVE FLOOR.

NOTES:
 - - - - - BROKEN LINES INDICATE RACEWAYS CONCEALED IN FLOORS OR WALLS.
 - - - - - SOLID LINES INDICATE RACEWAYS CONCEALED IN CEILING.
 - - - - - ALL TWO DUCT RACEWAYS SHOWN SHALL BE WALKER DUCT, ONE NO. 1 DUCT AND ONE NO. 2 DUCT.
 - - - - - ALL SINGLE DUCT RACEWAYS SHOWN SHALL BE WALKER DUCT, ONE NO. 2 DUCT.
 - - - - - ALL THREE DUCT RACEWAYS SHOWN SHALL BE WALKER DUCT, TWO NO. 2 DUCT AND ONE NO. 1 DUCT.
 - - - - - COMMUNICATION CONDUITS NOT TO HAVE MORE THAN TWO 90° ELBOWS WITHOUT PROVIDING 4" X 4" PULL BOX.

DISTRIBUTION CONDUITS - COMMUNICATION CONDUITS

SCALE 1/4" = 1' 0"

C.E.O.T. FILE 22183

-A-T-E-S-F-R-

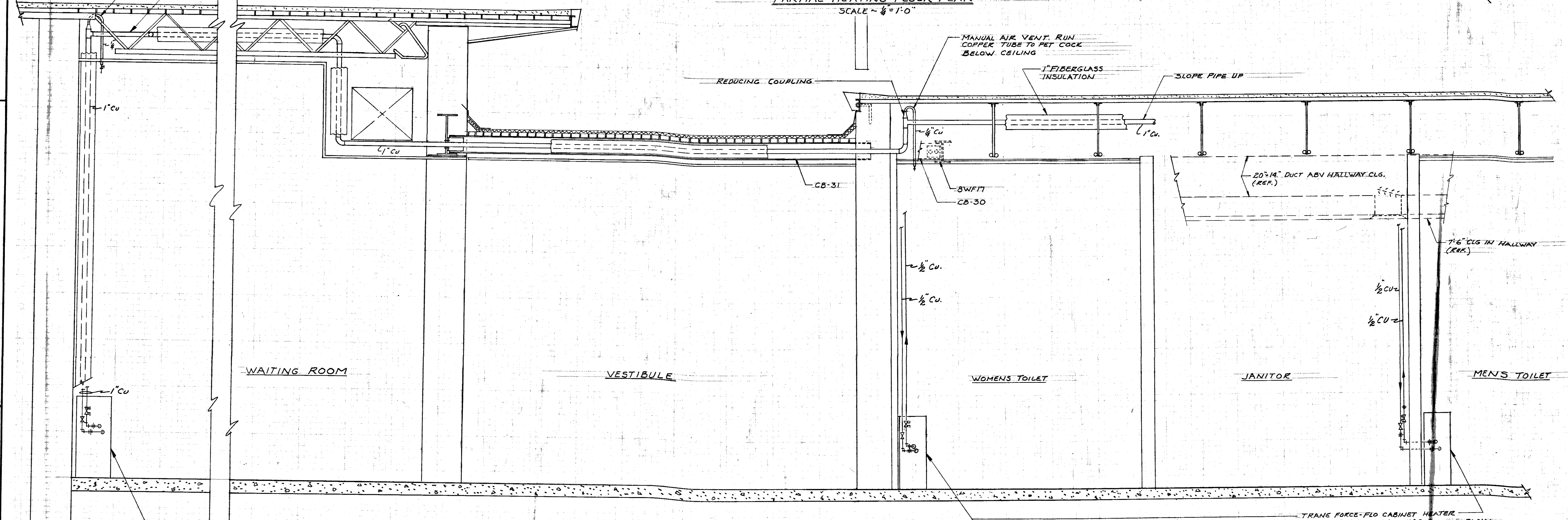
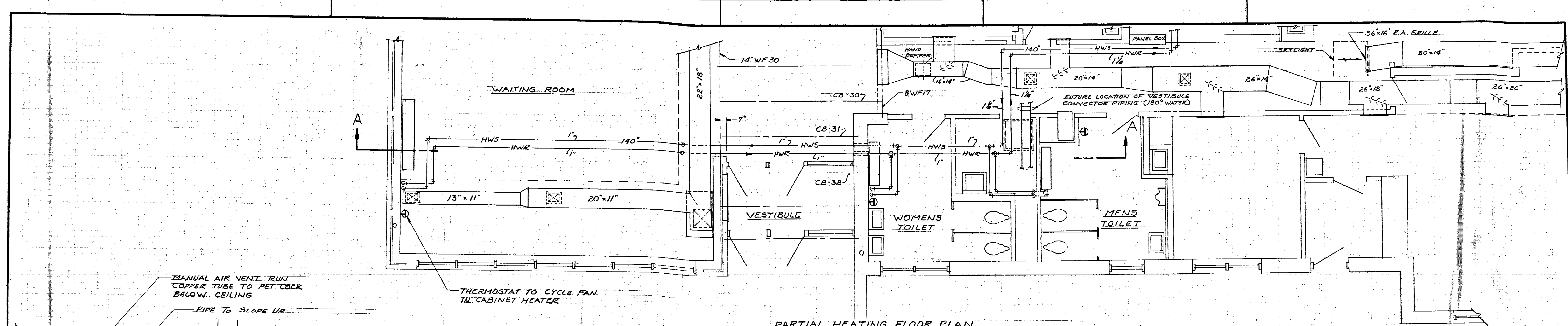
LAWRENCE KANSAS

ELECTRICAL INSTALLATION FOR
NEW COMBINATION DEPT.

OFFICE ENGINEER SHOP EXTENSIONS E-85
TOPKA, KANSAS FEBRUARY 1953 SHEET 21 OF 2

88188

88188



TRANE FORCE-FLO CABINET HEATER
MODEL B12A02 WITH HO3 CONTROL PACKAGE
5100 BTUH @ 140° WATER
8.5 GPM WITH 20° DROP
6.57 FT. PRESSURE DROP
1000 CFM

TRANE FORCE-FLO CABINET HEATER
MODEL B12A02 WITH HO3 CONTROL PACKAGE
14700 BTUH @ 140° WATER
237 GPM WITH 20° DROP
2.5 FT. PRESSURE DROP
200 CFM
2 REQD

REVISIONS			SEAL	DRAWN BY	THE A. T. & S. F. RY. CO. EASTERN LINES, TOPEKA, KANSAS		SHEET NO.
DATE	DESCRIPTION	BY		JEA	WAITING ROOM HEATING REARRANGMENT		M-1A
					LAWRENCE DEPOT		OF 1
					LAWRENCE KANSAS		SEPT 1982
					ARCHITECT (Signed) D.E. Voth		TOPEKA, KAN.
					ASST. ENR., MGR.-ENGINEERING		E.O.T.
					13133 G. L. HOLMAN		DRAWING NO.
							22183

88188



CEOT FILE
22183

ASTM E 1527-05 USER QUESTIONNAIRE

Page 1 of 2

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfields Revitalization Act of 2001, the User must respond to the following questions. Failure to provide this information to the Environmental Professional may result in significant data gaps, which may limit our ability to identify recognized environmental conditions resulting in a determination that "all appropriate inquiry" is not complete. This form represents a type of interview and as such, the User has an obligation to answer all questions in good faith, to the extent of their actual knowledge.

Site Name: BNSF Depot /
Santa Fe Station

Site Address: 413 E. 7th Street
Lawrence KS 66044

1) Are you aware of any environmental cleanup liens against the site that are filed or recorded under federal, tribal, state or local law (40 CFR 312.25)? No Yes If yes, please explain.

2) Are you aware of any activity and use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law (40 CFR 312.26)? No Yes If yes, please explain.

3) As the user of this ESA, do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312-28)? No Yes If yes, please explain.

The city is aware of contamination in the general vicinity associated with a Black Hills Energy site - KDHE regulating.

4) Does the purchase price being paid for this site reasonably reflect the fair market value of the site (40 CFR 312.29)? No Yes

If no, have you considered whether the lower purchase price is because contamination is known or believed to be present at the site (40 CFR 312.29)? No Yes If yes, please explain.

5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releases or threatened releases (40 CFR 312.30)? No Yes If yes, please explain.

6.) As the user of this ESA, based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence or likely presence of contamination at the site (40 CFR 312.31)? No Yes If yes, please explain.

Request for Information and Documentation

In addition to the specific questions outlined above, the User is requested to provide the following information and documentation, as available. ASTM requires that this information, if available, be provided to the Environmental Professional prior to the site visit.

Please return this form with the signed and completed Agreement for Services.

ASTM E 1527-05 USER QUESTIONNAIRE

Page 2 of 2

Item Supplied "X"	Not Applicable, Not Available or Not Known "X"	Item Requested (See Proposal)	Contacts/Comments Or Indicate Attachment
X		Point of Contact for Access	Name/Phone:
X		Current Site Owner	Name/Phone:
X		Current Facility Operator	Name/Phone:
X		Contacts for Prior Owners	Name/Phone:
X		Contacts for Prior Occupants	Name/Phone:
	X	Access Restrictions	
	X	Notification of Special Requirements Regarding Confidentiality	
X		Legal Description and Diagram/ Survey of Site	
	X	Chain of Title with Grantor/Grantee Summary back to 1940 or first developed use	
X		Reasons for conducting ESA	

Helpful Documents Checklist

Pursuant to ASTM E 1527-05 § 10.8, do you know whether any of the following documents exist related to the subject property and, if so, whether copies can and will be provided to the Environmental Professional? Check all that apply.

- | | |
|---|---|
| <input type="checkbox"/> Environmental site assessment reports | <input type="checkbox"/> Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property |
| <input type="checkbox"/> Environmental compliance audit reports | <input type="checkbox"/> Registrations for underground injection systems |
| <input type="checkbox"/> Geotechnical studies | <input type="checkbox"/> Environmental permits/plans, solid waste permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits, SPCC plans |
| <input type="checkbox"/> Reports regarding hydrogeologic conditions on the property or surrounding area | |
| <input type="checkbox"/> Registrations for above or underground storage tanks | |

Diane Stokeland
Name (Authorized Client Representative)

Asst. City Manager, City of Lawrence
Title

Diane Stokeland
Signature

9/27/13
Date

Please return this form with the signed and completed Agreement for Services.

APPENDIX D
ENVIRONMENTAL DATABASE INFORMATION

Railroad Depot

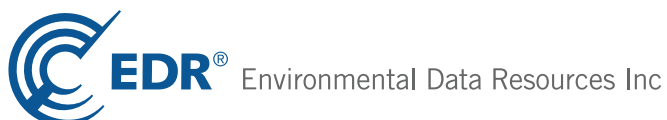
413 E. 7th Street

Lawrence, KS 66044

Inquiry Number: 3723245.2s

September 10, 2013

The EDR Radius Map™ Report with GeoCheck®



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

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

413 E. 7TH STREET
LAWRENCE, KS 66044

COORDINATES

Latitude (North): 38.9712000 - 38° 58' 16.32"
Longitude (West): 95.2304000 - 95° 13' 49.44"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 306772.2
UTM Y (Meters): 4315739.0
Elevation: 816 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

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

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2012
Source: USDA

TARGET PROPERTY SEARCH RESULTS

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

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
413 E. 7TH ST 413 E. 7TH ST LAWRENCE, KS	SPILLS Close Date: 01/17/1975	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

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

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal leaking storage tank lists

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

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Identified Sites List

State and tribal Brownfields sites

BROWNFIELDS..... Identified Sites List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
AOC CONCERN..... Area of Concern
CDL..... Clandestine Laboratory Data
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

Other Ascertainable Records

DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
US MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

EXECUTIVE SUMMARY

HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
UIC.....	Underground Injection Wells Database Listing
DRYCLEANERS.....	Registered Drycleaning Facilities
AIRS.....	Title V Source Information
TIER 2.....	Tier 2 Information Listing
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
EPA WATCH LIST.....	EPA WATCH LIST
LEAD SMELTERS.....	Lead Smelter Sites
Financial Assurance.....	Financial Assurance Information Listing
US FIN ASSUR.....	Financial Assurance Information
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH DOE.....	Steam-Electric Plant Operation Data
2020 COR ACTION.....	2020 Corrective Action Program List
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
PRP.....	Potentially Responsible Parties
COAL ASH.....	Coal Ash Disposal Site Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Cleaners..... EDR Exclusive Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

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

EXECUTIVE SUMMARY

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

A review of the CERCLIS list, as provided by EDR, and dated 04/26/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAWRENCE RIVERFRONT MALL	1 RIVERFRONT PLAZA	WNW 1/4 - 1/2 (0.252 mi.)	27	55

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 06/18/2013 has revealed that there are 5 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MIKES BODY SHOP	646 CONNECTICUT	WNW 0 - 1/8 (0.114 mi.)	B5	12
DALE & RONS AUTO SVC	630 CONNECTICUT	WNW 0 - 1/8 (0.117 mi.)	B8	17
MARTIN LOGAN COATINGS	619 E 8TH	SSE 1/8 - 1/4 (0.130 mi.)	C12	33
SUN CREATIONS	826 PENNSYLVANIA	SSE 1/8 - 1/4 (0.180 mi.)	D15	36
REUTER ORGAN CO INC	612 NEW HAMPSHIRE	WNW 1/8 - 1/4 (0.247 mi.)	26	53

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Health & Environment's list: Summary of Bureau of Environmental Remediation Sites in Kansas.

A review of the SHWS list, as provided by EDR, and dated 08/08/2013 has revealed that there are 4 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KANSAS PUBLIC SERVICE (FORMER) Facility Status: Resolved with restrictions	620 E. 8TH STREET	SSE 1/8 - 1/4 (0.128 mi.)	C11	21
LAWRENCE RIVER FRONT MALL Facility Status: Resolved		NW 1/8 - 1/4 (0.237 mi.)	25	52
KANSAS PUBLIC SERVICES - MERCU Facility Status: Resolved	11TH & DELAWARE	SSE 1/2 - 1 (0.532 mi.)	45	85
LAWRENCE SATELLITE POW CAMP Facility Status: Resolved	11TH AND HASKELL	SE 1/2 - 1 (0.630 mi.)	46	88

EXECUTIVE SUMMARY

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

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Health & Environment's Directory of Sanitary Landfills, Solid Waste Transfer Stations and Collectors in Kansas.

A review of the SWF/LF list, as provided by EDR, and dated 04/02/2013 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY OF LAWRENCE	901 E. 8TH STREET	ESE 1/4 - 1/2 (0.268 mi.)	29	57

State and tribal leaking storage tank lists

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

A review of the LUST list, as provided by EDR, and dated 07/25/2013 has revealed that there are 21 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VENTURE PROPERTIES Facility Status: Closed	715 NEW JERSEY	SSE 0 - 1/8 (0.048 mi.)	A2	9
BANNING SALES & SERVICE Facility Status: Closed	646 CONNECTICUT STREET	WNW 0 - 1/8 (0.114 mi.)	B6	14
RHOADS HEATING & ROOFING Facility Status: Closed	832 PENNSYLVANIA	SSE 1/8 - 1/4 (0.185 mi.)	D16	39
LAWRENCE BUS CO. Facility Status: Closed	841 PENNSYLVANIA STREET	SSE 1/8 - 1/4 (0.195 mi.)	E18	40
CITY OF LAWRENCE Facility Status: Closed	7TH STREET AND NEW HAMP W	1/8 - 1/4 (0.235 mi.)	24	51
WINTER BLOCK Facility Status: Closed	8TH & NEW HAMPSHIRE	WSW 1/4 - 1/2 (0.266 mi.)	28	56
ELDRIDGE HOTEL Facility Status: Closed	701 MASSACHUSETTS	W 1/4 - 1/2 (0.298 mi.)	30	58
USD 497, LAWRENCE, NEW YORK EL Facility Status: Closed	936 NEW YORK	S 1/4 - 1/2 (0.306 mi.)	31	59
LAWRENCE PARKING GARAGE Facility Status: Closed	900 BLK NEW HAMPSHIRE	SW 1/4 - 1/2 (0.343 mi.)	H32	60
CARL BAHNMAIER Facility Status: Monitor	900 NEW HAMPSHIRE	SW 1/4 - 1/2 (0.345 mi.)	H33	61
SOUTHWESTERN BELL TEL-LAWRENCE Facility Status: Closed	734 VERMONT	W 1/4 - 1/2 (0.363 mi.)	34	64
FRITZEL PROPERTY Facility Status: Closed	646 VERMONT	W 1/4 - 1/2 (0.367 mi.)	35	68
ICE PLANT Facility Status: Closed	6TH & VERMONT	WNW 1/4 - 1/2 (0.384 mi.)	I36	70
FORMER SINCLAIR Facility Status: Closed	6TH & VERMONT	WNW 1/4 - 1/2 (0.384 mi.)	I37	71

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FIRST NATIONAL BANK Facility Status: Closed	9TH & MASSACHUSETTS	SW 1/4 - 1/2 (0.394 mi.)	38	72
USD #497 Facility Status: Closed	508 ELM	NNE 1/4 - 1/2 (0.408 mi.)	39	73
DAISY J. THOMPSON Facility Status: Closed	1045 NEW JERSEY	S 1/4 - 1/2 (0.442 mi.)	40	75
CRAMER'S 66 Facility Status: Closed	1002 NEW HAMPSHIRE	SSW 1/4 - 1/2 (0.452 mi.)	41	76
BERKELEY SQUARE Facility Status: Monitor	10TH & MASSACHUSETTS	SW 1/4 - 1/2 (0.474 mi.)	42	79
SCOTCH INDUSTRIES INC Facility Status: Closed	1029 NEW HAMPSHIRE	SSW 1/4 - 1/2 (0.481 mi.)	43	81
DOWNTOWN MUFFLER SHOP Facility Status: Closed	900 KENTUCKY	WSW 1/4 - 1/2 (0.495 mi.)	44	84

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Health & Environment's UST (Report) Listing Including Names.

A review of the UST list, as provided by EDR, and dated 07/25/2013 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BANNING SALES & SERVICE	646 CONNECTICUT STREET	WNW 0 - 1/8 (0.114 mi.)	B6	14
RHODES HEATING & ROOFING CO IN	813 PENNSYLVANIA	SSE 1/8 - 1/4 (0.163 mi.)	D14	35
LAWRENCE BUS CO.	841 PENNSYLVANIA STREET	SSE 1/8 - 1/4 (0.195 mi.)	E18	40
KAW SAND COMPANY	800 E 8TH	SE 1/8 - 1/4 (0.217 mi.)	G22	48

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Health & Environment's AST (Report) Listing Including Names.

A review of the AST list, as provided by EDR, and dated 07/25/2013 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PENNY'S CONCRETE INC.	800 E 8TH ST	SE 1/8 - 1/4 (0.217 mi.)	G23	50

State and tribal institutional control / engineering control registries

INST CONTROL: Sites that have institutional control information entered into the Identified Sites List database.

A review of the INST CONTROL list, as provided by EDR, and dated 05/01/2013 has revealed that there

EXECUTIVE SUMMARY

is 1 INST CONTROL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>KANSAS PUBLIC SERVICE (FORMER)</i>	<i>620 E. 8TH STREET</i>	<i>SSE 1/8 - 1/4 (0.128 mi.)</i>	<i>C11</i>	<i>21</i>

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/18/2013 has revealed that there are 5 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SUN CREATIONS</i>	<i>717 NEW JERSEY</i>	<i>SSE 0 - 1/8 (0.050 mi.)</i>	<i>A3</i>	<i>10</i>
<i>PUROZONE CHEMICAL CO INC</i>	<i>708-18 CONNECTICUT (A)</i>	<i>W 0 - 1/8 (0.106 mi.)</i>	<i>4</i>	<i>11</i>
<i>AQUILA INC</i>	<i>620 E 8TH ST</i>	<i>SSE 1/8 - 1/4 (0.128 mi.)</i>	<i>C10</i>	<i>20</i>
<i>T I R E CO</i>	<i>313 E 8TH</i>	<i>SW 1/8 - 1/4 (0.204 mi.)</i>	<i>F19</i>	<i>42</i>
<i>PENNYNS CONCRETE INC</i>	<i>800 E 8TH</i>	<i>SE 1/8 - 1/4 (0.217 mi.)</i>	<i>G21</i>	<i>45</i>

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>KANSAS PUBLIC SERVICE (FORMER)</i>	<i>620 E 8TH (NE CORNER OF</i>	<i>SE 1/8 - 1/4 (0.143 mi.)</i>	<i>13</i>	<i>35</i>

EXECUTIVE SUMMARY

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 4 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

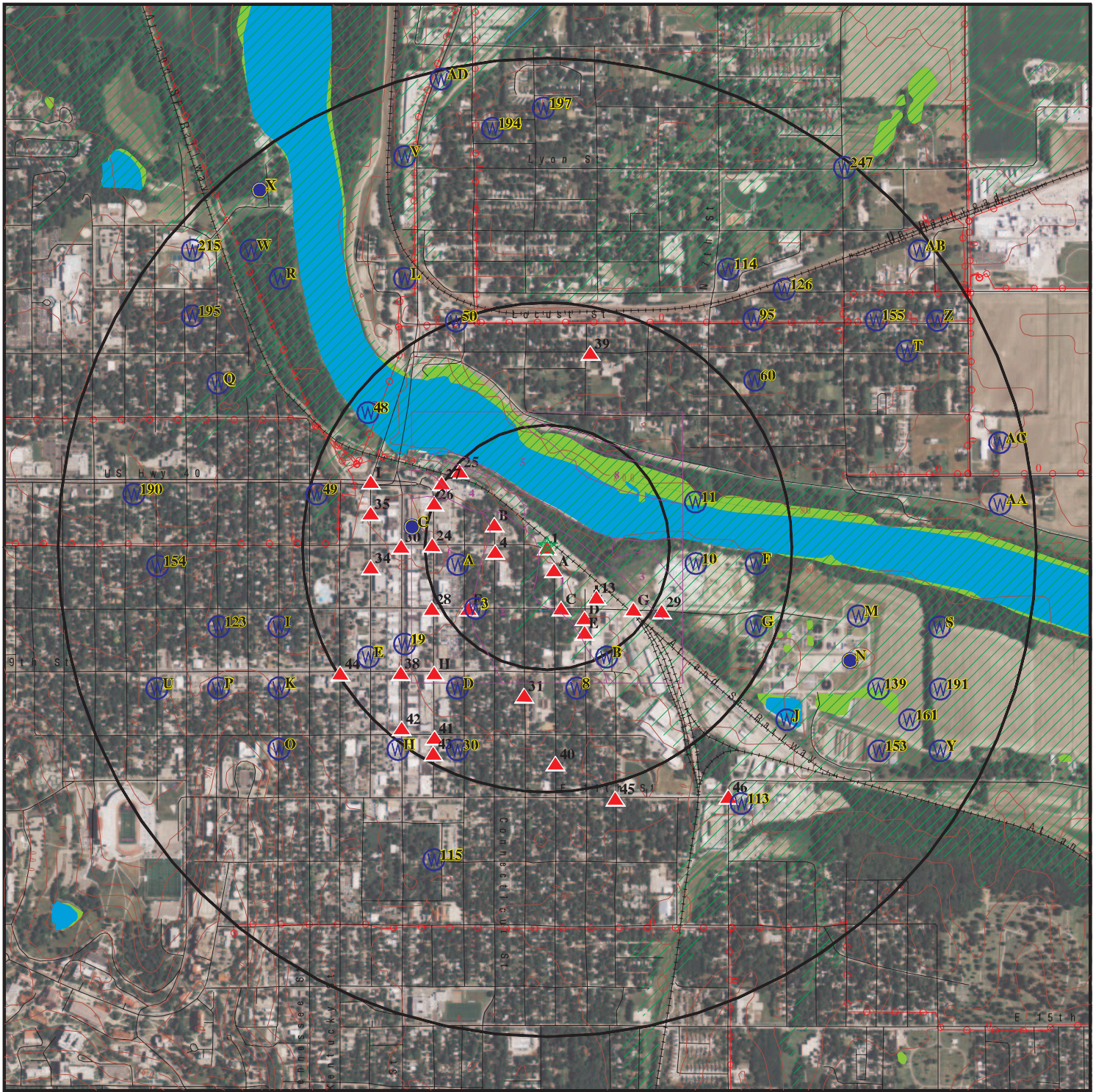
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	646 CONNECTICUT ST	WNW 0 - 1/8 (0.114 mi.)	B7	16
Not reported	630 CONNECTICUT ST	WNW 0 - 1/8 (0.117 mi.)	B9	19
Not reported	837 PENNSYLVANIA ST	SSE 1/8 - 1/4 (0.190 mi.)	E17	40
Not reported	313 E 8TH ST	SW 1/8 - 1/4 (0.204 mi.)	F20	44

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 14 records.

<u>Site Name</u>	<u>Database(s)</u>
KS DEPT OF TRANSPORTATION	UST, Financial Assurance LUST, SPILLS
SOUTHERN STAR MERCURY	SHWS, VCP
8TH & PENNSYLVANIA	SHWS
LAWRENCE CITY LANDFILL	CERC-NFRAP
CITY OF LAWRENCE	FINDS, SWF/LF
WESTAR ENERGY, INC.	SWF/LF
UNIVERSITY OF KANSAS	SWF/LF
KDOT	LUST
KERR-MCGEE	LUST
USD #497	UST
PARK HETZEL III	UST
KANSAS PUBLIC SVC LAWRENCE	RCRA NonGen / NLR, FINDS
UNION PACIFIC RAILROAD	FINDS

OVERVIEW MAP - 3723245.2s



★ 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

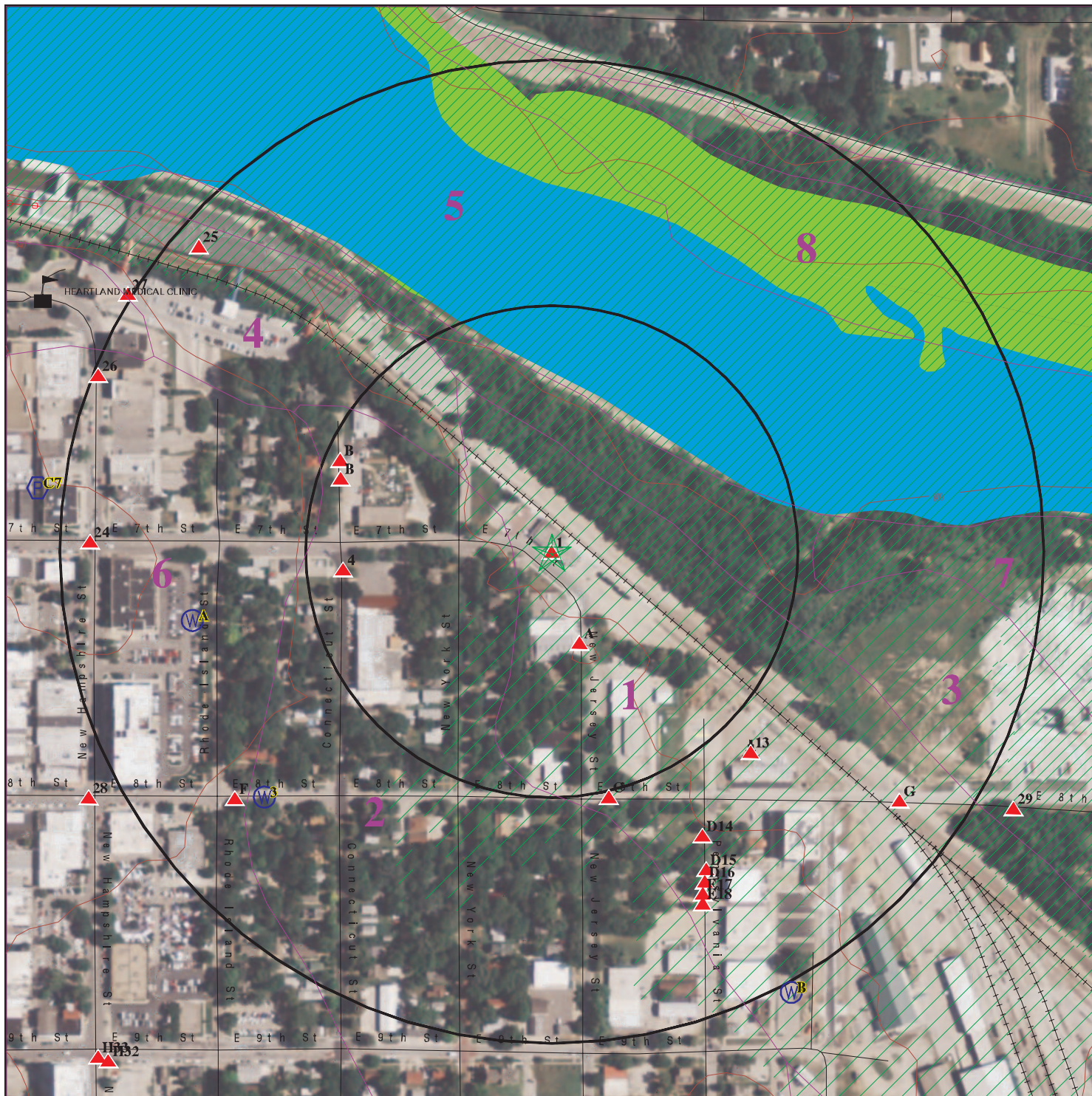


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Railroad Depot
 ADDRESS: 413 E. 7th Street
 Lawrence KS 66044
 LAT/LONG: 38.9712 / 95.2304

CLIENT: Terracon, Inc.
 CONTACT: Kendra Caspers
 INQUIRY #: 3723245.2s
 DATE: September 10, 2013 10:56 am

DETAIL MAP - 3723245.2s



- ★ 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
- ⚡ 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: Railroad Depot
 ADDRESS: 413 E. 7th Street
 Lawrence KS 66044
 LAT/LONG: 38.9712 / 95.2304

CLIENT: Terracon, Inc.
 CONTACT: Kendra Caspers
 INQUIRY #: 3723245.2s
 DATE: September 10, 2013 10:57 am

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
STANDARD ENVIRONMENTAL RECORDS								
<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	1	NR	NR	1
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		2	3	NR	NR	NR	5
<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	2	0	2	NR	4
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	1	NR	NR	1
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		2	3	16	NR	NR	21
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		1	3	NR	NR	NR	4

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST	0.250		0	1	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	1	0	NR	NR	1
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
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		2	3	NR	NR	NR	5
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		NR	NR	NR	NR	NR	0
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	1	0	0	NR	1
EDR US Hist Auto Stat	0.250		2	2	NR	NR	NR	4
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

1

Target Property 413 E. 7TH ST
 LAWRENCE, KS

SPILLS S105558090
 N/A

Actual:
 816 ft.

SPILLS:

Evacuation:	Not reported
Responders:	Not reported
Reported Cause:	equipment failure
Cause Description:	Not reported
Cleanup Description:	covered the spill with lime dust and picked up with scoop transported to Douglas County Landfill for buralother
Comments:	Not reported
Damage Description:	Not reported
Damage Number Of Deaths:	Not reported
Damage Number If Injuries:	Not reported
Property Damage > \$50,000:	Undetermined
Discovery Date:	01/16/1975
Discovery Time:	1215
Spill Date:	Not reported
Spill Time:	Not reported
Discharger Name:	Atch-Top Santa Fe Railway
Discharger Facility Id:	Not reported
Discharger Org Id:	Not reported
Discharger Organization Type:	Private Industry/Company
Discharger Phone 1:	Not reported
Discharger Ext. 1:	Not reported
Discharger Phone 2:	Not reported
Discharger Ext. 2:	Not reported
Discharger Address:	413 E. 7th St
Discharger City,State, Zip:	Lawrence, KS
Discharger Contact:	Walt Studebaker & Mr Hudiberg of Santa Fe
District:	NE
incgpssour:	Not reported
Highway Designation:	Not reported
Highway Type:	Not reported
KCC District:	Chanute
Latitude:	Not reported
Latitude min:	Not reported
Latitude sec:	Not reported
Lease Number:	Not reported
Longitude:	Not reported
Longitude min:	Not reported
Longitude sec:	Not reported
Mile Post:	Not reported
Incident Qtr1:	NE
Incident Qtr2:	Not reported
Incident Qtr3:	Not reported
Incident Qtr4:	Not reported
Incident Range:	20E
Incident Section:	31
Incident Township:	12S
Did EPA Respond?:	Yes
EPA Spill Number:	Not reported
Initial Entry By:	Debra Cortez
Initial Entry Completed:	Yes
KCC Spill Number:	Not reported
Method Receive Initial Call:	Not reported
Multiple Report:	Not reported
inircno:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S105558090

Old Spill Number:	Not reported
Reported Date:	01/17/1975
Reported Time:	0445
Incident Recorded By:	William Bryson
SSI Report:	Not reported
Spill Number:	24400
Spill Or Complaint:	Spill
Spill Stage:	Initial Assessment
Through NRC:	Unknown
Updated By:	Not reported
Investigating Agency:	KDHE
Hours Worked 1:	4
Hours Worked 2:	Not reported
Hours Worked 3:	Not reported
State Visited By KDHE?:	Yes
Investigated By 1:	William Bryson
Investigated By 2:	Not reported
Investigated By 3:	Not reported
Quantity Spilled 1:	10500
Qty Spilled Comment 1:	actual
Quantity Spilled 2:	Not reported
Qty Spilled Comment 2:	Not reported
Quantity Spilled 3:	Not reported
Qty Spilled Comment 3:	Not reported
Case Number 1:	8002059
Case Number 2:	Not reported
Case Number 3:	Not reported
Class 1:	crude oil
Class 2:	Not reported
Class 3:	Not reported
Qty Spilled In Water 1:	Not reported
Qty Spilled In Water Comment 1:	Not reported
Qty Spilled In Water 2:	Not reported
Qty Spilled In Water Comment 2:	Not reported
Qty Spilled In Water 3:	Not reported
Qty Spilled In Water Comment 3:	Not reported
Material Name 1:	crude oil
Material Name 2:	Not reported
Material Name 3:	Not reported
Qty Recovered 1:	Not reported
Qty Recovered Comment 1:	Not reported
Qty Recovered 2:	Not reported
Qty Recovered Comment 2:	Not reported
Qty Recovered 3:	Not reported
Qty Recovered Comment 2:	Not reported
Material UNDOT Number 1:	1267
Material UNDOT Number 2:	Not reported
Material UNDOT Number 3:	Not reported
Unit 1:	gallons
Unit 2:	Not reported
Unit 3:	Not reported
Media Affected:	soil
Media Waterway:	Not reported
Media Waterway Type:	Not reported
Who Notified:	Not reported
Notified:	Not reported
Spill Report:	Yes

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

S105558090

Description: Not reported
 Number Of Tanks: Not reported
 Source Of Spill: rail
 Tank Capacity: Not reported
 Tank Unit: Not reported
 Vehicle ID: Not reported
 "Follow-up Required: No
 Response Required By: Not reported
Close Date: 01/17/1975
 Status: Closed

A2
SSE
 < 1/8
 0.048 mi.
 255 ft.

VENTURE PROPERTIES
715 NEW JERSEY
LAWRENCE, KS 66044
 Site 1 of 2 in cluster A

LUST S106531529
N/A

Relative:
Higher

LUST:

Facility ID: 82505
Site Status: Closed
 Release Date: Not reported
 Initial Report Date: 01/06/2004
 Project Number: U4-023-13489
 Project Name: Venture Properties
 Legal Desc Section: 31
 Legal Desc Township: 12S
 Legal Desc Range: 20E
 Initial Ranking: Not reported
 Current Ranking: Not reported
 Facility Contact: Not reported
 Facility Phone Number: Not reported
 Facility Owner Identification number: 82505
 Facility Owner: Venture Properties
 Owner Contact Person: Steve Schwada
 Owner Address: P.O. Box 628
 Owner City: Lawrence
 Owner State: KS
 Owner Zip Code: 66044
 Owner Phone number: 785-842-4455
 Contractor license number: Not reported
 Contractor phone number: 785-233-1414
 Leak duration (if known): Not reported
 Quantity released (if known): Not reported
 Quantity recorded: Not reported
 Leak Type: Not reported
 Reported By: Not reported
 Reported by persons phone number: Not reported
 Reported by person address: Not reported
 Ground water Impacted (yes/no): Tight brown clay.
 Static groundwater level: Not reported
 Groundwater flow direction: Not reported
 District staff names: Meredith Roth
 Assessment of release: No known or reported releases associated with this UST.
 Contamination assesement: This is the only UST present at this site.
 Extent of contamination impact: No groundwater encountered in this excavation. No suspected groundwater contamination.
 Updated information: The product lines were within the tank excavation.
 Invoice initiated: 20042

Actual:
820 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VENTURE PROPERTIES (Continued)

S106531529

Invoice on going: Not reported
Invoice completed: 20042
Release confirmed: Not reported
Emergency contact: Not reported
Enforcement action: Not reported
Cost recovery: Not reported
Cost recovery initiated: Not reported
Cost recovery initiated by: Not reported
Cost recovery completed: Not reported
Cost recovery completed by: Not reported
Application to trust fund: Not reported

**A3
SSE
< 1/8
0.050 mi.
265 ft.**

**SUN CREATIONS
717 NEW JERSEY
LAWRENCE, KS**

**RCRA NonGen / NLR 1001487749
FINDS KSR000012716**

Site 2 of 2 in cluster A

**Relative:
Higher**

RCRA NonGen / NLR:

**Actual:
820 ft.**

Date form received by agency: 01/27/2003
Facility name: SUN CREATIONS
Facility address: 717 NEW JERSEY
LAWRENCE, KS 66044
EPA ID: KSR000012716
Mailing address: NEW JERSEY
LAWRENCE, KS 66044
Contact: JUSTIN CROCKET
Contact address: 717 NEW JERSEY
LAWRENCE, KS 66044
Contact country: US
Contact telephone: (785) 830-0403
Contact email: Not reported
EPA Region: 07
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: MATT LOMSCHEK
Owner/operator address: 717 NEW JERSEY
LAWRENCE, KS 66044
Owner/operator country: Not reported
Owner/operator telephone: (785) 830-0403
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUN CREATIONS (Continued)

1001487749

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 06/14/1999
Facility name: SUN CREATIONS
Classification: Small Quantity Generator

Hazardous Waste Summary:

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

Waste code: D018
Waste name: BENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110003212657

Environmental Interest/Information System

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

4
West
< 1/8
0.106 mi.
562 ft.

PUROZONE CHEMICAL CO INC
708-18 CONNECTICUT (A)
LAWRENCE, KS 66044

RCRA NonGen / NLR 1004501408
KSD007124514

Relative:
Higher

RCRA NonGen / NLR:
Date form received by agency: 01/01/1980
Facility name: PUROZONE CHEMICAL CO INC
Facility address: 708-18 CONNECTICUT (A)
LAWRENCE, KS 66044

Actual:
831 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PUROZONE CHEMICAL CO INC (Continued)

1004501408

EPA ID: KSD007124514
Mailing address: PO BOX 727
LAWRENCE, KS 66044
Contact: UNKNOWN UNKNOWN
Contact address: PO BOX 727
LAWRENCE, KS 66044
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 07
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: PUR-O-ZONE CHEMICAL CO INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Violation Status: No violations found

B5
WNW
< 1/8
0.114 mi.
600 ft.

MIKES BODY SHOP
646 CONNECTICUT
LAWRENCE, KS 66044
Site 1 of 5 in cluster B

RCRA-CESQG 1004704394
FINDS KSD984970079

Relative:
Higher

RCRA-CESQG:
Date form received by agency: 10/11/1989
Facility name: MIKES BODY SHOP
Facility address: 646 CONNECTICUT
LAWRENCE, KS 66044
EPA ID: KSD984970079
Mailing address: CONNECTICUT
LAWRENCE, KS 66044
Contact: MIKE LEMMONS

Actual:
832 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIKES BODY SHOP (Continued)

1004704394

Contact address: 646 CONNECTICUT
LAWRENCE, KS 66044

Contact country: US

Contact telephone: (785) 865-5235

Contact email: Not reported

EPA Region: 07

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: MIKE LEMMONS

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIKES BODY SHOP (Continued)

1004704394

WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110003185384

Environmental Interest/Information System

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

**B6
WNW
< 1/8
0.114 mi.
600 ft.**

**BANNING SALES & SERVICE
646 CONNECTICUT STREET
LAWRENCE, KS 66041**

**LUST U000196561
UST N/A**

Site 2 of 5 in cluster B

**Relative:
Higher**

LUST:

Facility ID: 06678
Site Status: Closed
Release Date: Not reported
Initial Report Date: 03/29/1991
Project Number: U4-023-00895
Project Name: Banning Sales & Service, Lawrence, 646 C
Legal Desc Section: 31
Legal Desc Township: 12S
Legal Desc Range: 20E
Initial Ranking: Not reported
Current Ranking: Not reported

**Actual:
832 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BANNING SALES & SERVICE (Continued)

U000196561

Facility Contact: Bruce Banning
Facility Phone Number: 785-842-0712
Facility Owner Identification number: 06678
Facility Owner: Not reported
Owner Contact Person: Not reported
Owner Address: Not reported
Owner City: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Phone number: Not reported
Contractor license number: Not reported
Contractor phone number: 785-843-5685
Leak duration (if known): Not reported
Quantity released (if known): Not reported
Quantity recorded: Not reported
Leak Type: Spill/Overfill
Reported By: Dan Kellerman
Reported by persons phone number: Not reported
Reported by person address: Nedo
Ground water Impacted (yes/no): silty clays to fine sand. gw ~15-20'.kaw river alluvium below floodplain.
Static groundwater level: Not reported
Groundwater flow direction: Not reported
District staff names: Dan Kellerman
Assessment of release: tank removed march 1989 w/ no kdhe oversight. tank (8000 gal diesel) was removed prior to contractor licensing requirement. owner agreed to perform soil boring. observed soil borings. slight odor, but no heavy staining observed in fill. (more
Contamination assesement: no other tanks exist at this site according to bruce banner.
Extent of contamination impact: none expected. auger boring completed to 9' where odor was barely detectable.
Updated information: Not reported
Invoice initiated: 19913
Invoice on going: Not reported
Invoic completetd: 19913
Release confirmed: Not reported
Emergency contact: Not reported
Enforcement action: Not reported
Cost recovery: Not reported
Cost recovery initiated: Not reported
Cost recovery initiated by: Not reported
Cost recovery completed: Not reported
Cost recovery completed by: Not reported
Application to trust fund: Not reported

UST:

Facility ID: 06678
Facility 911 Address: 646 CONNECTICUT
Facility 911 City, State, Zip: LAWRENCE, KS 66044
Facility Phone: 785-842-0712
Phone 24 Hours: 785-842-0712
Facility District: NE
Facility Location Method: Garmin GPS III Plus
Facility Feature: Facility Center
Facility Datum: WGS84
Facility Lat/Long: 38.97160999999998/-95.23232000000001
Owner ID: 06678

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BANNING SALES & SERVICE (Continued)

U000196561

Owner: BANNING SALES AND SERVICE
Owner Type: Private Or Corp.
Owner/Rep Name: B. & C. Banning
Owner/Rep Title: Owners
Owner Address: P.O. BOX 96
Owner City, State, Zip: LAWRENCE, KS 66044
Owner County: DOUGLAS
Contact: B. & C. Banning
Contact Title: Owners

Tank ID: 001
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 8000
Hazards: Not reported
Petroleum Substance: Diesel
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1968
Date Removed: 12/15/1989
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 121989
Material of Construction: Steel
Piping: Unknown
Tank Internal Protection: Unknown
Tank External Protection: Unknown

B7
WNW
< 1/8
0.114 mi.
600 ft.

