

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
CITY OF HOUSTON
LIFT STATION RENEWAL AND REPLACEMENT
FIR RIDGE LIFT STATION
WBS NO. R-000267-0117-3
HOUSTON, TEXAS**

Reported to:

IDS ENGINEERING GROUP, INC.

Houston, Texas

Submitted by:

GEOTEST ENGINEERING, INC.

Houston, Texas

REPORT NO. 1130020901

January 9, 2015

Key Map No. 338 L



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Report No. 1130020901

January 9, 2015

IDS Engineering Group, Inc.
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Houston, Texas 77040

**Reference: Phase I Environmental Site Assessment
Lift Station Renewal and Replacement
Fir Ridge Lift Station
WBS NO. R-000267-0117-3
Houston, Texas**

Gentlemen:

We are pleased to present the final Phase I Environmental Site Assessment report, which presents the records review, results of site reconnaissance, findings, and conclusions for the referenced project. A draft report was submitted on November 25, 2014. This final report will supersede the previously submitted reports, transmittals, e-mails, etc. for the referenced project. This assessment was authorized by IDS Engineering Group, Inc. through Subconsultant Services Agreement dated September 10, 2014 and by accepting our Proposal No. 1130026499 dated May 30, 2014.

We appreciate the opportunity to be of service to you. If we can be of further assistance, please call us.

Sincerely,
GEOTEST ENGINEERING, INC.
TBPE Registration No. F-410

Naresh Kolli, P.E.
Assistant Project Manager



Mohan Ballagere, P.E.
Vice President



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Copies submitted: (2 + 1-pdf)
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TABLE OF CONTENTS

	<u>Page</u>
1.0 SUMMARY.....	1
2.0 INTRODUCTION	
2.1 Project Description.....	3
2.2 Purpose.....	3
2.3 Scope of Services.....	3
2.4 Significant Assumptions.....	4
2.5 Limitations and Exceptions of Assessment.....	4
2.6 Special Terms and Conditions.....	5
2.7 User Reliance.....	5
2.8 Limiting Conditions and Methodology Used.....	5
3.0 SITE DESCRIPTION	
3.1 Location and Legal Description.....	6
3.2 Site and Vicinity Characteristics.....	6
3.3 Current Uses of the Property.....	6
3.4 Description of Structure, Roads, and Other Improvements on the Area.....	6
3.5 Current Uses of the Adjoining Properties.....	6
3.6 Site Rendering, Map, or Site Plan.....	6
4.0 USER PROVIDED INFORMATION	
4.1 Title Records.....	7
4.2 Environmental Liens or Activity and Use Limitations.....	7
4.3 Specialized Knowledge.....	7
4.4 Commonly Known or Reasonable Ascertainable Information.....	7
4.5 Valuation Reduction for Environmental Issues.....	7
4.6 Owner, Property Manager, or Occupant Information.....	7
4.7 Reason for Performing Phase I ESA.....	7
5.0 RECORDS REVIEW	
5.1 Standard Environmental Record Sources, Federal and State.....	8
5.2 Additional Record Sources.....	9
5.3 Physical Setting Sources.....	9
5.4 Historical Use Information.....	10
5.5 Previous Environmental Investigations.....	11
5.6 Property Tax Map Report.....	11

TABLE OF CONTENTS (cont'd)

	<u>Page</u>
6.0 SITE RECONNAISSANCE	
6.1 Methodology and Limiting Conditions.....	12
6.2 General Site Setting	12
6.3 Exterior Observations	12
6.4 Interior Observations.....	12
7.0 INTERVIEWS	
7.1 Interviews with Owners	13
7.2 Interviews with Site Manager	13
7.3 Interviews with Occupants.....	13
7.4 Interview with Local Government Officials	13
7.5 Interviews with Others	13
8.0 FINDINGS	14
9.0 CONCLUSIONS AND RECOMMENDATIONS	15
10.0 DEVIATIONS.....	16
11.0 ADDITIONAL SERVICES	17
12.0 REFERENCES	18