646 CONNECTICUT ST
LAWRENCE, KS 66044

Site 3 of 5 in cluster B

EDR US Hist Auto Stat 1015589428
N/A

Relative:
Higher

EDR Historical Auto Stations:

Actual:
832 ft.

Name: PEARSON COLLISION REPAIR
Year: 1999
Address: 646 CONNECTICUT ST

Name: PEARSON COLLISION REPAIR
Year: 2000
Address: 646 CONNECTICUT ST

Name: PEARSON COLLISION REPAIR
Year: 2002
Address: 646 CONNECTICUT ST

Name: PEARSON COLLISION REPAIR
Year: 2005
Address: 646 CONNECTICUT ST

Name: PEARSON COLLISION REPAIR
Year: 2008
Address: 646 CONNECTICUT ST

Name: PEARSON COLLISION REPAIR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1015589428

Year: 2009
Address: 646 CONNECTICUT ST

Name: PEARSON COLLISION REPAIR
Year: 2010
Address: 646 CONNECTICUT ST

Name: PEARSON COLLISION REPAIR INC
Year: 2011
Address: 646 CONNECTICUT ST

Name: PEARSON COLLISION REPAIR INC
Year: 2012
Address: 646 CONNECTICUT ST

B8
WNW
< 1/8
0.117 mi.
619 ft.

DALE & RONS AUTO SVC
630 CONNECTICUT
LAWRENCE, KS
Site 4 of 5 in cluster B

RCRA-CESQG 1000195252
FINDS KSD087769634

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 01/19/1994
Facility name: DALE & RONS AUTO SVC
Facility address: 630 CONNECTICUT
LAWRENCE, KS 66044
EPA ID: KSD087769634
Mailing address: CONNECTICUT
LAWRENCE, KS 66044
Contact: RON COFFMAN
Contact address: 630 CONNECTICUT
LAWRENCE, KS 66044
Contact country: US
Contact telephone: (785) 842-2108
Contact email: Not reported
EPA Region: 07
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Actual:
831 ft.

Owner/Operator Summary:

Owner/operator name: RON COFFMAN
Owner/operator address: 630 CONNECTICUT ST
LAWRENCE, KS 66044

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DALE & RONS AUTO SVC (Continued)

1000195252

Owner/operator country: Not reported
Owner/operator telephone: (785) 842-1713
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Hazardous Waste Summary:

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

Facility Has Received Notices of Violations:

Regulation violated: SR - KAR 28 31 4 c 1
Area of violation: Generators - General
Date violation determined: 01/10/1994
Date achieved compliance: 01/16/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/10/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 01/19/1994
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DALE & RONS AUTO SVC (Continued)

1000195252

Evaluation date: 01/10/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/16/1994
Evaluation lead agency: State

FINDS:

Registry ID: 110003162568

Environmental Interest/Information System

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

B9
WNW
< 1/8
0.117 mi.
619 ft.

630 CONNECTICUT ST
LAWRENCE, KS 66044
Site 5 of 5 in cluster B

EDR US Hist Auto Stat 1015583513
N/A

Relative:
Higher

EDR Historical Auto Stations:

Actual:
831 ft.

Name: DALE AND RONS AUTOSERVICE
Year: 2000
Address: 630 CONNECTICUT ST

Name: DALE & RONS AUTO SERVICE
Year: 2003
Address: 630 CONNECTICUT ST

Name: DALE & RONS AUTO SERVICE
Year: 2004
Address: 630 CONNECTICUT ST

Name: DALE & RONS AUTO SERVICE
Year: 2007
Address: 630 CONNECTICUT ST

Name: DALE & RONS AUTO SERVICE
Year: 2008
Address: 630 CONNECTICUT ST

Name: DALE & RONS AUTO SVC
Year: 2010
Address: 630 CONNECTICUT ST

Name: DALE & RONS AUTO SERVICE
Year: 2011
Address: 630 CONNECTICUT ST

Name: DALE & RONS AUTO SERVICE
Year: 2012
Address: 630 CONNECTICUT ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C10
SSE
1/8-1/4
0.128 mi.
676 ft.

AQUILA INC
620 E 8TH ST
LAWRENCE, KS 66044

RCRA NonGen / NLR **1010784417**
KSR000507095

Site 1 of 3 in cluster C

Relative:
Higher

RCRA NonGen / NLR:

Actual:
821 ft.

Date form received by agency: 02/26/2008
Facility name: AQUILA INC
Facility address: 620 E 8TH ST
LAWRENCE, KS 66044
EPA ID: KSR000507095
Mailing address: E 9TH ST
LAWRENCE, KS 66044
Contact: TOMMY JOHNSON
Contact address: E 9TH ST
LAWRENCE, KS 66044
Contact country: US
Contact telephone: (785) 832-3943
Contact email: TOMMY.JOHNSON@AQUILA.COM
EPA Region: 07
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: AQUILA INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/11/2008
Owner/Op end date: Not reported

Owner/operator name: AQUILA INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/11/2008
Owner/Op end date: Not reported

Handler Activities Summary:

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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AQUILA INC (Continued)

1010784417

Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 02/11/2008
 Facility name: AQUILA INC
 Classification: Small Quantity Generator

Hazardous Waste Summary:

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

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

Violation Status: No violations found

C11
 SSE
 1/8-1/4
 0.128 mi.
 676 ft.

KANSAS PUBLIC SERVICE (FORMER LAWRENCE MFCTD GAS)
620 E. 8TH STREET
LAWRENCE, KS 66044

SHWS S110122022
INST CONTROL N/A

Site 2 of 3 in cluster C

**Relative:
 Higher**

SHWS:
 Site ID: 856
 Has Env Use Control: Yes
 Project code: C402303005
 PM Name: ALLER, S.
Site Status: Resolved with restrictions
 District Office: NEDO
 Lat/Long: 38.96973 / -95.22851
 River Basin: KS - Lower Republican
 Aquifer Yield: Alluvial
 Other Aquifers: Not reported
 Parent PC: Not reported
 Parent Name: Not reported
 CERCLIS ID: Not reported
 Discovery Date: 09/01/1992
 Depth To GW: 11-20 feet
 Depth To Bedrock: 51-100 feet
 Aquifer Yield: 101-500 gpm
 GW Flow Direction: NE
 Acres Affected: <5 acres
 Waste Present: No
 Product Present: No

**Actual:
 821 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KANSAS PUBLIC SERVICE (FORMER LAWRENCE MFCTD GAS) (Continued)

S110122022

Program: State Cooperative
Lead Agency: BER - Remedial
Contaminants: Heavy Metal, SVOC, VOC, Other (see Site Narrative)
Media Act: Soil
Media Pot: Ground Water
Source: Facility Operations
Land Use: Commercial, Industrial, Residential
Private well: Not reported
Waste Present: Not reported
Product: Not reported
Receptor Act: Not reported
Receptor Pot: Not reported
Remed Air: Not reported
Remed Soil: Off-Site Disposal
Remed Water: Post Monitoring
Remedir: Not reported
Alias: FMGP - LAWRENCE; LAWRENCE MANUFACTURED GAS PLANT
Eucan Number: Not reported
Date: 12/17/1999
Activity Type: Preliminary Assessment (PA)
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 09/01/1992
Narrative: The site is an approximately one acre lot in Lawrence, Kansas near the intersection of 8th and Pennsylvania owned and operated by Aquila (now Black Hills Corporation) as a warehouse and storage yard. The site was operated as a manufactured gas plant from 1869 through 1905. Contamination at the site was discovered during a Preliminary Assessment (PA) conducted by Burns and McDonnell in September 1992. On August 20, 1993, Kansas Public Service entered into a consent agreement (Case Order No. 93-E-216) to investigate the contamination. Volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs) were identified in the soil. Minimal contamination was identified in the groundwater. A Corrective Action Decision (CAD) was declared on July 19, 1995 and included removal of material associated with a former tar well, long term institutional controls restricting use of the land, and installation of one monitoring well to be sampled semi-annually for two years to confirm no releases to groundwater from the site. Institutional controls were recorded in December 1999 in the form of a Restrictive Covenant. The Corrective Action was completed at the end of 1999. The site was closed in June 2000. The Kansas Department of Health and Environment conducts periodic inspections of the property to verify compliance with the Restrictive Covenant. The latest inspection of the site conducted in April 2012 noted compliance with the Restrictive Covenant.

Site ID: 856
Has Env Use Control: Yes
Project code: C402303005
PM Name: ALLER, S.
Site Status: Resolved with restrictions
District Office: NEDO
Lat/Long: 38.96973 / -95.22851
River Basin: KS - Lower Republican
Aquifer Yield: Alluvial
Other Aquifers: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KANSAS PUBLIC SERVICE (FORMER LAWRENCE MFCTD GAS) (Continued)

S110122022

Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: Not reported
Discovery Date: 09/01/1992
Depth To GW: 11-20 feet
Depth To Bedrock: 51-100 feet
Aquifer Yield: 101-500 gpm
GW Flow Direction: NE
Acres Affected: <5 acres
Waste Present: No
Product Present: No
Program: State Cooperative
Lead Agency: BER - Remedial
Contaminants: Heavy Metal, SVOC, VOC, Other (see Site Narrative)
Media Act: Soil
Media Pot: Ground Water
Source: Facility Operations
Land Use: Commercial, Industrial, Residential
Private well: Not reported
Waste Present: Not reported
Product: Not reported
Receptor Act: Not reported
Receptor Pot: Not reported
Remed Air: Not reported
Remed Soil: Off-Site Disposal
Remed Water: Post Monitoring
Remedir: Not reported
Alias: FMGP - LAWRENCE; LAWRENCE MANUFACTURED GAS PLANT
Eucan Number: Not reported
Date: 12/17/1999
Activity Type: Consent Order
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 03/30/1994
Narrative: The site is an approximately one acre lot in Lawrence, Kansas near the intersection of 8th and Pennsylvania owned and operated by Aquila (now Black Hills Corporation) as a warehouse and storage yard. The site was operated as a manufactured gas plant from 1869 through 1905. Contamination at the site was discovered during a Preliminary Assessment (PA) conducted by Burns and McDonnell in September 1992. On August 20, 1993, Kansas Public Service entered into a consent agreement (Case Order No. 93-E-216) to investigate the contamination. Volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs) were identified in the soil. Minimal contamination was identified in the groundwater. A Corrective Action Decision (CAD) was declared on July 19, 1995 and included removal of material associated with a former tar well, long term institutional controls restricting use of the land, and installation of one monitoring well to be sampled semi-annually for two years to confirm no releases to groundwater from the site. Institutional controls were recorded in December 1999 in the form of a Restrictive Covenant. The Corrective Action was completed at the end of 1999. The site was closed in June 2000. The Kansas Department of Health and Environment conducts periodic inspections of the property to verify compliance with the Restrictive Covenant. The latest inspection of the site conducted in April 2012 noted compliance with the Restrictive Covenant.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KANSAS PUBLIC SERVICE (FORMER LAWRENCE MFCTD GAS) (Continued)

S110122022

Site ID: 856
Has Env Use Control: Yes
Project code: C402303005
PM Name: ALLER, S.
Site Status: Resolved with restrictions
District Office: NEDO
Lat/Long: 38.96973 / -95.22851
River Basin: KS - Lower Republican
Aquifer Yield: Alluvial
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: Not reported
Discovery Date: 09/01/1992
Depth To GW: 11-20 feet
Depth To Bedrock: 51-100 feet
Aquifer Yield: 101-500 gpm
GW Flow Direction: NE
Acres Affected: <5 acres
Waste Present: No
Product Present: No
Program: State Cooperative
Lead Agency: BER - Remedial
Contaminants: Heavy Metal, SVOC, VOC, Other (see Site Narrative)
Media Act: Soil
Media Pot: Ground Water
Source: Facility Operations
Land Use: Commercial, Industrial, Residential
Private well: Not reported
Waste Present: Not reported
Product: Not reported
Receptor Act: Not reported
Receptor Pot: Not reported
Remed Air: Not reported
Remed Soil: Off-Site Disposal
Remed Water: Post Monitoring
Remedir: Not reported
Alias: FMGP - LAWRENCE; LAWRENCE MANUFACTURED GAS PLANT
Eucan Number: Not reported
Date: 12/17/1999
Activity Type: Site Inspection
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 01/31/1995
Narrative: The site is an approximately one acre lot in Lawrence, Kansas near the intersection of 8th and Pennsylvania owned and operated by Aquila (now Black Hills Corporation) as a warehouse and storage yard. The site was operated as a manufactured gas plant from 1869 through 1905. Contamination at the site was discovered during a Preliminary Assessment (PA) conducted by Burns and McDonnell in September 1992. On August 20, 1993, Kansas Public Service entered into a consent agreement (Case Order No. 93-E-216) to investigate the contamination. Volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs) were identified in the soil. Minimal contamination was identified in the groundwater. A Corrective Action Decision (CAD) was declared on July 19, 1995 and included removal of material associated with a former tar well, long term institutional

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KANSAS PUBLIC SERVICE (FORMER LAWRENCE MFCTD GAS) (Continued)

S110122022

controls restricting use of the land, and installation of one monitoring well to be sampled semi-annually for two years to confirm no releases to groundwater from the site. Institutional controls were recorded in December 1999 in the form of a Restrictive Covenant. The Corrective Action was completed at the end of 1999. The site was closed in June 2000. The Kansas Department of Health and Environment conducts periodic inspections of the property to verify compliance with the Restrictive Covenant. The latest inspection of the site conducted in April 2012 noted compliance with the Restrictive Covenant.

Site ID: 856
Has Env Use Control: Yes
Project code: C402303005
PM Name: ALLER, S.
Site Status: Resolved with restrictions
District Office: NEDO
Lat/Long: 38.96973 / -95.22851
River Basin: KS - Lower Republican
Aquifer Yield: Alluvial
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: Not reported
Discovery Date: 09/01/1992
Depth To GW: 11-20 feet
Depth To Bedrock: 51-100 feet
Aquifer Yield: 101-500 gpm
GW Flow Direction: NE
Acres Affected: <5 acres
Waste Present: No
Product Present: No
Program: State Cooperative
Lead Agency: BER - Remedial
Contaminants: Heavy Metal, SVOC, VOC, Other (see Site Narrative)
Media Act: Soil
Media Pot: Ground Water
Source: Facility Operations
Land Use: Commercial, Industrial, Residential
Private well: Not reported
Waste Present: Not reported
Product: Not reported
Receptor Act: Not reported
Receptor Pot: Not reported
Remed Air: Not reported
Remed Soil: Off-Site Disposal
Remed Water: Post Monitoring
Remedir: Not reported
Alias: FMGP - LAWRENCE; LAWRENCE MANUFACTURED GAS PLANT
Eucan Number: Not reported
Date: 12/17/1999
Activity Type: Feasibility Study
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 01/31/1995
Narrative: The site is an approximately one acre lot in Lawrence, Kansas near the intersection of 8th and Pennsylvania owned and operated by Aquila

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KANSAS PUBLIC SERVICE (FORMER LAWRENCE MFCTD GAS) (Continued)

S110122022

(now Black Hills Corporation) as a warehouse and storage yard. The site was operated as a manufactured gas plant from 1869 through 1905. Contamination at the site was discovered during a Preliminary Assessment (PA) conducted by Burns and McDonnell in September 1992. On August 20, 1993, Kansas Public Service entered into a consent agreement (Case Order No. 93-E-216) to investigate the contamination. Volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs) were identified in the soil. Minimal contamination was identified in the groundwater. A Corrective Action Decision (CAD) was declared on July 19, 1995 and included removal of material associated with a former tar well, long term institutional controls restricting use of the land, and installation of one monitoring well to be sampled semi-annually for two years to confirm no releases to groundwater from the site. Institutional controls were recorded in December 1999 in the form of a Restrictive Covenant. The Corrective Action was completed at the end of 1999. The site was closed in June 2000. The Kansas Department of Health and Environment conducts periodic inspections of the property to verify compliance with the Restrictive Covenant. The latest inspection of the site conducted in April 2012 noted compliance with the Restrictive Covenant.

Site ID: 856
Has Env Use Control: Yes
Project code: C402303005
PM Name: ALLER, S.
Site Status: Resolved with restrictions
District Office: NEDO
Lat/Long: 38.96973 / -95.22851
River Basin: KS - Lower Republican
Aquifer Yield: Alluvial
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: Not reported
Discovery Date: 09/01/1992
Depth To GW: 11-20 feet
Depth To Bedrock: 51-100 feet
Aquifer Yield: 101-500 gpm
GW Flow Direction: NE
Acres Affected: <5 acres
Waste Present: No
Product Present: No
Program: State Cooperative
Lead Agency: BER - Remedial
Contaminants: Heavy Metal, SVOC, VOC, Other (see Site Narrative)
Media Act: Soil
Media Pot: Ground Water
Source: Facility Operations
Land Use: Commercial, Industrial, Residential
Private well: Not reported
Waste Present: Not reported
Product: Not reported
Receptor Act: Not reported
Receptor Pot: Not reported
Remed Air: Not reported
Remed Soil: Off-Site Disposal

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KANSAS PUBLIC SERVICE (FORMER LAWRENCE MFCTD GAS) (Continued)

S110122022

Remed Water: Post Monitoring
Remedir: Not reported
Alias: FMGP - LAWRENCE; LAWRENCE MANUFACTURED GAS PLANT
Eucan Number: Not reported
Date: 12/17/1999
Activity Type: Corrective Action Decision
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 07/19/1995
Narrative:

The site is an approximately one acre lot in Lawrence, Kansas near the intersection of 8th and Pennsylvania owned and operated by Aquila (now Black Hills Corporation) as a warehouse and storage yard. The site was operated as a manufactured gas plant from 1869 through 1905. Contamination at the site was discovered during a Preliminary Assessment (PA) conducted by Burns and McDonnell in September 1992. On August 20, 1993, Kansas Public Service entered into a consent agreement (Case Order No. 93-E-216) to investigate the contamination. Volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs) were identified in the soil. Minimal contamination was identified in the groundwater. A Corrective Action Decision (CAD) was declared on July 19, 1995 and included removal of material associated with a former tar well, long term institutional controls restricting use of the land, and installation of one monitoring well to be sampled semi-annually for two years to confirm no releases to groundwater from the site. Institutional controls were recorded in December 1999 in the form of a Restrictive Covenant. The Corrective Action was completed at the end of 1999. The site was closed in June 2000. The Kansas Department of Health and Environment conducts periodic inspections of the property to verify compliance with the Restrictive Covenant. The latest inspection of the site conducted in April 2012 noted compliance with the Restrictive Covenant.

Site ID: 856
Has Env Use Control: Yes
Project code: C402303005
PM Name: ALLER, S.
Site Status: Resolved with restrictions
District Office: NEDO
Lat/Long: 38.96973 / -95.22851
River Basin: KS - Lower Republican
Aquifer Yield: Alluvial
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: Not reported
Discovery Date: 09/01/1992
Depth To GW: 11-20 feet
Depth To Bedrock: 51-100 feet
Aquifer Yield: 101-500 gpm
GW Flow Direction: NE
Acres Affected: <5 acres
Waste Present: No
Product Present: No
Program: State Cooperative
Lead Agency: BER - Remedial
Contaminants: Heavy Metal, SVOC, VOC, Other (see Site Narrative)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KANSAS PUBLIC SERVICE (FORMER LAWRENCE MFCTD GAS) (Continued)

S110122022

Media Act: Soil
Media Pot: Ground Water
Source: Facility Operations
Land Use: Commercial, Industrial, Residential
Private well: Not reported
Waste Present: Not reported
Product: Not reported
Receptor Act: Not reported
Receptor Pot: Not reported
Remed Air: Not reported
Remed Soil: Off-Site Disposal
Remed Water: Post Monitoring
Remedir: Not reported
Alias: FMGP - LAWRENCE; LAWRENCE MANUFACTURED GAS PLANT
Eucan Number: Not reported
Date: 12/17/1999
Activity Type: Consent Order
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 06/24/1997
Narrative: The site is an approximately one acre lot in Lawrence, Kansas near the intersection of 8th and Pennsylvania owned and operated by Aquila (now Black Hills Corporation) as a warehouse and storage yard. The site was operated as a manufactured gas plant from 1869 through 1905. Contamination at the site was discovered during a Preliminary Assessment (PA) conducted by Burns and McDonnell in September 1992. On August 20, 1993, Kansas Public Service entered into a consent agreement (Case Order No. 93-E-216) to investigate the contamination. Volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs) were identified in the soil. Minimal contamination was identified in the groundwater. A Corrective Action Decision (CAD) was declared on July 19, 1995 and included removal of material associated with a former tar well, long term institutional controls restricting use of the land, and installation of one monitoring well to be sampled semi-annually for two years to confirm no releases to groundwater from the site. Institutional controls were recorded in December 1999 in the form of a Restrictive Covenant. The Corrective Action was completed at the end of 1999. The site was closed in June 2000. The Kansas Department of Health and Environment conducts periodic inspections of the property to verify compliance with the Restrictive Covenant. The latest inspection of the site conducted in April 2012 noted compliance with the Restrictive Covenant.

Site ID: 856
Has Env Use Control: Yes
Project code: C402303005
PM Name: ALLER, S.
Site Status: Resolved with restrictions
District Office: NEDO
Lat/Long: 38.96973 / -95.22851
River Basin: KS - Lower Republican
Aquifer Yield: Alluvial
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KANSAS PUBLIC SERVICE (FORMER LAWRENCE MFCTD GAS) (Continued)

S110122022

Discovery Date: 09/01/1992
Depth To GW: 11-20 feet
Depth To Bedrock: 51-100 feet
Aquifer Yield: 101-500 gpm
GW Flow Direction: NE
Acres Affected: <5 acres
Waste Present: No
Product Present: No
Program: State Cooperative
Lead Agency: BER - Remedial
Contaminants: Heavy Metal, SVOC, VOC, Other (see Site Narrative)
Media Act: Soil
Media Pot: Ground Water
Source: Facility Operations
Land Use: Commercial, Industrial, Residential
Private well: Not reported
Waste Present: Not reported
Product: Not reported
Receptor Act: Not reported
Receptor Pot: Not reported
Remed Air: Not reported
Remed Soil: Off-Site Disposal
Remed Water: Post Monitoring
Remedir: Not reported
Alias: FMGP - LAWRENCE; LAWRENCE MANUFACTURED GAS PLANT
Eucan Number: Not reported
Date: 12/17/1999
Activity Type: Corrective Action Plan
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 09/01/1997
Narrative: The site is an approximately one acre lot in Lawrence, Kansas near the intersection of 8th and Pennsylvania owned and operated by Aquila (now Black Hills Corporation) as a warehouse and storage yard. The site was operated as a manufactured gas plant from 1869 through 1905. Contamination at the site was discovered during a Preliminary Assessment (PA) conducted by Burns and McDonnell in September 1992. On August 20, 1993, Kansas Public Service entered into a consent agreement (Case Order No. 93-E-216) to investigate the contamination. Volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs) were identified in the soil. Minimal contamination was identified in the groundwater. A Corrective Action Decision (CAD) was declared on July 19, 1995 and included removal of material associated with a former tar well, long term institutional controls restricting use of the land, and installation of one monitoring well to be sampled semi-annually for two years to confirm no releases to groundwater from the site. Institutional controls were recorded in December 1999 in the form of a Restrictive Covenant. The Corrective Action was completed at the end of 1999. The site was closed in June 2000. The Kansas Department of Health and Environment conducts periodic inspections of the property to verify compliance with the Restrictive Covenant. The latest inspection of the site conducted in April 2012 noted compliance with the Restrictive Covenant.

Site ID: 856
Has Env Use Control: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KANSAS PUBLIC SERVICE (FORMER LAWRENCE MFCTD GAS) (Continued)

S110122022

Project code: C402303005
PM Name: ALLER, S.
Site Status: Resolved with restrictions
District Office: NEDO
Lat/Long: 38.96973 / -95.22851
River Basin: KS - Lower Republican
Aquifer Yield: Alluvial
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: Not reported
Discovery Date: 09/01/1992
Depth To GW: 11-20 feet
Depth To Bedrock: 51-100 feet
Aquifer Yield: 101-500 gpm
GW Flow Direction: NE
Acres Affected: <5 acres
Waste Present: No
Product Present: No
Program: State Cooperative
Lead Agency: BER - Remedial
Contaminants: Heavy Metal, SVOC, VOC, Other (see Site Narrative)
Media Act: Soil
Media Pot: Ground Water
Source: Facility Operations
Land Use: Commercial, Industrial, Residential
Private well: Not reported
Waste Present: Not reported
Product: Not reported
Receptor Act: Not reported
Receptor Pot: Not reported
Remed Air: Not reported
Remed Soil: Off-Site Disposal
Remed Water: Post Monitoring
Remedir: Not reported
Alias: FMGP - LAWRENCE; LAWRENCE MANUFACTURED GAS PLANT
Eucan Number: Not reported
Date: 12/17/1999
Activity Type: Corrective Action
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 12/31/1999
Narrative: The site is an approximately one acre lot in Lawrence, Kansas near the intersection of 8th and Pennsylvania owned and operated by Aquila (now Black Hills Corporation) as a warehouse and storage yard. The site was operated as a manufactured gas plant from 1869 through 1905. Contamination at the site was discovered during a Preliminary Assessment (PA) conducted by Burns and McDonnell in September 1992. On August 20, 1993, Kansas Public Service entered into a consent agreement (Case Order No. 93-E-216) to investigate the contamination. Volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs) were identified in the soil. Minimal contamination was identified in the groundwater. A Corrective Action Decision (CAD) was declared on July 19, 1995 and included removal of material associated with a former tar well, long term institutional controls restricting use of the land, and installation of one monitoring well to be sampled semi-annually for two years to confirm

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KANSAS PUBLIC SERVICE (FORMER LAWRENCE MFCTD GAS) (Continued)

S110122022

no releases to groundwater from the site. Institutional controls were recorded in December 1999 in the form of a Restrictive Covenant. The Corrective Action was completed at the end of 1999. The site was closed in June 2000. The Kansas Department of Health and Environment conducts periodic inspections of the property to verify compliance with the Restrictive Covenant. The latest inspection of the site conducted in April 2012 noted compliance with the Restrictive Covenant.

Site ID: 856
Has Env Use Control: Yes
Project code: C402303005
PM Name: ALLER, S.
Site Status: Resolved with restrictions
District Office: NEDO
Lat/Long: 38.96973 / -95.22851
River Basin: KS - Lower Republican
Aquifer Yield: Alluvial
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: Not reported
Discovery Date: 09/01/1992
Depth To GW: 11-20 feet
Depth To Bedrock: 51-100 feet
Aquifer Yield: 101-500 gpm
GW Flow Direction: NE
Acres Affected: <5 acres
Waste Present: No
Product Present: No
Program: State Cooperative
Lead Agency: BER - Remedial
Contaminants: Heavy Metal, SVOC, VOC, Other (see Site Narrative)
Media Act: Soil
Media Pot: Ground Water
Source: Facility Operations
Land Use: Commercial, Industrial, Residential
Private well: Not reported
Waste Present: Not reported
Product: Not reported
Receptor Act: Not reported
Receptor Pot: Not reported
Remed Air: Not reported
Remed Soil: Off-Site Disposal
Remed Water: Post Monitoring
Remedir: Not reported
Alias: FMGP - LAWRENCE; LAWRENCE MANUFACTURED GAS PLANT
Eucan Number: Not reported
Date: 12/17/1999
Activity Type: Resolved with Restrictions
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 06/01/2000
Narrative: The site is an approximately one acre lot in Lawrence, Kansas near the intersection of 8th and Pennsylvania owned and operated by Aquila (now Black Hills Corporation) as a warehouse and storage yard. The site was operated as a manufactured gas plant from 1869 through 1905.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KANSAS PUBLIC SERVICE (FORMER LAWRENCE MFCTD GAS) (Continued)

S110122022

Contamination at the site was discovered during a Preliminary Assessment (PA) conducted by Burns and McDonnell in September 1992. On August 20, 1993, Kansas Public Service entered into a consent agreement (Case Order No. 93-E-216) to investigate the contamination. Volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs) were identified in the soil. Minimal contamination was identified in the groundwater. A Corrective Action Decision (CAD) was declared on July 19, 1995 and included removal of material associated with a former tar well, long term institutional controls restricting use of the land, and installation of one monitoring well to be sampled semi-annually for two years to confirm no releases to groundwater from the site. Institutional controls were recorded in December 1999 in the form of a Restrictive Covenant. The Corrective Action was completed at the end of 1999. The site was closed in June 2000. The Kansas Department of Health and Environment conducts periodic inspections of the property to verify compliance with the Restrictive Covenant. The latest inspection of the site conducted in April 2012 noted compliance with the Restrictive Covenant.

INST CONTROL:

Site ID: 856
Project Code: C402303005
Date Signed: 12/17/1999
Restriction Text: Not reported
EUCA Number: 10
EUC Group: Specific Restrictions
EUC Type: Land Use Restrictions
EUC Restriction: no residential uses
EUCA Number Date: Not reported
EUCA Signed: Not reported

Site ID: 856
Project Code: C402303005
Date Signed: 12/17/1999
Restriction Text: Not reported
EUCA Number: 10
EUC Group: Specific Restrictions
EUC Type: Water Use Restrictions
EUC Restriction: restriction on water well construction
EUCA Number Date: Not reported
EUCA Signed: Not reported

Site ID: 856
Project Code: C402303005
Date Signed: 12/17/1999
Restriction Text: contractors/workers informed of potential hazards; 7-day notice to KDHE
EUCA Number: 10
EUC Group: Specific Restrictions
EUC Type: Notification to the Agency Prior to the Following Activities
EUC Restriction: excavation
EUCA Number Date: Not reported
EUCA Signed: Not reported

Site ID: 856
Project Code: C402303005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KANSAS PUBLIC SERVICE (FORMER LAWRENCE MFCTD GAS) (Continued)

S110122022

Date Signed: 12/17/1999
Restriction Text: installation of water wells for drinking water supply or other contact-related uses
EUCA Number: 10
EUC Group: Specific Restrictions
EUC Type: Notification to the Agency Prior to the Following Activities
EUC Restriction: Other activity requiring notification:
EUCA Number Date: Not reported
EUCA Signed: Not reported

C12
SSE
1/8-1/4
0.130 mi.
684 ft.

MARTIN LOGAN COATINGS
619 E 8TH
LAWRENCE, KS 66044
Site 3 of 3 in cluster C

RCRA-CESQG **1004705336**
FINDS **KSR000000851**

Relative:
Higher

RCRA-CESQG:

Actual:
821 ft.

Date form received by agency: 04/25/1995
Facility name: MARTIN LOGAN COATINGS
Facility address: 619 E 8TH
LAWRENCE, KS 66044
EPA ID: KSR000000851
Mailing address: DELAWARE
LAWRENCE, KS 66046
Contact: STEVE GLASS
Contact address: 619 E 8TH
LAWRENCE, KS 66044
Contact country: US
Contact telephone: (785) 843-6734
Contact email: Not reported
EPA Region: 07
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: GAYLE M. SANDERS
Owner/operator address: 2001 DELAWARE
LAWRENCE, KS 66046
Owner/operator country: Not reported
Owner/operator telephone: (785) 749-0133
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARTIN LOGAN COATINGS (Continued)

1004705336

Handler Activities Summary:

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

Hazardous Waste Summary:

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

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110003203854

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MARTIN LOGAN COATINGS (Continued)

1004705336

Environmental Interest/Information System

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

13
SE
1/8-1/4
0.143 mi.
757 ft.

KANSAS PUBLIC SERVICE (FORMER LAWRENCE MFCTD GAS)
620 E 8TH (NE CORNER OF 8TH AND PENNSYLVANIA)
LAWRENCE, KS 66044

EDR MGP 1008407199
N/A

Relative:
Higher

Manufactured Gas Plants:

Alternate Name: LAWRENCE MANUFACTURED GAS PLANT-FMGP LAWRENCE. The site is an approximately 1 acre lot in Lawrence, KS near the intersection of 8th and Pennsylvania now owned and operated by Kansas Public Service (KPS) as a warehouse and storage yard. The site was operated as a manufactured gas plant (MGP) from 1869-1905. Contamination at the site was discovered during a Preliminary Assessment (PA) conducted by Burns and McDonnell in September 1992. On August 20, 1993, KPS entered into a consent agreement (93-E-216) to investigate the contamination. The contamination found consisted of VOCs and PAHs in the soil and minimal contamination in the groundwater. A Corrective Action Decision (CAD) was declared 7/19/95 which included removal of material associated with a former tar well, long term institutional controls restricting usage of the land, and installation of 1 monitoring well to be sampled semi-annually for 2 years to confirm no releases to groundwater from the site. The CA was completed at the end of 1999 and the site was closed in June 2000.

Actual:
817 ft.

D14
SSE
1/8-1/4
0.163 mi.
862 ft.

RHODES HEATING & ROOFING CO IN
813 PENNSYLVANIA
LAWRENCE, KS 66044

UST U000199346
N/A

Site 1 of 3 in cluster D

Relative:
Higher

UST:

Facility ID: 29344
 Facility 911 Address: 832 PENNSYLVANIA
 Facility 911 City, State, Zip: LAWRENCE, KS 66044
 Facility Phone: 785-843-5551
 Phone 24 Hours: 785-843-5551
 Facility District: NE
 Facility Location Method: Garmin GPS III Plus
 Facility Feature: Facility Center
 Facility Datum: WGS84
 Facility Lat/Long: 38.96931/-95.22894999999998
 Owner ID: 29344
 Owner: RHODES HEATING & ROOFING CO IN
 Owner Type: Private Or Corp.
 Owner/Rep Name: R H Rhodes
 Owner/Rep Title: Chairman Of Boa
 Owner Address: 832 PENNSYLVANIA
 Owner City, State, Zip: LAWRENCE, KS 66044
 Owner County: DOUGLAS

Actual:
820 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RHODES HEATING & ROOFING CO IN (Continued)

U000199346

Contact: R H Rhodes
Contact Title: Chariman Of Board

Tank ID: 001
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 1000
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1976
Date Removed: 9/15/1991
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 091991
Material of Construction: Steel
Piping: Galv Steel
Tank Internal Protection: None
Tank External Protection: Painted

**D15
SSE
1/8-1/4
0.180 mi.
948 ft.**

**SUN CREATIONS
826 PENNSYLVANIA
LAWRENCE, KS**

**RCRA-CESQG 1001817102
FINDS KSR000013797**

Site 2 of 3 in cluster D

**Relative:
Higher**

RCRA-CESQG:

Date form received by agency: 01/28/2009

Facility name: SUN CREATIONS
Facility address: 826 PENNSYLVANIA
LAWRENCE, KS 66044

EPA ID: KSR000013797
Mailing address: PENNSYLVANIA
LAWRENCE, KS 66044

Contact: GENE WAYENBERG
Contact address: PENNSYLVANIA
LAWRENCE, KS 66044

Contact country: US
Contact telephone: (785) 830-0403
Contact email: Not reported

EPA Region: 07
Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUN CREATIONS (Continued)

1001817102

the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: GENE WAYENBERG
Owner/operator address: 826 PENNSYLVANIA
LAWRENCE, KS 66044
Owner/operator country: Not reported
Owner/operator telephone: (785) 830-0403
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/23/2003
Owner/Op end date: Not reported

Owner/operator name: GENE WAYENBERG
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/23/2003
Owner/Op end date: Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 01/15/2008
Facility name: SUN CREATIONS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/09/2007
Facility name: SUN CREATIONS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/24/2006
Facility name: SUN CREATIONS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/18/2005
Facility name: SUN CREATIONS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUN CREATIONS (Continued)

1001817102

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/27/2003

Facility name: SUN CREATIONS

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 10/15/1999

Facility name: SUN CREATIONS

Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D006

Waste name: CADMIUM

Waste code: D008

Waste name: LEAD

Waste code: D018

Waste name: BENZENE

Waste code: D027

Waste name: 1,4-DICHLOROBENZENE

Waste code: D039

Waste name: TETRACHLOROETHYLENE

Waste code: D040

Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 09/17/2008

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported

Date achieved compliance: Not reported

Evaluation lead agency: State

FINDS:

Registry ID: 110009573274

Environmental Interest/Information System

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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SUN CREATIONS (Continued)

1001817102

corrective action activities required under RCRA.

D16
SSE
 1/8-1/4
 0.185 mi.
 976 ft.

RHOADS HEATING & ROOFING
832 PENNSYLVANIA
LAWRENCE, KS
 Site 3 of 3 in cluster D

LUST S101834762
N/A

Relative:
Higher

LUST:

Actual:
821 ft.

<p>Facility ID: 29344 Site Status: Closed Release Date: Not reported Initial Report Date: 09/12/1991 Project Number: U4-023-01075 Project Name: Rhodes Heating Legal Desc Section: 31 Legal Desc Township: 12S Legal Desc Range: 20E Initial Ranking: Not reported Current Ranking: Not reported Facility Contact: Not reported Facility Phone Number: Not reported Facility Owner Identification number: 29344 Facility Owner: Not reported Owner Contact Person: Not reported Owner Address: Not reported Owner City: Not reported Owner State: Not reported Owner Zip Code: Not reported Owner Phone number: Not reported Contractor license number: Not reported Contractor phone number: 785-842-8395 Leak duration (if known): Not reported Quantity released (if known): Not reported Quantity recorded: Not reported Leak Type: Not reported Reported By: Jack Slade Reported by persons phone number: Not reported Reported by person address: Nedo Ground water Impacted (yes/no): sandy clay. Static groundwater level: Not reported Groundwater flow direction: Not reported District staff names: Not reported Assessment of release: removed 1-1000 gal gasoline ust and lines. had some contam soil below kdhe remediation levels. Contamination assesement: Not reported Extent of contamination impact: unknown. Updated information: Not reported Invoice initiated: 19914 Invoice on going: Not reported Invoic completetd: 19914 Release confirmed: Not reported Emergency contact: Not reported Enforcement action: Not reported Cost recovery: Not reported Cost recovery initiated: Not reported Cost recovery initiated by: Not reported</p>

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RHOADS HEATING & ROOFING (Continued)

S101834762

Cost recovery completed: Not reported
 Cost recovery completed by: Not reported
 Application to trust fund: Not reported

E17
SSE
1/8-1/4
0.190 mi.
1003 ft.

837 PENNSYLVANIA ST
LAWRENCE, KS 66044

EDR US Hist Auto Stat **1015652261**
N/A

Site 1 of 2 in cluster E

Relative:
Higher

EDR Historical Auto Stations:

Name: A1 AUTOMOTIVE
 Year: 2009

Actual:
822 ft.

Address: 837 PENNSYLVANIA ST

Name: A1 AUTOMOTIVE
 Year: 2010
 Address: 837 PENNSYLVANIA ST

E18
SSE
1/8-1/4
0.195 mi.
1027 ft.

LAWRENCE BUS CO.
841 PENNSYLVANIA STREET
LAWRENCE, KS 66044

LUST **U000199290**
UST **N/A**

Site 2 of 2 in cluster E

Relative:
Higher

LUST:

Facility ID: 29272
Site Status: Closed
 Release Date: Not reported
 Initial Report Date: 06/06/1991
 Project Number: U4-023-00972
 Project Name: Lawrence Bus Co
 Legal Desc Section: 31
 Legal Desc Township: 12S
 Legal Desc Range: 20E
 Initial Ranking: Not reported
 Current Ranking: Not reported
 Facility Contact: Chis Ogle
 Facility Phone Number: 785-842-0544
 Facility Owner Identification number: 29272
 Facility Owner: Not reported
 Owner Contact Person: Not reported
 Owner Address: Not reported
 Owner City: Not reported
 Owner State: Not reported
 Owner Zip Code: Not reported
 Owner Phone number: Not reported
 Contractor license number: Not reported
 Contractor phone number: 785-842-8395
 Leak duration (if known): Not reported
 Quantity released (if known): Not reported
 Quantity recorded: Not reported
 Leak Type: Not reported
 Reported By: Jack Slade
 Reported by persons phone number: Not reported
 Reported by person address: Nedo

Actual:
823 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAWRENCE BUS CO. (Continued)

U000199290

Ground water Impacted (yes/no): Not reported
Static groundwater level: Not reported
Groundwater flow direction: Not reported
District staff names: Not reported
Assessment of release: 2 1000 gal diesel tanks and lines removed. no leaks and no contaminated soil.
Contamination assessment: Not reported
Extent of contamination impact: unknown
Updated information: Not reported
Invoice initiated: 19913
Invoice on going: Not reported
Invoice completed: 19913
Release confirmed: Not reported
Emergency contact: Not reported
Enforcement action: Not reported
Cost recovery: Not reported
Cost recovery initiated: Not reported
Cost recovery initiated by: Not reported
Cost recovery completed: Not reported
Cost recovery completed by: Not reported
Application to trust fund: Not reported

UST:

Facility ID: 29272
Facility 911 Address: 841 PENNSYLVANIA
Facility 911 City, State, Zip: LAWRENCE, KS 66044
Facility Phone: 785-842-0544
Phone 24 Hours: 785-842-0544
Facility District: NE
Facility Location Method: Garmin GPS III Plus
Facility Feature: Facility Center
Facility Datum: WGS84
Facility Lat/Long: 38.967869999999998/-95.228999999999999
Owner ID: 29272
Owner: LAWRENCE BUS CO.
Owner Type: Private Or Corp.
Owner/Rep Name: ERNIE HOUSWORTH
Owner/Rep Title: Not reported
Owner Address: XXXXX
Owner City, State, Zip: LAWRENCE, KS 66044
Owner County: DOUGLAS
Contact: Chris Ogle
Contact Title: Contact Person

Tank ID: 001
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 1000
Hazards: Not reported
Petroleum Substance: Diesel
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1971
Date Removed: 6/15/1991
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: 0
Filled/Removed: Removed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAWRENCE BUS CO. (Continued)

U000199290

Tank Empty: Not reported
Out of Service Mo/Yr: 061991
Material of Construction: Unknown
Piping: Unknown
Tank Internal Protection: Unknown
Tank External Protection: Unknown

Tank ID: 002
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 1000
Hazards: Not reported
Petroleum Substance: Diesel
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1971
Date Removed: 6/15/1991
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 061991
Material of Construction: Unknown
Piping: Unknown
Tank Internal Protection: Unknown
Tank External Protection: Unknown

F19
SW
1/8-1/4
0.204 mi.
1077 ft.

T I R E CO
313 E 8TH
LAWRENCE, KS
Site 1 of 2 in cluster F

RCRA NonGen / NLR
FINDS
1000826035
KSD985012939

Relative:
Higher

RCRA NonGen / NLR:

Actual:
836 ft.

Date form received by agency: 06/07/2004
Facility name: T I R E CO
Facility address: 313 E 8TH
LAWRENCE, KS 66044
EPA ID: KSD985012939
Mailing address: E 8TH
LAWRENCE, KS 66044
Contact: JOE WEBSTER
Contact address: 313 E 8TH
LAWRENCE, KS 66044
Contact country: US
Contact telephone: (785) 843-0950
Contact email: Not reported
EPA Region: 07
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: KENNY MATHER
Owner/operator address: 313 E 8TH
LAWRENCE, KS 66044
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T I R E C O (Continued)

1000826035

Owner/operator telephone: (785) 843-0950
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Owner/operator name: KENNY MATHER
Owner/operator address: 313 E 8TH
LAWRENCE, KS 66044

Owner/operator country: Not reported
Owner/operator telephone: (785) 843-0950
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 06/28/1993
Facility name: T I R E C O
Classification: Small Quantity Generator

Hazardous Waste Summary:

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

Waste code: D018
Waste name: BENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TIRE CO (Continued)

1000826035

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110003198511

Environmental Interest/Information System

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

**F20
SW
1/8-1/4
0.204 mi.
1077 ft.**

**313 E 8TH ST
LAWRENCE, KS 66044**

Site 2 of 2 in cluster F

**EDR US Hist Auto Stat 1015416152
N/A**

**Relative:
Higher**

EDR Historical Auto Stations:

Name: TIRE CO
Year: 2003
Address: 313 E 8TH ST

Name: TIRE CO
Year: 2004
Address: 313 E 8TH ST

Name: TIRE CO
Year: 2005
Address: 313 E 8TH ST

Name: TIRE CO
Year: 2006
Address: 313 E 8TH ST

Name: TIRE CO
Year: 2007
Address: 313 E 8TH ST

Name: TIRE CO
Year: 2008
Address: 313 E 8TH ST

**Actual:
836 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G21
SE
1/8-1/4
0.217 mi.
1147 ft.

PENNY'S CONCRETE INC
800 E 8TH
LAWRENCE, KS 66044

RCRA NonGen / NLR **1004501403**
US AIRS **KSD007120397**

Site 1 of 3 in cluster G

Relative:
Higher

RCRA NonGen / NLR:

Actual:
817 ft.

Date form received by agency: 09/23/1987
Facility name: PENNY'S CONCRETE INC
Facility address: 800 E 8TH
LAWRENCE, KS 66044
EPA ID: KSD007120397
Mailing address: W 82ND
SHAWNEE MISSION, KS 66227
Contact: BRAD SEAMAN
Contact address: 23400 W 82ND
SHAWNEE MISSION, KS 66227
Contact country: US
Contact telephone: (785) 843-6900
Contact email: Not reported
EPA Region: 07
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JAY PENNY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENNYS CONCRETE INC (Continued)

1004501403

WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: F001

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

AIRS (AFS):

Airs Minor Details:

EPA plant ID: 110001238152
Plant name: PENNYS CONCRETE CO.
Plant address: 800 E. 8TH ST.
LAWRENCE, KS 66044

County: DOUGLAS
Region code: 07
Dunn & Bradst #: 619040215
Air quality cntrl region: 095
Sic code: 3273
Sic code desc: READY MIXED CONCRETE

North Am. industrial classf: 327320
NAIC code description: Ready-Mix Concrete Manufacturing
Default compliance status: IN COMPLIANCE - CERTIFICATION
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT

Current HPV: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENNY'S CONCRETE INC (Continued)

1004501403

Compliance and Enforcement Major Issues:

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE - CERTIFICATION
Hist compliance date: 1002
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - CERTIFICATION
Hist compliance date: 1003
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - CERTIFICATION
Hist compliance date: 1101
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - CERTIFICATION
Hist compliance date: 1103
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - CERTIFICATION
Hist compliance date: 1104
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - CERTIFICATION
Hist compliance date: 1202
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - CERTIFICATION
Hist compliance date: 1204
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - CERTIFICATION
Hist compliance date: 1001
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - CERTIFICATION
Hist compliance date: 1004
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - CERTIFICATION
Hist compliance date: 1102
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - CERTIFICATION
Hist compliance date: 1201
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - CERTIFICATION
Hist compliance date: 1203
Air prog code hist file: SIP SOURCE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENNYS CONCRETE INC (Continued)

1004501403

Compliance & Violation Data by Minor Sources:

Air program code: SIP SOURCE
Plant air program pollutant: TOTAL PARTICULATE MATTER
Default pollutant classification: UNKNOWN
Def. poll. compliance status: IN COMPLIANCE - CERTIFICATION
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: DEFAULT POLLUTANT FROM CDS
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE - INSPECTION
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

G22
SE
1/8-1/4
0.217 mi.
1147 ft.

KAW SAND COMPANY
800 E 8TH
LAWRENCE, KS 66044
Site 2 of 3 in cluster G

UST U000870815
N/A

Relative:
Higher

UST:
Facility ID: 03986
Facility 911 Address: 800 E 8TH
Facility 911 City, State, Zip: LAWRENCE, KS 66046
Facility Phone: 785-843-0714
Phone 24 Hours: 785-843-0714
Facility District: NE
Facility Location Method: Garmin GPS III Plus
Facility Feature: Facility Center
Facility Datum: WGS84
Facility Lat/Long: 38.969659999999998/-95.225949999999997
Owner ID: 03986
Owner: KAW SAND COMPANY
Owner Type: Current
Owner/Rep Name: David Penny
Owner/Rep Title: President
Owner Address: P.O. BOX 554
Owner City, State, Zip: LAWRENCE, KS 66044
Owner County: 023
Contact: David Penny
Contact Title: President

Actual:
817 ft.

Tank ID: 001
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 900
Hazards: Not reported
Petroleum Substance: Diesel
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1981
Date Removed: 12/15/1987
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAW SAND COMPANY (Continued)

U000870815

Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 121987
Material of Construction: Steel
Piping: Bare Steel
Tank Internal Protection: None
Tank External Protection: None

Tank ID: 002
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 900
Hazards: Not reported
Petroleum Substance: Diesel
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1981
Date Removed: 12/15/1987
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: Not reported
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 121987
Material of Construction: Steel
Piping: Bare Steel
Tank Internal Protection: None
Tank External Protection: None

Tank ID: 003
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 900
Hazards: Not reported
Petroleum Substance: Diesel
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1981
Date Removed: 12/15/1987
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: Not reported
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 121987
Material of Construction: Steel
Piping: Bare Steel
Tank Internal Protection: None
Tank External Protection: None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G23
SE
1/8-1/4
0.217 mi.
1147 ft.

PENNY'S CONCRETE INC.
800 E 8TH ST
LAWRENCE, KS 66044

AST **A100188943**
N/A

Site 3 of 3 in cluster G

Relative:
Higher

AST:

Actual:
817 ft.

Facility ID: 43837
Facility 911 Address: 800 E. 8TH ST.
Facility 911 City,St,Zip: LAWRENCE, KS 66046
Facility Phone: 913-667-6505
24 Hour Phone Num: 913-915-2846
Facility District: NE
Facility Location Method: Garmin GPS III Plus
Facility Feature: Facility Center
Facility Datum: WGS84
Facility Lat/Long: 38.96969 -95.22593999999994
Owner ID: 43746
Owner Type: Private Or Corp.
Owner Name: PENNY'S AGGRAGATES
Owner Address: 23400 W. 82ND ST.
Owner City,St Zip: SHAWNEE MISSION, KS 66227
Owner County: JOHNSON
Owner Phone: 913-441-8781
Owner Replacement Name: MELANIE LORENZO
Owner Replacement Title: Not reported
Contact: CHRIS RICKARD
Contact Title: Not reported

Tank ID: 001
Tank Type: Aboveground
Tank Status: Permanently Out Of Use
Tank Empty: Not reported
Installation Year: 2001
Date Removed: 1/5/2007
Last Permit Printed: 2006-06-14 00:00:00
Current Permit Printed: Not reported
QTY remaining in Tank: 6500
Out of service Mo/Yr: 01/200
Material of Construction: Steel
Petroleum Substance: Diesel
NonPetroleum Substance: Not reported
Hazards: Not reported
Tank Internal Protection: Not reported
Tank External Protection: Not reported
Principal CERCLA Substance/Chem Abstract Service Num: Not reported

Tank ID: 003
Tank Type: Aboveground
Tank Status: Current In Use
Tank Empty: Not reported
Installation Year: 2006
Date Removed: Not reported
Last Permit Printed: 2012-06-22 00:00:00
Current Permit Printed: 2013-06-18 00:00:00
QTY remaining in Tank: Not reported
Out of service Mo/Yr: Not reported
Material of Construction: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PENNY'S CONCRETE INC. (Continued)

A100188943

Petroleum Substance: Diesel Clear
 NonPetroleum Substance: Not reported
 Hazards: Fire,Chronic,Acute
 Tank Internal Protection: Not reported
 Tank External Protection: Not reported
 Principal CERCLA Substance/Chem Abstract Service Num: 68476-34-6

Tank ID: 002
 Tank Type: Aboveground
 Tank Status: Current In Use
 Tank Empty: Not reported
 Installation Year: 2006
 Date Removed: Not reported
 Last Permit Printed: 2012-06-22 00:00:00
 Current Permit Printed: 2013-06-18 00:00:00
 QTY remaining in Tank: Not reported
 Out of service Mo/Yr: Not reported
 Material of Construction: Not reported
 Petroleum Substance: Diesel Clear
 NonPetroleum Substance: Not reported
 Hazards: Fire,Chronic,Acute
 Tank Internal Protection: Not reported
 Tank External Protection: Not reported
 Principal CERCLA Substance/Chem Abstract Service Num: 68476-34-6

24
West
1/8-1/4
0.235 mi.
1239 ft.

CITY OF LAWRENCE
7TH STREET AND NEW HAMPSHIRE
LAWRENCE, KS

LUST S105434848
N/A

Relative:
Higher

LUST:
 Facility ID: 82111
Site Status: Closed
 Release Date: Not reported
 Initial Report Date: 12/11/1989
 Project Number: U4-023-00402
 Project Name: City Of Lawrence, Public Works
 Legal Desc Section: 31
 Legal Desc Township: 12S
 Legal Desc Range: 20E
 Initial Ranking: Not reported
 Current Ranking: Not reported
 Facility Contact: Charles Nichlos
 Facility Phone Number: 785-841-7722
 Facility Owner Identification number: 82111
 Facility Owner: City Of Lawrence
 Owner Contact Person: Not reported
 Owner Address: 7th Street And New Hampshire
 Owner City: Not reported
 Owner State: KS
 Owner Zip Code: Not reported
 Owner Phone number: 785-841-7722
 Contractor license number: Not reported
 Contractor phone number: 785-843-5685
 Leak duration (if known): 0
 Quantity released (if known): Not reported

Actual:
865 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CITY OF LAWRENCE (Continued)

S105434848

Quantity recorded:	Not reported
Leak Type:	Not reported
Reported By:	Not reported
Reported by persons phone number:	Not reported
Reported by person address:	Not reported
Ground water Impacted (yes/no):	Not reported
Static groundwater level:	Not reported
Groundwater flow direction:	Not reported
District staff names:	Not reported
Assessment of release:	these five tanks were burial underneath city street, at the corner of 7th and new hampshire many years ago this was location of buick dealership.
Contamination assesement:	tanks removed
Extent of contamination impact:	Not reported
Updated information:	Not reported
Invoice initiated:	19902
Invoice on going:	Not reported
Invoinc completetd:	19902
Release confirmed:	Not reported
Emergency contact:	Not reported
Enforcement action:	Not reported
Cost recovery:	Not reported
Cost recovery initiated:	Not reported
Cost recovery initiated by:	Not reported
Cost recovery completed:	Not reported
Cost recovery completed by:	Not reported
Application to trust fund:	Not reported

25
 NW
 1/8-1/4
 0.237 mi.
 1252 ft.

LAWRENCE RIVER FRONT MALL

**SHWS S107032675
 N/A**

LAWRENCE, KS

**Relative:
 Higher**

SHWS:

**Actual:
 817 ft.**

Site ID:	861
Has Env Use Control:	No
Project code:	C402371477
PM Name:	CARLSON, R.
Site Status:	Resolved
District Office:	NEDO
Lat/Long:	38.97345 / -95.23373
River Basin:	Not reported
Aquifer Yield:	Not reported
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	KSN000704043
Discovery Date:	Not reported
Depth To GW:	0-10 feet
Depth To Bedrock:	0-10 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	Not reported
Acres Affected:	<5 acres
Waste Present:	No
Product Present:	No
Program:	Management Assistance (CERCLA Lead)
Lead Agency:	BER - Assessment and Restoration

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LAWRENCE RIVER FRONT MALL (Continued)

S107032675

Contaminants:	Not reported
Media Act:	Not reported
Media Pot:	Not reported
Source:	Not reported
Land Use:	Commercial, Industrial
Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Not reported
Remed Water:	Not reported
Remedir:	Not reported
Alias:	Not reported
Eucan Number:	Not reported
Date:	Not reported
Activity Type:	Not reported
Activity Status:	Not reported
Activity Start Date:	Not reported
Activity End Date:	Not reported
Narrative:	Mercury spill cleaned up by EPA.

26
WNW
1/8-1/4
0.247 mi.
1306 ft.

REUTER ORGAN CO INC
612 NEW HAMPSHIRE
LAWRENCE, KS 66044

RCRA-CESQG 1004501416
KSD007127541

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 10/21/1994
 Facility name: REUTER ORGAN CO INC
 Facility address: 612 NEW HAMPSHIRE
 LAWRENCE, KS 66044
 EPA ID: KSD007127541
 Mailing address: PO BOX 486
 LAWRENCE, KS 66044
 Contact: DOROTHY SCHAAKE
 Contact address: PO BOX 486
 LAWRENCE, KS 66044
 Contact country: US
 Contact telephone: (785) 843-2622
 Contact email: Not reported

Actual:
852 ft.

EPA Region: 07
 Classification: Conditionally Exempt Small Quantity Generator
 Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REUTER ORGAN CO INC (Continued)

1004501416

hazardous waste

Owner/Operator Summary:

Owner/operator name: REUTER ORGAN CO INC
Owner/operator address: PO BOX 486
LAWRENCE, KS 66044
Owner/operator country: Not reported
Owner/operator telephone: (785) 843-2622
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Hazardous Waste Summary:

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

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REUTER ORGAN CO INC (Continued)

1004501416

CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

27
WNW
1/4-1/2
0.252 mi.
1331 ft.

LAWRENCE RIVERFRONT MALL
1 RIVERFRONT PLAZA
LAWRENCE, KS 66044

CERCLIS 1004654545
FINDS KSN000704043

Relative:
Higher

CERCLIS:

Actual:
843 ft.

Site ID: 0704043
EPA ID: KSN000704043
Facility County: DOUGLAS
Short Name: LAWRENCE RIVERFRONT MALL
Congressional District: 02
IFMS ID: Not reported
SMSA Number: Not reported
USGC Hydro Unit: Not reported
Federal Facility: Not a Federal Facility
DMNSN Number: 0.00000
Site Orphan Flag: Not reported
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: R
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 07
Classification: Not reported
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)
Non NPL Status Date: 09/23/00
Site Fips Code: 20045
CC Concurrence Date: / /
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

Contact ID: 7271674.00000
Contact Name: Not reported
Contact Tel: Not reported
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

Alias Comments: Not reported
Site Description: DEMOLITION ACTIVITIES @ THE MALL.

CERCLIS Assessment History:

Action Code: 001

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LAWRENCE RIVERFRONT MALL (Continued)

1004654545

Action: POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
 Date Started: 09/23/00
 Date Completed: 11/07/00
 Priority Level: Cleaned up
 Operable Unit: SITEWIDE
 Primary Responsibility: Responsible Party
 Planning Status: Primary
 Urgency Indicator: Emergency
 Action Anomaly: Not reported

FINDS:

Registry ID: 110013803036

Environmental Interest/Information System

KS-FP (Kansas - Facility Profiler) is a geographically-based data warehouse site that presents information about facilities and locations of interest to the KDHE. This site has in excess of twenty environmental interest which contains information on closed facilities, completed cleanups, and past operations as well as data on current operations and activities.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

28
WSW
1/4-1/2
0.266 mi.
1406 ft.

WINTER BLOCK
8TH & NEW HAMPSHIRE
LAWRENCE, KS 66044

LUST S102843956
N/A

Relative:
Higher

LUST:

Actual:
847 ft.

Facility ID: 81578
Site Status: Closed
 Release Date: Not reported
 Initial Report Date: 11/04/1997
 Project Number: U4-023-11758
 Project Name: Winter Block
 Legal Desc Section: 31
 Legal Desc Township: 12S
 Legal Desc Range: 20E
 Initial Ranking: Not reported
 Current Ranking: Not reported
 Facility Contact: Wint Winter
 Facility Phone Number: Not reported
 Facility Owner Identification number: Not reported
 Facility Owner: Winter Inc
 Owner Contact Person: Wint Winter
 Owner Address: Po Box 189
 Owner City: Lawrence
 Owner State: KS

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WINTER BLOCK (Continued)

S102843956

Owner Zip Code:	66044
Owner Phone number:	Not reported
Contractor license number:	Not reported
Contractor phone number:	785-841-1758
Leak duration (if known):	Not reported
Quantity released (if known):	Not reported
Quantity recorded:	Not reported
Leak Type:	Not reported
Reported By:	Not reported
Reported by persons phone number:	Not reported
Reported by person address:	Not reported
Ground water Impacted (yes/no):	red brown silty clay. gw not encountered.
Static groundwater level:	Not reported
Groundwater flow direction:	Not reported
District staff names:	Danial Wells
Assessment of release:	1-3000 gal gas ust discovered during assessment. removed. 6 samples collected & field screended. 1 sample sent for analysis =nd. ~7yds contaminated backfill removed & disposed. no further action. closed.
Contamination assesement:	Not reported
Extent of contamination impact:	Not reported
Updated information:	Not reported
Invoice initiated:	19981
Invoice on going:	Not reported
Invoice completed:	19981
Release confirmed:	19981
Emergency contact:	Not reported
Enforcement action:	Not reported
Cost recovery:	Not reported
Cost recovery initiated:	19981
Cost recovery initiated by:	Responsible Party
Cost recovery completed:	19981
Cost recovery completed by:	Responsible Party
Application to trust fund:	Not reported

29
ESE
1/4-1/2
0.268 mi.
1417 ft.

CITY OF LAWRENCE
901 E. 8TH STREET
LAWRENCE, KS 66044

SWF/LF 1001676912
N/A

Relative:
Higher

SWF/LF:
 Facility Status: Closed: post-closure care completed/not required
 Permit Number: 0778
 Owner Type: City
 Owner Name: City of Lawrence
 Facility Phone: Not reported
 Permit Type: Composting
 Permit Code: S-solid waste
 Solid Waste Key: Not reported
 Permittee Name: Not reported
 BWM Permit Manager: Not reported
 Past Permit Types: Not reported
 BWM Hydrology Manager: Not reported
 BER Oversight: Not reported
 BER Project Manager: Not reported
 Special Facility/Waste Types: Not reported
 Industrial Waste Types: Not reported
 District: Not reported

Actual:
817 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CITY OF LAWRENCE (Continued)

1001676912

Hours of Operation: Mon - Fri 8AM-Noon not open to public
 Comments: Not reported
 Contacts: facility: Mr Bob Yoos - Solid Waste Division Mgr. - 785-832-3032
 Directions: take 8th Street East to Wastewaer Treatment Facility

30
West
1/4-1/2
0.298 mi.
1575 ft.

ELDRIDGE HOTEL
701 MASSACHUSETTS
LAWRENCE, KS 66044

LUST S106782242
N/A

Relative:
Higher

LUST:

Actual:
863 ft.

Facility ID: 82532
Site Status: Closed
 Release Date: Not reported
 Initial Report Date: 07/26/2004
 Project Number: U4-023-13583
 Project Name: Eldridge Hotel
 Legal Desc Section: 36
 Legal Desc Township: 12S
 Legal Desc Range: 19E
 Initial Ranking: Not reported
 Current Ranking: Not reported
 Facility Contact: Rob Phillips
 Facility Phone Number: 785-749-5011
 Facility Owner Identification number: 82532
 Facility Owner: Eldridge Hotel
 Owner Contact Person: Rob Phillips
 Owner Address: 701 Massachusetts
 Owner City: Lawrence
 Owner State: KS
 Owner Zip Code: 66044
 Owner Phone number: 785-749-5011
 Contractor license number: Not reported
 Contractor phone number: 816-642-0055
 Leak duration (if known): Not reported
 Quantity released (if known): Not reported
 Quantity recorded: Not reported
 Leak Type: Piping
 Reported By: Envision Group, LLC
 Reported by persons phone number: 816-842-0055
 Reported by person address: Rodriquez, Colvin, Chaney & Saenz, L.L.C.
 Ground water Impacted (yes/no): Yellow/brown clay, moist, firm, to tan/brown clay, mottled;
 Groundwater not encountered at 8' below basement floor elevation.
 Static groundwater level: Not reported
 Groundwater flow direction: Not reported
 District staff names: Dan Kellerman
 Assessment of release: Subsurface assessment led to discovery of petroleum impact.
 Contamination assesement: Does not exceed the KDHE Tier 2 RSK standards.
 Extent of contamination impact: No confirmed detection was revealed.
 Updated information: Report was provided as part of a Phase II Envir. Assess. and is being provided as data for in-place UST closure due to structural preclusion limiting the physical ability to remove the UST. Site is placed on Hold status pending completion of in-place cl
 Invoice initiated: Not reported
 Invoice on going: Not reported
 Invoic completetd: Not reported
 Release confirmed: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ELDRIDGE HOTEL (Continued)

S106782242

Emergency contact:	Not reported
Enforcement action:	Not reported
Cost recovery:	Not reported
Cost recovery initiated:	Not reported
Cost recovery initiated by:	Not reported
Cost recovery completed:	Not reported
Cost recovery completed by:	Not reported
Application to trust fund:	Not reported

31
South
1/4-1/2
0.306 mi.
1616 ft.

USD 497, LAWRENCE, NEW YORK ELEM
936 NEW YORK
LAWRENCE, KS

LUST S106422570
N/A

Relative:
Higher

LUST:

Actual:
837 ft.

Facility ID:	09116
Site Status:	Closed
Release Date:	Not reported
Initial Report Date:	06/18/1990
Project Number:	U4-023-00577
Project Name:	Usd 497, New York Elementary
Legal Desc Section:	31
Legal Desc Township:	12S
Legal Desc Range:	20E
Initial Ranking:	Not reported
Current Ranking:	Not reported
Facility Contact:	Ed Mumford
Facility Phone Number:	785-843-5797
Facility Owner Identification number:	06064
Facility Owner:	New York Elementary School
Owner Contact Person:	Not reported
Owner Address:	936 New York, Lawrence
Owner City:	Not reported
Owner State:	KS
Owner Zip Code:	Not reported
Owner Phone number:	785-843-5797
Contractor license number:	Not reported
Contractor phone number:	785-863-5685
Leak duration (if known):	0
Quantity released (if known):	Not reported
Quantity recorded:	Not reported
Leak Type:	Piping
Reported By:	Not reported
Reported by persons phone number:	Not reported
Reported by person address:	Not reported
Ground water Impacted (yes/no):	Not reported
Static groundwater level:	Not reported
Groundwater flow direction:	Not reported
District staff names:	Not reported
Assessment of release:	they remove a 3000 gal. fuel oil #2 ust, the tank were leaking,lines and spillage,the soil surrounding these tanks were contam.,they transported approx. 120 yds contam. soil to ottawa co. landfill
Contamination assesement:	Not reported
Extent of contamination impact:	no groundwater contam. observed.
Updated information:	Not reported
Invoice initiated:	Not reported
Invoice on going:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

USD 497, LAWRENCE, NEW YORK ELEM (Continued)

S106422570

Invoice completed:	Not reported
Release confirmed:	Not reported
Emergency contact:	Not reported
Enforcement action:	Not reported
Cost recovery:	Not reported
Cost recovery initiated:	Not reported
Cost recovery initiated by:	Not reported
Cost recovery completed:	Not reported
Cost recovery completed by:	Not reported
Application to trust fund:	Not reported

**H32
 SW
 1/4-1/2
 0.343 mi.
 1811 ft.**

**LAWRENCE PARKING GARAGE
 900 BLK NEW HAMPSHIRE
 LAWRENCE, KS 66044**

**LUST S104818412
 N/A**

Site 1 of 2 in cluster H

**Relative:
 Higher**

LUST:

**Actual:
 832 ft.**

Facility ID:	81781
Site Status:	Closed
Release Date:	Not reported
Initial Report Date:	11/13/2000
Project Number:	U4-023-13024
Project Name:	Lawrence Parking Garage (future)
Legal Desc Section:	31
Legal Desc Township:	12S
Legal Desc Range:	20E
Initial Ranking:	Not reported
Current Ranking:	Not reported
Facility Contact:	David Corliss
Facility Phone Number:	Not reported
Facility Owner Identification number:	00234
Facility Owner:	City Of Lawrence
Owner Contact Person:	Mike Wilgen
Owner Address:	6 E 6th St (city Hall)
Owner City:	Lawrence
Owner State:	KS
Owner Zip Code:	66044
Owner Phone number:	Not reported
Contractor license number:	Not reported
Contractor phone number:	Not reported
Leak duration (if known):	Not reported
Quantity released (if known):	Not reported
Quantity recorded:	Not reported
Leak Type:	Not reported
Reported By:	Not reported
Reported by persons phone number:	Not reported
Reported by person address:	Not reported
Ground water Impacted (yes/no):	stiff lt brown to yellow & grey mottled clay. gw not found.
Static groundwater level:	Not reported
Groundwater flow direction:	Not reported
District staff names:	Dan Kellerman
Assessment of release:	ust encountered during excav. of soil for lower level of future parking garage. (tank not registered, last used in '50s or 60's.) overexcav. 18-20ft. release of product contained with earth berm & absorbed w/ lime. location of former ust will be
Contamination assesement:	carl bahmaier (u402312291) is active site to the se.
Extent of contamination impact:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LAWRENCE PARKING GARAGE (Continued)

S104818412

Updated information:	Not reported
Invoice initiated:	20011
Invoice on going:	Not reported
Invoice completed:	20011
Release confirmed:	Not reported
Emergency contact:	Not reported
Enforcement action:	Not reported
Cost recovery:	Not reported
Cost recovery initiated:	Not reported
Cost recovery initiated by:	Not reported
Cost recovery completed:	Not reported
Cost recovery completed by:	Not reported
Application to trust fund:	Not reported

H33
SW
1/4-1/2
0.345 mi.
1822 ft.

CARL BAHNMAIER
900 NEW HAMPSHIRE
LAWRENCE, KS 66044

Site 2 of 2 in cluster H

LUST U000197508
UST N/A

Relative:
Higher

LUST:

Actual:
832 ft.

Facility ID:	22191
Site Status:	Monitor
Release Date:	Not reported
Initial Report Date:	12/21/1998
Project Number:	U4-023-12291
Project Name:	Carl Bahnmaier
Legal Desc Section:	31
Legal Desc Township:	12S
Legal Desc Range:	20E
Initial Ranking:	31
Current Ranking:	42.00000
Facility Contact:	Not reported
Facility Phone Number:	Not reported
Facility Owner Identification number:	22191
Facility Owner:	Carl Bahnmaier
Owner Contact Person:	Not reported
Owner Address:	2149 E 500 Rd
Owner City:	Lecompton
Owner State:	KS
Owner Zip Code:	66050
Owner Phone number:	Not reported
Contractor license number:	C0063
Contractor phone number:	785-887-6158
Leak duration (if known):	Not reported
Quantity released (if known):	Not reported
Quantity recorded:	Not reported
Leak Type:	Not reported
Reported By:	Not reported
Reported by persons phone number:	Not reported
Reported by person address:	Not reported
Ground water Impacted (yes/no):	brown tight clay
Static groundwater level:	Not reported
Groundwater flow direction:	Not reported
District staff names:	Danial Wells
Assessment of release:	2-6000, 1-3000 & 1-2000 gal usts removed. no formal assess done though backfill appears very heavily contaminated based on stain/odor. purchaser of property to construct bldg over top of former basin.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARL BAHNMAIER (Continued)

U000197508

backfill not suitable to support structures. tf a

Contamination assesment:	Not reported
Extent of contamination impact:	Not reported
Updated information:	Not reported
Invoice initiated:	19992
Invoice on going:	Not reported
Invoice completed:	19992
Release confirmed:	19992
Emergency contact:	Not reported
Enforcement action:	Not reported
Cost recovery:	Not reported
Cost recovery initiated:	20021
Cost recovery initiated by:	Responsible Party
Cost recovery completed:	Not reported
Cost recovery completed by:	Not reported
Application to trust fund:	19992

UST:

Facility ID:	22191
Facility 911 Address:	900 NEW HAMPSHIRE
Facility 911 City, State, Zip:	LAWRENCE, KS 66044
Facility Phone:	785-887-6158
Phone 24 Hours:	785-887-6158
Facility District:	NE
Facility Location Method:	Garmin GPS III Plus
Facility Feature:	Facility Center
Facility Datum:	WGS84
Facility Lat/Long:	38.967219999999998/-95.234669999999994
Owner ID:	22191
Owner:	BAHNMAIER, CARL
Owner Type:	Current
Owner/Rep Name:	Not reported
Owner/Rep Title:	Not reported
Owner Address:	Not reported
Owner City, State, Zip:	LECOMPTON, KS 66050
Owner County:	Not reported
Contact:	Not reported
Contact Title:	Not reported

Tank ID:	001
Tank Type:	Underground
Tank Status:	Permanently Out Of Use
Total Capacity (Gals):	2000
Hazards:	Not reported
Petroleum Substance:	Empty
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1976
Date Removed:	12/17/1998
Last Permit Printed:	Not reported
Current Permit Printed:	Not reported
QTY Remaining in Tank:	Not reported
Filled/Removed:	Removed
Tank Empty:	Not reported
Out of Service Mo/Yr:	12/17/
Material of Construction:	Steel
Piping:	Galv Steel
Tank Internal Protection:	Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARL BAHNMAIER (Continued)

U000197508

Tank External Protection: Unknown

Tank ID: 002
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 4000
Hazards: Not reported
Petroleum Substance: Empty
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1976
Date Removed: 12/17/1998
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: Not reported
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 12/17/
Material of Construction: Steel
Piping: Galv Steel
Tank Internal Protection: Unknown
Tank External Protection: Unknown

Tank ID: 003
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 4000
Hazards: Not reported
Petroleum Substance: Empty
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1976
Date Removed: 12/17/1998
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: Not reported
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 12/17/
Material of Construction: Steel
Piping: Galv Steel
Tank Internal Protection: Unknown
Tank External Protection: Unknown

Tank ID: 004
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 4000
Hazards: Not reported
Petroleum Substance: Empty
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1981
Date Removed: 12/17/1998
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CARL BAHNMAIER (Continued)

U000197508

Filled/Removed:	Removed
Tank Empty:	Not reported
Out of Service Mo/Yr:	12/17/
Material of Construction:	Steel
Piping:	Galv Steel
Tank Internal Protection:	Unknown
Tank External Protection:	Unknown

34
West
1/4-1/2
0.363 mi.
1914 ft.

SOUTHWESTERN BELL TEL-LAWRENCE
734 VERMONT
LAWRENCE, KS 66044

LUST **U001111793**
UST **N/A**
AST

Relative:
Higher

LUST:

Actual:
851 ft.

Facility ID:	08820
Site Status:	Closed
Release Date:	Not reported
Initial Report Date:	07/10/2000
Project Number:	U4-023-12938
Project Name:	Sw Bell Telephone
Legal Desc Section:	31
Legal Desc Township:	12S
Legal Desc Range:	20E
Initial Ranking:	Not reported
Current Ranking:	Not reported
Facility Contact:	Don Boucher
Facility Phone Number:	Not reported
Facility Owner Identification number:	06325
Facility Owner:	Not reported
Owner Contact Person:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Phone number:	Not reported
Contractor license number:	C0063
Contractor phone number:	Not reported
Leak duration (if known):	Not reported
Quantity released (if known):	Not reported
Quantity recorded:	Not reported
Leak Type:	Not reported
Reported By:	Not reported
Reported by persons phone number:	Not reported
Reported by person address:	Not reported
Ground water Impacted (yes/no):	tight brown clay
Static groundwater level:	Not reported
Groundwater flow direction:	Not reported
District staff names:	Meredith Roth
Assessment of release:	1-4000 diesel ust removed. no stain/odor. action levels not exceeded. closed.
Contamination assesement:	Not reported
Extent of contamination impact:	Not reported
Updated information:	Not reported
Invoice initiated:	20004
Invoice on going:	Not reported
Invoice completetd:	20004
Release confirmed:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SOUTHWESTERN BELL TEL-LAWRENCE (Continued)

U001111793

<p>Emergency contact: Enforcement action: Cost recovery: Cost recovery initiated: Cost recovery initiated by: Cost recovery completed: Cost recovery completed by: Application to trust fund:</p> <p>Facility ID: Site Status: Release Date: Initial Report Date: Project Number: Project Name: Legal Desc Section: Legal Desc Township: Legal Desc Range: Initial Ranking: Current Ranking: Facility Contact: Facility Phone Number: Facility Owner Identification number: Facility Owner: Owner Contact Person: Owner Address: Owner City: Owner State: Owner Zip Code: Owner Phone number: Contractor license number: Contractor phone number: Leak duration (if known): Quantity released (if known): Quantity recorded: Leak Type: Reported By: Reported by persons phone number: Reported by person address: Ground water Impacted (yes/no): Static groundwater level: Groundwater flow direction: District staff names: Assessment of release:</p> <p>Contamination assesement: Extent of contamination impact: Updated information: Invoice initiated: Invoice on going: Invoic completetd: Release confirmed: Emergency contact: Enforcement action: Cost recovery: Cost recovery initiated:</p>	<p>Not reported Not reported Not reported Not reported Not reported Not reported Not reported</p> <p>08820 Closed Not reported 01/08/1993 U4-023-01354 Sw Bell Telephone 31 12S 20E Not reported Not reported Not reported Not reported 06325 Sw Bell Telephone Not reported Not reported Lawrence KS Not reported Not reported Not reported 913-621-1043 Unkn Not reported Not reported Not reported Not reported Not reported Not reported Not reported Meredith Roth 1-3000 gal diesel ust & lines removed. tank was used for backup fuel for their boilers. there was no evidence of petroleum hydrocarbon staining or odor.</p> <p>Not reported no gw contamination. Not reported 19932 Not reported 19932 Not reported Not reported Not reported Not reported Not reported Not reported</p>
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Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHWESTERN BELL TEL-LAWRENCE (Continued)

U001111793

Cost recovery initiated by: Not reported
Cost recovery completed: Not reported
Cost recovery completed by: Not reported
Application to trust fund: Not reported

UST:

Facility ID: 08820
Facility 911 Address: 734 VERMONT
Facility 911 City, State, Zip: LAWRENCE, KS 66044
Facility Phone: 785-749-7128
Phone 24 Hours: 800-566-9347
Facility District: NE
Facility Location Method: Garmin GPS III Plus
Facility Feature: Facility Center
Facility Datum: WGS84
Facility Lat/Long: 38.969850000000001/-95.23657
Owner ID: 06325
Owner: AT&T SERV. INC.
Owner Type: Private Or Corp.
Owner/Rep Name: BOB PICKENS
Owner/Rep Title: CONTACT PERSON
Owner Address: 308 S. AKARD, RM #1700
Owner City, State, Zip: DALLAS, TX 75202
Owner County: Not reported
Contact: EH&S 24HR HOTLINE
Contact Title: Network Serv Supv Sw

Tank ID: 001
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 3000
Hazards: Not reported
Petroleum Substance: Diesel
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1975
Date Removed: 1/15/1993
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 011993
Material of Construction: Steel
Piping: Unknown
Tank Internal Protection: Unknown
Tank External Protection: Unknown

Tank ID: 002
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 4000
Hazards: Not reported
Petroleum Substance: Diesel
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1992
Date Removed: 6/28/2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHWESTERN BELL TEL-LAWRENCE (Continued)

U001111793

Last Permit Printed: 2000-07-18 00:00:00
Current Permit Printed: Not reported
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 062000
Material of Construction: Fbr Ref Plastic
Piping: Fbr Ref Plstc
Tank Internal Protection: None
Tank External Protection: Fbr Ref Plstc Coat

AST:

Facility ID: 08820
Facility 911 Address: 734 VERMONT
Facility 911 City,St,Zip: LAWRENCE, KS 66044
Facility Phone: 785-749-7128
24 Hour Phone Num: 800-566-9347
Facility District: NE
Facility Location Method: Garmin GPS III Plus
Facility Feature: Facility Center
Facility Datum: WGS84
Facility Lat/Long: 38.969850000000001 -95.23657
Owner ID: 06325
Owner Type: Private Or Corp.
Owner Name: AT&T SERV. INC.
Owner Address: 308 S. AKARD, RM #1700
Owner City,St Zip: DALLAS, TX 75202
Owner County: Not reported
Owner Phone: 214-464-7046
Owner Replacement Name: BOB PICKENS
Owner Replacement Title: CONTACT PERSON
Contact: EH&S 24HR HOTLINE
Contact Title: Network Serv Supv Sw

Tank ID: 001
Tank Type: Aboveground
Tank Status: Current In Use
Tank Empty: Not reported
Installation Year: 2003
Date Removed: Not reported
Last Permit Printed: 2012-06-22 00:00:00
Current Permit Printed: 2013-06-18 00:00:00
QTY remaining in Tank: Not reported
Out of service Mo/Yr: Not reported
Material of Construction: Not reported
Petroleum Substance: Diesel No. 2
NonPetroleum Substance: Not reported
Hazards: Fire,Chronic,Acute
Tank Internal Protection: Not reported
Tank External Protection: Not reported
Principal CERCLA Substance/Chem Abstract Service Num: 68476-34-6

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

35
West
1/4-1/2
0.367 mi.
1940 ft.

FRITZEL PROPERTY
646 VERMONT
LAWRENCE, KS 66044

LUST **S104818366**
N/A

Relative:
Higher

LUST:

Actual:
863 ft.

Facility ID:	81758
Site Status:	Closed
Release Date:	Not reported
Initial Report Date:	07/20/2000
Project Number:	U4-023-12958
Project Name:	Fritzel Property
Legal Desc Section:	31
Legal Desc Township:	12S
Legal Desc Range:	20E
Initial Ranking:	Not reported
Current Ranking:	Not reported
Facility Contact:	Ron Whitaker
Facility Phone Number:	Not reported
Facility Owner Identification number:	Not reported
Facility Owner:	Gene Fritzel Construction
Owner Contact Person:	Ron Whitaker
Owner Address:	Box 906
Owner City:	Lawrence
Owner State:	KS
Owner Zip Code:	Not reported
Owner Phone number:	Not reported
Contractor license number:	C0416
Contractor phone number:	785-842-9100
Leak duration (if known):	Not reported
Quantity released (if known):	Not reported
Quantity recorded:	Not reported
Leak Type:	Not reported
Reported By:	Not reported
Reported by persons phone number:	Not reported
Reported by person address:	Not reported
Ground water Impacted (yes/no):	gray brown hard slightly silty clay
Static groundwater level:	Not reported
Groundwater flow direction:	Not reported
District staff names:	Meredith Roth
Assessment of release:	2-2000 gas usts discovered during construction activities & removed. remaining soil had no stain/odor.samples not >kals. closed.
Contaimination assesement:	Not reported
Extent of contamination impact:	Not reported
Updated information:	Not reported
Invoice initiated:	20004
Invoice on going:	Not reported
Invoic completetd:	20004
Release confirmed:	Not reported
Emergency contact:	Not reported
Enforcement action:	Not reported
Cost recovery:	Not reported
Cost recovery initiated:	Not reported
Cost recovery initiated by:	Not reported
Cost recovery completed:	Not reported
Cost recovery completed by:	Not reported
Application to trust fund:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRITZEL PROPERTY (Continued)

S104818366

Facility ID:	81758
Site Status:	Closed
Release Date:	Not reported
Initial Report Date:	06/22/2000
Project Number:	U4-023-12946
Project Name:	Fritzel Property
Legal Desc Section:	31
Legal Desc Township:	12S
Legal Desc Range:	20E
Initial Ranking:	Not reported
Current Ranking:	Not reported
Facility Contact:	Ron Whitaker
Facility Phone Number:	Not reported
Facility Owner Identification number:	Not reported
Facility Owner:	Gene Fritzel Construction
Owner Contact Person:	Ron Whitaker
Owner Address:	Box 906
Owner City:	Lawrence
Owner State:	KS
Owner Zip Code:	66044
Owner Phone number:	785-841-6347
Contractor license number:	C0416
Contractor phone number:	785-842-9100
Leak duration (if known):	Not reported
Quantity released (if known):	Not reported
Quantity recorded:	Not reported
Leak Type:	Not reported
Reported By:	Not reported
Reported by persons phone number:	Not reported
Reported by person address:	Not reported
Ground water Impacted (yes/no):	gray to brown hard slightly silty clay
Static groundwater level:	Not reported
Groundwater flow direction:	Not reported
District staff names:	Danial Wells
Assessment of release:	3 usts (not known to exist) discovered during construction activities were removed. 1 tank filled with sand, other 2 with water. soil beneath had strong gas odor. drager = 1000ppm tph. ~90yds3 soil removed for landfarming. analysis of soil sample fro
Contamination assesement:	Not reported
Extent of contamination impact:	no gw impact identified.
Updated information:	Not reported
Invoice initiated:	20004
Invoice on going:	Not reported
Invoice completed:	20004
Release confirmed:	20004
Emergency contact:	Not reported
Enforcement action:	Not reported
Cost recovery:	Not reported
Cost recovery initiated:	20004
Cost recovery initiated by:	Responsible Party
Cost recovery completed:	20004
Cost recovery completed by:	Responsible Party
Application to trust fund:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

I36
WNW
1/4-1/2
0.384 mi.
2030 ft.