ILLUSTRATIONS

	<u>Figure</u>
Vicinity Map	1
Topographic Maps	2.1 thru 2.4
Environmental Data Resources (EDR) Data Maps.....	3.1 thru 3.3

APPENDICES

	<u>Appendix</u>
Environmental Data Resource Report.....	A
Other Related Information	B
Aerial Photographs.....	C
Site Photographs	D
Qualifications of Environmental Professionals Participating in Phase I ESA.....	E

1.0 SUMMARY

Geotest Engineering, Inc. was authorized by IDS Engineering Group, Inc. through Subconsultant Services Agreement dated September 10, 2014, by accepting our Proposal No. 1130026499 dated May 30, 2014 to perform a Phase I Environmental Site Assessment (ESA) for the Fir Ridge Lift Station in Houston, Texas.

The Fir Ridge Lift Station (the project alignment) project includes design and construction of approximately 1,300 Linear Feet of a new 12-inch relief sewer from manhole along Fir Ridge Lane and Sunny Glenn Drive easement to tie into lift station. The maximum depth of the relief sewer is about 17 feet.

The purpose of this assessment was to identify and document the Recognized Environmental Conditions (REC) along the Project Alignment. The scope of this assessment included a review of records from federal, state and local agencies, historical topographic maps, historical aerial photographs, Federal Emergency Management Agency (FEMA) maps, wetlands maps and a limited site reconnaissance including interviews with appropriate parties. This assessment was conducted in general accordance with ASTM E1527-13 Standard Practice as modified by the Geotechnical and Environmental Requirements of the City of Houston Department of Public Works and Engineering (PWE) Infrastructure Design Manual, Chapter 11.

- Based on the information from Environmental Data Resources, Inc., no sites of environmental concern were identified within the City of Houston search distance criteria.
- Based on the available historical topographic maps of Huffman Quadrangle (1920, 1960, 1980, and 1995) presented on Figures 2.1 through 2.4, the approximate elevation of the Project Alignment is approximately 60 feet to 65 feet above Mean Sea Level (MSL). The groundwater flow is from northeast to southwest towards Lake Houston.

- A review of historical aerial photographs (1939, 1944, 1957, 1969, 1973, 1979, 1983, 1989, 1995, 2005, 2006, 2010 and 2012) presented in Appendix C revealed no surficial anomalies associated with waste disposal or industrial activities along the Project Alignment.
- Based on information from the Federal Emergency Management Agency (FEMA), the Project Alignment lies outside the 500-year flood zone on the Flood Insurance Rate Map presented in Appendix B.
- Based on the National Wetland Inventory Database presented in Appendix B, no wetlands exist along the Project Alignment.
- Site visit and interviews revealed no environmental concerns to the Project Alignment.

We have performed a *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM E1527-13 Standard as modified by the City of Houston Department of Public Works and Engineering Infrastructure Design Manual Chapter 11 for Renewal and Replacement of Fir Ridge Lift Station in Houston, Texas. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. This assessment revealed no Recognized Environmental Conditions (REC) along the Project Alignment. Hence, a Phase II ESA study is not warranted at this time for the Project Alignment.

Should construction be delayed for a significant period, the latest records should be reviewed to detect the presence of any environmental conditions not reported or detected at this time.

2.0 INTRODUCTION

2.1 Project Description

The Fir Ridge Lift Station project includes design and construction of approximately 1,300 LF of new 12-inch relief sewer from man hole along Fir Ridge Lane and Sunny Glenn Drive easement to tie into lift station. The maximum depth of the relief sewer is about 17 feet. The Vicinity Map is shown on Figure 1.

2.2 Purpose

The purpose of this assessment was to identify and document the REC's for the proposed Fir Ridge Lift Station (WBS NO. R-000267-0117-3) in Houston, Texas. This assessment was conducted in general accordance with ASTM E1527-13 Standard Practice as modified by the Geotechnical and Environmental Requirements of the City of Houston Department of Public Works and Engineering Infrastructure Design Manual, Chapter 11.