ICE PLANT
6TH & VERMONT
LAWRENCE, KS
Site 1 of 2 in cluster I

LUST **S105434867**
N/A

Relative:
Higher

LUST:

Actual:
838 ft.

Facility ID:	82130
Site Status:	Closed
Release Date:	Not reported
Initial Report Date:	03/09/1993
Project Number:	U4-023-01380
Project Name:	Ice Plant
Legal Desc Section:	30
Legal Desc Township:	12S
Legal Desc Range:	20E
Initial Ranking:	Not reported
Current Ranking:	Not reported
Facility Contact:	Not reported
Facility Phone Number:	Not reported
Facility Owner Identification number:	82130
Facility Owner:	Gene Fritzel Construction
Owner Contact Person:	Gene Fritzel
Owner Address:	628 Vermont
Owner City:	Lawrence
Owner State:	KS
Owner Zip Code:	Not reported
Owner Phone number:	785-841-1798
Contractor license number:	C0236
Contractor phone number:	785-749-2681
Leak duration (if known):	Unkn
Quantity released (if known):	Not reported
Quantity recorded:	Not reported
Leak Type:	Spill/Overfill
Reported By:	Not reported
Reported by persons phone number:	Not reported
Reported by person address:	Not reported
Ground water Impacted (yes/no):	brown clay.
Static groundwater level:	0
Groundwater flow direction:	Not reported
District staff names:	Meredith Roth
Assessment of release:	1-12000 gal diesel ust & lines removed. backfill material and clay at bottom of excavation was contaminated with diesel fuel. ~60 yds diesel contaminated soil removed from excavation & transported to hamm's landfill.
Contamination assesement:	Not reported
Extent of contamination impact:	no groundwater encountered in excavation.
Updated information:	Not reported
Invoice initiated:	19932
Invoice on going:	Not reported
Invoinc completetd:	19932
Release confirmed:	19932
Emergency contact:	Not reported
Enforcement action:	Not reported
Cost recovery:	Not reported
Cost recovery initiated:	19932
Cost recovery initiated by:	Responsible Party
Cost recovery completed:	19932
Cost recovery completed by:	Responsible Party

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ICE PLANT (Continued)

S105434867

Application to trust fund: Not reported

I37
WNW
1/4-1/2
0.384 mi.
2030 ft.

FORMER SINCLAIR
6TH & VERMONT
LAWRENCE, KS 66044
Site 2 of 2 in cluster I

LUST **S107747759**
N/A

Relative:
Higher

LUST:

Actual:
838 ft.

Facility ID:	82579
Site Status:	Closed
Release Date:	Not reported
Initial Report Date:	05/04/2005
Project Number:	U4-023-13709
Project Name:	Lawrence, City of (Former Sinclair)
Legal Desc Section:	31
Legal Desc Township:	12S
Legal Desc Range:	20E
Initial Ranking:	Not reported
Current Ranking:	Not reported
Facility Contact:	Dave Osborn
Facility Phone Number:	785-832-7800
Facility Owner Identification number:	82579
Facility Owner:	City of Lawrence (right of way)
Owner Contact Person:	Dave Osborn
Owner Address:	6 East 6th St.
Owner City:	Lawrence
Owner State:	KS
Owner Zip Code:	66044
Owner Phone number:	785-832-7800
Contractor license number:	C0047
Contractor phone number:	785-842-3881
Leak duration (if known):	Not reported
Quantity released (if known):	Not reported
Quantity recorded:	Not reported
Leak Type:	Piping
Reported By:	Dave Osborn
Reported by persons phone number:	Not reported
Reported by person address:	6 East 6th St.
Ground water Impacted (yes/no):	Site is primarily overlain by fill material used for landscaping. Weathered bedrock overlain by clay.
Static groundwater level:	Not reported
Groundwater flow direction:	Nor
District staff names:	Tom Winn
Assessment of release:	Used oil tank discovered during water line upgrade. Gasoline impacted soils and piping were also discovered.
Contamination assesement:	Yes. Two other retail facilities were located adjacent to and across the street (Vermont) from this facility.
Extent of contamination impact:	Groundwater was not encountered and likely un-impacted.
Updated information:	Site is in a primarily commercial zone. Residential area is approx. 200 yards away. Used oil UST was discovered during the installation of a new water line main. The UST still contained a substantial amount of product. Some oil was released during th
Invoice initiated:	20054
Invoice on going:	Not reported
Invoice completed:	20054
Release confirmed:	20054
Emergency contact:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FORMER SINCLAIR (Continued)

S107747759

Enforcement action:	Not reported
Cost recovery:	Not reported
Cost recovery initiated:	20054
Cost recovery initiated by:	Responsible Party
Cost recovery completed:	20054
Cost recovery completed by:	Responsible Party
Application to trust fund:	Not reported

38
SW
1/4-1/2
0.394 mi.
2080 ft.

FIRST NATIONAL BANK
9TH & MASSACHUSETTS
LAWRENCE, KS

LUST S105434851
N/A

Relative:
Higher

LUST:

Actual:
841 ft.

Facility ID:	82114
Site Status:	Closed
Release Date:	Not reported
Initial Report Date:	06/25/1990
Project Number:	U4-023-00575
Project Name:	First National Bank
Legal Desc Section:	31
Legal Desc Township:	12S
Legal Desc Range:	20E
Initial Ranking:	Not reported
Current Ranking:	Not reported
Facility Contact:	Larry Tripp
Facility Phone Number:	785-865-0200
Facility Owner Identification number:	82114
Facility Owner:	First National Bank
Owner Contact Person:	Not reported
Owner Address:	9th Massachusetts, Lawrence
Owner City:	Not reported
Owner State:	KS
Owner Zip Code:	Not reported
Owner Phone number:	785-865-0200
Contractor license number:	Not reported
Contractor phone number:	314-532-7660
Leak duration (if known):	Not reported
Quantity released (if known):	Not reported
Quantity recorded:	Not reported
Leak Type:	Not reported
Reported By:	Not reported
Reported by persons phone number:	Not reported
Reported by person address:	Not reported
Ground water Impacted (yes/no):	Not reported
Static groundwater level:	Not reported
Groundwater flow direction:	Not reported
District staff names:	Not reported
Assessment of release:	no leaks.they removed a 4000 gal. heating oil #2 ust, no contam. surrounding the tank.
Contamination assesement:	Not reported
Extent of contamination impact:	no groundwater contam.
Updated information:	Not reported
Invoice initiated:	Not reported
Invoice on going:	Not reported
Invoice completetd:	Not reported
Release confirmed:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FIRST NATIONAL BANK (Continued)

S105434851

Emergency contact: Not reported
 Enforcement action: Not reported
 Cost recovery: Not reported
 Cost recovery initiated: Not reported
 Cost recovery initiated by: Not reported
 Cost recovery completed: Not reported
 Cost recovery completed by: Not reported
 Application to trust fund: Not reported

39
NNE
1/4-1/2
0.408 mi.
2152 ft.

USD #497
508 ELM
LAWRENCE, KS 66046

LUST 1000617653
UST N/A

Relative:
Higher

LUST:
 Facility ID: 09117
Site Status: Closed
 Release Date: Not reported
 Initial Report Date: 06/15/1990
 Project Number: U4-023-00555
 Project Name: Usd 497, Woodlawn Elementary
 Legal Desc Section: 30
 Legal Desc Township: 12S
 Legal Desc Range: 20E
 Initial Ranking: Not reported
 Current Ranking: Not reported
 Facility Contact: Not reported
 Facility Phone Number: Not reported
 Facility Owner Identification number: 06064
 Facility Owner: Woodlawn Elementary School
 Owner Contact Person: Not reported
 Owner Address: 508 Elm, Lawrence
 Owner City: Not reported
 Owner State: KS
 Owner Zip Code: Not reported
 Owner Phone number: Not reported
 Contractor license number: Not reported
 Contractor phone number: Not reported
 Leak duration (if known): 0
 Quantity released (if known): Not reported
 Quantity recorded: Not reported
 Leak Type: Not reported
 Reported By: Not reported
 Reported by persons phone number: Not reported
 Reported by person address: Not reported
 Ground water Impacted (yes/no): Not reported
 Static groundwater level: Not reported
 Groundwater flow direction: Not reported
 District staff names: Meredith Roth
 Assessment of release: 1-1000 gal heating oil ust removed. nocontam present. close site.
 Contamination assesement: Not reported
 Extent of contamination impact: none
 Updated information: Not reported
 Invoice initiated: 19903
 Invoice on going: Not reported
 Invoic completetd: 19903
 Release confirmed: Not reported

Actual:
824 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USD #497 (Continued)

1000617653

Emergency contact: Not reported
Enforcement action: Not reported
Cost recovery: Not reported
Cost recovery initiated: Not reported
Cost recovery initiated by: Not reported
Cost recovery completed: Not reported
Cost recovery completed by: Not reported
Application to trust fund: Not reported

UST:

Facility ID: 09117
Facility 911 Address: 508 ELM
Facility 911 City, State, Zip: LAWRENCE, KS 66044
Facility Phone: Not reported
Phone 24 Hours: Not reported
Facility District: NE
Facility Location Method: Garmin GPS III Plus
Facility Feature: Facility Center
Facility Datum: WGS84
Facility Lat/Long: 38.976349999999996/-95.228610000000003
Owner ID: 06064
Owner: USD #497
Owner Type: Current
Owner/Rep Name: Not reported
Owner/Rep Title: Not reported
Owner Address: 3705 CLINTON PARKWAY
Owner City, State, Zip: LAWRENCE, KS 66047
Owner County: DOUGLAS
Contact: Not reported
Contact Title: Not reported

Tank ID: 001
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 1000
Hazards: Not reported
Petroleum Substance: Not reported
NonPetroleum Substance: HEATING OIL
Estimated Yr In Service: 1964
Date Removed: 6/15/1990
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 061990
Material of Construction: Steel
Piping: Bare Steel
Tank Internal Protection: Unknown
Tank External Protection: Unknown

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

40
South
1/4-1/2
0.442 mi.
2332 ft.

DAISY J. THOMPSON
1045 NEW JERSEY
LAWRENCE, KS 66044

LUST **U003377928**
UST **N/A**

Relative:
Higher

LUST:

Actual:
852 ft.

Facility ID:	30042
Site Status:	Closed
Release Date:	Not reported
Initial Report Date:	12/30/1998
Project Number:	U4-023-12297
Project Name:	Daisy Haug Property
Legal Desc Section:	31
Legal Desc Township:	12S
Legal Desc Range:	20E
Initial Ranking:	Not reported
Current Ranking:	Not reported
Facility Contact:	Not reported
Facility Phone Number:	Not reported
Facility Owner Identification number:	30042
Facility Owner:	Not reported
Owner Contact Person:	Daisy Haug
Owner Address:	2011 Marvonne
Owner City:	Lawrence
Owner State:	KS
Owner Zip Code:	66047
Owner Phone number:	785-843-4729
Contractor license number:	C0063
Contractor phone number:	785-354-1210
Leak duration (if known):	Not reported
Quantity released (if known):	Not reported
Quantity recorded:	Not reported
Leak Type:	Not reported
Reported By:	Not reported
Reported by persons phone number:	Not reported
Reported by person address:	Not reported
Ground water Impacted (yes/no):	brown tight plastic clay
Static groundwater level:	Not reported
Groundwater flow direction:	Not reported
District staff names:	Danial Wells
Assessment of release:	1-10,000 gas ust removed. dragerindicated 100ppm tph. sample from 10ft collected for analysis. results =8.1 mg/kg, below mcls. closed
Contaimination assesement:	Not reported
Extent of contamination impact:	Not reported
Updated information:	Not reported
Invoice initiated:	19992
Invoice on going:	Not reported
Invoic completetd:	19992
Release confirmed:	Not reported
Emergency contact:	Not reported
Enforcement action:	Not reported
Cost recovery:	Not reported
Cost recovery initiated:	Not reported
Cost recovery initiated by:	Not reported
Cost recovery completed:	Not reported
Cost recovery completed by:	Not reported
Application to trust fund:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DAISY J. THOMPSON (Continued)

U003377928

UST:

Facility ID: 30042
Facility 911 Address: 1045 NEW JERSEY
Facility 911 City, State, Zip: LAWRENCE, KS 66044
Facility Phone: 785-843-4729
Phone 24 Hours: 785-843-4729
Facility District: NE
Facility Location Method: Garmin GPS III Plus
Facility Feature: Facility Center
Facility Datum: WGS84
Facility Lat/Long: 38.964089999999999/-95.230310000000003
Owner ID: 30042
Owner: HAUG, DAISY J. THOMPSON
Owner Type: Private Or Corp.
Owner/Rep Name: Daisy Thompson Haug
Owner/Rep Title: Owner
Owner Address: 2011 MARVONNE
Owner City, State, Zip: LAWRENCE, KS 66047
Owner County: DOUGLAS
Contact: Daisy Thompson Haug
Contact Title: Owner

Tank ID: 001
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 10000
Hazards: Fire, Chronic, Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1900
Date Removed: 12/17/1998
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 121998
Material of Construction: Steel
Piping: Bare Steel
Tank Internal Protection: None
Tank External Protection: None

41
SSW
1/4-1/2
0.452 mi.
2385 ft.

CRAMER'S 66
1002 NEW HAMPSHIRE
LAWRENCE, KS 66044

LUST U000873682
UST N/A

Relative:
Higher

LUST:

Actual:
847 ft.

Facility ID: 27425
Site Status: Closed
Release Date: Not reported
Initial Report Date: 10/17/1991
Project Number: U4-023-01099
Project Name: Cramer 66
Legal Desc Section: 31
Legal Desc Township: 12S

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CRAMER'S 66 (Continued)

U000873682

Legal Desc Range: 20E
Initial Ranking: 66
Current Ranking: 64.00000
Facility Contact: Clye Cramer
Facility Phone Number: Not reported
Facility Owner Identification number: 27425
Facility Owner: Cramer 66
Owner Contact Person: Not reported
Owner Address: Not reported
Owner City: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Phone number: Not reported
Contractor license number: Not reported
Contractor phone number: 785-842-8395
Leak duration (if known): Lgtn
Quantity released (if known): Not reported
Quantity recorded: Not reported
Leak Type: Piping
Reported By: Jack Slade
Reported by persons phone number: Not reported
Reported by person address: Nedo
Ground water Impacted (yes/no): black top soil, red clay, no groundwater encountered in the excavation.

Static groundwater level: Not reported
Groundwater flow direction: Not reported
District staff names: Not reported
Assessment of release: removed 2-1000 gas & 1-1000 waste oil usts. removed ~300 yrds of contam soil. trenched down to ~16', tph = 2500 ppm. possibly contam soil underneath sw part of building. pushed contam soil back in excv. removed lines/pumps. stf appl.

Contamination assesement: Not reported
Extent of contamination impact: unknown.
Updated information: site closed by trust fund staff in july 2001.
Invoice initiated: 19921
Invoice on going: Not reported
Invoic completetd: 19921
Release confirmed: 19921
Emergency contact: Not reported
Enforcement action: 19922
Cost recovery: Not reported
Cost recovery initiated: 19921
Cost recovery initiated by: Responsible Party
Cost recovery completed: 20014
Cost recovery completed by: Responsible Party
Application to trust fund: 19922

UST:

Facility ID: 27425
Facility 911 Address: 1002 NEW HAMPSHIRE
Facility 911 City, State, Zip: LAWRENCE, KS 66044
Facility Phone: Not reported
Phone 24 Hours: Not reported
Facility District: NE
Facility Location Method: Garmin GPS III Plus
Facility Feature: Facility Center
Facility Datum: WGS84

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CRAMER'S 66 (Continued)

U000873682

Facility Lat/Long: 38.96544999999997/-95.23466999999994
Owner ID: 27425
Owner: CRAMER, CLYDE
Owner Type: Not reported
Owner/Rep Name: Not reported
Owner/Rep Title: Not reported
Owner Address: 2417 MANCHESTER
Owner City, State, Zip: LAWRENCE, KS 66044
Owner County: DOUGLAS
Contact: Clyde Cramer
Contact Title: Not reported

Tank ID: 001
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 3500
Hazards: Not reported
Petroleum Substance: Diesel
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1956
Date Removed: 6/15/1991
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 061991
Material of Construction: Steel
Piping: Unknown
Tank Internal Protection: Unknown
Tank External Protection: Unknown

Tank ID: 002
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 1
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1956
Date Removed: 6/15/1991
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 061991
Material of Construction: Steel
Piping: Unknown
Tank Internal Protection: Unknown
Tank External Protection: Unknown

Tank ID: 003
Tank Type: Underground
Tank Status: Permanently Out Of Use

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CRAMER'S 66 (Continued)

U000873682

Total Capacity (Gals): 1
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1956
Date Removed: 6/15/1991
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 061991
Material of Construction: Steel
Piping: Unknown
Tank Internal Protection: Unknown
Tank External Protection: Unknown

Tank ID: 004
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 1
Hazards: Fire,Chronic
Petroleum Substance: Used Oil
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1956
Date Removed: 6/15/1991
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 061991
Material of Construction: Steel
Piping: Unknown
Tank Internal Protection: Unknown
Tank External Protection: Unknown

42
SW
1/4-1/2
0.474 mi.
2503 ft.

**BERKELEY SQUARE
10TH & MASSACHUSETTS
LAWRENCE, KS 66046**

**LUST U002234304
UST N/A
Financial Assurance**

**Relative:
Higher**

LUST:
Facility ID: 29655
Site Status: Monitor
Release Date: Not reported
Initial Report Date: 01/11/1993
Project Number: U4-023-01360
Project Name: Berkely Square
Legal Desc Section: 31
Legal Desc Township: 12S
Legal Desc Range: 20E
Initial Ranking: 72
Current Ranking: 72.00000
Facility Contact: Not reported
Facility Phone Number: Not reported

**Actual:
850 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BERKELEY SQUARE (Continued)

U002234304

Facility Owner Identification number: 29655
Facility Owner: J-hawk Corporation
Owner Contact Person: Mark Harren
Owner Address: Not reported
Owner City: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Phone number: Not reported
Contractor license number: Not reported
Contractor phone number: Not reported
Leak duration (if known): Unkn
Quantity released (if known): Not reported
Quantity recorded: Not reported
Leak Type: Not reported
Reported By: Not reported
Reported by persons phone number: Not reported
Reported by person address: Not reported
Ground water Impacted (yes/no): 0-10' silty clays; 10-16' weathered shale, silty clay; 17-18'.
Static groundwater level: 21
Groundwater flow direction: Not reported
District staff names: Dan Kellerman
Assessment of release: impact discovered during phase ii assess. assess performed in reference to pending transaction. minimal requirement is to attempt to delineate extent of impact. may be difficult because downtown. possible usts exist at facility(unknown). no record-removal.
Contamination assesement: yes, no other known sources apparent.
Extent of contamination impact: assessment limited area adjacent to building. groundwater appears negligible, occurring predominantly at bedrock contact. high tph, benzene 6.5 ug/l in one mw well.
Updated information: Not reported
Invoice initiated: 19932
Invoice on going: Not reported
Invoic completetd: 19932
Release confirmed: 19932
Emergency contact: Not reported
Enforcement action: 19933
Cost recovery: Not reported
Cost recovery initiated: 19982
Cost recovery initiated by: Responsible Party
Cost recovery completed: Not reported
Cost recovery completed by: Not reported
Application to trust fund: 19933

UST:

Facility ID: 29655
Facility 911 Address: 10TH & MASSACHUSETTS
Facility 911 City, State, Zip: LAWRENCE, KS 66044
Facility Phone: Not reported
Phone 24 Hours: Not reported
Facility District: NE
Facility Location Method: Garmin GPS III Plus
Facility Feature: Facility Center
Facility Datum: WGS84
Facility Lat/Long: 38.96553999999997/-95.23582000000004
Owner ID: 29655
Owner: BERKELEY COMPANY L.C. %SHMALBE
Owner Type: Private Or Corp.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BERKELEY SQUARE (Continued)

U002234304

Owner/Rep Name: Robert Shmalbert
Owner/Rep Title: Contact Person
Owner Address: 1029 NEW HAMPSHIRE STREET
Owner City, State, Zip: LAWRENCE, KS 66044
Owner County: DOUGLAS
Contact: Robert Shmalberg
Contact Title: Contact Person

Tank ID: 001
Tank Type: Underground
Tank Status: Permanently Out Of Use

Total Capacity (Gals): 111
Hazards: Not reported
Petroleum Substance: Empty,Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1900
Date Removed: 2/18/1993
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: Not reported
Filled/Removed: Filled
Tank Empty: Not reported
Out of Service Mo/Yr: 02/18/
Material of Construction: Steel
Piping: Bare Steel
Tank Internal Protection: None
Tank External Protection: None

KS Financial Assurance:
Facility ID: 29655
Financial Responsibility: 3rd Party Liability Insurance

43
SSW
1/4-1/2
0.481 mi.
2538 ft.

SCOTCH INDUSTRIES INC
1029 NEW HAMPSHIRE
LAWRENCE, KS 66044

LUST U002233283
UST N/A

Relative:
Higher

LUST:
Facility ID: 10702
Site Status: Closed
Release Date: Not reported
Initial Report Date: 10/01/1986
Project Number: U4-023-00224
Project Name: Scotch Cleaners
Legal Desc Section: 31
Legal Desc Township: 12S
Legal Desc Range: 20E
Initial Ranking: Not reported
Current Ranking: Not reported
Facility Contact: Not reported
Facility Phone Number: Not reported
Facility Owner Identification number: 10702
Facility Owner: Scotch Cleaners
Owner Contact Person: Not reported
Owner Address: 1029 New Hampshire
Owner City: Lawrence

Actual:
846 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SCOTCH INDUSTRIES INC (Continued)

U002233283

Owner State: KS
Owner Zip Code: 66044
Owner Phone number: Not reported
Contractor license number: Not reported
Contractor phone number: Not reported
Leak duration (if known): 0
Quantity released (if known): Not reported
Quantity recorded: Not reported
Leak Type: Not reported
Reported By: Not reported
Reported by persons phone number: Not reported
Reported by person address: Not reported
Ground water Impacted (yes/no): Not reported
Static groundwater level: Not reported
Groundwater flow direction: Not reported
District staff names: Not reported
Assessment of release: ?. incomplete report from 10/1/86. soil analysis 9/22/86: benzene= .10 ppm, toluene= .28 ppm, ethylbenzene= .28 ppm. xylenes=3.0 ppm.
Contamination assessment: Not reported
Extent of contamination impact: Not reported
Updated information: project number changed from u4-023-00224 a. file combined with "b" file. diesel ust removed from location.
Invoice initiated: 19893
Invoice on going: Not reported
Invoice completed: 19893
Release confirmed: Not reported
Emergency contact: Not reported
Enforcement action: Not reported
Cost recovery: Not reported
Cost recovery initiated: Not reported
Cost recovery initiated by: Not reported
Cost recovery completed: Not reported
Cost recovery completed by: Not reported
Application to trust fund: Not reported

UST:

Facility ID: 10702
Facility 911 Address: 1029 NEW HAMPSHIRE
Facility 911 City, State, Zip: LAWRENCE, KS 66044
Facility Phone: 785-843-3711
Phone 24 Hours: 785-843-3711
Facility District: NE
Facility Location Method: Garmin GPS III Plus
Facility Feature: Facility Center
Facility Datum: WGS84
Facility Lat/Long: 38.9649/-95.23499999999999
Owner ID: 10702
Owner: SCOTCH INDUSTRIES INC.
Owner Type: Private Or Corp.
Owner/Rep Name: Jeff Shmalberg
Owner/Rep Title: Plant Manager
Owner Address: 1026 MASSACHUSETTS STREET
Owner City, State, Zip: LAWRENCE, KS 66044
Owner County: DOUGLAS
Contact: Larry Ryan
Contact Title: Engineering Manager

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SCOTCH INDUSTRIES INC (Continued)

U002233283

Tank ID: 001
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 3000
Hazards: Not reported
Petroleum Substance: Diesel
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1981
Date Removed: 5/15/1989
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: Not reported
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: 051989
Material of Construction: Steel
Piping: Galv Steel
Tank Internal Protection: None
Tank External Protection: Cat Prot,Painted

Tank ID: 002
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 1000
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1970
Date Removed: Not reported
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: Not reported
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: Not reported
Material of Construction: Steel
Piping: Unknown
Tank Internal Protection: Unknown
Tank External Protection: Painted

Tank ID: 003
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 1000
Hazards: Not reported
Petroleum Substance: Empty,Diesel
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1970
Date Removed: Not reported
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: Not reported
Filled/Removed: Filled
Tank Empty: Not reported
Out of Service Mo/Yr: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SCOTCH INDUSTRIES INC (Continued)

U002233283

Material of Construction: Steel
 Piping: Unknown
 Tank Internal Protection: Unknown
 Tank External Protection: Unknown

Tank ID: 004
 Tank Type: Underground
Tank Status: Permanently Out Of Use
 Total Capacity (Gals): 2000
Hazards: Not reported
 Petroleum Substance: Not reported
 NonPetroleum Substance: #6 OIL
 Estimated Yr In Service: 1900
 Date Removed: Not reported
 Last Permit Printed: Not reported
 Current Permit Printed: Not reported
 QTY Remaining in Tank: Not reported
 Filled/Removed: Filled
 Tank Empty: Not reported
 Out of Service Mo/Yr: 1970
 Material of Construction: Steel
 Piping: Not reported
 Tank Internal Protection: Not reported
 Tank External Protection: Not reported

44
WSW
1/4-1/2
0.495 mi.
2613 ft.

DOWNTOWN MUFFLER SHOP
900 KENTUCKY
LAWRENCE, KS 66044

LUST S105434860
N/A

Relative:
Higher

LUST:
 Facility ID: 82123
Site Status: Closed
 Release Date: Not reported
 Initial Report Date: 08/14/1991
 Project Number: U4-023-01042
 Project Name: Downtown Muffler
 Legal Desc Section: 31
 Legal Desc Township: 12S
 Legal Desc Range: 20E
 Initial Ranking: Not reported
 Current Ranking: Not reported
 Facility Contact: Not reported
 Facility Phone Number: 785-842-7880
 Facility Owner Identification number: 82123
 Facility Owner: Downtown Muffler
 Owner Contact Person: Not reported
 Owner Address: 6330 Sw 21st Terrace
 Owner City: Topeka
 Owner State: KS
 Owner Zip Code: 66614
 Owner Phone number: 785-272-5854
 Contractor license number: Not reported
 Contractor phone number: Not reported
 Leak duration (if known): Ukwn
 Quantity released (if known): Not reported

Actual:
848 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DOWNTOWN MUFFLER SHOP (Continued)

S105434860

Quantity recorded:	Not reported
Leak Type:	Tank
Reported By:	Meredith Roth
Reported by persons phone number:	Not reported
Reported by person address:	Nedo
Ground water Impacted (yes/no):	brown clay on the bottom of excv.
Static groundwater level:	Not reported
Groundwater flow direction:	Not reported
District staff names:	Meredith Roth
Assessment of release:	4-3000 gal diesel usts removed. backfill sand surrounding tanks was contaminated. backhoe dug 2' below floor of excv and encountered brown clay, with no petrol odor. contam soil removed to dg co landfill. remaining soil below kdhe remediation levels.
Contamination assesement:	Not reported
Extent of contamination impact:	Not reported
Updated information:	Not reported
Invoice initiated:	19914
Invoice on going:	Not reported
Invoice completetd:	19914
Release confirmed:	19914
Emergency contact:	Not reported
Enforcement action:	Not reported
Cost recovery:	Not reported
Cost recovery initiated:	19914
Cost recovery initiated by:	Responsible Party
Cost recovery completed:	19914
Cost recovery completed by:	Responsible Party
Application to trust fund:	Not reported

45
SSE
1/2-1
0.532 mi.
2807 ft.

KANSAS PUBLIC SERVICES - MERCURY
11TH & DELAWARE
LAWRENCE, KS

SHWS S102570755
N/A

Relative:
Higher

SHWS:
 Site ID: 859
 Has Env Use Control: No
 Project code: C402370226
 PM Name: BER - Remedial
Site Status: Resolved
 District Office: NEDO
 Lat/Long: 38.96466 / -95.22523
 River Basin: KS - Lower Republican
 Aquifer Yield: Unknown
 Other Aquifers: Not reported
 Parent PC: Not reported
 Parent Name: Not reported
 CERCLIS ID: Not reported
 Discovery Date: 05/27/1993
 Depth To GW: 11-20 feet
 Depth To Bedrock: 0-10 feet
 Aquifer Yield: 101-500 gpm
 GW Flow Direction: NE
 Acres Affected: Not reported
 Waste Present: No
 Product Present: No
 Program: State Cooperative

Actual:
854 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KANSAS PUBLIC SERVICES - MERCURY (Continued)

S102570755

Lead Agency: BER - Remedial
Contaminants: Heavy Metal, Other (see Site Narrative)
Media Act: Not reported
Media Pot: Ground Water, Soil
Source: Facility Operations
Land Use: Commercial, Industrial, Residential
Private well: Not reported
Waste Present: Not reported
Product: Not reported
Receptor Act: Not reported
Receptor Pot: Not reported
Remed Air: Not reported
Remed Soil: Not reported
Remed Water: Not reported
Remedir: Not reported
Alias: Not reported
Eucan Number: Not reported
Date: Not reported
Activity Type: Resolved
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 01/07/1994
Narrative: KDHE contacted Kansas Public Services about possible Mercury contamination at metering station locations. KPS decided to have KDHE investigate. A Mercury Manometer Investigation occurred which found that no mercury contamination existed. The site is considered resolved.

Site ID: 859
Has Env Use Control: No
Project code: C402370226
PM Name: BER - Remedial
Site Status: Resolved
District Office: NEDO
Lat/Long: 38.96466 / -95.22523
River Basin: KS - Lower Republican
Aquifer Yield: Unknown
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: Not reported
Discovery Date: 05/27/1993
Depth To GW: 11-20 feet
Depth To Bedrock: 0-10 feet
Aquifer Yield: 101-500 gpm
GW Flow Direction: NE
Acres Affected: Not reported
Waste Present: No
Product Present: No
Program: State Cooperative
Lead Agency: BER - Remedial
Contaminants: Heavy Metal, Other (see Site Narrative)
Media Act: Not reported
Media Pot: Ground Water, Soil
Source: Facility Operations
Land Use: Commercial, Industrial, Residential
Private well: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KANSAS PUBLIC SERVICES - MERCURY (Continued)

S102570755

Waste Present: Not reported
 Product: Not reported
 Receptor Act: Not reported
 Receptor Pot: Not reported
 Remed Air: Not reported
 Remed Soil: Not reported
 Remed Water: Not reported
 Remedir: Not reported
 Alias: Not reported
 Eucan Number: Not reported
 Date: Not reported
 Activity Type: Mercury Manometer Investigation
 Activity Status: Completed
 Activity Start Date: Not reported
 Activity End Date: 12/29/1993
 Narrative: KDHE contacted Kansas Public Services about possible Mercury contamination at metering station locations. KPS decided to have KDHE investigate. A Mercury Manometer Investigation occurred which found that no mercury contamination existed. The site is considered resolved.

Site ID: 859
 Has Env Use Control: No
 Project code: C402370226
 PM Name: BER - Remedial
Site Status: Resolved
 District Office: NEDO
 Lat/Long: 38.96466 / -95.22523
 River Basin: KS - Lower Republican
 Aquifer Yield: Unknown
 Other Aquifers: Not reported
 Parent PC: Not reported
 Parent Name: Not reported
 CERCLIS ID: Not reported
 Discovery Date: 05/27/1993
 Depth To GW: 11-20 feet
 Depth To Bedrock: 0-10 feet
 Aquifer Yield: 101-500 gpm
 GW Flow Direction: NE
 Acres Affected: Not reported
 Waste Present: No
 Product Present: No
 Program: State Cooperative
 Lead Agency: BER - Remedial
 Contaminants: Heavy Metal, Other (see Site Narrative)
 Media Act: Not reported
 Media Pot: Ground Water, Soil
 Source: Facility Operations
 Land Use: Commercial, Industrial, Residential
 Private well: Not reported
 Waste Present: Not reported
 Product: Not reported
 Receptor Act: Not reported
 Receptor Pot: Not reported
 Remed Air: Not reported
 Remed Soil: Not reported
 Remed Water: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KANSAS PUBLIC SERVICES - MERCURY (Continued)

S102570755

Remedir: Not reported
Alias: Not reported
Eucan Number: Not reported
Date: Not reported
Activity Type: Agreement
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 09/16/1993
Narrative: KDHE contacted Kansas Public Services about possible Mercury contamination at metering station locations. KPS decided to have KDHE investigate. A Mercury Manometer Investigation occurred which found that no mercury contamination existed. The site is considered resolved.

46
SE
1/2-1
0.630 mi.
3325 ft.

**LAWRENCE SATELLITE POW CAMP
11TH AND HASKELL
LAWRENCE, KS 66046**

**SHWS S105074702
N/A**

**Relative:
Higher**

SHWS:
Site ID: 860
Has Env Use Control: No
Project code: C402371187
PM Name: JACOBS, J.
Site Status: Resolved
District Office: NEDO
Lat/Long: 38.965 / -95.2225
River Basin: KS - Lower Republican
Aquifer Yield: Alluvial
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: KSSFN0703138
Discovery Date: 01/01/1990
Depth To GW: 11-20 feet
Depth To Bedrock: 21-30 feet
Aquifer Yield: 0-10 gpm
GW Flow Direction: N
Acres Affected: 5-25 acres
Waste Present: No
Product Present: No
Program: FUDS (Formerly Used Defense Sites)
Lead Agency: BER - Assessment and Restoration
Contaminants: Refined Petroleum
Media Act: Not reported
Media Pot: Soil
Source: Abandoned Facility, Underground Tank/Piping
Land Use: Commercial, Industrial
Private well: Not reported
Waste Present: Not reported
Product: Not reported
Receptor Act: Not reported
Receptor Pot: Not reported
Remed Air: Not reported
Remed Soil: Not reported
Remed Water: Not reported
Remedir: Not reported

**Actual:
817 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAWRENCE SATELLITE POW CAMP (Continued)

S105074702

Alias: LAWRENCE POW CAMP
Eucan Number: Not reported
Date: Not reported
Activity Type: NFRAP
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 11/30/1999
Narrative: KDHE conducted an initial site survey (equivalent to a desktop Preliminary Assessment) of the site. The only DOD activities conducted at the site were feeding and housing POWs. No contamination is suspected, and no action is warranted.
NOTE: Site is triangular; NE coordinate omitted purposely. On June 23, 2011, the U.S. Army Corps of Engineers (USACE) communicated its Findings and Determination of Eligibility to KDHE. USACE determined this site to be ineligible for inclusion in the Defense Environmental Restoration Program ? Formerly Used Defense Sites. Per USACE, ?No official property records were found that indicate this property was ever under the jurisdiction of the Secretary of Defense or owned by, leased to, or otherwise possessed by the United States.?

Site ID: 860
Has Env Use Control: No
Project code: C402371187
PM Name: JACOBS, J.
Site Status: Resolved
District Office: NEDO
Lat/Long: 38.965 / -95.2225
River Basin: KS - Lower Republican
Aquifer Yield: Alluvial
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: KSSFN0703138
Discovery Date: 01/01/1990
Depth To GW: 11-20 feet
Depth To Bedrock: 21-30 feet
Aquifer Yield: 0-10 gpm
GW Flow Direction: N
Acres Affected: 5-25 acres
Waste Present: No
Product Present: No
Program: FUDS (Formerly Used Defense Sites)
Lead Agency: BER - Assessment and Restoration
Contaminants: Refined Petroleum
Media Act: Not reported
Media Pot: Soil
Source: Abandoned Facility, Underground Tank/Piping
Land Use: Commercial, Industrial
Private well: Not reported
Waste Present: Not reported
Product: Not reported
Receptor Act: Not reported
Receptor Pot: Not reported
Remed Air: Not reported
Remed Soil: Not reported
Remed Water: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAWRENCE SATELLITE POW CAMP (Continued)

S105074702

Remedir: Not reported
Alias: LAWRENCE POW CAMP
Eucan Number: Not reported
Date: Not reported
Activity Type: Initial Site Screening
Activity Status: Completed
Activity Start Date: 10/01/1999
Activity End Date: 11/30/1999
Narrative: KDHE conducted an initial site survey (equivalent to a desktop Preliminary Assessment) of the site. The only DOD activities conducted at the site were feeding and housing POWs. No contamination is suspected, and no action is warranted.

NOTE: Site is triangular; NE coordinate omitted purposely. On June 23, 2011, the U.S. Army Corps of Engineers (USACE) communicated its Findings and Determination of Eligibility to KDHE. USACE determined this site to be ineligible for inclusion in the Defense Environmental Restoration Program ? Formerly Used Defense Sites. Per USACE, ?No official property records were found that indicate this property was ever under the jurisdiction of the Secretary of Defense or owned by, leased to, or otherwise possessed by the United States.?

Count: 14 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BALDWIN	U004126776	KS DEPT OF TRANSPORTATION	RT 2	66046	UST, Financial Assurance
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	1007482517	UNION PACIFIC RAILROAD	N 3RD ST AT MAPLE ST		FINDS
LAWRENCE	U001112557	USD #497	RT 5		UST
LAWRENCE	U000198262	PARK HETZEL III	HWY 59 & LEARY RD	66046	UST
LAWRENCE	1003876292	LAWRENCE CITY LANDFILL	8TH ST	66044	CERC-NFRAP
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	S105434865		140 NUCLEAR REACTOR CTR	66044	LUST, SPILLS
LAWRENCE	1004705166	KANSAS PUBLIC SVC LAWRENCE	85H & PENNSYLVANIA	66044	RCRA NonGen / NLR, FINDS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 07/12/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 07/12/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 07/12/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Quarterly

Federal CERCLIS list

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

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 08/30/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 07/08/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 08/30/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/18/2013
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/18/2013
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/18/2013
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/18/2013
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/14/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/29/2013	Telephone: 703-603-0695
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/14/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/29/2013	Telephone: 703-603-0695
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 08/15/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/02/2013
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/17/2013	Telephone: 202-267-2180
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 07/01/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Identified Sites List

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

Date of Government Version: 08/08/2013	Source: Department of Health and Environment
Date Data Arrived at EDR: 08/13/2013	Telephone: 785-296-1660
Date Made Active in Reports: 09/10/2013	Last EDR Contact: 07/15/2013
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/28/2013
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 04/02/2013	Source: Department of Health and Environment
Date Data Arrived at EDR: 04/03/2013	Telephone: 785-296-1590
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 08/08/2013
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/04/2013
	Data Release Frequency: Annually

State and tribal leaking storage tank lists

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

Date of Government Version: 07/25/2013	Source: Department of Health and Environment
Date Data Arrived at EDR: 08/01/2013	Telephone: 785-296-1685
Date Made Active in Reports: 09/09/2013	Last EDR Contact: 07/03/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tanks
Leaking aboveground storage tank site locations.

Date of Government Version: 07/25/2013	Source: Department of Health & Environment
Date Data Arrived at EDR: 08/01/2013	Telephone: 785-296-1685
Date Made Active in Reports: 09/09/2013	Last EDR Contact: 07/03/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/24/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 09/28/2012	Source: EPA Region 1
Date Data Arrived at EDR: 11/01/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 08/02/2013
Number of Days to Update: 162	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/06/2013	Source: EPA Region 4
Date Data Arrived at EDR: 02/08/2013	Telephone: 404-562-8677
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 07/24/2013
Number of Days to Update: 59	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Underground Storage Tank Data

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

Date of Government Version: 07/25/2013	Source: Department of Health and Environment
Date Data Arrived at EDR: 08/01/2013	Telephone: 785-296-1685
Date Made Active in Reports: 09/09/2013	Last EDR Contact: 07/03/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Data

Registered Aboveground Storage Tanks.

Date of Government Version: 07/25/2013	Source: Department of Health and Environment
Date Data Arrived at EDR: 08/01/2013	Telephone: 785-296-1685
Date Made Active in Reports: 09/09/2013	Last EDR Contact: 07/03/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 156

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/02/2012
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/21/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 45

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Institutional Controls Information

Sites that have institutional control information entered into the Identified Sites List database.

Date of Government Version: 05/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 06/11/2013
Number of Days to Update: 41

Source: Department of Health & Environment
Telephone: 785-296-8049
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

VCP: Identified Sites List

Sites included in the Identified Sites List that are identified as Voluntary Cleanup sites.

Date of Government Version: 08/08/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 09/10/2013
Number of Days to Update: 28

Source: Department of Health & Environment
Telephone: 785-296-8049
Last EDR Contact: 07/15/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/02/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Identified Sites List

Sites included in the Identified Sites List that are identified as Brownfields sites.

Date of Government Version: 08/08/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 09/10/2013
Number of Days to Update: 28

Source: Department of Health & Environment
Telephone: 785-296-8049
Last EDR Contact: 07/15/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/24/2013
Date Data Arrived at EDR: 06/25/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 08/05/2013
Next Scheduled EDR Contact: 10/07/2013
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/26/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998

Date Data Arrived at EDR: 12/03/2007

Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245

Last EDR Contact: 07/31/2013

Next Scheduled EDR Contact: 11/18/2013

Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/04/2013

Date Data Arrived at EDR: 03/12/2013

Date Made Active in Reports: 05/10/2013

Number of Days to Update: 59

Source: Drug Enforcement Administration

Telephone: 202-307-1000

Last EDR Contact: 09/04/2013

Next Scheduled EDR Contact: 12/16/2013

Data Release Frequency: Quarterly

AOCONCERN: Area of Concern

The City of Wichita has taken the lead for the investigation and remediation efforts with the Kansas Department of Health & Environment, Bureau of Remediation. The primary contaminants of concern are chlorinated solvents and their degradation products.

Date of Government Version: N/A

Date Data Arrived at EDR: 04/25/2002

Date Made Active in Reports: 06/28/2002

Number of Days to Update: 64

Source: Department of Environmental Health

Telephone: 315-268-8351

Last EDR Contact: 03/13/2007

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

CDL: Clandestine Laboratory Data

Clandestine meth lab location

Date of Government Version: 09/29/2009

Date Data Arrived at EDR: 10/02/2009

Date Made Active in Reports: 10/20/2009

Number of Days to Update: 18

Source: Department of Health and Environment

Telephone: 785-368-7301

Last EDR Contact: 08/15/2013

Next Scheduled EDR Contact: 12/02/2013

Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007

Date Data Arrived at EDR: 11/19/2008

Date Made Active in Reports: 03/30/2009

Number of Days to Update: 131

Source: Drug Enforcement Administration

Telephone: 202-307-1000

Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: No Update Planned

Local Land Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/06/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/25/2013	Telephone: 202-564-6023
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 15	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 12/31/2012	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/03/2013	Telephone: 202-366-4555
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 07/01/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Annually

SPILLS: Kansas Spills Database

All spills reported under the regulatory authority of the Department of Health & Environment and the Kansas Corporation Commission.

Date of Government Version: 05/02/2013	Source: Department of Health and Environment
Date Data Arrived at EDR: 05/08/2013	Telephone: 785-296-1660
Date Made Active in Reports: 06/12/2013	Last EDR Contact: 07/15/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/28/2013
	Data Release Frequency: Semi-Annually

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/18/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2013	Telephone: 913-551-7003
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 08/08/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 08/05/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/18/2013
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 15

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 57

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/11/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 04/18/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/30/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/07/2013
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 11/01/2012
Date Data Arrived at EDR: 01/16/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 114

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/17/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

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

Date of Government Version: 03/14/2013
Date Data Arrived at EDR: 03/20/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 112

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/10/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/09/2013
Date Data Arrived at EDR: 04/11/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 29

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/12/2013
Next Scheduled EDR Contact: 10/21/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 03/08/2013	Source: EPA
Date Data Arrived at EDR: 03/21/2013	Telephone: (913) 551-7003
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 08/15/2013
Number of Days to Update: 111	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/25/2012	Telephone: 202-564-8600
Date Made Active in Reports: 07/10/2012	Last EDR Contact: 07/24/2013
Number of Days to Update: 46	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 08/26/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Biennially

UIC: Underground Injection Wells Database Listing

A listing of underground injection wells.

Date of Government Version: 05/13/2013	Source: Department of Health & Environment
Date Data Arrived at EDR: 05/15/2013	Telephone: 785-296-1367
Date Made Active in Reports: 06/12/2013	Last EDR Contact: 05/13/2013
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEANERS: Registered Drycleaning Facilities

A listing of registered drycleaners.

Date of Government Version: 06/07/2013
Date Data Arrived at EDR: 06/07/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 38

Source: Department of Health & Environment
Telephone: 785-291-3250
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Varies

AIRS: Title V Source Information

A listing of title V sources, including emissions information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 01/02/2013
Date Made Active in Reports: 01/09/2013
Number of Days to Update: 7

Source: Department of Health & Environment
Telephone: 785-296-6427
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/14/2013
Data Release Frequency: Annually

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 01/08/2013
Date Made Active in Reports: 01/17/2013
Number of Days to Update: 9

Source: Department of Health & Environment
Telephone: 785-296-1688
Last EDR Contact: 07/22/2013
Next Scheduled EDR Contact: 10/07/2013
Data Release Frequency: Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/01/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 08/23/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2012	Telephone: 703-308-4044
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 08/16/2013
Number of Days to Update: 7	Next Scheduled EDR Contact: 11/25/2013
	Data Release Frequency: Varies

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 01/23/2013	Source: EPA
Date Data Arrived at EDR: 01/30/2013	Telephone: 202-564-5962
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/25/2013
Number of Days to Update: 100	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Annually

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/23/2013	Source: EPA
Date Data Arrived at EDR: 01/30/2013	Telephone: 202-564-5962
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/25/2013
Number of Days to Update: 100	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Annually

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/18/2012	Source: EPA
Date Data Arrived at EDR: 04/04/2013	Telephone: 202-564-6023
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 07/03/2013
Number of Days to Update: 97	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/19/2013
Number of Days to Update: 339	Next Scheduled EDR Contact: 10/28/2013
	Data Release Frequency: N/A

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/18/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/03/2013
Next Scheduled EDR Contact: 10/21/2013
Data Release Frequency: Varies

Financial Assurance: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 07/25/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 09/09/2013
Number of Days to Update: 39

Source: Department of Health & Environment
Telephone: 785-296-1685
Last EDR Contact: 07/03/2013
Next Scheduled EDR Contact: 10/21/2013
Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal combustion waste landfills.

Date of Government Version: 01/20/2009
Date Data Arrived at EDR: 06/26/2009
Date Made Active in Reports: 07/08/2009
Number of Days to Update: 12

Source: Department of Health & Environment
Telephone: 785-296-1600
Last EDR Contact: 07/18/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/14/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A	Source: N/A
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A	Source: N/A
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/20/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 05/21/2013	Telephone: 860-424-3375
Date Made Active in Reports: 06/27/2013	Last EDR Contact: 08/19/2013
Number of Days to Update: 37	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 08/07/2013	Telephone: 518-402-8651
Date Made Active in Reports: 09/10/2013	Last EDR Contact: 08/07/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/18/2013
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2012	Source: Department of Environmental Management
Date Data Arrived at EDR: 06/21/2013	Telephone: 401-222-2797
Date Made Active in Reports: 08/05/2013	Last EDR Contact: 08/23/2013
Number of Days to Update: 45	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 09/27/2012	Last EDR Contact: 07/17/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/30/2013
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

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.

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

RAILROAD DEPOT
413 E. 7TH STREET
LAWRENCE, KS 66044

TARGET PROPERTY COORDINATES

Latitude (North):	38.9712 - 38° 58' 16.32"
Longitude (West):	95.2304 - 95° 13' 49.44"
Universal Transverse Mercator:	Zone 15
UTM X (Meters):	306772.2
UTM Y (Meters):	4315739.0
Elevation:	816 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	38095-H2 LAWRENCE EAST, 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).

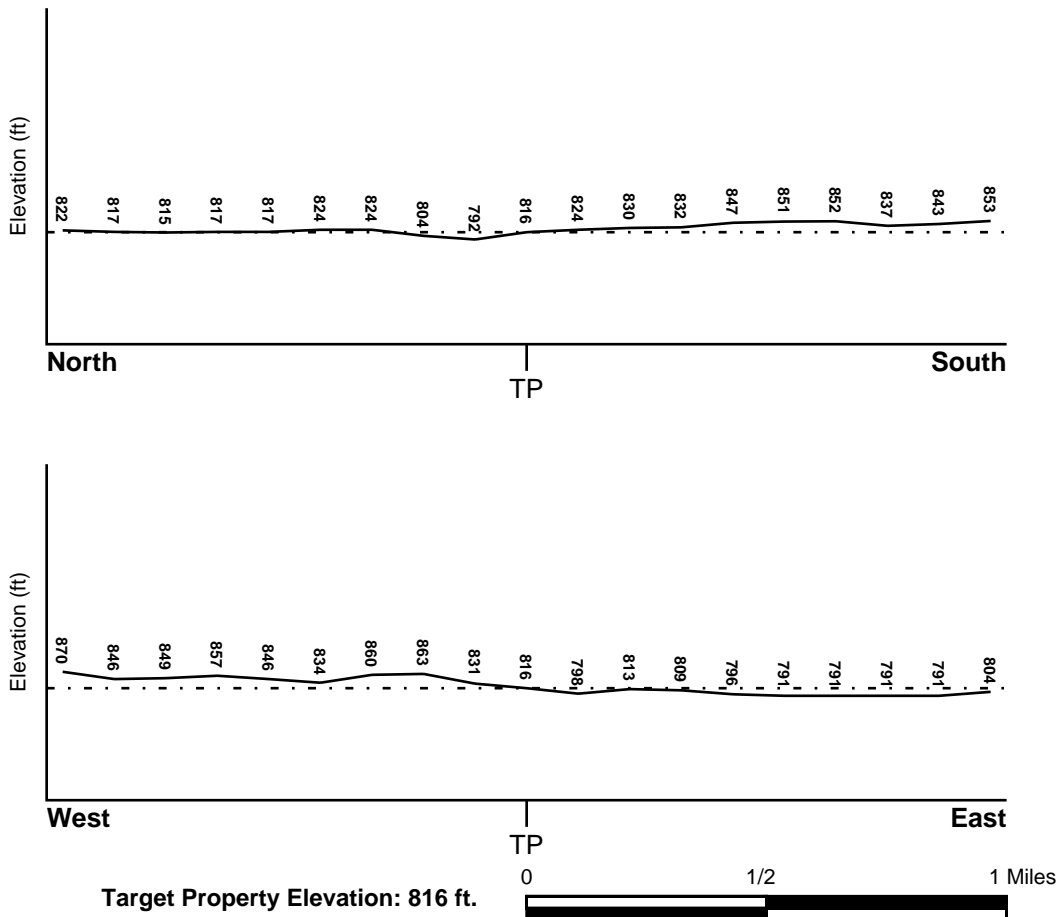
TOPOGRAPHIC INFORMATION

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 ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

<u>Target Property County</u> DOUGLAS, KS	<u>FEMA Flood Electronic Data</u> 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

<u>NWI Quad at Target Property</u> LAWRENCE EAST	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
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

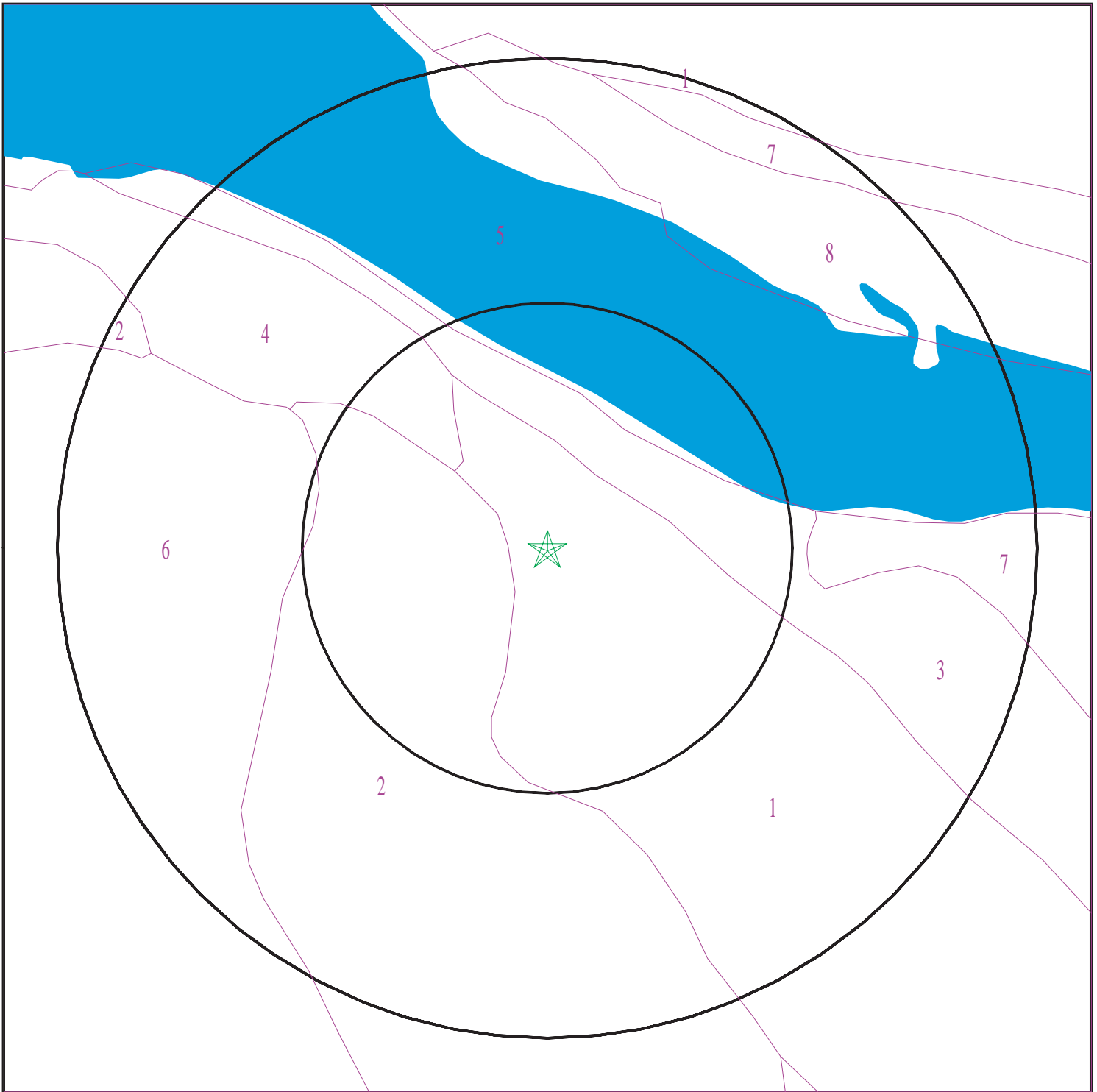
Era:	Paleozoic
System:	Pennsylvanian
Series:	Virgilian Series
Code:	PP4 (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

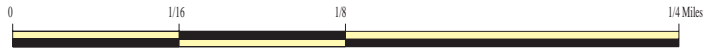
Category: Stratified Sequence

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

SSURGO SOIL MAP - 3723245.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Railroad Depot
ADDRESS: 413 E. 7th Street
Lawrence KS 66044
LAT/LONG: 38.9712 / 95.2304

CLIENT: Terracon, Inc.
CONTACT: Kendra Caspers
INQUIRY #: 3723245.2s
DATE: September 10, 2013 10:57 am

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: 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
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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Pawnee

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 36 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	clay 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: 1.411 Min: 0.4233	Max: 8.4 Min: 7.4
2	7 inches	11 inches	clay 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: 1.411 Min: 0.4233	Max: 8.4 Min: 7.4
3	11 inches	33 inches	clay	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: 1.411 Min: 0.4233	Max: 8.4 Min: 7.4
4	33 inches	53 inches	clay 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: 1.411 Min: 0.4233	Max: 8.4 Min: 7.4
5	53 inches	72 inches	sandy clay 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: 1.411 Min: 0.4233	Max: 8.4 Min: 7.4

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

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: > 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	fine sandy 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
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: Morrill

Soil Surface Texture: clay 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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

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	clay 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: 1.411	Max: 7.3 Min: 5.1
2	7 inches	12 inches	clay 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: 1.411	Max: 7.3 Min: 5.1
3	12 inches	55 inches	clay 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: 1.411	Max: 7.3 Min: 5.1
4	55 inches	66 inches	clay 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: 1.411	Max: 7.3 Min: 5.1

Soil Map ID: 5

Soil Component Name: Water (< 40 acres)

Soil Surface Texture: clay 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:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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.

Soil Map ID: 6

Soil Component Name: Woodson

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 36 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 50% or more), Fat Clay.	Max: 0.4233 Min: 0.01	Max: 7.3 Min: 5.6
2	11 inches	33 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.4233 Min: 0.01	Max: 7.3 Min: 5.6
3	44 inches	77 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.4233 Min: 0.01	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	7 inches	11 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.4233 Min: 0.01	Max: 7.3 Min: 5.6
5	33 inches	44 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.4233 Min: 0.01	Max: 7.3 Min: 5.6

Soil Map ID: 7

Soil Component Name: Stonehouse

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

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	9 inches	22 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 7.3 Min: 6.1

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	22 inches	31 inches	stratified loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 7.3 Min: 6.1
3	31 inches	44 inches	stratified fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 7.3 Min: 6.1
4	44 inches	70 inches	stratified sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 7.3 Min: 6.1
5	70 inches	79 inches	stratified loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 7.3 Min: 6.1
6	0 inches	9 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 7.3 Min: 6.1

Soil Map ID: 8

Soil Component Name: Fluvents

Soil Surface Texture: silty clay loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 91 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	59 inches	silty clay 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: 4.233	Max: 7.3 Min: 5.6

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C9	USGS40000361532	1/4 - 1/2 Mile West
19	USGS40000361488	1/4 - 1/2 Mile SW
49	USGS40000361542	1/4 - 1/2 Mile WNW
L93	USGS40000361615	1/2 - 1 Mile NNW
L94	USGS40000361614	1/2 - 1 Mile NNW
M96	USGS40000361494	1/2 - 1 Mile ESE
M97	USGS40000361495	1/2 - 1 Mile ESE
113	USGS40000361468	1/2 - 1 Mile SE
115	USGS40000361453	1/2 - 1 Mile SSW
N124	USGS40000361482	1/2 - 1 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
N125	USGS40000361483	1/2 - 1 Mile ESE
R145	USGS40000361621	1/2 - 1 Mile NW
R146	USGS40000361620	1/2 - 1 Mile NW
R147	USGS40000361623	1/2 - 1 Mile NW
R148	USGS40000361622	1/2 - 1 Mile NW
R149	USGS40000361619	1/2 - 1 Mile NW
R150	USGS40000361616	1/2 - 1 Mile NW
R151	USGS40000361617	1/2 - 1 Mile NW
R152	USGS40000361618	1/2 - 1 Mile NW
V187	USGS40000361676	1/2 - 1 Mile NNW
V188	USGS40000361677	1/2 - 1 Mile NNW
V189	USGS40000361678	1/2 - 1 Mile NNW
190	USGS40000361543	1/2 - 1 Mile West
W192	USGS40000361636	1/2 - 1 Mile NW
W193	USGS40000361637	1/2 - 1 Mile NW
194	USGS40000361695	1/2 - 1 Mile North
195	USGS40000361608	1/2 - 1 Mile WNW
215	USGS40000361638	1/2 - 1 Mile NW
X222	USGS40000361670	1/2 - 1 Mile NW
X223	USGS40000361671	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C7	KS2104501	1/4 - 1/2 Mile West

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	KS6000000168655	1/8 - 1/4 Mile West
A2	KS6000000168656	1/8 - 1/4 Mile West
3	KS6000000168497	1/8 - 1/4 Mile SW
B4	KS6000000168374	1/4 - 1/2 Mile SSE
B5	KS6000000168375	1/4 - 1/2 Mile SSE
B6	KS6000000168376	1/4 - 1/2 Mile SSE
8	KS6000000168322	1/4 - 1/2 Mile SSE
10	KS6000000168658	1/4 - 1/2 Mile East
11	KS6000000168826	1/4 - 1/2 Mile ENE
D12	KS6000000168317	1/4 - 1/2 Mile SSW
D13	KS6000000168316	1/4 - 1/2 Mile SSW
D14	KS6000000168315	1/4 - 1/2 Mile SSW
D15	KS6000000168318	1/4 - 1/2 Mile SSW
D16	KS6000000168321	1/4 - 1/2 Mile SSW
D17	KS6000000168320	1/4 - 1/2 Mile SSW
D18	KS6000000168319	1/4 - 1/2 Mile SSW
E20	KS6000000168369	1/4 - 1/2 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E21	KS6000000168368	1/4 - 1/2 Mile WSW
E22	KS6000000168367	1/4 - 1/2 Mile WSW
E23	KS6000000168370	1/4 - 1/2 Mile WSW
E24	KS6000000168373	1/4 - 1/2 Mile WSW
E25	KS6000000168372	1/4 - 1/2 Mile WSW
E26	KS6000000168371	1/4 - 1/2 Mile WSW
F27	KS6000000168659	1/4 - 1/2 Mile East
F28	KS6000000168660	1/4 - 1/2 Mile East
F29	KS6000000168661	1/4 - 1/2 Mile East
30	KS6000000168190	1/4 - 1/2 Mile SSW
G31	KS6000000168471	1/4 - 1/2 Mile ESE
G32	KS6000000168470	1/4 - 1/2 Mile ESE
G33	KS6000000168473	1/4 - 1/2 Mile ESE
G34	KS6000000168472	1/4 - 1/2 Mile ESE
G35	KS6000000168467	1/4 - 1/2 Mile ESE
G36	KS6000000168466	1/4 - 1/2 Mile ESE
G37	KS6000000168469	1/4 - 1/2 Mile ESE
G38	KS6000000168468	1/4 - 1/2 Mile ESE
G39	KS6000000168474	1/4 - 1/2 Mile ESE
G40	KS6000000168480	1/4 - 1/2 Mile ESE
G41	KS6000000168479	1/4 - 1/2 Mile ESE
G42	KS6000000168482	1/4 - 1/2 Mile ESE
G43	KS6000000168481	1/4 - 1/2 Mile ESE
G44	KS6000000168476	1/4 - 1/2 Mile ESE
G45	KS6000000168475	1/4 - 1/2 Mile ESE
G46	KS6000000168478	1/4 - 1/2 Mile ESE
G47	KS6000000168477	1/4 - 1/2 Mile ESE
48	KS6000000169021	1/4 - 1/2 Mile NW
50	KS6000000169122	1/4 - 1/2 Mile NNW
H51	KS6000000168193	1/2 - 1 Mile SW
H52	KS6000000168194	1/2 - 1 Mile SW
H53	KS6000000168191	1/2 - 1 Mile SW
H54	KS6000000168192	1/2 - 1 Mile SW
H55	KS6000000168195	1/2 - 1 Mile SW
H56	KS6000000168198	1/2 - 1 Mile SW
H57	KS6000000168199	1/2 - 1 Mile SW
H58	KS6000000168196	1/2 - 1 Mile SW
H59	KS6000000168197	1/2 - 1 Mile SW
60	KS6000000169054	1/2 - 1 Mile NE
I61	KS6000000168448	1/2 - 1 Mile WSW
I62	KS6000000168447	1/2 - 1 Mile WSW
I63	KS6000000168446	1/2 - 1 Mile WSW
I64	KS6000000168451	1/2 - 1 Mile WSW
I65	KS6000000168450	1/2 - 1 Mile WSW
I66	KS6000000168449	1/2 - 1 Mile WSW
I67	KS6000000168445	1/2 - 1 Mile WSW
I68	KS6000000168441	1/2 - 1 Mile WSW
I69	KS6000000168440	1/2 - 1 Mile WSW
I70	KS6000000168439	1/2 - 1 Mile WSW
I71	KS6000000168444	1/2 - 1 Mile WSW
I72	KS6000000168443	1/2 - 1 Mile WSW
I73	KS6000000168442	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
I74	KS6000000168461	1/2 - 1 Mile WSW
I75	KS6000000168460	1/2 - 1 Mile WSW
I76	KS6000000168459	1/2 - 1 Mile WSW
I77	KS6000000168464	1/2 - 1 Mile WSW
I78	KS6000000168463	1/2 - 1 Mile WSW
I79	KS6000000168462	1/2 - 1 Mile WSW
I80	KS6000000168458	1/2 - 1 Mile WSW
I81	KS6000000168454	1/2 - 1 Mile WSW
I82	KS6000000168453	1/2 - 1 Mile WSW
I83	KS6000000168452	1/2 - 1 Mile WSW
I84	KS6000000168457	1/2 - 1 Mile WSW
I85	KS6000000168456	1/2 - 1 Mile WSW
I86	KS6000000168455	1/2 - 1 Mile WSW
J87	KS6000000168224	1/2 - 1 Mile SE
J88	KS6000000168225	1/2 - 1 Mile SE
K89	KS6000000168333	1/2 - 1 Mile WSW
K90	KS6000000168332	1/2 - 1 Mile WSW
K91	KS6000000168335	1/2 - 1 Mile WSW
K92	KS6000000168334	1/2 - 1 Mile WSW
95	KS6000000169169	1/2 - 1 Mile NE
N98	KS6000000168356	1/2 - 1 Mile ESE
N99	KS6000000168357	1/2 - 1 Mile ESE
N100	KS6000000168358	1/2 - 1 Mile ESE
N101	KS6000000168355	1/2 - 1 Mile ESE
N102	KS6000000168352	1/2 - 1 Mile ESE
N103	KS6000000168353	1/2 - 1 Mile ESE
N104	KS6000000168354	1/2 - 1 Mile ESE
N105	KS6000000168359	1/2 - 1 Mile ESE
N106	KS6000000168364	1/2 - 1 Mile ESE
N107	KS6000000168365	1/2 - 1 Mile ESE
N108	KS6000000168366	1/2 - 1 Mile ESE
N109	KS6000000168363	1/2 - 1 Mile ESE
N110	KS6000000168360	1/2 - 1 Mile ESE
N111	KS6000000168361	1/2 - 1 Mile ESE
N112	KS6000000168362	1/2 - 1 Mile ESE
114	KS6000000169246	1/2 - 1 Mile NNE
O116	KS6000000168203	1/2 - 1 Mile SW
O117	KS6000000168202	1/2 - 1 Mile SW
O118	KS6000000168201	1/2 - 1 Mile SW
O119	KS6000000168204	1/2 - 1 Mile SW
O120	KS6000000168207	1/2 - 1 Mile SW
O121	KS6000000168206	1/2 - 1 Mile SW
O122	KS6000000168205	1/2 - 1 Mile SW
123	KS6000000168438	1/2 - 1 Mile WSW
126	KS6000000169198	1/2 - 1 Mile NE
P127	KS6000000168312	1/2 - 1 Mile WSW
P128	KS6000000168313	1/2 - 1 Mile WSW
P129	KS6000000168314	1/2 - 1 Mile WSW
P130	KS6000000168325	1/2 - 1 Mile WSW
P131	KS6000000168326	1/2 - 1 Mile WSW
P132	KS6000000168323	1/2 - 1 Mile WSW
P133	KS6000000168324	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
P134	KS6000000168327	1/2 - 1 Mile WSW
P135	KS6000000168330	1/2 - 1 Mile WSW
P136	KS6000000168331	1/2 - 1 Mile WSW
P137	KS6000000168328	1/2 - 1 Mile WSW
P138	KS6000000168329	1/2 - 1 Mile WSW
139	KS6000000168299	1/2 - 1 Mile ESE
Q140	KS6000000169049	1/2 - 1 Mile WNW
Q141	KS6000000169048	1/2 - 1 Mile WNW
Q142	KS6000000169050	1/2 - 1 Mile WNW
Q143	KS6000000169052	1/2 - 1 Mile WNW
Q144	KS6000000169051	1/2 - 1 Mile WNW
153	KS6000000168178	1/2 - 1 Mile ESE
154	KS6000000168650	1/2 - 1 Mile West
155	KS6000000169164	1/2 - 1 Mile NE
S156	KS6000000168434	1/2 - 1 Mile ESE
S157	KS6000000168433	1/2 - 1 Mile ESE
S158	KS6000000168435	1/2 - 1 Mile ESE
S159	KS6000000168437	1/2 - 1 Mile ESE
S160	KS6000000168436	1/2 - 1 Mile ESE
161	KS6000000168226	1/2 - 1 Mile ESE
T162	KS6000000169070	1/2 - 1 Mile ENE
T163	KS6000000169071	1/2 - 1 Mile ENE
T164	KS6000000169072	1/2 - 1 Mile ENE
T165	KS6000000169067	1/2 - 1 Mile ENE
T166	KS6000000169068	1/2 - 1 Mile ENE
T167	KS6000000169069	1/2 - 1 Mile ENE
T168	KS6000000169073	1/2 - 1 Mile ENE
T169	KS6000000169077	1/2 - 1 Mile ENE
T170	KS6000000169078	1/2 - 1 Mile ENE
T171	KS6000000169079	1/2 - 1 Mile ENE
T172	KS6000000169074	1/2 - 1 Mile ENE
T173	KS6000000169075	1/2 - 1 Mile ENE
T174	KS6000000169076	1/2 - 1 Mile ENE
U175	KS6000000168309	1/2 - 1 Mile WSW
U176	KS6000000168308	1/2 - 1 Mile WSW
U177	KS6000000168311	1/2 - 1 Mile WSW
U178	KS6000000168310	1/2 - 1 Mile WSW
U179	KS6000000168302	1/2 - 1 Mile WSW
U180	KS6000000168303	1/2 - 1 Mile WSW
U181	KS6000000168300	1/2 - 1 Mile WSW
U182	KS6000000168301	1/2 - 1 Mile WSW
U183	KS6000000168306	1/2 - 1 Mile WSW
U184	KS6000000168307	1/2 - 1 Mile WSW
U185	KS6000000168304	1/2 - 1 Mile WSW
U186	KS6000000168305	1/2 - 1 Mile WSW
191	KS6000000168293	1/2 - 1 Mile ESE
X196	KS6000000169439	1/2 - 1 Mile NW
197	KS6000000169584	1/2 - 1 Mile North
Y198	KS6000000168179	1/2 - 1 Mile ESE
Y199	KS6000000168180	1/2 - 1 Mile ESE
Z200	KS6000000169156	1/2 - 1 Mile ENE
Z201	KS6000000169157	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Z202	KS6000000169155	1/2 - 1 Mile ENE
Z203	KS6000000169153	1/2 - 1 Mile ENE
Z204	KS6000000169154	1/2 - 1 Mile ENE
Z205	KS6000000169158	1/2 - 1 Mile ENE
Z206	KS6000000169162	1/2 - 1 Mile ENE
Z207	KS6000000169163	1/2 - 1 Mile ENE
Z208	KS6000000169161	1/2 - 1 Mile ENE
Z209	KS6000000169159	1/2 - 1 Mile ENE
Z210	KS6000000169160	1/2 - 1 Mile ENE
AA211	KS6000000168819	1/2 - 1 Mile East
AA212	KS6000000168820	1/2 - 1 Mile East
AB213	KS6000000169319	1/2 - 1 Mile NE
AB214	KS6000000169320	1/2 - 1 Mile NE
AC216	KS6000000168990	1/2 - 1 Mile ENE
AC217	KS6000000168989	1/2 - 1 Mile ENE
AC218	KS6000000168988	1/2 - 1 Mile ENE
AC219	KS6000000168993	1/2 - 1 Mile ENE
AC220	KS6000000168992	1/2 - 1 Mile ENE
AC221	KS6000000168991	1/2 - 1 Mile ENE
AD224	KS6000000169660	1/2 - 1 Mile NNW
AD225	KS6000000169637	1/2 - 1 Mile NNW
AD226	KS6000000169638	1/2 - 1 Mile NNW
AD227	KS6000000169639	1/2 - 1 Mile NNW
AD228	KS6000000169677	1/2 - 1 Mile North
AD229	KS6000000169678	1/2 - 1 Mile North
AD230	KS6000000169676	1/2 - 1 Mile North
AD231	KS6000000169674	1/2 - 1 Mile North
AD232	KS6000000169675	1/2 - 1 Mile North
AD233	KS6000000169682	1/2 - 1 Mile North
AD234	KS6000000169683	1/2 - 1 Mile North
AD235	KS6000000169681	1/2 - 1 Mile North
AD236	KS6000000169679	1/2 - 1 Mile North
AD237	KS6000000169680	1/2 - 1 Mile North
AD238	KS6000000169662	1/2 - 1 Mile NNW
AD239	KS6000000169687	1/2 - 1 Mile NNW
AD240	KS6000000169686	1/2 - 1 Mile NNW
AB241	KS6000000169340	1/2 - 1 Mile NE
AB242	KS6000000169341	1/2 - 1 Mile NE
AD243	KS6000000169663	1/2 - 1 Mile NNW
AD244	KS6000000169657	1/2 - 1 Mile NNW
AD245	KS6000000169658	1/2 - 1 Mile NNW
AD246	KS6000000169659	1/2 - 1 Mile NNW
247	KS6000000169475	1/2 - 1 Mile NE
AD248	KS6000000169698	1/2 - 1 Mile NNW
AD249	KS6000000169712	1/2 - 1 Mile North
AB250	KS6000000169303	1/2 - 1 Mile NE
AB251	KS6000000169304	1/2 - 1 Mile NE
AB252	KS6000000169305	1/2 - 1 Mile NE
AD253	KS6000000169714	1/2 - 1 Mile North
AD254	KS6000000169715	1/2 - 1 Mile North
AD255	KS6000000169672	1/2 - 1 Mile NNW
AD256	KS6000000169673	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID

AD257

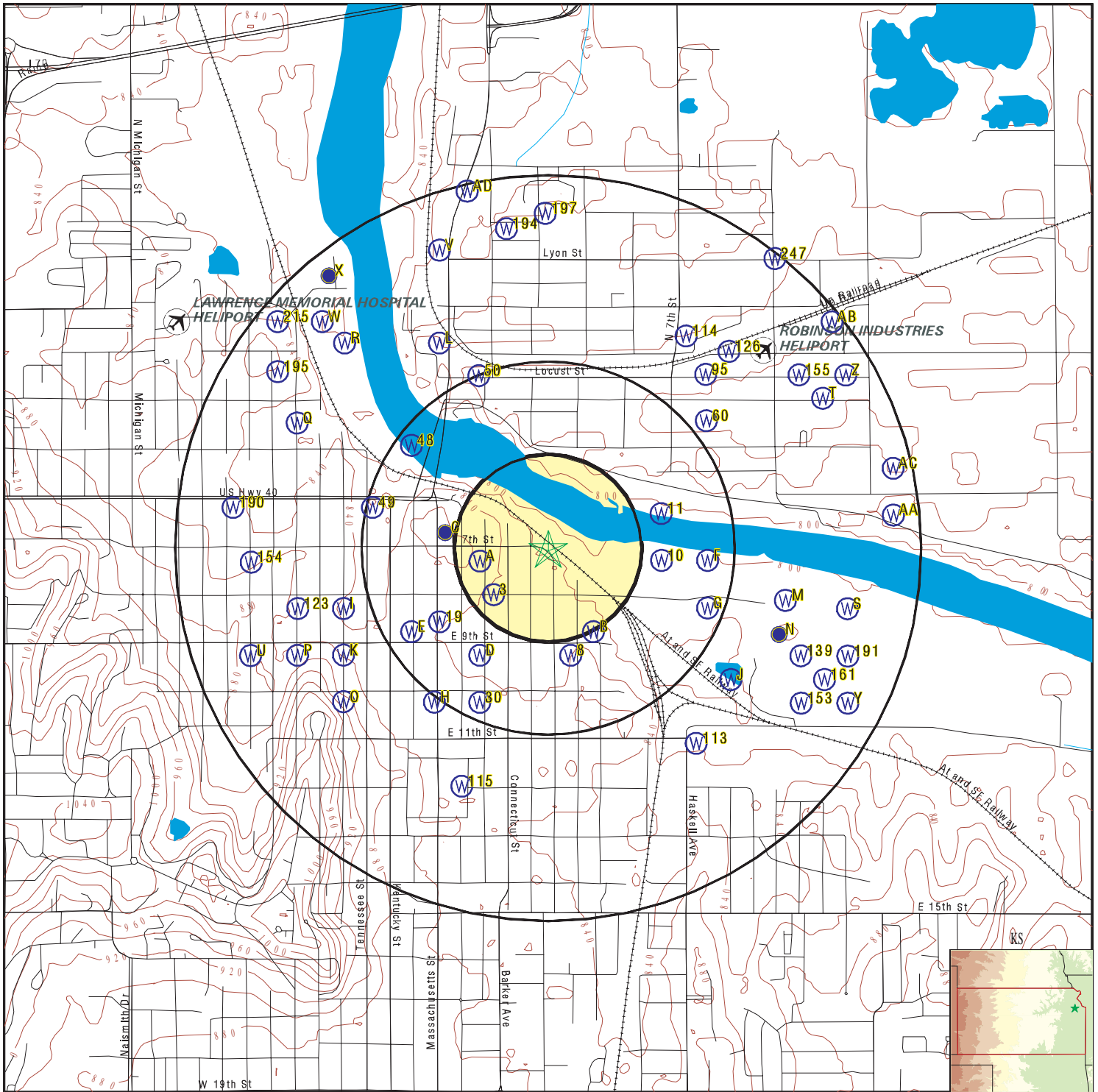
WELL ID

KS6000000169671

LOCATION
FROM TP

1/2 - 1 Mile NNW

PHYSICAL SETTING SOURCE MAP - 3723245.2s



- 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: Railroad Depot
 ADDRESS: 413 E. 7th Street
 Lawrence KS 66044
 LAT/LONG: 38.9712 / 95.2304

CLIENT: Terracon, Inc.
 CONTACT: Kendra Caspers
 INQUIRY #: 3723245.2s
 DATE: September 10, 2013 10:57 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
West
1/8 - 1/4 Mile
Higher

KS WELLS KS6000000168655

Well id:	116336	County:	Douglas
Township:	12	Twtn dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NE NE NW
Longitude:	-95.23354	Latitude:	38.97069
Long lat t:	From PLSS	Owner:	Cramer 66 Service
Well use:	(unstated)/abandoned		
Comple dat:	24-Sep-1997		
Status:	PLUGGED	Other id:	MW 5
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	18	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	JB Environmental Drilling		

A2
West
1/8 - 1/4 Mile
Higher

KS WELLS KS6000000168656

Well id:	116337	County:	Douglas
Township:	12	Twtn dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NE NE NW
Longitude:	-95.23354	Latitude:	38.97069
Long lat t:	From PLSS	Owner:	Cramer 66 Service
Well use:	(unstated)/abandoned		
Comple dat:	24-Sep-1997		
Status:	PLUGGED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	18	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	JB Environmental Drilling		

3
SW
1/8 - 1/4 Mile
Higher

KS WELLS KS6000000168497

Well id:	401048	County:	Douglas
Township:	12	Twtn dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	N2 N2 NW
Longitude:	-95.232861	Latitude:	38.969389
Long lat t:	GPS	Owner:	City of Lawrence
Well use:	Dewatering		
Comple dat:	09-Nov-2006		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	3rd and North Sts, Lawrence		
Well depth:	46	Elev:	816

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	8	Est yield:	Not Reported
Driller:	Griffin Dewatering Corporation		

**B4
SSE
1/4 - 1/2 Mile
Higher**

KS WELLS KS6000000168374

Well id:	311578	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NE
Longitude:	-95.22789	Latitude:	38.96795
Long lat t:	From PLSS	Owner:	UtiliCorp United
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Apr-2000		
Status:	PLUGGED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	620 E 8th Street, Lawrence		
Well depth:	55	Elev:	Not Reported
Static dep:	32.84	Est yield:	Not Reported
Driller:	Hydro-Logic, Inc.		

**B5
SSE
1/4 - 1/2 Mile
Higher**

KS WELLS KS6000000168375

Well id:	347695	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NE
Longitude:	-95.22789	Latitude:	38.96795
Long lat t:	From PLSS	Owner:	UtiliCorp United
Well use:	Monitoring well/observation/piezometer		
Comple dat:	17-Mar-1998		
Status:	CONSTRUCTED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	620 E 8th St, Lawrence		
Well depth:	55	Elev:	Not Reported
Static dep:	32.84	Est yield:	Not Reported
Driller:	GeoCore Services Inc.		

**B6
SSE
1/4 - 1/2 Mile
Higher**

KS WELLS KS6000000168376

Well id:	347696	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NE
Longitude:	-95.22789	Latitude:	38.96795
Long lat t:	From PLSS	Owner:	UtiliCorp United
Well use:	Monitoring well/observation/piezometer		
Comple dat:	17-Mar-1998		
Status:	PLUGGED	Other id:	SB 2
Dwr number:	Not Reported		
Directions:	620 E 8th St, Lawrence		
Well depth:	55	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: Not Reported Est yield: Not Reported
 Driller: GeoCore Services Inc.

**C7
 West
 1/4 - 1/2 Mile
 Higher**

FRDS PWS KS2104501

Pwsid: KS2104501 Epa region: 07
 State: KS County: Douglas
 Pws name: AIRPORT MOTEL
 Population Served: 40 Pwssvconn: 17
 PWS Source: Groundwater
 Pws type: TNCWS
 Status: Closed Owner type: Private
 Facility id: 1
 Facility name: WELL
 Facility type: Well Treatment process: chlorination (frds-1.5)
 Treatment objective: disinfection
 Contact name: AIRPORT MOTEL
 Original name: Not Reported
 Contact phone: Not Reported Contact address1: PAUL PATEL, OWNER
 Contact address2: 1493 HWY 40
 Contact city: LAWRENCE
 Contact zip: 66044

Facility id: 1T
 Facility name: WELL
 Facility type: Treatment_plant Treatment process: chlorination (frds-1.5)
 Treatment objective: disinfection

PWS ID: KS2104501
 Date Initiated: 7706 Date Deactivated: Not Reported
 PWS Name: AIRPORT MOTEL
 RR 3 BOX 174 %JOANN MOREAU
 LAWRENCE, KS 66044

Addressee / Facility: System Owner/Responsible Party
 AIRPORT MOTEL
 RT 3 BOX 174 JOHN MOREAU MGR
 LAWRENCE, KS 66044

Facility Latitude: 38 58 18 Facility Longitude: 095 14 06
 City Served: LAWRENCE
 Treatment Class: Treated Population: 00000040

PWS currently has or had major violation(s) or enforcement: YES

VIOLATIONS INFORMATION:

Violation ID: 9300322 Source ID: Not Reported PWS Phone: Not Reported
 Vio. beginning Date: 09/01/93 Vio. end Date: 09/30/93 Vio. Period: 001 Months
 Num required Samples: Not Reported Number of Samples Taken: Not Reported
 Analysis Result: Not Reported Maximum Contaminant Level: Not Reported
 Analysis Method: Not Reported
 Violation Type: Monitoring, Routine Minor (TCR)
 Contaminant: COLIFORM (TCR)
 Vio. Awareness Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

8
SSE
1/4 - 1/2 Mile
Higher

KS WELLS KS6000000168322

Well id:	12248	County:	Douglas
Township:	12	Twn dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NE SW NE
Longitude:	-95.22902	Latitude:	38.96703
Long lat t:	From PLSS	Owner:	Patchen Electric and Ind. Supp
Well use:	Domestic		
Comple dat:	08-Sep-1992		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	602 E 9th, Lawrence		
Well depth:	96	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	20
Driller:	Tom Patchen Pump & Well Drlg.		