2.3 Scope of Services

The scope of this ESA consisted of the following:

1. Reviewed regulatory agency lists for records regarding possible hazardous material handling, spills, storage, and production sites in the vicinity that may potentially threaten the Project Alignment. These lists include Comprehensive Environmental Response Compensation Liability Information System (CERCLIS), Resource Conservation Recovery Information System (RCRIS), National Priority List (NPL), Emergency Response Notification System (ERNS), Underground Storage Tanks (UST), Leaking Petroleum Storage Tanks (LPST), Voluntary Cleanup Site (VCP), Industrial Hazardous Wastes Sites (IHW) and waste disposal sites.
2. Reviewed selected aerial photographs for the past use of activity along the Project Alignment from years 1939, 1944, 1957, 1969, 1973, 1983, 1989, 1995, 2005, 2006, 2010 and 2012 to present in order to identify any REC.

3. Reviewed additional records such as topographical maps (1920, 1960, 1980 and 1995) and wetland maps for the Project Alignment.
4. Performed site visit and conducted on-site interviews to identify any REC along the Project Alignment.
5. Prepared a Phase I Environmental Site Assessment report describing the findings of this assessment.

2.4 Significant Assumptions

As indicated in ASTM E1527-13, no Environmental Site Assessment (ESA) can wholly eliminate uncertainty regarding the potential for REC in connection with the Project Alignment. This practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with the Project Alignment.

No attempts were independently made to verify information (i.e., historical reports, file reviews, interviews, etc.) provided to Geotest by others during this assessment. In addition, no specific attempt was made to verify the compliance of present owners, or operators with federal, state or local laws and/or regulations.

2.5 Limitations and Exceptions of Assessment

The information, findings and conclusions provided in this report are based on the regulatory agency listing provided by Environmental Data Resources (EDR), a general knowledge of the Project Alignment, a review of available public records, a review of available aerial photographs and a limited site reconnaissance. The observations made at the time of the site visit (depending upon the accessibility and the size) are limited to the areas walked. There may be areas of environmental concerns (presence of hazardous materials) not covered by the site visit due to limited scope of this assessment. No warranty is made regarding the accuracy of the documented public information or the opinions of officials consulted or private individuals interviewed for this assessment or the observations made at the time of the site visit.

2.6 Special Terms and Conditions

Geotest Engineering, Inc. was authorized by IDS Engineering Group, Inc. through Subconsultant Services Agreement on September 10, 2014 and by accepting our Proposal No. 1130026499 dated May 30, 2014 to perform a Phase I ESA for the proposed Renewal and Replacement of Fir Ridge Lift Station in Houston, Texas.

2.7 User Reliance

This report has been prepared for the exclusive use and reliance of IDS Engineering Group, Inc. and the City of Houston. This report shall not be reproduced without the written permission of Geotest Engineering, Inc., IDS Engineering Group, Inc., and the City of Houston.

2.8 Limiting Conditions and Methodology Used

After this section of the report, Section 3 provides a description of current and past uses of the Project Alignment and adjoining properties based on the information provided by the client, our site visit, interviews in the locality and available aerial photographs. Section 4 provides user provided information, title records, owner, property manager and other occupant information, and reasons for performing the Phase I ESA. Section 5 provides regulatory agency data from EDR, historical information including aerial photographs (1938 to 2012), USGS Maps and floodplain maps. Sanborn fire insurance maps were not available for this project. Section 6 provides information obtained from the site reconnaissance. Section 7 provides information obtained from interviews with owners, site manager, occupants, local government officials and others in the locality at or adjacent to Project Alignment. Section 8 provides the findings. Section 9 provides opinion and conclusions of the study based on all the available sources. Section 10 provides deviations from ASTM E1527-13 and Section 11 provides additional services performed. Section 12 provides the references used for the Phase I ESA. Maps are provided in illustrations section. Regulatory agency data, other related information, aerial photographs, and site photographs are provided in the appendices.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The Project Alignment is located along Fir Ridge Drive and Sunny Glenn Drive easement to tie into the lift station.