C9
West
1/4 - 1/2 Mile
Higher

FED USGS USGS40000361532

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385819095140801		
Monloc name:	12S 20E 30CD 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9719466
Longitude:	-95.2358056	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

10
East
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168658

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	12247	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NE NE NE
Longitude:	-95.2245	Latitude:	38.97072
Long lat t:	From PLSS	Owner:	Penny, Bill
Well use:	Industrial		
Comple dat:	23-Nov-1982		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	1000 E 8th St, Lawrence		
Well depth:	44	Elev:	Not Reported
Static dep:	23	Est yield:	97
Driller:	Strader Drilling Co., Inc.		

**11
ENE
1/4 - 1/2 Mile
Lower**

KS WELLS KS6000000168826

Well id:	12243	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	SE SE SE
Longitude:	-95.22452	Latitude:	38.97254
Long lat t:	From PLSS	Owner:	Chaney, John M.
Well use:	Domestic		
Comple dat:	07-Aug-1989		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	825 Locust, Lawrence		
Well depth:	35	Elev:	Not Reported
Static dep:	23	Est yield:	60
Driller:	Jungmann Bros Drilling Co.		

**D12
SSW
1/4 - 1/2 Mile
Higher**

KS WELLS KS6000000168317

Well id:	335026	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NE SE NW
Longitude:	-95.23355	Latitude:	38.96703
Long lat t:	From PLSS	Owner:	Schmalberg, Jeff
Well use:	Monitoring well/observation/piezometer		
Comple dat:	22-Oct-2002		
Status:	CONSTRUCTED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	900 New Hampshire, Lawrence		
Well depth:	16	Elev:	844.7

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	11.38	Est yield:	Not Reported
Driller:	Coranco Great Plains, Inc.		

**D13
SSW
1/4 - 1/2 Mile
Higher**

KS WELLS KS6000000168316

Well id:	335025	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NE SE NW
Longitude:	-95.23355	Latitude:	38.96703
Long lat t:	From PLSS	Owner:	Schmalberg, Jeff
Well use:	Monitoring well/observation/piezometer		
Comple dat:	21-Oct-2002		
Status:	CONSTRUCTED	Other id:	MW 2
Dwr number:	Not Reported		
Directions:	900 New Hampshire, Lawrence		
Well depth:	15.5	Elev:	843.0
Static dep:	13.78	Est yield:	Not Reported
Driller:	Coranco Great Plains, Inc.		

**D14
SSW
1/4 - 1/2 Mile
Higher**

KS WELLS KS6000000168315

Well id:	335024	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NE SE NW
Longitude:	-95.23355	Latitude:	38.96703
Long lat t:	From PLSS	Owner:	Schmalberg, Jeff
Well use:	Monitoring well/observation/piezometer		
Comple dat:	21-Oct-2002		
Status:	CONSTRUCTED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	900 New Hampshire, Lawrence		
Well depth:	18	Elev:	844.0
Static dep:	11.19	Est yield:	Not Reported
Driller:	Coranco Great Plains, Inc.		

**D15
SSW
1/4 - 1/2 Mile
Higher**

KS WELLS KS6000000168318

Well id:	335027	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NE SE NW
Longitude:	-95.23355	Latitude:	38.96703
Long lat t:	From PLSS	Owner:	Schmalberg, Jeff
Well use:	Monitoring well/observation/piezometer		
Comple dat:	22-Oct-2002		
Status:	CONSTRUCTED	Other id:	MW 4
Dwr number:	Not Reported		
Directions:	900 New Hampshire, Lawrence		
Well depth:	15.5	Elev:	842.7

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	14.8	Est yield:	Not Reported
Driller:	Coranco Great Plains, Inc.		

**D16
SSW
1/4 - 1/2 Mile
Higher**

KS WELLS KS6000000168321

Well id:	335030	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NE SE NW
Longitude:	-95.23355	Latitude:	38.96703
Long lat t:	From PLSS	Owner:	Schmalberg, Jeff
Well use:	Monitoring well/observation/piezometer		
Comple dat:	22-Oct-2002		
Status:	CONSTRUCTED	Other id:	MW 7
Dwr number:	Not Reported		
Directions:	900 New Hampshire, Lawrence		
Well depth:	16	Elev:	843.3
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Coranco Great Plains, Inc.		

**D17
SSW
1/4 - 1/2 Mile
Higher**

KS WELLS KS6000000168320

Well id:	335029	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NE SE NW
Longitude:	-95.23355	Latitude:	38.96703
Long lat t:	From PLSS	Owner:	Schmalberg, Jeff
Well use:	Monitoring well/observation/piezometer		
Comple dat:	22-Oct-2002		
Status:	CONSTRUCTED	Other id:	MW 6
Dwr number:	Not Reported		
Directions:	900 New Hampshire, Lawrence		
Well depth:	14.5	Elev:	842.9
Static dep:	13.87	Est yield:	Not Reported
Driller:	Coranco Great Plains, Inc.		

**D18
SSW
1/4 - 1/2 Mile
Higher**

KS WELLS KS6000000168319

Well id:	335028	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NE SE NW
Longitude:	-95.23355	Latitude:	38.96703
Long lat t:	From PLSS	Owner:	Schmalberg, Jeff
Well use:	Monitoring well/observation/piezometer		
Comple dat:	22-Oct-2002		
Status:	CONSTRUCTED	Other id:	MW 5
Dwr number:	Not Reported		
Directions:	900 New Hampshire, Lawrence		
Well depth:	18	Elev:	841.7

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 6.43 Est yield: Not Reported
 Driller: Coranco Great Plains, Inc.

**19
SW
1/4 - 1/2 Mile
Higher**

FED USGS USGS40000361488

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385806095140801		
Monloc name:	12S 20E 31BA 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9683356
Longitude:	-95.2358056	Sourcemap scale:	Not Reported
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	860.00
Vert measure units:	feet	Vertacc measure val:	3
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19330601	Welldepth:	160
Welldepth units:	ft	Wellholedepth:	160
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**E20
WSW
1/4 - 1/2 Mile
Higher**

KS WELLS KS6000000168369

Well id:	12252	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NW
Longitude:	-95.23694	Latitude:	38.96795
Long lat t:	From PLSS	Owner:	Cramer, Clyde
Well use:	Monitoring well/observation/piezometer		
Comple dat:	17-Mar-1993		
Status:	CONSTRUCTED	Other id:	MW 4
Dwr number:	Not Reported		
Directions:	1002 New Hampshire, Lawrence		
Well depth:	15	Elev:	849.4
Static dep:	11.56	Est yield:	Not Reported
Driller:	GeoCore Services Inc.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E21
WSW
1/4 - 1/2 Mile
Higher

KS WELLS KS6000000168368

Well id:	12251	County:	Douglas
Township:	12	Twtn dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NW
Longitude:	-95.23694	Latitude:	38.96795
Long lat t:	From PLSS	Owner:	Cramer, Clyde
Well use:	Monitoring well/observation/piezometer		
Comple dat:	17-Mar-1993		
Status:	CONSTRUCTED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	1002 New Hampshire, Lawrence		
Well depth:	17	Elev:	851.0
Static dep:	9.72	Est yield:	Not Reported
Driller:	GeoCore Services Inc.		

E22
WSW
1/4 - 1/2 Mile
Higher

KS WELLS KS6000000168367

Well id:	12250	County:	Douglas
Township:	12	Twtn dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NW
Longitude:	-95.23694	Latitude:	38.96795
Long lat t:	From PLSS	Owner:	Cramer, Clyde
Well use:	Monitoring well/observation/piezometer		
Comple dat:	17-Mar-1993		
Status:	CONSTRUCTED	Other id:	MW 2
Dwr number:	Not Reported		
Directions:	1002 New Hampshire, Lawrence		
Well depth:	18	Elev:	852.6
Static dep:	11.98	Est yield:	Not Reported
Driller:	GeoCore Services Inc.		

E23
WSW
1/4 - 1/2 Mile
Higher

KS WELLS KS6000000168370

Well id:	12253	County:	Douglas
Township:	12	Twtn dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NW
Longitude:	-95.23694	Latitude:	38.96795
Long lat t:	From PLSS	Owner:	Cramer, Clyde
Well use:	Monitoring well/observation/piezometer		
Comple dat:	18-Mar-1993		
Status:	CONSTRUCTED	Other id:	MW 6
Dwr number:	Not Reported		
Directions:	1002 New Hampshire, Lawrence		
Well depth:	16	Elev:	851.0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	11.31	Est yield:	Not Reported
Driller:	GeoCore Services Inc.		

**E24
WSW
1/4 - 1/2 Mile
Higher**

KS WELLS KS6000000168373

Well id:	12256	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NW
Longitude:	-95.23694	Latitude:	38.96795
Long lat t:	From PLSS	Owner:	Cramer, Clyde
Well use:	Monitoring well/observation/piezometer		
Comple dat:	16-Mar-1993		
Status:	CONSTRUCTED	Other id:	MW 8
Dwr number:	Not Reported		
Directions:	1002 New Hampshire, Lawrence		
Well depth:	18	Elev:	852.1
Static dep:	8.14	Est yield:	Not Reported
Driller:	GeoCore Services Inc.		

**E25
WSW
1/4 - 1/2 Mile
Higher**

KS WELLS KS6000000168372

Well id:	12255	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NW
Longitude:	-95.23694	Latitude:	38.96795
Long lat t:	From PLSS	Owner:	Cramer, Clyde
Well use:	Monitoring well/observation/piezometer		
Comple dat:	18-Mar-1993		
Status:	CONSTRUCTED	Other id:	MW 7
Dwr number:	Not Reported		
Directions:	1002 New Hampshire, Lawrence		
Well depth:	17.2	Elev:	851.7
Static dep:	14.1	Est yield:	Not Reported
Driller:	GeoCore Services Inc.		

**E26
WSW
1/4 - 1/2 Mile
Higher**

KS WELLS KS6000000168371

Well id:	12254	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NW
Longitude:	-95.23694	Latitude:	38.96795
Long lat t:	From PLSS	Owner:	Cramer, Clyde
Well use:	Monitoring well/observation/piezometer		
Comple dat:	18-Mar-1993		
Status:	CONSTRUCTED	Other id:	MW 5
Dwr number:	Not Reported		
Directions:	1002 New Hampshire, Lawrence		
Well depth:	17	Elev:	850.5

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 4.1 Est yield: Not Reported
 Driller: GeoCore Services Inc.

F27
East
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168659

Well id: 12288 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 32 Spot: NW NW NW
 Longitude: -95.22221 Latitude: 38.97072
 Long lat t: From PLSS Owner: FMC Corporation
 Well use: Monitoring well/observation/piezometer
 Comple dat: 26-Sep-1989
 Status: CONSTRUCTED Other id: Well 1
 Dwr number: Not Reported
 Directions: from 9th and Maple: 1 blk E, .5 blk S
 Well depth: 43 Elev: Not Reported
 Static dep: 27 Est yield: 10
 Driller: James Ray Smith Pump Service

F28
East
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168660

Well id: 96981 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 32 Spot: NW NW NW
 Longitude: -95.22221 Latitude: 38.97072
 Long lat t: From PLSS Owner: CITY OF LAWRENC
 Well use: Monitoring well/observation/piezometer
 Comple dat: 27-Dec-1994
 Status: CONSTRUCTED Other id: Not Reported
 Dwr number: Not Reported
 Directions: 8TH ST ON E EDGE OF LAWRENCE KS AT WASTE WATER TREATMENT PLANT
 Well depth: 38 Elev: Not Reported
 Static dep: 25 Est yield: Not Reported
 Driller: Layne-Christensen Co.

F29
East
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168661

Well id: 347700 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 32 Spot: NW NW NW
 Longitude: -95.22221 Latitude: 38.97072
 Long lat t: From PLSS Owner: City of Lawrence/Larry Warner
 Well use: Monitoring well/observation/piezometer
 Comple dat: 27-Dec-1995
 Status: CONSTRUCTED Other id: SW 2-1
 Dwr number: Not Reported
 Directions: Wastewater Treatment Plant, 8th St on E edge of Lawrence
 Well depth: 38 Elev: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Layne-Christensen Co.		

30
SSW
1/4 - 1/2 Mile
Higher

KS WELLS KS6000000168190

Well id:	12249	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SE SE NW
Longitude:	-95.23355	Latitude:	38.9652
Long lat t:	From PLSS	Owner:	Cramer, Clyde
Well use:	Monitoring well/observation/piezometer		
Comple dat:	16-Mar-1993		
Status:	CONSTRUCTED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	1002 New Hampshire, Lawrence		
Well depth:	16	Elev:	847.4
Static dep:	9.9	Est yield:	Not Reported
Driller:	GeoCore Services Inc.		

G31
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168471

Well id:	348093	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	SW NW NW
Longitude:	-95.22221	Latitude:	38.96887
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	05-May-2004		
Status:	PLUGGED	Other id:	SW 19
Dwr number:	Not Reported		
Directions:	1400 E 8th St, Lawrence Wastewater Treatment Plant		
Well depth:	33	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Tom Patchen Pump & Well Drlg.		

G32
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168470

Well id:	348092	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	SW NW NW
Longitude:	-95.22221	Latitude:	38.96887
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	05-May-2004		
Status:	PLUGGED	Other id:	SW 08
Dwr number:	Not Reported		
Directions:	1400 E 8th St, Lawrence Wastewater Treatment Plant		
Well depth:	37	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 32 Est yield: Not Reported
 Driller: Tom Patchen Pump & Well Drlg.

G33
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168473

Well id: 348095 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 32 Spot: SW NW NW
 Longitude: -95.22221 Latitude: 38.96887
 Long lat t: From PLSS Owner: City of Lawrence
 Well use: Monitoring well/observation/piezometer
 Comple dat: 05-May-2004
 Status: PLUGGED Other id: SW 21
 Dwr number: Not Reported
 Directions: 1400 E 8th St, Lawrence Wastewater Treatment Plant
 Well depth: 39 Elev: Not Reported
 Static dep: 29 Est yield: Not Reported
 Driller: Tom Patchen Pump & Well Drlg.

G34
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168472

Well id: 348094 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 32 Spot: SW NW NW
 Longitude: -95.22221 Latitude: 38.96887
 Long lat t: From PLSS Owner: City of Lawrence
 Well use: Monitoring well/observation/piezometer
 Comple dat: 05-May-2004
 Status: PLUGGED Other id: SW 20
 Dwr number: Not Reported
 Directions: 1400 E 8th St, Lawrence Wastewater Treatment Plant
 Well depth: 39 Elev: Not Reported
 Static dep: 29 Est yield: Not Reported
 Driller: Tom Patchen Pump & Well Drlg.

G35
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168467

Well id: 348089 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 32 Spot: SW NW NW
 Longitude: -95.22221 Latitude: 38.96887
 Long lat t: From PLSS Owner: City of Lawrence
 Well use: Monitoring well/observation/piezometer
 Comple dat: 05-May-2004
 Status: PLUGGED Other id: SW 10-1
 Dwr number: Not Reported
 Directions: 1400 E 8th St, Lawrence Wastewater Treatment Plant
 Well depth: 39 Elev: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 31 Est yield: Not Reported
 Driller: Tom Patchen Pump & Well Drlg.

G36
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168466

Well id: 348088 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 32 Spot: SW NW NW
 Longitude: -95.22221 Latitude: 38.96887
 Long lat t: From PLSS Owner: City of Lawrence
 Well use: Monitoring well/observation/piezometer
 Comple dat: 05-May-2004
 Status: PLUGGED Other id: SW 14
 Dwr number: Not Reported
 Directions: 1400 E 8th St, Lawrence Wastewater Treatment Plant
 Well depth: 33 Elev: Not Reported
 Static dep: 29 Est yield: Not Reported
 Driller: Tom Patchen Pump & Well Drlg.

G37
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168469

Well id: 348091 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 32 Spot: SW NW NW
 Longitude: -95.22221 Latitude: 38.96887
 Long lat t: From PLSS Owner: City of Lawrence
 Well use: Monitoring well/observation/piezometer
 Comple dat: 05-May-2004
 Status: PLUGGED Other id: SW 06
 Dwr number: Not Reported
 Directions: 1400 E 8th St, Lawrence Wastewater Treatment Plant
 Well depth: 26 Elev: Not Reported
 Static dep: Not Reported Est yield: Not Reported
 Driller: Tom Patchen Pump & Well Drlg.

G38
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168468

Well id: 348090 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 32 Spot: SW NW NW
 Longitude: -95.22221 Latitude: 38.96887
 Long lat t: From PLSS Owner: City of Lawrence
 Well use: Monitoring well/observation/piezometer
 Comple dat: 05-May-2004
 Status: PLUGGED Other id: SW 09
 Dwr number: Not Reported
 Directions: 1400 E 8th St, Lawrence Wastewater Treatment Plant
 Well depth: 38 Elev: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 33 Est yield: Not Reported
 Driller: Tom Patchen Pump & Well Drlg.

G39
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168474

Well id: 348096 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 32 Spot: SW NW NW
 Longitude: -95.22221 Latitude: 38.96887
 Long lat t: From PLSS Owner: City of Lawrence
 Well use: Monitoring well/observation/piezometer
 Comple dat: 05-May-2004
 Status: PLUGGED Other id: SW 22
 Dwr number: Not Reported
 Directions: 1400 E 8th St, Lawrence Wastewater Treatment Plant
 Well depth: 39 Elev: Not Reported
 Static dep: 22 Est yield: Not Reported
 Driller: Tom Patchen Pump & Well Drlg.

G40
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168480

Well id: 348102 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 32 Spot: SW NW NW
 Longitude: -95.22221 Latitude: 38.96887
 Long lat t: From PLSS Owner: City of Lawrence
 Well use: Monitoring well/observation/piezometer
 Comple dat: 05-May-2004
 Status: PLUGGED Other id: SW 01
 Dwr number: Not Reported
 Directions: 1400 E 8th St, Lawrence Wastewater Treatment Plant
 Well depth: 31 Elev: Not Reported
 Static dep: 21 Est yield: Not Reported
 Driller: Tom Patchen Pump & Well Drlg.

G41
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168479

Well id: 348101 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 32 Spot: SW NW NW
 Longitude: -95.22221 Latitude: 38.96887
 Long lat t: From PLSS Owner: City of Lawrence
 Well use: Monitoring well/observation/piezometer
 Comple dat: 05-May-2004
 Status: PLUGGED Other id: SW 2-1
 Dwr number: Not Reported
 Directions: 1400 E 8th St, Lawrence Wastewater Treatment Plant
 Well depth: 39 Elev: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 29 Est yield: Not Reported
 Driller: Tom Patchen Pump & Well Drlg.

G42
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168482

Well id: 348104 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 32 Spot: SW NW NW
 Longitude: -95.22221 Latitude: 38.96887
 Long lat t: From PLSS Owner: City of Lawrence
 Well use: Monitoring well/observation/piezometer
 Comple dat: 05-May-2004
 Status: PLUGGED Other id: SW 13
 Dwr number: Not Reported
 Directions: 1400 E 8th St, Lawrence Wastewater Treatment Plant
 Well depth: 33 Elev: Not Reported
 Static dep: 29 Est yield: Not Reported
 Driller: Tom Patchen Pump & Well Drlg.

G43
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168481

Well id: 348103 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 32 Spot: SW NW NW
 Longitude: -95.22221 Latitude: 38.96887
 Long lat t: From PLSS Owner: City of Lawrence
 Well use: Monitoring well/observation/piezometer
 Comple dat: 05-May-2004
 Status: PLUGGED Other id: SW 11
 Dwr number: Not Reported
 Directions: 1400 E 8th St, Lawrence Wastewater Treatment Plant
 Well depth: 34 Elev: Not Reported
 Static dep: 29 Est yield: Not Reported
 Driller: Tom Patchen Pump & Well Drlg.

G44
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168476

Well id: 348098 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 32 Spot: SW NW NW
 Longitude: -95.22221 Latitude: 38.96887
 Long lat t: From PLSS Owner: City of Lawrence
 Well use: Monitoring well/observation/piezometer
 Comple dat: 05-May-2004
 Status: PLUGGED Other id: SW 05
 Dwr number: Not Reported
 Directions: 1400 E 8th St, Lawrence Wastewater Treatment Plant
 Well depth: 32 Elev: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 29 Est yield: Not Reported
 Driller: Tom Patchen Pump & Well Drlg.

G45
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168475

Well id:	348097	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	SW NW NW
Longitude:	-95.22221	Latitude:	38.96887
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	05-May-2004		
Status:	PLUGGED	Other id:	SW 16
Dwr number:	Not Reported		
Directions:	1400 E 8th St, Lawrence Wastewater Treatment Plant		
Well depth:	38	Elev:	Not Reported
Static dep:	27	Est yield:	Not Reported
Driller:	Tom Patchen Pump & Well Drlg.		

G46
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168478

Well id:	348100	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	SW NW NW
Longitude:	-95.22221	Latitude:	38.96887
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	05-May-2004		
Status:	PLUGGED	Other id:	SW 03
Dwr number:	Not Reported		
Directions:	1400 E 8th St, Lawrence Wastewater Treatment Plant		
Well depth:	31	Elev:	Not Reported
Static dep:	29	Est yield:	Not Reported
Driller:	Tom Patchen Pump & Well Drlg.		

G47
ESE
1/4 - 1/2 Mile
Lower

KS WELLS KS6000000168477

Well id:	348099	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	SW NW NW
Longitude:	-95.22221	Latitude:	38.96887
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	05-May-2004		
Status:	PLUGGED	Other id:	SW 04
Dwr number:	Not Reported		
Directions:	1400 E 8th St, Lawrence Wastewater Treatment Plant		
Well depth:	32	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 28 Est yield: Not Reported
 Driller: Tom Patchen Pump & Well Drlg.

**48
 NW
 1/4 - 1/2 Mile
 Lower**

KS WELLS KS6000000169021

Well id:	347694	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	SW
Longitude:	-95.23695	Latitude:	38.97519
Long lat t:	From PLSS	Owner:	Billings, M.J.
Well use:	Domestic		
Comple dat:	07-Mar-1963		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	56	Elev:	Not Reported
Static dep:	28	Est yield:	25
Driller:	Breuer Drilling Co.		

**49
 WNW
 1/4 - 1/2 Mile
 Higher**

FED USGS USGS40000361542

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385822095142001		
Monloc name:	12S 20E 30CCA 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9727799
Longitude:	-95.239139	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	845.00
Vert measure units:	feet	Vertacc measure val:	10.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	222
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

50
NNW
1/4 - 1/2 Mile
Higher

KS WELLS KS6000000169122

Well id:	12244	County:	Douglas
Township:	12	Twtn dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE SW
Longitude:	-95.2336	Latitude:	38.9779
Long lat t:	From PLSS	Owner:	Zeller, Leonard J.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	14-Sep-1990		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Lot 1, N Lawrence Addition		
Well depth:	16.6	Elev:	Not Reported
Static dep:	11.3	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

H51
SW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168193

Well id:	12259	County:	Douglas
Township:	12	Twtn dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SE NW
Longitude:	-95.23581	Latitude:	38.96521
Long lat t:	From PLSS	Owner:	J Hawk Corp.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	05-Jan-1994		
Status:	CONSTRUCTED	Other id:	MW 5
Dwr number:	Not Reported		
Directions:	1000 Massachusetts		
Well depth:	18.3	Elev:	856.7
Static dep:	8.7	Est yield:	Not Reported
Driller:	Geotechnology, Inc.		

H52
SW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168194

Well id:	12260	County:	Douglas
Township:	12	Twtn dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SE NW
Longitude:	-95.23581	Latitude:	38.96521
Long lat t:	From PLSS	Owner:	J Hawk Corp.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	05-Jan-1994		
Status:	CONSTRUCTED	Other id:	MW 4
Dwr number:	Not Reported		
Directions:	1000 Massachusetts		
Well depth:	19.7	Elev:	857.1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	9.4	Est yield:	Not Reported
Driller:	Geotechnology, Inc.		

**H53
SW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168191

Well id:	12257	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SE NW
Longitude:	-95.23581	Latitude:	38.96521
Long lat t:	From PLSS	Owner:	J Hawk Corp.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	04-Jan-1994		
Status:	CONSTRUCTED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	1000 Massachusetts		
Well depth:	22.3	Elev:	856.7
Static dep:	11.9	Est yield:	Not Reported
Driller:	Geotechnology, Inc.		

**H54
SW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168192

Well id:	12258	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SE NW
Longitude:	-95.23581	Latitude:	38.96521
Long lat t:	From PLSS	Owner:	J Hawk Corp.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	04-Jan-1994		
Status:	CONSTRUCTED	Other id:	MW 2
Dwr number:	Not Reported		
Directions:	1000 Massachusetts		
Well depth:	20.24	Elev:	856.8
Static dep:	10.99	Est yield:	Not Reported
Driller:	Geotechnology, Inc.		

**H55
SW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168195

Well id:	12261	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SE NW
Longitude:	-95.23581	Latitude:	38.96521
Long lat t:	From PLSS	Owner:	J Hawk Corp.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Jan-1994		
Status:	CONSTRUCTED	Other id:	MW 6
Dwr number:	Not Reported		
Directions:	1000 Massachusetts		
Well depth:	19.78	Elev:	856.5

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 14.6 Est yield: Not Reported
 Driller: Geotechnology, Inc.

**H56
SW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168198

Well id:	341772	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SE NW
Longitude:	-95.23581	Latitude:	38.96521
Long lat t:	From PLSS	Owner:	Harren, Mark
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Oct-2003		
Status:	CONSTRUCTED	Other id:	MW 9
Dwr number:	Not Reported		
Directions:	1000 Massachusetts, Lawrence		
Well depth:	20	Elev:	855
Static dep:	18.08	Est yield:	Not Reported
Driller:	Quad State Services, Inc.		

**H57
SW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168199

Well id:	347699	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SE NW
Longitude:	-95.23581	Latitude:	38.96521
Long lat t:	From PLSS	Owner:	J Hawk Corp.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Jan-1994		
Status:	CONSTRUCTED	Other id:	MW 8
Dwr number:	Not Reported		
Directions:	1000 Massachussets		
Well depth:	19.8	Elev:	855.9
Static dep:	14.8	Est yield:	Not Reported
Driller:	Geotechnology, Inc.		

**H58
SW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168196

Well id:	12262	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SE NW
Longitude:	-95.23581	Latitude:	38.96521
Long lat t:	From PLSS	Owner:	J-HAWK CORP
Well use:	Monitoring well/observation/piezometer		
Comple dat:	01-Jan-1994		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	1000 MASSACHUSETTS		
Well depth:	21	Elev:	855

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	21	Est yield:	Not Reported
Driller:	Geotechnology, Inc.		

**H59
SW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168197

Well id:	12263	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SE NW
Longitude:	-95.23581	Latitude:	38.96521
Long lat t:	From PLSS	Owner:	J Hawk Corp.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Jan-1994		
Status:	CONSTRUCTED	Other id:	MW 7
Dwr number:	Not Reported		
Directions:	1000 Massachusetts		
Well depth:	21	Elev:	855.9
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geotechnology, Inc.		

**60
NE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169054

Well id:	346336	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	SW NW SW
Longitude:	-95.22227	Latitude:	38.97615
Long lat t:	From PLSS	Owner:	Lipp, Michael and Vicky
Well use:	Lawn and Garden - domestic only		
Comple dat:	14-Apr-2004		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	808 Elm St, Lawrence		
Well depth:	56	Elev:	Not Reported
Static dep:	24	Est yield:	50
Driller:	Evans Energy Development, Inc.		

**I61
WSW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168448

Well id:	387517	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	09-May-2006		
Status:	CONSTRUCTED	Other id:	MW 4
Dwr number:	Not Reported		
Directions:	829 Ohio St, Lawrence		
Well depth:	20	Elev:	854.1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	9.91	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

162
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168447

Well id:	387515	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	08-May-2006		
Status:	CONSTRUCTED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	838 Louisiana St, Lawrence		
Well depth:	20	Elev:	856.1
Static dep:	11.7	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

163
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168446

Well id:	387514	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	08-May-2006		
Status:	CONSTRUCTED	Other id:	MW 2
Dwr number:	Not Reported		
Directions:	838 Louisiana St, Lawrence		
Well depth:	20	Elev:	857.0
Static dep:	12.01	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

164
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168451

Well id:	387520	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	10-May-2006		
Status:	CONSTRUCTED	Other id:	MW 8
Dwr number:	Not Reported		
Directions:	824 Louisiana St, Lawrence		
Well depth:	25	Elev:	856.5

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 11.3 Est yield: Not Reported
 Driller: Larsen and Associates, Inc.

165
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168450

Well id: 387519 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 31 Spot: SW NW NW
 Longitude: -95.24033 Latitude: 38.96885
 Long lat t: From PLSS Owner: KDHE-BER
 Well use: Monitoring well/observation/piezometer
 Comple dat: 09-May-2006
 Status: CONSTRUCTED Other id: MW 6
 Dwr number: Not Reported
 Directions: 824 Louisiana St, Lawrence
 Well depth: 20 Elev: 854.3
 Static dep: 11 Est yield: Not Reported
 Driller: Larsen and Associates, Inc.

166
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168449

Well id: 387518 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 31 Spot: SW NW NW
 Longitude: -95.24033 Latitude: 38.96885
 Long lat t: From PLSS Owner: KDHE-BER
 Well use: Monitoring well/observation/piezometer
 Comple dat: 09-May-2006
 Status: CONSTRUCTED Other id: MW 5
 Dwr number: Not Reported
 Directions: 833 Ohio St, Lawrence
 Well depth: 20 Elev: 852.1
 Static dep: 10.1 Est yield: Not Reported
 Driller: Larsen and Associates, Inc.

167
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168445

Well id: 387726 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 31 Spot: SW NW NW
 Longitude: -95.24033 Latitude: 38.96885
 Long lat t: From PLSS Owner: KDHE-BER
 Well use: Monitoring well/observation/piezometer
 Comple dat: 23-May-2006
 Status: CONSTRUCTED Other id: SVE 7
 Dwr number: Not Reported
 Directions: 842 Louisiana St, Lawrence
 Well depth: 20 Elev: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

168
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168441

Well id:	387722	County:	Douglas
Township:	12	TwN dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	23-May-2006		
Status:	CONSTRUCTED	Other id:	SVE 3
Dwr number:	Not Reported		
Directions:	842 Louisiana St, Lawrence		
Well depth:	20	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

169
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168440

Well id:	387721	County:	Douglas
Township:	12	TwN dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	23-May-2006		
Status:	CONSTRUCTED	Other id:	SVE 2
Dwr number:	Not Reported		
Directions:	842 Louisiana St, Lawrence		
Well depth:	20	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

170
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168439

Well id:	387720	County:	Douglas
Township:	12	TwN dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	23-May-2006		
Status:	CONSTRUCTED	Other id:	SVE 1
Dwr number:	Not Reported		
Directions:	842 Louisiana St, Lawrence		
Well depth:	20	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

171
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168444

Well id:	387725	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	23-May-2006		
Status:	CONSTRUCTED	Other id:	SVE 6
Dwr number:	Not Reported		
Directions:	842 Louisiana St, Lawrence		
Well depth:	20	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

172
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168443

Well id:	387724	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	23-May-2006		
Status:	CONSTRUCTED	Other id:	SVE 5
Dwr number:	Not Reported		
Directions:	842 Louisiana St, Lawrence		
Well depth:	20	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

173
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168442

Well id:	387723	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	23-May-2006		
Status:	CONSTRUCTED	Other id:	SVE 4
Dwr number:	Not Reported		
Directions:	842 Louisiana St, Lawrence		
Well depth:	20	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

174
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168461

Well id:	387530	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	15-May-2006		
Status:	CONSTRUCTED	Other id:	MW 21
Dwr number:	Not Reported		
Directions:	824 Ohio, Lawrence		
Well depth:	20	Elev:	850.6
Static dep:	9.11	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

175
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168460

Well id:	387529	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	12-May-2006		
Status:	CONSTRUCTED	Other id:	MW 19
Dwr number:	Not Reported		
Directions:	816 Ohio, Lawrence		
Well depth:	20	Elev:	848.5
Static dep:	8.73	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

176
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168459

Well id:	387528	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	12-May-2006		
Status:	CONSTRUCTED	Other id:	MW 18
Dwr number:	Not Reported		
Directions:	E side of alley behind 820 Ohio, Lawrence		
Well depth:	20	Elev:	847.6

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 9.23 Est yield: Not Reported
 Driller: Larsen and Associates, Inc.

177
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168464

Well id:	387533	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	16-May-2006		
Status:	CONSTRUCTED	Other id:	MW 25
Dwr number:	Not Reported		
Directions:	817 Tennessee St, NW corner of property, Lawrence		
Well depth:	20	Elev:	847.3
Static dep:	9.75	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

178
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168463

Well id:	387532	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	16-May-2006		
Status:	CONSTRUCTED	Other id:	MW 24
Dwr number:	Not Reported		
Directions:	831 Tennessee St, NW corner of property, Lawrence		
Well depth:	20	Elev:	847.8
Static dep:	7.74	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

179
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168462

Well id:	387531	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	15-May-2006		
Status:	CONSTRUCTED	Other id:	MW 22
Dwr number:	Not Reported		
Directions:	841 Louisiana, Lawrence		
Well depth:	20	Elev:	858.5

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	12.49	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

**180
WSW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168458

Well id:	387527	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	12-May-2006		
Status:	CONSTRUCTED	Other id:	MW 17
Dwr number:	Not Reported		
Directions:	833 Ohio, Lawrence		
Well depth:	20	Elev:	855.2
Static dep:	10.9	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

**181
WSW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168454

Well id:	387523	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	10-May-2006		
Status:	CONSTRUCTED	Other id:	MW 11
Dwr number:	Not Reported		
Directions:	832 Louisiana St, Lawrence		
Well depth:	20	Elev:	856.8
Static dep:	11.4	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

**182
WSW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168453

Well id:	387522	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	08-May-2006		
Status:	CONSTRUCTED	Other id:	MW 10
Dwr number:	Not Reported		
Directions:	828 Louisiana St, Lawrence		
Well depth:	20	Elev:	856.3

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	10.96	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

183
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168452

Well id:	387521	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	10-May-2006		
Status:	CONSTRUCTED	Other id:	MW 9
Dwr number:	Not Reported		
Directions:	E side of alley behind 824 Louisiana St, Lawrence		
Well depth:	20	Elev:	852.9
Static dep:	10.15	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

184
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168457

Well id:	387526	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	12-May-2006		
Status:	CONSTRUCTED	Other id:	MW 15
Dwr number:	Not Reported		
Directions:	832 Ohio, Lawrence		
Well depth:	20	Elev:	851.5
Static dep:	9.5	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

185
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168456

Well id:	387525	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	12-May-2006		
Status:	CONSTRUCTED	Other id:	MW 14
Dwr number:	Not Reported		
Directions:	833 Ohio, Lawrence		
Well depth:	20	Elev:	852.6

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 7.2 Est yield: Not Reported
 Driller: Larsen and Associates, Inc.

I86
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168455

Well id:	387524	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW NW NW
Longitude:	-95.24033	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	10-May-2006		
Status:	CONSTRUCTED	Other id:	MW 12
Dwr number:	Not Reported		
Directions:	835 Ohio St, Lawrence		
Well depth:	20	Elev:	856.4
Static dep:	10.31	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

J87
SE
1/2 - 1 Mile
Higher

KS WELLS KS6000000168224

Well id:	320903	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	C SW NW
Longitude:	-95.22105	Latitude:	38.96609
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Dewatering		
Comple dat:	12-Oct-2000		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	1400 E 8th St		
Well depth:	46	Elev:	826
Static dep:	15	Est yield:	Not Reported
Driller:	Griffin Dewatering Corporation		

J88
SE
1/2 - 1 Mile
Higher

KS WELLS KS6000000168225

Well id:	320904	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	C SW NW
Longitude:	-95.22105	Latitude:	38.96609
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Dewatering		
Comple dat:	12-Oct-2000		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	1400 E 8th St		
Well depth:	43	Elev:	820

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 11 Est yield: Not Reported
 Driller: Griffin Dewatering Corporation

**K89
 WSW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000168333

Well id:	387534	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NW SW NW
Longitude:	-95.24033	Latitude:	38.96704
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	08-May-2006		
Status:	CONSTRUCTED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	842 Louisiana St, Lawrence		
Well depth:	20	Elev:	858.1
Static dep:	13.42	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

**K90
 WSW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000168332

Well id:	387516	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NW SW NW
Longitude:	-95.24033	Latitude:	38.96704
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	15-May-2006		
Status:	CONSTRUCTED	Other id:	MW 23
Dwr number:	Not Reported		
Directions:	842 Louisiana, Lawrence		
Well depth:	20	Elev:	858.2
Static dep:	18.85	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

**K91
 WSW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000168335

Well id:	387536	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NW SW NW
Longitude:	-95.24033	Latitude:	38.96704
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	12-May-2006		
Status:	CONSTRUCTED	Other id:	MW 16
Dwr number:	Not Reported		
Directions:	842 Louisiana, Lawrence		
Well depth:	20	Elev:	857.4

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	12.1	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

K92
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168334

Well id:	387535	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	NW SW NW
Longitude:	-95.24033	Latitude:	38.96704
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	10-May-2006		
Status:	CONSTRUCTED	Other id:	MW 13
Dwr number:	Not Reported		
Directions:	602 W 9th St, SE corner of property, Lawrence		
Well depth:	20	Elev:	858.6
Static dep:	12.3	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

L93
NNW
1/2 - 1 Mile
Higher

FED USGS USGS40000361615

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385845095140802		
Monloc name:	12S 20E 30BD 02		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9791687
Longitude:	-95.2358056	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	820.0
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported		
Welldepth units:	ft	Welldepth:	27
Wellholedepth units:	Not Reported	Wellholedepth:	Not Reported

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

L94
NNW
1/2 - 1 Mile
Higher

FED USGS USGS40000361614

Org. Identifier:	USGS-KS			
Formal name:	USGS Kansas Water Science Center			
Monloc Identifier:	USGS-385845095140801			
Monloc name:	12S 20E 30BD 01			
Monloc type:	Well			
Monloc desc:	Not Reported			
Huc code:	10270104	Drainagearea value:	Not Reported	
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported	
Contrib drainagearea units:	Not Reported	Latitude:	38.9791687	
Longitude:	-95.2358056	Sourcemap scale:	24000	
Horiz Acc measure:	1	Horiz Acc measure units:	minutes	
Horiz Collection method:	Interpolated from map			
Horiz coord refsys:	NAD83	Vert measure val:	823.00	
Vert measure units:	feet	Vertacc measure val:	1	
Vert accmeasure units:	feet			
Vertcollection method:	Level or other surveying method			
Vert coord refsys:	NGVD29	Countrycode:	US	
Aquifername:	Alluvial aquifers			
Formation type:	Quaternary Alluvium			
Aquifer type:	Not Reported			
Construction date:	Not Reported		Welldepth:	29
Welldepth units:	ft	Wellholedepth:	Not Reported	
Wellholedepth units:	Not Reported			

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1940-11-01	21.30	

95
NE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169169

Well id:	12216	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NW NW SW
Longitude:	-95.2223	Latitude:	38.97795
Long lat t:	From PLSS	Owner:	Holladay, Lenard
Well use:	Lawn and Garden - domestic only		
Comple dat:	29-Jun-1977		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	718 Locust St, Lawrence		
Well depth:	60	Elev:	819

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 40 Est yield: 50
 Driller: Strader Drilling Co., Inc.

M96
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40000361494

Org. Identifier: USGS-KS
 Formal name: USGS Kansas Water Science Center
 Monloc Identifier: USGS-385809095130601
 Monloc name: 12S 20E 32BAB 01
 Monloc type: Well
 Monloc desc: Not Reported
 Huc code: 10270104 Drainagearea value: Not Reported
 Drainagearea Units: Not Reported Contrib drainagearea: Not Reported
 Contrib drainagearea units: Not Reported Latitude: 38.969169
 Longitude: -95.2185831 Sourcemap scale: 24000
 Horiz Acc measure: 10 Horiz Acc measure units: seconds
 Horiz Collection method: Interpolated from map
 Horiz coord refsys: NAD83 Vert measure val: 812.70
 Vert measure units: feet Vertacc measure val: .1
 Vert accmeasure units: feet
 Vertcollection method: Level or other surveying method
 Vert coord refsys: NGVD29 Countrycode: US
 Aquifername: Alluvial aquifers
 Formation type: Not Reported
 Aquifer type: Not Reported
 Construction date: Not Reported Welldepth: 39
 Welldepth units: ft Wellholedepth: Not Reported
 Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1970-03-30	20.12		1968-06-20	17.51	
1968-06-01	17.50				

M97
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40000361495

Org. Identifier: USGS-KS
 Formal name: USGS Kansas Water Science Center
 Monloc Identifier: USGS-385809095130602
 Monloc name: 12S 20E 32BAB 02
 Monloc type: Well
 Monloc desc: Not Reported
 Huc code: 10270104 Drainagearea value: Not Reported
 Drainagearea Units: Not Reported Contrib drainagearea: Not Reported
 Contrib drainagearea units: Not Reported Latitude: 38.969169
 Longitude: -95.2185831 Sourcemap scale: 24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	812.70
Vert measure units:	feet	Vertacc measure val:	.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	22
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1970-03-30	20.12		1968-06-20	15.82	
1968-06-01	15.80				

**N98
ESE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168356

Well id:	12268	County:	Douglas
Township:	12	Twn dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW
Longitude:	-95.21873	Latitude:	38.96793
Long lat t:	From PLSS	Owner:	Lawrence Wastewater Plant
Well use:	Other		
Comple dat:	20-Oct-1976		
Status:	PLUGGED	Other id:	SW 9
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	43	Elev:	828
Static dep:	29.75	Est yield:	Not Reported
Driller:	Layne-Western		

**N99
ESE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168357

Well id:	12269	County:	Douglas
Township:	12	Twn dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW
Longitude:	-95.21873	Latitude:	38.96793
Long lat t:	From PLSS	Owner:	Lawrence Wastewater Plant
Well use:	Other		
Comple dat:	19-Oct-1976		
Status:	PLUGGED	Other id:	SW 10
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	41	Elev:	826

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	30.08	Est yield:	Not Reported
Driller:	Layne-Western		

**N100
ESE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168358

Well id:	12270	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW
Longitude:	-95.21873	Latitude:	38.96793
Long lat t:	From PLSS	Owner:	Lawrence Wastewater Plant
Well use:	Other		
Comple dat:	21-Oct-1976		
Status:	PLUGGED	Other id:	SW 8
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	31	Elev:	816
Static dep:	29.17	Est yield:	Not Reported
Driller:	Layne-Western		

**N101
ESE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168355

Well id:	12267	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW
Longitude:	-95.21873	Latitude:	38.96793
Long lat t:	From PLSS	Owner:	Lawrence Wastewater Plant
Well use:	Other		
Comple dat:	08-Oct-1976		
Status:	PLUGGED	Other id:	SW 2
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	31	Elev:	816
Static dep:	26	Est yield:	Not Reported
Driller:	Layne-Western		

**N102
ESE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168352

Well id:	12264	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW
Longitude:	-95.21873	Latitude:	38.96793
Long lat t:	From PLSS	Owner:	Lawrence Wastewater Plant
Well use:	Other		
Comple dat:	07-Oct-1976		
Status:	PLUGGED	Other id:	SW 13
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	30	Elev:	815

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	25.33	Est yield:	Not Reported
Driller:	Layne-Western		

**N103
ESE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168353

Well id:	12265	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW
Longitude:	-95.21873	Latitude:	38.96793
Long lat t:	From PLSS	Owner:	Lawrence Wastewater Plant
Well use:	Other		
Comple dat:	14-Oct-1976		
Status:	PLUGGED	Other id:	SW 15
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	31	Elev:	816
Static dep:	23.13	Est yield:	Not Reported
Driller:	Layne-Western		

**N104
ESE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168354

Well id:	12266	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW
Longitude:	-95.21873	Latitude:	38.96793
Long lat t:	From PLSS	Owner:	Lawrence Wastewater Plant
Well use:	Other		
Comple dat:	13-Oct-1976		
Status:	PLUGGED	Other id:	SW 1
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	29	Elev:	814
Static dep:	21.17	Est yield:	Not Reported
Driller:	Layne-Western		

**N105
ESE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168359

Well id:	12271	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW
Longitude:	-95.21873	Latitude:	38.96793
Long lat t:	From PLSS	Owner:	Lawrence Wastewater Plant
Well use:	Other		
Comple dat:	14-Oct-1976		
Status:	PLUGGED	Other id:	SW 4
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	33	Elev:	818

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	26.83	Est yield:	Not Reported
Driller:	Layne-Western		

**N106
ESE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168364

Well id:	12277	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW
Longitude:	-95.21873	Latitude:	38.96793
Long lat t:	From PLSS	Owner:	Lawrence Wastewater Plant
Well use:	Other		
Comple dat:	18-Oct-1976		
Status:	PLUGGED	Other id:	SW 6
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	32	Elev:	817
Static dep:	23.17	Est yield:	Not Reported
Driller:	Layne-Western		

**N107
ESE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168365

Well id:	12278	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW
Longitude:	-95.21873	Latitude:	38.96793
Long lat t:	From PLSS	Owner:	Lawrence Wastewater Plant
Well use:	Other		
Comple dat:	19-Oct-1976		
Status:	PLUGGED	Other id:	SW 11
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	37	Elev:	822
Static dep:	28.08	Est yield:	Not Reported
Driller:	Layne-Western		

**N108
ESE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168366

Well id:	12279	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW
Longitude:	-95.21873	Latitude:	38.96793
Long lat t:	From PLSS	Owner:	Lawrence Wastewater Plant
Well use:	Other		
Comple dat:	18-Oct-1976		
Status:	PLUGGED	Other id:	SW 7
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	31	Elev:	816

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	25.33	Est yield:	Not Reported
Driller:	Layne-Western		

**N109
ESE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168363

Well id:	12275	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW
Longitude:	-95.21873	Latitude:	38.96793
Long lat t:	From PLSS	Owner:	Lawrence Wastewater Plant
Well use:	Other		
Comple dat:	21-Oct-1976		
Status:	PLUGGED	Other id:	SW 12
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	31	Elev:	816
Static dep:	27.83	Est yield:	Not Reported
Driller:	Layne-Western		

**N110
ESE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168360

Well id:	12272	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW
Longitude:	-95.21873	Latitude:	38.96793
Long lat t:	From PLSS	Owner:	Lawrence Wastewater Plant
Well use:	Other		
Comple dat:	12-Oct-1976		
Status:	PLUGGED	Other id:	SW 3
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	31	Elev:	816
Static dep:	24.08	Est yield:	Not Reported
Driller:	Layne-Western		

**N111
ESE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168361

Well id:	12273	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW
Longitude:	-95.21873	Latitude:	38.96793
Long lat t:	From PLSS	Owner:	Lawrence Wastewater Plant
Well use:	Other		
Comple dat:	15-Oct-1976		
Status:	PLUGGED	Other id:	SW 5
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	33	Elev:	818

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	26.83	Est yield:	Not Reported
Driller:	Layne-Western		

**N112
ESE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168362

Well id:	12274	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW
Longitude:	-95.21873	Latitude:	38.96793
Long lat t:	From PLSS	Owner:	Lawrence Wastewater Plant
Well use:	Other		
Comple dat:	21-Oct-1976		
Status:	PLUGGED	Other id:	SW 14
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	33	Elev:	818
Static dep:	25.5	Est yield:	Not Reported
Driller:	Layne-Western		

**113
SE
1/2 - 1 Mile
Higher**

FED USGS USGS40000361468

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385749095132201		
Monloc name:	12S 20E 32BCC 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9636136
Longitude:	-95.2230276	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	820.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	28
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

114
NNE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169246

Well id:	401047	County:	Douglas
Township:	12	Twn dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C W2 W2
Longitude:	-95.223278	Latitude:	38.979444
Long lat t:	GPS	Owner:	City of Lawrence
Well use:	Dewatering		
Comple dat:	14-Nov-2006		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	720 Grant St, Lawrence		
Well depth:	54	Elev:	825
Static dep:	19.5	Est yield:	Not Reported
Driller:	Griffin Dewatering Corporation		

115
SSW
1/2 - 1 Mile
Higher

FED USGS USGS40000361453

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385743095140401		
Monloc name:	12S 20E 31CAA 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9619468
Longitude:	-95.2346945	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	860.00
Vert measure units:	feet	Vertacc measure val:	10.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	19
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

O116
SW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168203

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	322090	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SW NW
Longitude:	-95.24033	Latitude:	38.96523
Long lat t:	From PLSS	Owner:	Cramer, Clyde
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Jul-2001		
Status:	PLUGGED	Other id:	MW 2
Dwr number:	Not Reported		
Directions:	1002 New Hampshire, Lawrence		
Well depth:	17	Elev:	Not Reported
Static dep:	5.79	Est yield:	Not Reported
Driller:	Quad State Services, Inc.		

**O117
SW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168202

Well id:	322089	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SW NW
Longitude:	-95.24033	Latitude:	38.96523
Long lat t:	From PLSS	Owner:	Cramer, Clyde
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Jul-2001		
Status:	PLUGGED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	1002 New Hampshire, Lawrence		
Well depth:	14	Elev:	Not Reported
Static dep:	6.24	Est yield:	Not Reported
Driller:	Quad State Services, Inc.		

**O118
SW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168201

Well id:	94692	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SW NW
Longitude:	-95.24033	Latitude:	38.96523
Long lat t:	From PLSS	Owner:	Cramer 66
Well use:	Monitoring well/observation/piezometer		
Comple dat:	01-Aug-1994		
Status:	CONSTRUCTED	Other id:	MW 9
Dwr number:	Not Reported		
Directions:	2417 Manchester, Lawrence		
Well depth:	17	Elev:	851.1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: Not Reported Est yield: Not Reported
 Driller: Jay C. Woofter Pump & Well, Inc.

O119
SW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168204

Well id:	322091	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SW NW
Longitude:	-95.24033	Latitude:	38.96523
Long lat t:	From PLSS	Owner:	Cramer, Clyde
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Jul-2001		
Status:	PLUGGED	Other id:	MW 4
Dwr number:	Not Reported		
Directions:	1002 New Hampshire, Lawrence		
Well depth:	15	Elev:	Not Reported
Static dep:	8.03	Est yield:	Not Reported
Driller:	Quad State Services, Inc.		

O120
SW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168207

Well id:	322094	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SW NW
Longitude:	-95.24033	Latitude:	38.96523
Long lat t:	From PLSS	Owner:	Cramer, Clyde
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Jul-2001		
Status:	PLUGGED	Other id:	MW 9
Dwr number:	Not Reported		
Directions:	1002 New Hampshire, Lawrence		
Well depth:	15	Elev:	Not Reported
Static dep:	8.94	Est yield:	Not Reported
Driller:	Quad State Services, Inc.		

O121
SW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168206

Well id:	322093	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SW NW
Longitude:	-95.24033	Latitude:	38.96523
Long lat t:	From PLSS	Owner:	Cramer, Clyde
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Jul-2001		
Status:	PLUGGED	Other id:	MW 7
Dwr number:	Not Reported		
Directions:	1002 New Hampshire, Lawrence		
Well depth:	17	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 6.81 Est yield: Not Reported
 Driller: Quad State Services, Inc.

**O122
 SW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000168205

Well id:	322092	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	31	Spot:	SW SW NW
Longitude:	-95.24033	Latitude:	38.96523
Long lat t:	From PLSS	Owner:	Cramer, Clyde
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Jul-2001		
Status:	PLUGGED	Other id:	MW 6
Dwr number:	Not Reported		
Directions:	1002 New Hampshire, Lawrence		
Well depth:	16	Elev:	Not Reported
Static dep:	5.99	Est yield:	Not Reported
Driller:	Quad State Services, Inc.		

**123
 WSW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000168438

Well id:	347577	County:	Douglas
Township:	12	Tw n dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	SE NE NE
Longitude:	-95.24261	Latitude:	38.96885
Long lat t:	From PLSS	Owner:	Total Petroleum Inc.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Jun-1997		
Status:	CONSTRUCTED	Other id:	MW 5
Dwr number:	2412263		
Directions:	2005 W 9th, Lawrence		
Well depth:	15.5	Elev:	Not Reported
Static dep:	10.5	Est yield:	Not Reported
Driller:	Geotechnical Services, Inc.		

**N124
 ESE
 1/2 - 1 Mile
 Lower**

FED USGS USGS40000361482

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385802095130501		
Monloc name:	12S 20E 32BAC 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9672246
Longitude:	-95.2183053	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure: 10	Horiz Acc measure units: seconds
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: 813.60
Vert measure units: feet	Vertacc measure val: .1
Vert accmeasure units: feet	
Vertcollection method: Level or other surveying method	
Vert coord refsys: NGVD29	Countrycode: US
Aquifername: Alluvial aquifers	
Formation type: Not Reported	
Aquifer type: Not Reported	
Construction date: Not Reported	Welldepth: 46
Welldepth units: ft	Wellholedepth: Not Reported
Wellholedepth units: Not Reported	

Ground-water levels, Number of Measurements: 4

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
-----	-----	-----	-----	-----	-----
1970-03-30	20.50		1968-06-20	18.54	
1968-05-03	20.65		1968-05-01	20.60	

**N125
ESE
1/2 - 1 Mile
Lower**

FED USGS USGS40000361483

Org. Identifier: USGS-KS	
Formal name: USGS Kansas Water Science Center	
Monloc Identifier: USGS-385802095130502	
Monloc name: 12S 20E 32BAC 02	
Monloc type: Well	
Monloc desc: Not Reported	
Huc code: 10270104	Drainagearea value: Not Reported
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units: Not Reported	Latitude: 38.9672246
Longitude: -95.2183053	Sourcemap scale: 24000
Horiz Acc measure: 10	Horiz Acc measure units: seconds
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: 813.60
Vert measure units: feet	Vertacc measure val: .1
Vert accmeasure units: feet	
Vertcollection method: Level or other surveying method	
Vert coord refsys: NGVD29	Countrycode: US
Aquifername: Alluvial aquifers	
Formation type: Not Reported	
Aquifer type: Not Reported	
Construction date: Not Reported	Welldepth: 28
Welldepth units: ft	Wellholedepth: Not Reported
Wellholedepth units: Not Reported	

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
-----	-----	-----	-----	-----	-----
1970-03-30	20.50		1968-06-20	18.39	
1968-06-01	18.40				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

126
NE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169198

Well id:	401046	County:	Douglas
Township:	12	Twtn dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C W2 W2
Longitude:	-95.221147	Latitude:	38.978844
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Dewatering		
Comple dat:	03-May-2007		
Status:	PLUGGED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	720 Grant St, Lawrence		
Well depth:	54	Elev:	Not Reported
Static dep:	19.5	Est yield:	Not Reported
Driller:	Griffin Dewatering Corporation		

P127
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168312

Well id:	347578	County:	Douglas
Township:	12	Twtn dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NE SE NE
Longitude:	-95.24261	Latitude:	38.96703
Long lat t:	From PLSS	Owner:	Total Petroleum Inc.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Jun-1997		
Status:	CONSTRUCTED	Other id:	MW 7
Dwr number:	2412263		
Directions:	2005 W 9th, Lawrence		
Well depth:	13.5	Elev:	Not Reported
Static dep:	7.6	Est yield:	Not Reported
Driller:	Geotechnical Services, Inc.		

P128
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168313

Well id:	387512	County:	Douglas
Township:	12	Twtn dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NE SE NE
Longitude:	-95.24261	Latitude:	38.96703
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	09-May-2006		
Status:	CONSTRUCTED	Other id:	MW 7
Dwr number:	Not Reported		
Directions:	602 W 9th St, Lawrence		
Well depth:	25	Elev:	859.3

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 11.96 Est yield: Not Reported
 Driller: Larsen and Associates, Inc.

**P129
 WSW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000168314

Well id:	387513	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NE SE NE
Longitude:	-95.24261	Latitude:	38.96703
Long lat t:	From PLSS	Owner:	KDHE-BER
Well use:	Monitoring well/observation/piezometer		
Comple dat:	15-May-2006		
Status:	CONSTRUCTED	Other id:	MW 20
Dwr number:	Not Reported		
Directions:	602 W 9th St, Lawrence		
Well depth:	20	Elev:	857.4
Static dep:	10.41	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

**P130
 WSW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000168325

Well id:	393710	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NE SE NE
Longitude:	-95.242624	Latitude:	38.967033
Long lat t:	From PLSS	Owner:	Presta Oil Company, LLC
Well use:	Monitoring well/observation/piezometer		
Comple dat:	12-Oct-2006		
Status:	PLUGGED	Other id:	P 7
Dwr number:	Not Reported		
Directions:	609 E 9th St, Lawrence		
Well depth:	15.45	Elev:	Not Reported
Static dep:	12.13	Est yield:	Not Reported
Driller:	Aquaterra Environmental Solutions, Inc		

**P131
 WSW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000168326

Well id:	393711	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NE SE NE
Longitude:	-95.242624	Latitude:	38.967033
Long lat t:	From PLSS	Owner:	Presta Oil Company, LLC
Well use:	Monitoring well/observation/piezometer		
Comple dat:	12-Oct-2006		
Status:	PLUGGED	Other id:	P 8
Dwr number:	Not Reported		
Directions:	609 E 9th St, Lawrence		
Well depth:	14	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	3.16	Est yield:	Not Reported
Driller:	Aquaterra Environmental Solutions, Inc		

P132
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168323

Well id:	393708	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NE SE NE
Longitude:	-95.242624	Latitude:	38.967033
Long lat t:	From PLSS	Owner:	Presta Oil Company, LLC
Well use:	Monitoring well/observation/piezometer		
Comple dat:	12-Oct-2006		
Status:	PLUGGED	Other id:	P 5
Dwr number:	Not Reported		
Directions:	609 E 9th St, Lawrence		
Well depth:	20.2	Elev:	Not Reported
Static dep:	15.44	Est yield:	Not Reported
Driller:	Aquaterra Environmental Solutions, Inc		

P133
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168324

Well id:	393709	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NE SE NE
Longitude:	-95.242624	Latitude:	38.967033
Long lat t:	From PLSS	Owner:	Presta Oil Company, LLC
Well use:	Monitoring well/observation/piezometer		
Comple dat:	12-Oct-2006		
Status:	PLUGGED	Other id:	P 6
Dwr number:	Not Reported		
Directions:	609 E 9th St, Lawrence		
Well depth:	20	Elev:	Not Reported
Static dep:	12.87	Est yield:	Not Reported
Driller:	Aquaterra Environmental Solutions, Inc		

P134
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168327

Well id:	393712	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NE SE NE
Longitude:	-95.242624	Latitude:	38.967033
Long lat t:	From PLSS	Owner:	Presta Oil Company, LLC
Well use:	Monitoring well/observation/piezometer		
Comple dat:	12-Oct-2006		
Status:	PLUGGED	Other id:	P 9
Dwr number:	Not Reported		
Directions:	609 E 9th St, Lawrence		
Well depth:	17.5	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 10.7 Est yield: Not Reported
 Driller: Aquaterra Environmental Solutions, Inc

**P135
 WSW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000168330

Well id: 393715 County: Douglas
 Township: 12 Twn dir: S
 Range: 19 Range dir: E
 Section: 36 Spot: NE SE NE
 Longitude: -95.242624 Latitude: 38.967033
 Long lat t: From PLSS Owner: Presta Oil Company, LLC
 Well use: Monitoring well/observation/piezometer
 Comple dat: 12-Oct-2006
 Status: PLUGGED Other id: P 15
 Dwr number: Not Reported
 Directions: 609 E 9th St, Lawrence
 Well depth: 20.2 Elev: Not Reported
 Static dep: 13.7 Est yield: Not Reported
 Driller: Aquaterra Environmental Solutions, Inc

**P136
 WSW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000168331

Well id: 393716 County: Douglas
 Township: 12 Twn dir: S
 Range: 19 Range dir: E
 Section: 36 Spot: NE SE NE
 Longitude: -95.242624 Latitude: 38.967033
 Long lat t: From PLSS Owner: Presta Oil Company, LLC
 Well use: Monitoring well/observation/piezometer
 Comple dat: 12-Oct-2006
 Status: PLUGGED Other id: P 16
 Dwr number: Not Reported
 Directions: 609 E 9th St, Lawrence
 Well depth: 20.2 Elev: Not Reported
 Static dep: 12.4 Est yield: Not Reported
 Driller: Aquaterra Environmental Solutions, Inc

**P137
 WSW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000168328

Well id: 393713 County: Douglas
 Township: 12 Twn dir: S
 Range: 19 Range dir: E
 Section: 36 Spot: NE SE NE
 Longitude: -95.242624 Latitude: 38.967033
 Long lat t: From PLSS Owner: Presta Oil Company, LLC
 Well use: Monitoring well/observation/piezometer
 Comple dat: 12-Oct-2006
 Status: PLUGGED Other id: P 10
 Dwr number: Not Reported
 Directions: 609 E 9th St, Lawrence
 Well depth: 16.6 Elev: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	10.84	Est yield:	Not Reported
Driller:	Aquaterra Environmental Solutions, Inc		

P138
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168329

Well id:	393714	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NE SE NE
Longitude:	-95.242624	Latitude:	38.967033
Long lat t:	From PLSS	Owner:	Presta Oil Company, LLC
Well use:	Monitoring well/observation/piezometer		
Comple dat:	12-Oct-2006		
Status:	PLUGGED	Other id:	P 14
Dwr number:	Not Reported		
Directions:	609 E 9th St, Lawrence		
Well depth:	20.2	Elev:	Not Reported
Static dep:	14	Est yield:	Not Reported
Driller:	Aquaterra Environmental Solutions, Inc		

139
ESE
1/2 - 1 Mile
Lower

KS WELLS KS6000000168299

Well id:	97470	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NW SE NW
Longitude:	-95.21757	Latitude:	38.96701
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	28-Dec-1994		
Status:	PLUGGED	Other id:	SW 17
Dwr number:	Not Reported		
Directions:	Wastewater Treatment Plant, 8th St on E edge of Lawrence		
Well depth:	38	Elev:	Not Reported
Static dep:	28	Est yield:	Not Reported
Driller:	Layne-Christensen Co.		

Q140
WNW
1/2 - 1 Mile
Higher

KS WELLS KS6000000169049

Well id:	312101	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	25	Spot:	SE NE SE
Longitude:	-95.24264	Latitude:	38.97606
Long lat t:	From PLSS	Owner:	USD 497 Maint. Facility
Well use:	(unstated)/abandoned		
Comple dat:	21-Apr-2000		
Status:	PLUGGED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	15	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	JB Environmental Drilling		

**Q141
WNW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169048

Well id:	312100	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	25	Spot:	SE NE SE
Longitude:	-95.24264	Latitude:	38.97606
Long lat t:	From PLSS	Owner:	USD 497 Maint. Facility
Well use:	(unstated)/abandoned		
Comple dat:	21-Apr-2000		
Status:	PLUGGED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	15	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	JB Environmental Drilling		

**Q142
WNW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169050

Well id:	312102	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	25	Spot:	SE NE SE
Longitude:	-95.24264	Latitude:	38.97606
Long lat t:	From PLSS	Owner:	USD 497 Maint. Facility
Well use:	(unstated)/abandoned		
Comple dat:	21-Apr-2000		
Status:	PLUGGED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	15	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	JB Environmental Drilling		

**Q143
WNW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169052

Well id:	312104	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	25	Spot:	SE NE SE
Longitude:	-95.24264	Latitude:	38.97606
Long lat t:	From PLSS	Owner:	USD 497 Maint. Facility
Well use:	(unstated)/abandoned		
Comple dat:	21-Apr-2000		
Status:	PLUGGED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	20	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	JB Environmental Drilling		

Q144
WNW
1/2 - 1 Mile
Higher

KS WELLS KS6000000169051

Well id:	312103	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	25	Spot:	SE NE SE
Longitude:	-95.24264	Latitude:	38.97606
Long lat t:	From PLSS	Owner:	USD 497 Maint. Facility
Well use:	(unstated)/abandoned		
Comple dat:	21-Apr-2000		
Status:	PLUGGED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Lawrence		
Well depth:	15	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	JB Environmental Drilling		

R145
NW
1/2 - 1 Mile
Higher

FED USGS USGS40000361621

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385845095142506		
Monloc name:	12S 20E 30BC 06		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9791686
Longitude:	-95.2405279	Sourcemap scale:	Not Reported
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	815.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	48
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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 1940-11-01 14.40

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

R146
NW
1/2 - 1 Mile
Higher

FED USGS USGS40000361620

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385845095142505		
Monloc name:	12S 20E 30BC 05		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9791686
Longitude:	-95.2405279	Sourcemap scale:	Not Reported
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	814.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	47
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

R147
NW
1/2 - 1 Mile
Higher

FED USGS USGS40000361623

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385845095142508		
Monloc name:	12S 20E 30BC 08		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9791686
Longitude:	-95.2405279	Sourcemap scale:	Not Reported
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	818.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	52
Construction date:	Not Reported	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1940-01-01	16.20	

R148
NW
1/2 - 1 Mile
Higher

FED USGS USGS40000361622

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385845095142507		
Monloc name:	12S 20E 30BC 07		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9791686
Longitude:	-95.2405279	Sourcemap scale:	Not Reported
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	822.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1940-11-01	19.30	

R149
NW
1/2 - 1 Mile
Higher

FED USGS USGS40000361619

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385845095142504		
Monloc name:	12S 20E 30BC 04		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9791686
Longitude:	-95.2405279	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	815.00
Vert measure units:	feet	Vertacc measure val:	1.
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	50
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**R150
NW
1/2 - 1 Mile
Higher**

FED USGS USGS40000361616

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385845095142501		
Monloc name:	12S 20E 30BC 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9791686
Longitude:	-95.2405279	Sourcemap scale:	Not Reported
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	816.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	50
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1940-11-01	12.60	

**R151
NW
1/2 - 1 Mile
Higher**

FED USGS USGS40000361617

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385845095142502		
Monloc name:	12S 20E 30BC 02		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9791686
Longitude:	-95.2405279	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	816.00
Vert measure units:	feet	Vertacc measure val:	1.
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	50
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1940-11-01	13.00	

**R152
NW
1/2 - 1 Mile
Higher**

FED USGS USGS40000361618

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385845095142503		
Monloc name:	12S 20E 30BC 03		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9791686
Longitude:	-95.2405279	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	816.00
Vert measure units:	feet	Vertacc measure val:	1.
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Quaternary Alluvium		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	50
Construction date:	Not Reported	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

153
ESE
1/2 - 1 Mile
Lower

KS WELLS KS6000000168178

Well id:	97469	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	SW SE NW
Longitude:	-95.21755	Latitude:	38.96517
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	28-Dec-1994		
Status:	PLUGGED	Other id:	SW 18
Dwr number:	Not Reported		
Directions:	Wastewater Treatment Plant, 8th St on E edge of Lawrence		
Well depth:	38	Elev:	Not Reported
Static dep:	27	Est yield:	Not Reported
Driller:	Layne-Christensen Co.		

154
West
1/2 - 1 Mile
Higher

KS WELLS KS6000000168650

Well id:	347576	County:	Douglas
Township:	12	Tw n dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NW NE NE
Longitude:	-95.24493	Latitude:	38.97065
Long lat t:	From PLSS	Owner:	Not Reported
Well use:	Domestic		
Comple dat:	05-Nov-1991		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	701 Indiana Street, Lawrence		
Well depth:	16	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	W.A. Dunbar and Son, Inc		

155
NE
1/2 - 1 Mile
Lower

KS WELLS KS6000000169164

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	12199	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NW NE SW
Longitude:	-95.21766	Latitude:	38.97793
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	28-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	49	Elev:	Not Reported
Static dep:	22	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

S156
ESE
1/2 - 1 Mile
Lower

KS WELLS KS6000000168434

Well id:	12281	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	SE NE NW
Longitude:	-95.21525	Latitude:	38.96884
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	02-Aug-1988		
Status:	CONSTRUCTED	Other id:	MW 4-88
Dwr number:	Not Reported		
Directions:	3rd and Indiana		
Well depth:	40	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Layne-Christensen Co.		

S157
ESE
1/2 - 1 Mile
Lower

KS WELLS KS6000000168433

Well id:	12280	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	SE NE NW
Longitude:	-95.21525	Latitude:	38.96884
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	01-Aug-1988		
Status:	CONSTRUCTED	Other id:	MW 1-88
Dwr number:	Not Reported		
Directions:	3rd and Indiana		
Well depth:	40	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Layne-Christensen Co.		

S158
ESE
1/2 - 1 Mile
Lower

KS WELLS KS6000000168435

Well id:	12282	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	SE NE NW
Longitude:	-95.21525	Latitude:	38.96884
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	02-Aug-1988		
Status:	CONSTRUCTED	Other id:	MW 3-88
Dwr number:	Not Reported		
Directions:	3rd and Indiana		
Well depth:	40	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Layne-Christensen Co.		

S159
ESE
1/2 - 1 Mile
Lower

KS WELLS KS6000000168437

Well id:	97468	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	SE NE NW
Longitude:	-95.21525	Latitude:	38.96884
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	19-Dec-1994		
Status:	CONSTRUCTED	Other id:	SW 22
Dwr number:	Not Reported		
Directions:	Lawrence Wastewater Plant, 8th St on E edge of Lawrence		
Well depth:	37	Elev:	Not Reported
Static dep:	24	Est yield:	Not Reported
Driller:	Layne-Christensen Co.		

S160
ESE
1/2 - 1 Mile
Lower

KS WELLS KS6000000168436

Well id:	12283	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	SE NE NW
Longitude:	-95.21525	Latitude:	38.96884
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	02-Aug-1988		
Status:	CONSTRUCTED	Other id:	MW 2-88
Dwr number:	Not Reported		
Directions:	3rd and Indiana		
Well depth:	40	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Layne-Christensen Co.		

**161
ESE
1/2 - 1 Mile
Lower**

KS WELLS KS6000000168226

Well id:	349333	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	SE NW
Longitude:	-95.21639	Latitude:	38.96609
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	20-Nov-2003		
Status:	PLUGGED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	1398 E 8th St, Lawrence		
Well depth:	24	Elev:	Not Reported
Static dep:	11	Est yield:	Not Reported
Driller:	Danis Environmental Industries		

**T162
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169070

Well id:	12201	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C NE SW
Longitude:	-95.21648	Latitude:	38.97702
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Test hole/well		
Comple dat:	19-Feb-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	45	Elev:	Not Reported
Static dep:	18	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

**T163
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169071

Well id:	12202	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C NE SW
Longitude:	-95.21648	Latitude:	38.97702
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	28-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	45	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	19	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

**T164
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169072

Well id:	12203	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C NE SW
Longitude:	-95.21648	Latitude:	38.97702
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Industrial		
Comple dat:	01-Sep-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	28	Elev:	Not Reported
Static dep:	24	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

**T165
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169067

Well id:	12185	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C NE SW
Longitude:	-95.21648	Latitude:	38.97702
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	29-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	34	Elev:	Not Reported
Static dep:	19	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

**T166
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169068

Well id:	12186	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C NE SW
Longitude:	-95.21648	Latitude:	38.97702
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	16-Dec-1975		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	45	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	20	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

T167
ENE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169069

Well id:	12200	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C NE SW
Longitude:	-95.21648	Latitude:	38.97702
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	02-Feb-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	24	Elev:	Not Reported
Static dep:	19	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

T168
ENE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169073

Well id:	12218	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C NE SW
Longitude:	-95.21648	Latitude:	38.97702
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	21-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	37	Elev:	Not Reported
Static dep:	22	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

T169
ENE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169077

Well id:	12223	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C NE SW
Longitude:	-95.21648	Latitude:	38.97702
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Industrial		
Comple dat:	01-Oct-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	40	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	24	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

**T170
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169078

Well id:	12224	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C NE SW
Longitude:	-95.21648	Latitude:	38.97702
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	28-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	38	Elev:	Not Reported
Static dep:	22	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

**T171
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169079

Well id:	12225	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C NE SW
Longitude:	-95.21648	Latitude:	38.97702
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	29-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	27	Elev:	Not Reported
Static dep:	22	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

**T172
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169074

Well id:	12219	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C NE SW
Longitude:	-95.21648	Latitude:	38.97702
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	18-Dec-1975		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	24	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 20 Est yield: Not Reported
 Driller: Jungmann Bros Drilling Co.

**T173
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169075

Well id:	12220	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C NE SW
Longitude:	-95.21648	Latitude:	38.97702
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	02-Feb-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	34	Elev:	Not Reported
Static dep:	19	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

**T174
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169076

Well id:	12222	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C NE SW
Longitude:	-95.21648	Latitude:	38.97702
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	17-Dec-1975		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	34	Elev:	Not Reported
Static dep:	20	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

**U175
WSW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168309

Well id:	406005	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NW SE NE
Longitude:	-95.244953	Latitude:	38.967021
Long lat t:	From PLSS	Owner:	Triple S Refining Corporation
Well use:	Monitoring well/observation/piezometer		
Comple dat:	30-Aug-2007		
Status:	PLUGGED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	900 Illinois St, Lawrence		
Well depth:	24.73	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Razek Environmental, LLC		

U176
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168308

Well id:	406004	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NW SE NE
Longitude:	-95.244953	Latitude:	38.967021
Long lat t:	From PLSS	Owner:	Triple S Refining Corporation
Well use:	Monitoring well/observation/piezometer		
Comple dat:	30-Aug-2007		
Status:	CONSTRUCTED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	900 Illinois St, Lawrence		
Well depth:	13.83	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Razek Environmental, LLC		

U177
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168311

Well id:	406007	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NW SE NE
Longitude:	-95.244953	Latitude:	38.967021
Long lat t:	From PLSS	Owner:	Triple S Refining Corp.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	30-Aug-2007		
Status:	PLUGGED	Other id:	MW 5
Dwr number:	Not Reported		
Directions:	900 Illinois St, Lawrence		
Well depth:	13.74	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Razek Environmental, LLC		

U178
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168310

Well id:	406006	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NW SE NE
Longitude:	-95.244953	Latitude:	38.967021
Long lat t:	From PLSS	Owner:	Triple S Refining Corporation
Well use:	Monitoring well/observation/piezometer		
Comple dat:	30-Aug-2007		
Status:	PLUGGED	Other id:	MW 4
Dwr number:	Not Reported		
Directions:	900 Illinois St, Lawrence		
Well depth:	13.96	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Razek Environmental, LLC		

**U179
WSW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168302

Well id:	347579	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NW SE NE
Longitude:	-95.24496	Latitude:	38.96702
Long lat t:	From PLSS	Owner:	Triple S, Inc.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Feb-1997		
Status:	CONSTRUCTED	Other id:	MW 6
Dwr number:	Not Reported		
Directions:	900 Illinois St, Kerr-McGee 6366, Lawrence		
Well depth:	14	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	GeoCore Services Inc.		

**U180
WSW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168303

Well id:	347580	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NW SE NE
Longitude:	-95.24496	Latitude:	38.96702
Long lat t:	From PLSS	Owner:	Triple S, Inc.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	04-Feb-1997		
Status:	CONSTRUCTED	Other id:	MW 2
Dwr number:	Not Reported		
Directions:	900 Illinois St, Kerr-McGee 6366, Lawrence		
Well depth:	14	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	GeoCore Services Inc.		

**U181
WSW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168300

Well id:	316462	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NW SE NE
Longitude:	-95.24496	Latitude:	38.96702
Long lat t:	From PLSS	Owner:	Kerr McGee Refining Corp.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	29-Aug-2000		
Status:	PLUGGED	Other id:	MW 2
Dwr number:	Not Reported		
Directions:	900 Illinois St, Lawrence		
Well depth:	14.2	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 6.68 Est yield: Not Reported
 Driller: GeoCore Services Inc.

**U182
 WSW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000168301

Well id:	316463	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NW SE NE
Longitude:	-95.24496	Latitude:	38.96702
Long lat t:	From PLSS	Owner:	Kerr McGee Refining Corp.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	29-Aug-2000		
Status:	PLUGGED	Other id:	MW 6
Dwr number:	Not Reported		
Directions:	900 Illinois St, Lawrence		
Well depth:	13.98	Elev:	Not Reported
Static dep:	3.54	Est yield:	Not Reported
Driller:	GeoCore Services Inc.		

**U183
 WSW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000168306

Well id:	347583	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NW SE NE
Longitude:	-95.24496	Latitude:	38.96702
Long lat t:	From PLSS	Owner:	Triple S, Inc.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Feb-1997		
Status:	CONSTRUCTED	Other id:	MW 5
Dwr number:	Not Reported		
Directions:	900 Illinois St, Kerr-McGee 6366, Lawrence		
Well depth:	14	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	GeoCore Services Inc.		

**U184
 WSW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000168307

Well id:	347588	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NW SE NE
Longitude:	-95.24496	Latitude:	38.96702
Long lat t:	From PLSS	Owner:	Triple S, Inc.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	03-Feb-1997		
Status:	CONSTRUCTED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	900 Illinois St, Kerr-McGee 6366, Lawrence		
Well depth:	25	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	GeoCore Services Inc.		

U185
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168304

Well id:	347581	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NW SE NE
Longitude:	-95.24496	Latitude:	38.96702
Long lat t:	From PLSS	Owner:	Triple S, Inc.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	04-Feb-1997		
Status:	CONSTRUCTED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	900 Illinois St, Kerr-McGee 6366, Lawrence		
Well depth:	14	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	GeoCore Services Inc.		

U186
WSW
1/2 - 1 Mile
Higher

KS WELLS KS6000000168305

Well id:	347582	County:	Douglas
Township:	12	Twon dir:	S
Range:	19	Range dir:	E
Section:	36	Spot:	NW SE NE
Longitude:	-95.24496	Latitude:	38.96702
Long lat t:	From PLSS	Owner:	Triple S, Inc.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	05-Feb-1997		
Status:	CONSTRUCTED	Other id:	MW 4
Dwr number:	Not Reported		
Directions:	900 Illinois St, Kerr-McGee 6366, Lawrence		
Well depth:	14	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	GeoCore Services Inc.		

V187
NNW
1/2 - 1 Mile
Higher

FED USGS USGS40000361676

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385858095140801		
Monloc name:	12S 20E 30BA 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9827797
Longitude:	-95.2358056	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	817.00
Vert measure units:	feet	Vertacc measure val:	1.
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	50
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1940-11-01	12.80	

**V188
NNW
1/2 - 1 Mile
Higher**

FED USGS USGS40000361677

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385858095140802		
Monloc name:	12S 20E 30BA 02		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9827797
Longitude:	-95.2358056	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	815.00
Vert measure units:	feet	Vertacc measure val:	1.
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	45
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**V189
NNW
1/2 - 1 Mile
Higher**

FED USGS USGS40000361678

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385858095140803		
Monloc name:	12S 20E 30BA 03		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9827797
Longitude:	-95.2358056	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	811.00
Vert measure units:	feet	Vertacc measure val:	1.
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	45
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

190
West
1/2 - 1 Mile
Higher

FED USGS USGS40000361543

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385822095144501		
Monloc name:	12S 19E 25DDB 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9727798
Longitude:	-95.2460836	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	852.00
Vert measure units:	feet	Vertacc measure val:	10.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	44
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

191
ESE
1/2 - 1 Mile
Lower

KS WELLS KS6000000168293

Well id:	96987	County:	Douglas
Township:	12	Twn dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	NE SE NW
Longitude:	-95.21523	Latitude:	38.967
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	19-Dec-1994		
Status:	CONSTRUCTED	Other id:	SW 21
Dwr number:	Not Reported		
Directions:	Wastewater Treatment Plant, 8th St on E edge of Lawrence		
Well depth:	38	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Layne-Christensen Co.		

W192
NW
1/2 - 1 Mile
Higher

FED USGS USGS40000361636

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385848095142901		
Monloc name:	12S 20E 30BCB 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9800019
Longitude:	-95.241639	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	830.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported		
Welldepth units:	Not Reported	Welldepth:	Not Reported
Wellholedepth units:	Not Reported	Wellholedepth:	Not Reported

Ground-water levels, Number of Measurements: 0

W193
NW
1/2 - 1 Mile
Higher

FED USGS USGS40000361637

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385848095142902		
Monloc name:	12S 20E 30BCB 02		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9800019
Longitude:	-95.241639	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	817.00
Vert measure units:	feet	Vertacc measure val:	1.
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	48
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 6

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1968-08-29	9.29		1968-04-09	9.26	
1967-10-02	9.94		1967-03-14	15.42	
1967-02-28	15.2		1967-02-01	15.20	

**194
North
1/2 - 1 Mile
Higher**

FED USGS USGS40000361695

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385901095135601		
Monloc name:	12S 20E 30ABB 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.983613
Longitude:	-95.2324722	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	817.00
Vert measure units:	feet	Vertacc measure val:	1.
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Quaternary Alluvium		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	50
Construction date:	Not Reported	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1940-11-01	10.80	

195
WNW
1/2 - 1 Mile
Higher

FED USGS USGS40000361608

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385841095143701		
Monloc name:	12S 19E 25ADD 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9780575
Longitude:	-95.2438613	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	819.00
Vert measure units:	feet	Vertacc measure val:	1.
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	51
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

X196
NW
1/2 - 1 Mile
Higher

KS WELLS KS6000000169439

Well id:	310727	County:	Douglas
Township:	12	Twn dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NW SW NW
Longitude:	-95.24039	Latitude:	38.98146
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	(unstated)/abandoned		
Comple dat:	10-Feb-2000		
Status:	PLUGGED	Other id:	Well 1
Dwr number:	Not Reported		
Directions:	Burchum City Park		
Well depth:	48	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Layne-Christensen Co.		

**197
North
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169584

Well id:	12246	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NW NE
Longitude:	-95.23029	Latitude:	38.98421
Long lat t:	From PLSS	Owner:	Siler, Andrew
Well use:	Lawn and Garden - domestic only		
Comple dat:	07-Aug-1980		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	515 Lincoln St		
Well depth:	47	Elev:	Not Reported
Static dep:	19	Est yield:	20
Driller:	Jack W. Robison Well Drilling		

**Y198
ESE
1/2 - 1 Mile
Lower**

KS WELLS KS6000000168179

Well id:	96983	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	SE SE NW
Longitude:	-95.21523	Latitude:	38.96517
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	14-Dec-1994		
Status:	CONSTRUCTED	Other id:	SW 10-1
Dwr number:	Not Reported		
Directions:	Wastewater Treatment Plant, 8th St on E edge of Lawrence		
Well depth:	38	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Layne-Christensen Co.		

**Y199
ESE
1/2 - 1 Mile
Lower**

KS WELLS KS6000000168180

Well id:	96985	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	32	Spot:	SE SE NW
Longitude:	-95.21523	Latitude:	38.96517
Long lat t:	From PLSS	Owner:	City of Lawrence
Well use:	Monitoring well/observation/piezometer		
Comple dat:	14-Dec-1994		
Status:	CONSTRUCTED	Other id:	SW 20
Dwr number:	Not Reported		
Directions:	Wastewater Treatment Plant, 8th St on E edge of Lawrence		
Well depth:	38	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Layne-Christensen Co.		