No legal description of the Project Alignment is available.

3.2 Site and Vicinity Characteristics

The Project Alignment runs along Fir Ridge Drive and Sunny Glenn drive to tie into the lift station. The general vicinity is residential.

3.3 Current Uses of the Property

The current use of the Project Alignment is roadway and road right of way.

3.4 Description of Structure, Roads, and Other Improvements on the Area

Fir Ridge Lane and Sunny Glenn Drive are the roadways along the Project Alignment.

3.5 Current Uses of the Adjoining Properties

The adjoining properties are residential.

3.6 Site Rendering, Map, or Site Plan

The historical topographic maps (Huffman) of the Project Alignment and adjacent areas are shown on Figures 2.1 through 2.4 from the years of 1920, 1960, 1980, and 1995. These maps show the topography of the Project Alignment and the surrounding areas, as well as the past uses and features of the Project Alignment and the surrounding areas. The environmental information maps are shown on Figures 3.1 through 3.3.

4.0 USER PROVIDED INFORMATION

4.1 Title Records

No title records were searched for the Project Alignment.

4.2 Environmental Liens or Activity and Use Limitations

No lien search was performed for the Project Alignment.

4.3 Specialized Knowledge

No specialized information or experience was reported or provided to us during this assessment.

4.4 Commonly Known or Reasonably Ascertainable Information

No commonly known or reasonably ascertainable information was reported or provided to us during this assessment.

4.5 Valuation Reduction for Environmental Issues

No valuation reduction information was available for the Project Alignment.

4.6 Owner, Property Manager, or Occupant Information

The City of Houston is identified as the owner of the Project Alignment. Several interviews were conducted with the occupants in the surrounding areas of the Project Alignment and the details of the interviews are presented in the section 7.0 of this report.

4.7 Reason for Performing Phase I ESA

The Phase I ESA is being performed to fulfill due diligence requirements for Renewal and Replacement of Fir Ridge Lift Station in Houston, Texas.

5.0 RECORDS REVIEW

5.1 Standard Environmental Record Sources, Federal and State

The search of the regulatory agency site listing revealed the following:

Regulatory Agency Database	ASTM		City of Houston	
	Search Distance	No. of Sites Found Within Search Distance	Search Distance	No. of Sites Found Within Search Distance
National Priority List (NPL)	1.0 mile	0	1 mile	0
Comprehensive Environmental Response Compensation and No Further Remedial Action Planned (CERC-NFRAP)	0.5 mile	0	500 feet	0
Resource Conservation and Recovery Act Treatment, Storage and/or Disposal (RCRA-TSD)	0.5 mile	0	1 mile	0
CORRACTS – A list of Handlers with Resource Conservation Recovery Act (RCRA) Correction Action Activity	1 mile	0	500 feet	0
State Hazardous Waste Sites (SHWS)	1.0 mile	0	1.0 mile	0
Resource Conservation and Recovery Act Small Quantity Generator (RCRA-SQG)	0.25 mile	0	500 feet	0
Resource Conservation and Recovery Act Large Quantity Generator (RCRA-LQG)	0.25 mile	0	500 feet	0
Resource Conservation and Recovery Act Conditionally Exempt Quantity Generator (RCRA-CESQG)	0.25 mile	0	500 feet	0
Resource Conservation and Recovery Act Non Generator (RCRA-Nongen)	0.25 mile	0	500 feet	0
US Engineering Controls	0.5 mile	0	500 feet	0
Integrated Compliance Information System (ICIS)	P*	0	P*	0
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)	0.5 mile	0	500 feet	0
Facility Index System (FINDS)	P*	0	P*	0
Emergency Response Notification System (ERNS)	P*	0	P*	0
Innocent Owner or Operator (IOP)	P*	0	P*	0
Underground Storage Tank (UST)	0.25 mile	0	500 feet	0
Leaking Petroleum Storage Tank (LPST)	0.5 mile	0	500 feet	0
Aboveground Storage Tank (AST)	0.25 mile	0	500 feet	0
Spills	P*	0	P*	0
Voluntary Cleanup Program (VCP)	0.5 mile	0	500 feet	0
US Brownfields	0.5 mile	0	500 feet	0
Enforcement First (ENF)	P*	0	P*	0
Activity and Usage Limitation (AUL)	0.5 mile	0	500 feet	0
Industrial Hazardous Waste	0.25	0	500 feet	0
GCC	P*	0	P*	0
SWF/LF and CLI	0.25 mile	0	500 feet	0
SWRCY	0.25 mile	0	500 feet	0
NY Manifest	0.25 mile	0	500 feet	0