Z200
ENE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169156

Well id:	12191	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NE NE SW
Longitude:	-95.21533	Latitude:	38.97792
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	09-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	49.5	Elev:	Not Reported
Static dep:	20	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

Z201
ENE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169157

Well id:	12192	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NE NE SW
Longitude:	-95.21533	Latitude:	38.97792
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	22-Dec-1975		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	47	Elev:	Not Reported
Static dep:	20	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

Z202
ENE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169155

Well id:	12189	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NE NE SW
Longitude:	-95.21533	Latitude:	38.97792
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	21-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	27	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	22	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

**Z203
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169153

Well id:	12187	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NE NE SW
Longitude:	-95.21533	Latitude:	38.97792
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	20-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	47	Elev:	Not Reported
Static dep:	22	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

**Z204
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169154

Well id:	12188	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NE NE SW
Longitude:	-95.21533	Latitude:	38.97792
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	03-Feb-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	24	Elev:	Not Reported
Static dep:	19	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

**Z205
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169158

Well id:	12194	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NE NE SW
Longitude:	-95.21533	Latitude:	38.97792
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	22-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	25	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	21	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

Z206
ENE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169162

Well id:	12198	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NE NE SW
Longitude:	-95.21533	Latitude:	38.97792
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	10-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	24	Elev:	Not Reported
Static dep:	20	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

Z207
ENE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169163

Well id:	378240	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NE NE SW
Longitude:	-95.21533	Latitude:	38.97792
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Monitoring well/observation/piezometer		
Comple dat:	08-Nov-2005		
Status:	PLUGGED	Other id:	FMC DD
Dwr number:	Not Reported		
Directions:	9th and Oak St, Lawrence		
Well depth:	45.6	Elev:	Not Reported
Static dep:	19.25	Est yield:	Not Reported
Driller:	Pratt Well Service, Inc.		

Z208
ENE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169161

Well id:	12197	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NE NE SW
Longitude:	-95.21533	Latitude:	38.97792
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	10-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	36	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	20	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

Z209
ENE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169159

Well id:	12195	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NE NE SW
Longitude:	-95.21533	Latitude:	38.97792
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	23-Dec-1975		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	34	Elev:	Not Reported
Static dep:	20	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

Z210
ENE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169160

Well id:	12196	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NE NE SW
Longitude:	-95.21533	Latitude:	38.97792
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	21-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	35	Elev:	Not Reported
Static dep:	21	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

AA211
East
1/2 - 1 Mile
Higher

KS WELLS KS6000000168819

Well id:	12207	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	SW SW SE
Longitude:	-95.21296	Latitude:	38.97248
Long lat t:	From PLSS	Owner:	Snow, Charles R.
Well use:	Irrigation		
Comple dat:	20-Feb-1977		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	876 Oak, Lawrence		
Well depth:	48	Elev:	818

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	31	Est yield:	40
Driller:	Jungmann Bros Drilling Co.		

AA212
East
1/2 - 1 Mile
Higher

KS WELLS KS6000000168820

Well id:	12215	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	SW SW SE
Longitude:	-95.21296	Latitude:	38.97248
Long lat t:	From PLSS	Owner:	Fugett, Marion F.
Well use:	Domestic		
Comple dat:	09-Sep-1977		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	865 Oak St, Lawrence		
Well depth:	53	Elev:	Not Reported
Static dep:	20	Est yield:	60
Driller:	Strader Drilling Co., Inc.		

AB213
NE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169319

Well id:	12213	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	S2 SE NW
Longitude:	-95.21651	Latitude:	38.97974
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	01-Feb-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	34	Elev:	Not Reported
Static dep:	17.5	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

AB214
NE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169320

Well id:	12214	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	S2 SE NW
Longitude:	-95.21651	Latitude:	38.97974
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	15-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	45	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 19 Est yield: Not Reported
 Driller: Jungmann Bros Drilling Co.

**215
 NW
 1/2 - 1 Mile
 Higher**

FED USGS USGS40000361638

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385848095143701		
Monloc name:	12S 19E 25ADA 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9800019
Longitude:	-95.2438613	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	820.00
Vert measure units:	feet	Vertacc measure val:	1.
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	51
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----	-----	-----
1954-04-01	14.00	

**AC216
 ENE
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000168990

Well id:	316485	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NW SW SE
Longitude:	-95.21297	Latitude:	38.9743
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Monitoring well/observation/piezometer		
Comple dat:	11-Oct-2000		
Status:	CONSTRUCTED	Other id:	FMC MM 3
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	26	Elev:	817.4

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	24.62	Est yield:	Not Reported
Driller:	Audie L. Thornburg Contract Dewatering		

**AC217
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168989

Well id:	316484	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NW SW SE
Longitude:	-95.21297	Latitude:	38.9743
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Monitoring well/observation/piezometer		
Comple dat:	11-Oct-2000		
Status:	CONSTRUCTED	Other id:	FMC MM 2
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	36	Elev:	817.3
Static dep:	24.59	Est yield:	Not Reported
Driller:	Audie L. Thornburg Contract Dewatering		

**AC218
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168988

Well id:	316483	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NW SW SE
Longitude:	-95.21297	Latitude:	38.9743
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Monitoring well/observation/piezometer		
Comple dat:	11-Oct-2000		
Status:	CONSTRUCTED	Other id:	FMC MM 1
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	46	Elev:	817.3
Static dep:	24.44	Est yield:	Not Reported
Driller:	Audie L. Thornburg Contract Dewatering		

**AC219
ENE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000168993

Well id:	378239	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NW SW SE
Longitude:	-95.21297	Latitude:	38.9743
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Monitoring well/observation/piezometer		
Comple dat:	08-Nov-2005		
Status:	PLUGGED	Other id:	FMC BB
Dwr number:	Not Reported		
Directions:	9th and Oak St, Lawrence		
Well depth:	44.6	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 24.6 Est yield: Not Reported
 Driller: Pratt Well Service, Inc.

AC220
ENE
1/2 - 1 Mile
Higher

KS WELLS **KS6000000168992**

Well id:	317746	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NW SW SE
Longitude:	-95.21297	Latitude:	38.9743
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Monitoring well/observation/piezometer		
Comple dat:	21-Nov-2000		
Status:	PLUGGED	Other id:	FMC Z-1
Dwr number:	Not Reported		
Directions:	field S of 440 N 9th St, Lawrence		
Well depth:	46	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Funkee Drlg. Ser., Inc.		

AC221
ENE
1/2 - 1 Mile
Higher

KS WELLS **KS6000000168991**

Well id:	317745	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	NW SW SE
Longitude:	-95.21297	Latitude:	38.9743
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Monitoring well/observation/piezometer		
Comple dat:	21-Nov-2000		
Status:	PLUGGED	Other id:	FMC Z-2
Dwr number:	Not Reported		
Directions:	field S of 440 N 9th St, Lawrence		
Well depth:	26	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Funkee Drlg. Ser., Inc.		

X222
NW
1/2 - 1 Mile
Lower

FED USGS **USGS40000361670**

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385855095142901		
Monloc name:	12S 20E 30BBC 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9819463
Longitude:	-95.241639	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	823.00
Vert measure units:	feet	Vertacc measure val:	1.
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	50
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

X223
NW
1/2 - 1 Mile
Lower

FED USGS USGS40000361671

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-385855095142902		
Monloc name:	12S 20E 30BBC 02		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10270104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.9819463
Longitude:	-95.241639	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	820.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

AD224
NNW
1/2 - 1 Mile
Higher

KS WELLS KS6000000169660

Well id:	402304	County:	Douglas
Township:	12	Twn dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.233889	Latitude:	38.985
Long lat t:	GPS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	27-Feb-2007		
Status:	CONSTRUCTED	Other id:	MW 6
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence (well tag 0041351)		
Well depth:	20	Elev:	816.3

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 11 Est yield: Not Reported
 Driller: Larsen and Associates, Inc.

**AD225
 NNW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000169637

Well id: 392577 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 30 Spot: NE NE NW
 Longitude: -95.235 Latitude: 38.9848
 Long lat t: GPS Owner: PDO Investors, LLC
 Well use: Monitoring well/observation/piezometer
 Comple dat: 26-Jul-2006
 Status: CONSTRUCTED Other id: MW 6
 Dwr number: Not Reported
 Directions: 739 N 2nd St, Lawrence
 Well depth: 16 Elev: 817.5
 Static dep: 10.11 Est yield: Not Reported
 Driller: Larsen and Associates, Inc.

**AD226
 NNW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000169638

Well id: 411621 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 30 Spot: NE NE NW
 Longitude: -95.235 Latitude: 38.984806
 Long lat t: GPS Owner: PDO Investors LLC
 Well use: Monitoring well/observation/piezometer
 Comple dat: 20-Feb-2008
 Status: PLUGGED Other id: MW 5
 Dwr number: Not Reported
 Directions: 739 N 2nd St, Lawrence
 Well depth: 15.2 Elev: 817.5
 Static dep: Not Reported Est yield: Not Reported
 Driller: Larsen and Associates, Inc.

**AD227
 NNW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000169639

Well id: 411776 County: Douglas
 Township: 12 Twn dir: S
 Range: 20 Range dir: E
 Section: 30 Spot: NE NE NW
 Longitude: -95.235 Latitude: 38.984806
 Long lat t: GPS Owner: PDO Investors LLC
 Well use: Monitoring well/observation/piezometer
 Comple dat: 20-Feb-2008
 Status: PLUGGED Other id: MW 5
 Dwr number: Not Reported
 Directions: 739 N 2nd St, Lawrence
 Well depth: 15.2 Elev: 817.5

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

AD228
North
1/2 - 1 Mile
Lower

KS WELLS KS6000000169677

Well id:	424521	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.233674	Latitude:	38.985094
Long lat t:	From PLSS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	13-Mar-2009		
Status:	PLUGGED	Other id:	MW 4
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence		
Well depth:	18.65	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

AD229
North
1/2 - 1 Mile
Lower

KS WELLS KS6000000169678

Well id:	424522	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.233674	Latitude:	38.985094
Long lat t:	From PLSS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	13-Mar-2009		
Status:	PLUGGED	Other id:	MW 5
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence		
Well depth:	19.2	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

AD230
North
1/2 - 1 Mile
Lower

KS WELLS KS6000000169676

Well id:	424520	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.233674	Latitude:	38.985094
Long lat t:	From PLSS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	13-Mar-2009		
Status:	PLUGGED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence		
Well depth:	16.65	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

AD231
North
1/2 - 1 Mile
Lower

KS WELLS KS6000000169674

Well id:	424518	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.233674	Latitude:	38.985094
Long lat t:	From PLSS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	13-Mar-2009		
Status:	PLUGGED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence		
Well depth:	19.37	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

AD232
North
1/2 - 1 Mile
Lower

KS WELLS KS6000000169675

Well id:	424519	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.233674	Latitude:	38.985094
Long lat t:	From PLSS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	13-Mar-2009		
Status:	PLUGGED	Other id:	MW 2
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence		
Well depth:	18.85	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

AD233
North
1/2 - 1 Mile
Lower

KS WELLS KS6000000169682

Well id:	424528	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.233674	Latitude:	38.985094
Long lat t:	From PLSS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	13-Mar-2009		
Status:	PLUGGED	Other id:	MW 9
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence		
Well depth:	12.37	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

AD234
North
1/2 - 1 Mile
Lower

KS WELLS KS6000000169683

Well id:	424538	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.233674	Latitude:	38.985094
Long lat t:	From PLSS	Owner:	Capital City Oil/PDO Investors
Well use:	Monitoring well/observation/piezometer		
Comple dat:	13-Mar-2009		
Status:	PLUGGED	Other id:	EXMW 7 (f)
Dwr number:	Not Reported		
Directions:	739 N 2nd St, Lawrence		
Well depth:	17.3	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

AD235
North
1/2 - 1 Mile
Lower

KS WELLS KS6000000169681

Well id:	424526	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.233674	Latitude:	38.985094
Long lat t:	From PLSS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	13-Mar-2009		
Status:	PLUGGED	Other id:	MW 8
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence		
Well depth:	14.58	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

AD236
North
1/2 - 1 Mile
Lower

KS WELLS KS6000000169679

Well id:	424523	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.233674	Latitude:	38.985094
Long lat t:	From PLSS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	13-Mar-2009		
Status:	PLUGGED	Other id:	MW 6
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence		
Well depth:	18.95	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

AD237
North
1/2 - 1 Mile
Lower

KS WELLS KS6000000169680

Well id:	424524	County:	Douglas
Township:	12	TwN dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.233674	Latitude:	38.985094
Long lat t:	From PLSS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	13-Mar-2009		
Status:	PLUGGED	Other id:	MW 7
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence		
Well depth:	18.6	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

AD238
NNW
1/2 - 1 Mile
Higher

KS WELLS KS6000000169662

Well id:	402299	County:	Douglas
Township:	12	TwN dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.234139	Latitude:	38.985028
Long lat t:	GPS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	26-Feb-2007		
Status:	CONSTRUCTED	Other id:	MW 2
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence (well tag 0041353)		
Well depth:	20	Elev:	818.2
Static dep:	12.73	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

AD239
NNW
1/2 - 1 Mile
Lower

KS WELLS KS6000000169687

Well id:	402300	County:	Douglas
Township:	12	TwN dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.23375	Latitude:	38.985111
Long lat t:	GPS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	27-Feb-2007		
Status:	CONSTRUCTED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence (well tag 0041348)		
Well depth:	20	Elev:	816.7

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	11.23	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

**AD240
NNW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169686

Well id:	402303	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.233917	Latitude:	38.985111
Long lat t:	GPS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	26-Feb-2007		
Status:	CONSTRUCTED	Other id:	MW 5
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence (well tag 0041352)		
Well depth:	20	Elev:	817.9
Static dep:	12.53	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

**AB241
NE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169340

Well id:	12183	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C SE NW
Longitude:	-95.21652	Latitude:	38.98064
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	02-Feb-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	45	Elev:	Not Reported
Static dep:	19	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

**AB242
NE
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169341

Well id:	12184	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C SE NW
Longitude:	-95.21652	Latitude:	38.98064
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	02-Feb-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	36	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	19	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

**AD243
NNW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169663

Well id:	392578	County:	Douglas
Township:	12	TwN dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.234467	Latitude:	38.98505
Long lat t:	GPS	Owner:	PDO Investors, LLC
Well use:	Monitoring well/observation/piezometer		
Comple dat:	21-Aug-2006		
Status:	CONSTRUCTED	Other id:	MW 7
Dwr number:	Not Reported		
Directions:	739 N 2nd St, Lawrence		
Well depth:	18	Elev:	817.9
Static dep:	10.89	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

**AD244
NNW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169657

Well id:	392557	County:	Douglas
Township:	12	TwN dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.234889	Latitude:	38.985
Long lat t:	GPS	Owner:	PDO Investors, LLC
Well use:	Monitoring well/observation/piezometer		
Comple dat:	26-Jul-2006		
Status:	CONSTRUCTED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	739 N 2nd St, Lawrence		
Well depth:	17	Elev:	819.0
Static dep:	11.55	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

**AD245
NNW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169658

Well id:	411613	County:	Douglas
Township:	12	TwN dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.234889	Latitude:	38.985
Long lat t:	GPS	Owner:	PDO Investors LLC
Well use:	Monitoring well/observation/piezometer		
Comple dat:	20-Feb-2008		
Status:	PLUGGED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	739 N 2nd St, Lawrence		
Well depth:	15.3	Elev:	819.0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

**AD246
NNW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169659

Well id:	411772	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.234889	Latitude:	38.985
Long lat t:	GPS	Owner:	PDO Investors LLC
Well use:	Monitoring well/observation/piezometer		
Comple dat:	20-Feb-2008		
Status:	PLUGGED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	739 N 2nd St, Lawrence		
Well depth:	15.3	Elev:	819.0
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

**247
NE
1/2 - 1 Mile
Lower**

KS WELLS KS6000000169475

Well id:	12231	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	C NW
Longitude:	-95.21886	Latitude:	38.98245
Long lat t:	From PLSS	Owner:	Nunnemaker Ross, Inc.
Well use:	Feedlot/Livestock/Windmill		
Comple dat:	03-Jul-1989		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	from US Hwy 24: 1600' E, 1 mi S, .25 mi W		
Well depth:	53	Elev:	Not Reported
Static dep:	21	Est yield:	100
Driller:	Daniel H. Hoobler Drilling Co.		

**AD248
NNW
1/2 - 1 Mile
Higher**

KS WELLS KS6000000169698

Well id:	402295	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.234138	Latitude:	38.985167
Long lat t:	GPS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	26-Feb-2007		
Status:	CONSTRUCTED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence (well tag 0041345)		
Well depth:	20	Elev:	818.4

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

AD249
North
1/2 - 1 Mile
Lower

KS WELLS KS6000000169712

Well id:	402305	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.233611	Latitude:	38.985278
Long lat t:	GPS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	27-Feb-2007		
Status:	CONSTRUCTED	Other id:	MW 7
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence (well tag 0041350)		
Well depth:	20	Elev:	818.0
Static dep:	12.53	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

AB250
NE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169303

Well id:	12208	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	SE SE NW
Longitude:	-95.21535	Latitude:	38.97973
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	16-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	24	Elev:	Not Reported
Static dep:	19	Est yield:	Not Reported
Driller:	Jungmann Bros Drilling Co.		

AB251
NE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169304

Well id:	12209	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	SE SE NW
Longitude:	-95.21535	Latitude:	38.97973
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Other		
Comple dat:	16-Jan-1976		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	9th and Maple, Lawrence		
Well depth:	34	Elev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 19 Est yield: Not Reported
 Driller: Jungmann Bros Drilling Co.

AB252
NE
1/2 - 1 Mile
Higher

KS WELLS KS6000000169305

Well id:	317732	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	29	Spot:	SE SE NW
Longitude:	-95.21535	Latitude:	38.97973
Long lat t:	From PLSS	Owner:	FMC Corporation
Well use:	Monitoring well/observation/piezometer		
Comple dat:	22-Nov-2000		
Status:	PLUGGED	Other id:	FMC W
Dwr number:	Not Reported		
Directions:	W of 440 N 9th St, Lawrence		
Well depth:	28	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Funkee Drlg. Ser., Inc.		

AD253
North
1/2 - 1 Mile
Lower

KS WELLS KS6000000169714

Well id:	408917	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.23353	Latitude:	38.98533
Long lat t:	GPS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	01-Nov-2007		
Status:	CONSTRUCTED	Other id:	MW 8
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence		
Well depth:	15	Elev:	815.8
Static dep:	7.93	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

AD254
North
1/2 - 1 Mile
Lower

KS WELLS KS6000000169715

Well id:	408919	County:	Douglas
Township:	12	Twon dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.23353	Latitude:	38.98533
Long lat t:	GPS	Owner:	Capital City Oil
Well use:	Monitoring well/observation/piezometer		
Comple dat:	01-Nov-2007		
Status:	CONSTRUCTED	Other id:	MW 9
Dwr number:	Not Reported		
Directions:	740 N 2nd St, Lawrence		
Well depth:	15	Elev:	816.7

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep: 8.59 Est yield: Not Reported
 Driller: Larsen and Associates, Inc.

**AD255
 NNW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000169672

Well id:	411615	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE SW
Longitude:	-95.235194	Latitude:	38.985083
Long lat t:	GPS	Owner:	PDO Investors LLC
Well use:	Monitoring well/observation/piezometer		
Comple dat:	20-Feb-2008		
Status:	PLUGGED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	739 N 2nd St, Lawrence		
Well depth:	15.03	Elev:	820.8
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

**AD256
 NNW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000169673

Well id:	411774	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.235194	Latitude:	38.985083
Long lat t:	GPS	Owner:	PDO Investors LLC
Well use:	Monitoring well/observation/piezometer		
Comple dat:	20-Feb-2008		
Status:	PLUGGED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	739 N 2nd St, Lawrence		
Well depth:	15.05	Elev:	820.8
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

**AD257
 NNW
 1/2 - 1 Mile
 Higher**

KS WELLS KS6000000169671

Well id:	392559	County:	Douglas
Township:	12	Tw n dir:	S
Range:	20	Range dir:	E
Section:	30	Spot:	NE NE NW
Longitude:	-95.2352	Latitude:	38.985083
Long lat t:	GPS	Owner:	PDO Investors, LLC
Well use:	Monitoring well/observation/piezometer		
Comple dat:	26-Jul-2006		
Status:	CONSTRUCTED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	739 N 2nd St, Lawrence		
Well depth:	17	Elev:	820.8

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Static dep:
Driller:

13.11
Larsen and Associates, Inc.

Est yield:

Not Reported

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 IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

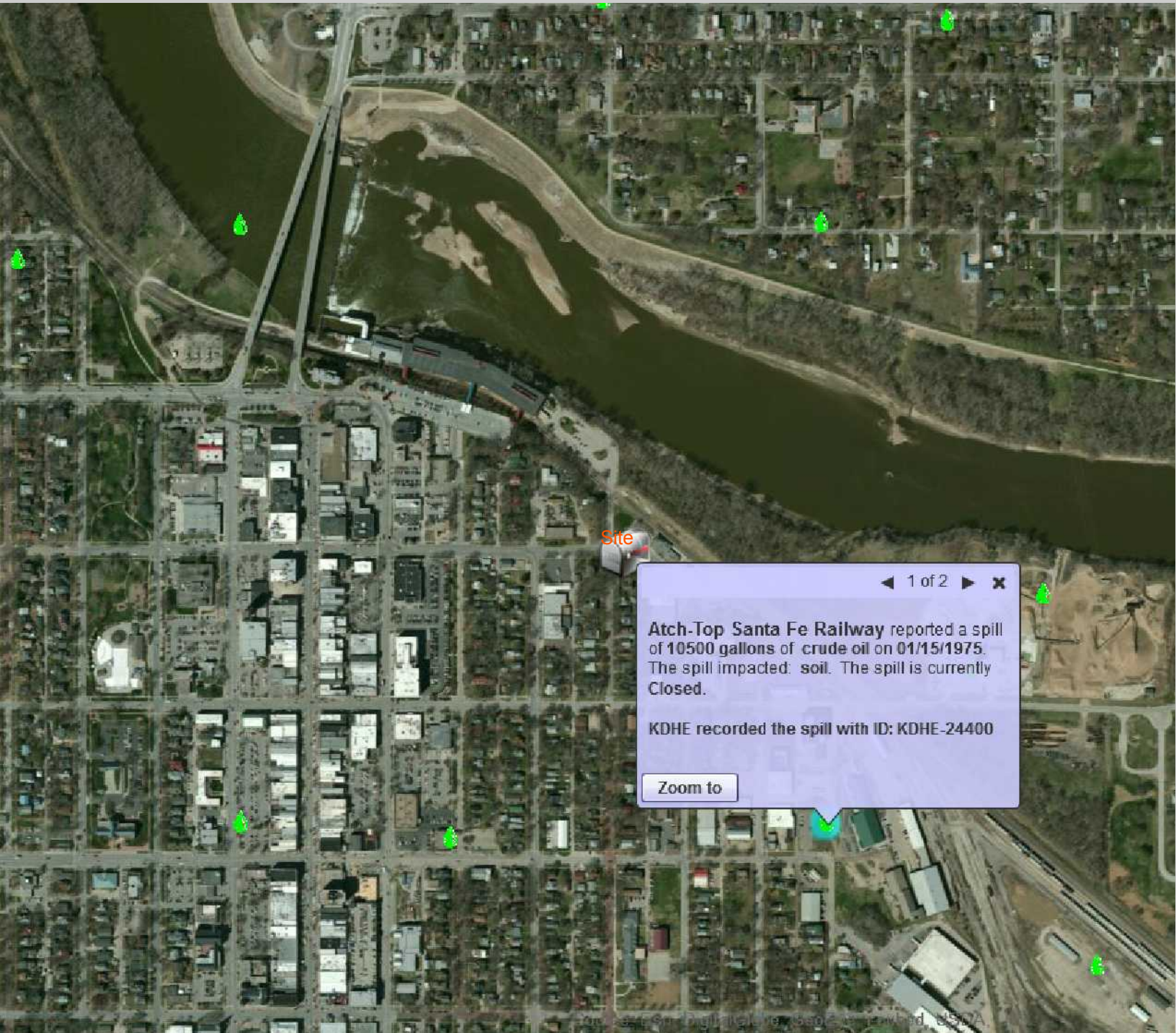
PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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KDHE BER Spills

Kansas Department of Health and Environment



◀ 1 of 2 ▶ ✕

Atch-Top Santa Fe Railway reported a spill of 10500 gallons of crude oil on 01/15/1975. The spill impacted: soil. The spill is currently Closed.

KDHE recorded the spill with ID: KDHE-24400

Zoom to

KDHE makes no assurances of the accuracy of information presented in the Spills Web Map. Knowingly selling, giving, or receiving any list of names and addresses contained in or derived from public records is a crime. Mon Sep 30 2013 01:35:51 PM.

APPENDIX E
SITE PHOTOGRAPHS

Phase I Assessment

413 E. 7th Street ■ Lawrence, Kansas

Date Photos Taken: September 10, 2013 ■ Terracon Project No. 14137059



Photo #1 Facing southeast, image of the northwest side of structure.



Photo #2 Image of interior of structure.



Photo #3 Image of staining observed on the concrete near the cooling unit.



Photo #4 Image of the southeast portion of the structure.



Photo #5 Image railroad spur located on the southeastern portion of site.



Photo #6 Image of dumpster located on the southeastern portion of site.

Phase I Assessment

413 E. 7th Street ■ Lawrence, Kansas

Date Photos Taken: September 10, 2013 ■ Terracon Project No. 14137059



Photo #7 Facing southeast, from the northwest side of site.



Photo #8 Facing northwest, from the southeast corner of site.



Photo #9 Facing southeast, image of a south adj. property (Kennedy Glass).



Photo #10 Image of 7th Street followed by a south adj. property (Murphy Furniture Service).



Photo #11 Facing west, image of a west adj. property (residential).

**APPENDIX F
CREDENTIALS**

KENDRA CASPERS

FIELD ENVIRONMENTAL SCIENTIST – ENVIRONMENTAL SERVICES

PROFESSIONAL EXPERIENCE

Ms. Caspers is a Field Environmental Scientist in Terracon's Topeka, Kansas, office. Ms. Caspers manages projects including Phase I and Phase II Environmental Site Assessments, in the Kansas Brownfields Program and is responsible for the performance of field investigations, work plan development, bid proposal preparation, scope of services, and report preparation.

Ms. Caspers received her Bachelor's Degree in Environmental Studies at the University of Kansas in 2010. Her course work included Environmental Policy, Environmental Geology, Urban Planning, Ecology, Map Cartography, Environmental Quality, and Geographic Information Systems (GIS).

PROJECT EXPERIENCE

Redevelopment Projects

- **Burlingame, Kansas Brownsfield Redevelopment Projects 2011 – Present**

Project manager for multiple sites located in the downtown district in Burlingame, Kansas. The projects included Phase I/ Phase II assessments, and asbestos surveys. Reports were developed from historical research, site observations and sampling, and regulatory analysis.

- **Coffeyville, Kansas Brownfields Targeted Assessments 2010 – Present**

Project manager for multiple brownfields sites considered for redevelopment through the USEPA Brownfields Grant Program. The projects consist of Phase I & Phase II Assessments and asbestos surveys to develop recommendations and remediation strategies.

- **Cherryvale, Kansas Brownfields Targeted Assessments 2010 - 2012**

Conducted multiple Phase I and Phase II assessments for the City of Cherryvale, USEPA Brownfields Grant Program. The assessments included undeveloped land, former filling stations, residential properties, and commercial properties.

Phase I Environmental Site Assessments (ESAs)

- **Phase I Environmental Site Assessments 2010 - Present**

Conducted and managed more than 50 Phase I ESAs throughout Kansas and Missouri including undeveloped land, agricultural sites, gasoline stations, various commercial properties, manufacturing facilities, dry cleaners facilities, and Brownfields Assessment sites.

Education

Bachelor of Science, Environmental Studies, Minor in Geography, 2010, University of Kansas

Certification

*Radon Measurement Technician
August 2012 to present*

*OSHA 40-Hour HAZWOPER
Refresher Training,
January 2012 to present*

*Certified Asbestos Inspector for
Kansas and Missouri
January 2011 to present*

*Opacity Method 9 Certification,
October 2011 to present*

Work History

*Terracon Consultants, Inc., Field
Environmental Scientist, 2010 to
present*

Affiliations

*Fast Forward, Young Professionals
Committee, 2012*

*Kansas Executive Express Network,
Vice President of Marketing &
Publications, 2011 to present*

Fast Forward, 2011 to present

*Greater Topeka's 20 Under 40
Steering Committee, 2011*

Phase II ESAs / Limited Site Investigations

- **Garnett Astrocap Phase II, Garnett Kansas 2012**
Completed a soil and groundwater investigation at a former truck cover manufacturing facility to determine the potential release of petroleum and/or hazardous materials associated with the historical manufacturing activities.
- **Residential House, Topeka Kansas 2012**
Managed and conducted a subsurface investigation to determine if the site was impacted by the historical activities associated with a former industrial facility located on a north adjoining property. Prior to the investigation, a health/ safety plan and a work plan was completed to address safety concerns associated with the site and field work activities.

Asbestos Projects

- **Asbestos Hazards Emergency Response Act (AHERA) Projects, 2011 – 2012**
Conducted EPA AHERA asbestos inspections for USD 383 Manhattan school district. Helped this school district maintain AHERA compliance with annual notifications and periodic surveillance. Performed project monitoring for the asbestos abatements prior to and during renovations.
- **National Emissions Standards for Hazardous Air Pollutants (NESHAP) Asbestos Surveys**
Conducted NESHAP asbestos surveys for multiple buildings prior to demolition and renovation. Buildings surveyed include former filling stations, community centers, auto repair facilities, vacant structures, former nursing homes.

Landfill Projects

- **Shawnee County, Kansas Landfill 2010 - Present**
Conducted groundwater and landfill gas monitoring on a quarterly basis at the closed Shawnee County, Kansas landfill regulated by the Kansas Department of Health & Environment (KDHE).
- **Franking County Landfill 2011**
Sampled monitoring wells for groundwater analysis for an active landfill located in Franklin County, Kansas.

BRIDGET M. BRODERICK, L.G.

ENVIRONMENTAL DEPARTMENT MANAGER

PROFESSIONAL EXPERIENCE

Ms. Broderick Environmental Department Manager in Terracon's Topeka, Kansas office. Ms. Broderick has eighteen years project management experience (13 years as a regulator for the State of Kansas) and professional training focused on environmental assessment and environmental remediation. As a department manager, she is responsible for business development, management and technical supervision of environmental personnel and projects in the Topeka region. Ms. Broderick's management experience entails environmental assessment and cleanup projects conducted to protect drinking water resources, facilitate property transactions, and support redevelopment of idle and underutilized properties. Ms. Broderick has managed several large scale remediation projects across the state of Kansas.

PROJECT EXPERIENCE

REDEVELOPMENT PROJECTS

Kanza Fire and Center Crossing Sites, Greater Topeka Chamber of Commerce, 2007-2012

Completed Phase I ESAs and subsequent updates for a development projects at two industrial development areas in South Topeka. In addition to the ESAs, letters were sent to the Kansas Historical Society, Kansas Department of Wildlife and Parks, and the US Fish and Wildlife Department to identify any concerns the agencies may have regarding future development. As new projects are developed, Terracon continues to coordinate with the Chamber to address environmental needs in these project areas.

Menninger Hill Redevelopment – Topeka, Kansas, 2007-2009

Managed Phase I ESA and asbestos services for the 120 acre, 22 building former mental health facility proposed as the new location of a local hospital.

BROWNFIELDS

Cherryvale Brownfields Assessment Project – Cherryvale, Kansas 2009-2012

Senior Project Manager for the City of Cherryvale, Kansas USEPA Brownfields Assessment Grants. The projects involved Phase I and Phase II Assessment, redevelopment strategies, and cleanup planning to support the redevelopment of properties within the city. Activities included development of QAPPs, PSAPs, Health and Safety Plans, ABCAs and community education presentations. One site has been entered into the KDHE Voluntary Cleanup Program for subsequent cleanup activities.

Coffeyville Brownfields Assessment Project – Coffeyville, Kansas 2010-Present

Senior Project Manager for the City of Coffeyville, Kansas USEPA Brownfields Assessment Grants. The projects involve Phase I and Phase II Assessment, redevelopment strategies, and cleanup planning to support the redevelopment of properties within the city. Activities included

Education

Bachelor of Science, Geology, 1993, Kansas State University

Affiliations

ABWA, 2009-Present, KEEN Group, KEEN Vice President Awards & Recognition, 2010-2012, KEEN Vice President Membership 2012-Present

Society of Manufacturing Engineers, Topeka Area Chapter, 2011-Present

Topeka Chamber of Commerce, After Hours Committee, 2011-Present

North Topeka Arts District, Saturday Market Steering Committee, 2011-2012

Registrations

Kansas Licensed Geologist #45

Certifications

Phase I and Phase II Environmental Site Assessments, ASTM, December 2005, Kansas City, KS

Orientation to Quality Assurance/Systematic Planning Process and Quality Assurance Project Plans, USEPA, October 2005, Topeka, KS

HAZWOPER Refresher Training, May 2012

Awards

ABWA Woman of the Year (ToWN Chapter), 2011

ABWA Woman of the Year (KEEN Chapter), 2012

Work History

Terracon Consultants, Inc.- Environmental Project Manager 2006-Present

Kansas Department of Health and Environment (KDHE) Professional Geologist IV, 2001 to 2006

Kansas Department of Health and Environment (KDHE) Environmental Geologist/Project Manager, 1993 to 2001

development of QAPPs, PSAPs, Health and Safety Plans, ABCAs and community education presentations.

Kansas Brownfields Program Manager – KDHE, 2001-2006

Developed & implemented the program as the program coordinator since programs inception in 2001 until 2006. In that time, over 350 parcels of property were assessed. Assisted local governments, developers, and various economic development agencies in redeveloping brownfield properties by satisfying federal all appropriate inquiry requirements. Assisted and developed grant applications submitted to USEPA. Managed city-wide and state Brownfields inventory projects across the state and managed assessment of redevelopment corridors in Wichita and Topeka. Sole person responsible for promoting the Brownfields Program to municipalities, economic development agencies, and Not-For-Profit organizations.

Technical Assistance to Brownfields Workshops – Various Cities, EPA Region 5&7, 2012-Present

Assisted the Technical Assistance to Brownfields (TAB) program implement workshops in cities located in EPA Region 5 and/or 7. Presented brownfields redevelopment concepts to public and private stakeholders.

Kansas Brownfields Workshops – Various Cities, Kansas, 2007, 2010

Planned and organized day long seminars at various locations on behalf of KDHE. Obtained speakers, developed promotional material, and provided senior assistance during workshops.

KDHE BTAs, State of Kansas, 2006-Present

Senior review and management of Phase I and Phase II Brownfields Targeted Assessments (BTA) under this three State contracts. Served as contract manager to address contractual issues under all three contracts.

KDHE VCP Site, Road Maintenance Facility, Shawnee County, Kansas, 2009

Terracon provided environmental services for the Voluntary Investigation required by KDHE to evaluate potential environmental issues associated with this current road maintenance facility in Shawnee County. The site is a 40 acre tract of land that has been used as a road maintenance facility since the 1970's.

City of Flagstaff Brownfields QAPP/HSP – Flagstaff, Arizona, 2007-2008

Author of Generic QAPP/HSP for the City of Flagstaff's Route 66 Central Corridor Assessment Grant project. Developed document based on EPA Region 9 guidance documents and previously approved Terracon QAPP documents.

KDHE Brownfields Petroleum Assessment Grant, 2005 State of Kansas

Author of a successful grant application for a \$200,000 Brownfields Petroleum Assessment Grant from USEPA. Funding awarded following a national USEPA grant competition.

21st Corridor Assessment Project, 2004-2006 Wichita, Kansas

Project Manager for approximately 190 parcels of property for Phase I Brownfields Targeted Assessments. Conducted subsequent Phase II assessments for 14 parcels with Recognized Environmental Conditions.

Topeka Riverfront Development Brownfields Assessment, 2005-2006 Topeka, Kansas

Project Manager for Phase I & II Brownfields Targeted Assessment activities of the proposed redevelopment area in downtown Topeka.

Property Redevelopment Assessments, 2004-2005, FUDS Sites in Kansas

Directed the completion of Phase I & II Property Redevelopment Assessments at Formerly Utilized Defense Sites (FUDS) in Pratt and Salina, Kansas. Activities were conducted under KDHE's Brownfields grant.

Burlingame Railroad Corridor, 2006, Burlingame, Kansas

Directed activities for the Phase II Brownfields Targeted Assessment and subsequent excavation activities of petroleum impacted soils under the Kansas Voluntary Cleanup Program.

KDHE Brownfields Pilot Revolving Loan Fund Grant, State of Kansas, 2003

Author of a successful grant application for a \$1.0 million Brownfields Revolving Loan Fund Grant from USEPA. Funding awarded following a national USEPA grant competition.

REMEDIATION**Shawnee County Landfill & Shooting Range, Shawnee County, Kansas 2009-Present**

Project manager for the investigation and corrective action planning of a former shooting range located at the Shawnee County, Kansas landfill. Proposed corrective action activities include lead recycling, soil stabilization, and capping. In addition to the investigation of the shooting range, also managed the preparation of the Corrective Action Plan for repairs on the former landfill cap and conducted groundwater and landfill gas monitoring.

Former Automobile Recycler, Emporia, Kansas, 2012-Present

This project involves the investigation and corrective action of an abandoned former automobile facility. Over 200,000 tires and other debris were removed from the site. The site was entered into the KDHE VCP. Corrective Action activities are planned.

0 W 3rd Street, Cherryvale, Kansas 2012-Present

During a Phase II conducted as part of the City's Brownfields Grant, apparent smelter waste was identified in a vacant lot. The site has been enrolled in the KDHE VCP for corrective action.

Former Webster/Miller Refinery, Humboldt, Kansas, 1997-2006

Project manager during an investigation conducted to define the nature of an existing tar pit at the site. A Corrective Action Study was conducted to determine the most appropriate cleanup option. Corrective Action activities consisted of removal of sludge material at the site. These activities were conducted to stabilize material remaining in tar pit. The material was mixed with cement kiln dust from a nearby cement plant and encapsulated. Approximately 3,100 cubic feet of material was excavated and removed and/or treated at the site.

Former Great Western Refinery, Erie, Kansas, 2001-2004

Project manager in charge of determining the correct cleanup alternative to this former refinery site. The existing land owner had encapsulated much of the waste sludge material; however, the thickness of the cap and depth of the material had not been documented. The remaining material at the site was characterized to determine if the efforts the landowner had conducted had stabilized the material. Sludge "breakout" areas were also identified at this time and were consolidated with the other encapsulated material during the characterization process.

Water Line Installation at Ace Services Superfund Site, Colby, Kansas 2001-2002

Project manager for the installation of a 1 ½ mile water line installed to provide a safe drinking water supply for residences with hexavalent chrome impacts to their domestic wells from the Ace Services Superfund site. As project manager, directed contractor during the design and installation of the water line.

Wellington Former Manufactured Gas Plant (FMGP), Wellington, Kansas 1998-2006

Project manager for FMGP site located in a City Park. Conducted Comprehensive Investigation activities as well as indoor air activities at a building remaining from former MGP operations. Due to indoor air impacts from the FMGP, oversaw the design modifications for the heating and cooling system in the building.

Winfield Former Manufactured Gas Plant (FMGP), Winfield, Kansas 1998-2006

Directed cleanup activities associated with coal gas impacts to surface soil. Evaluation of cleanup options determined the most effective approach was limited excavation combined with an engineered vegetative cap and geotextile marker. Once construction activities for the project were complete, an institutional control was placed on the property.

Moscow Public Water Supply, Moscow, Kansas, 1997-1999

Project manager for this impacted public water supply site. After VOCs were detected in a City of Moscow public water supply well, the well was taken out of service. As an emergency response action, Ms. Broderick directed contractors to modify an existing air stripper system used as an interim well-head treatment system at the site. This system was in operation until a permanent system could be installed.

Richardson Property, Hutchinson, Kansas, 2001-2006

Investigations at the property (an illegal dumping area) determined petroleum sludge and petroleum contaminated soils were present at the site. Corrective action activities were initiated in May 2004. Bulk storage tanks were emptied, crushed, and disposed of the Reno County Landfill. Approximately 800 cubic yards of sludge were stabilized with cement kiln dust. Approximately 1,000 cubic yards of stabilized sludge, along with contaminated soil, were disposed of at the landfill.

Hutchinson Air Base Industrial Tract (HABIT), Yoder, Kansas 1997-2006

Project manager for site whose ground water plume was migrating towards a public drinking water well. Several domestic wells present within plume area. The Kansas State Water Plan program installed approximately 3 miles of water line to supply residents with a safe drinking water supply.

Other Projects

Kansas State Water Plan Contamination Remediation Program Manager, KDHE, 2001-2006

With an annual average of 80 sites across Kansas, was responsible for ensuring staff assigned to the program adequately address sites from the assessment to the cleanup phase. Program manager responsibilities included managing a one million dollar a year budget. Ms. Broderick was required to manage a state-wide contract for environmental services with up to six separate vendors and associated subcontractors. Projects often entail joint efforts between the Kansas Environmental Use Controls, Voluntary Cleanup, and Brownfields programs. In this program, Ms. Broderick was required to have significant interaction with the public, other state agencies, local governments, Basin Advisory Committees, and USEPA. Specific sites managed in the program included abandoned zinc smelter and manufactured gas plant facilities, abandoned refineries, petroleum release sites, agri-chemical release sites, and various other properties.

Department of Defense Sites, KDHE, 1994-1996

Responsible for conducting review and oversight of investigations for approximately 30 Formerly Utilized Defense Sites (FUDS) within the state of Kansas. Coordinated with the U.S. Army Corps of Engineers, U.S. EPA, and various private entities.

Joint Forces Headquarters EA, Kansas Adjutant General's Department 2006-2008

Managed Environmental Assessment (EA) for the proposed construction of the Joint Forces Headquarters at the National Guard facility in Topeka, Kansas. This EA was completed according to US Army National Guard and NEPA specifications including research, data collection and interpretation, report preparation, and community outreach.

Park Project & Proposed Fire Station HUD EA, Fort Scott, Kansas 2006-2007

Managed Environmental Assessment (EA) for the proposed construction of a park and fire station retaining wall in Fort Scott, Kansas. This EA was completed according to HUD and NEPA specifications including research, data collection and interpretation, report preparation, and community outreach.