Regulatory Agency Database	ASTM		City of Houston	
	Search Distance	No. of Sites Found Within Search Distance	Search Distance	No. of Sites Found Within Search Distance
TIER 2	0.25 mile	0	500 feet	0
NY Manifest	0.25 mile	0	500 feet	0
Dry Cleaners	0.25 mile	0	500 feet	0
Historic Auto Stations	0.25 mile	1	500 feet	0
Historic Cleaners	0.25 mile	0	500 feet	0

P* = Property (Project Alignment) only

There are no sites of environmental concern identified within the City of Houston search criteria.

5.2 Additional Record Sources

5.2.1 Floodplains – Based on information from the Federal Emergency Management Agency (FEMA), the Project Alignment lies outside the 500-year flood zone on the Flood Insurance Rate Map (Map Nos. 48201C0340L, revised on June 18, 2007). The Floodplain maps are presented in Appendix B.

5.2.2 Wetlands - Based on the National Wetland Inventory Database, no wetlands exist within the Project Alignment. The wetlands map is presented in Appendix B.

5.2.3 Sanborn Fire Insurance Maps – No Sanborn Map coverage was available for the Project Alignment.

5.2.4 City Directory Search – The City Directory search performed for the Project Alignment revealed no environmental concerns. The City Directory search is provided in Appendix B.

5.3 Physical Setting Sources

Based on the Geologic Atlas of Texas - Houston Sheet, the Project Alignment is in the Beaumont Formation. The clays and sands of this formation are over consolidated as a result of

desiccation or frequent raising and lowering of the sea level and subsequently the groundwater table. Consequently, clays of this formation have moderate to high shear strength and relatively low compressibility. Sands of the Beaumont Formation are typically very fine and often silty. Further there is evidence in the Houston area of the occurrence of cemented material (sandstone and siltstone) deposits within the Beaumont Formation.

The United States Geological Survey 7.5-minute Huffman topographic maps for the years 1920, 1960, 1980, and 1995 for surrounding areas were reviewed and are presented on Figures 2.1 through 2.4. Based on the topographic maps, the approximate elevation of the Project Alignment is approximately 60 feet to 65 feet above Mean Sea Level (MSL). The groundwater flow is from northeast to southwest towards Lake Houston.

5.4 Historical Use Information

5.4.1 Historical Aerial Photographs - A review of historical aerial photographs (1939, 1944, 1957, 1969, 1973, 1979, 1983, 1989, 1995, 2005, 2006, 2010 and 2012) revealed no surficial anomalies associated with waste disposal or industrial activities for the Project Alignment. The available aerial photographs are presented in Appendix C.

1939 Aerial Photograph – The Project Alignment is a largely wooded land. San Jacinto River is seen northwest of the Project Alignment.

1944 Aerial Photograph – No major changes are observed from previous aerial photograph.

1957 Aerial Photograph – The Project Alignment is seen developed along Fir Ridge Drive and Sunny Glenn Drive. Moose Jaw Lane and other main side streets are seen developed to the south of the Project Alignment. Some residential properties are seen developed along the side streets. Lake Houston is seen developed to the northwest of the Project Alignment.

1969 and 1973 Aerial Photographs – An Elementary School is seen developed to the east of the Project Alignment. Some other side streets are seen developed in the surrounding areas.

1979 and 1983 Aerial Photographs – The Project Alignment and the surrounding areas to the east are seen further developed into a residential subdivision.

1989 and 1995 Aerial Photographs – The area northwest of the Project Alignment adjoining Lake Houston is seen developed into lake front properties.

2005 and 2006 Aerial Photographs – The elementary school is seen fully developed with a fully functional sports facility. The area northeast of the Project Alignment adjoining Lake Houston largely remains wooded.

2010 and 2012 Aerial Photographs – No major changes are observed from previous aerial photograph.

5.4.2 United States Geological Survey (USGS) Maps - A review of USGS Maps for the years from 1939, 1944, 1957, 1969, 1973, 1979, 1983, 1989, 1995, 2005, 2006, 2010 and 2012 were reviewed for the historical land use. The Project Alignment is vacant land till 1953. The general area surrounding the Project Alignment was developed into residential area during the time from 1960 through 1995. No major changes were seen in the Project Alignment after 1995.

5.5 Previous Environmental Investigations

No previous environmental investigations were available for the Project Alignment.

5.6 Property Tax Map Report

No property tax map report was available for the Project Alignment.

6.0 SITE RECONNAISSANCE

A site visit was performed for the Project Alignment and surrounding areas by Geotest's environmental professional on October 20, 2014.

6.1 Methodology and Limiting Conditions

The site reconnaissance was performed in general accordance with ASTM E1527-13 and standard industry practices.

The site reconnaissance was conducted by visually observing by walking along the Project Alignment and the surrounding areas. Several photographs were taken during the site visit. The site photographs are presented in Appendix D.

6.2 General Site Setting

The Project Alignment is from manhole along Fir Ridge Lane and Sunny Glenn Drive easement to tie into the lift station. The surrounding areas of the Project Alignment are residential.

6.3 Exterior Observations

Residential properties were seen along the Project Alignment. The Project Alignment is asphalt paved.

No petroleum products or hazardous materials were observed in the vicinity.

No underground storage tanks were identified at the Project Alignment.

Pad and pole mounted electrical transformers were observed along the Project Alignment.

6.4 Interior Observations

No interior observations were made along the Project Alignment.

7.0 INTERVIEWS

7.1 Interviews with Owners

The City of Houston is identified as the owner of the Project Alignment. No interviews were performed with the owner.

7.2 Interviews with Site Manager

No Site Manager was identified for the Project Alignment.

7.3 Interviews with Occupants

Interviews were not performed with the commercial properties along the Project Alignment.

7.4 Interview with Local Government Officials

The City of Houston Fire Department was contacted for the Houston Fire Department-Hazardous Material Response Team database of hazardous materials incidents to which it responds. The response from the fire department is included in Appendix B. The City of Houston Fire Department responded to a number of incidents in the general area since 2003. However, the incidents require Houston Fire Department Hazardous Material Unit response and typically are cleaned up. Consequently, these incidents represent a minimal or no risk to the Project Alignment.

7.5 Interviews with Others

Mr. John Dawson, project manager with Severen Trent located at 3928 Kingwood Drive informed that Severn Trent is the prime contractor for the Lift Station at Sunny Glenn Drive. He is not aware when the lift station was built. He is also not aware of any environmental concerns in the area. The records of communications for the interviews are presented in Appendix B.

8.0 FINDINGS

The findings of the Phase I Environmental Site Assessment for the Project Alignment are summarized below:

- Based on the regulatory agency listings no sites of environmental concern were identified within the City of Houston search criteria.
- Based on the available historical topographic maps (1920, 1960, 1980, and 1995), the approximate elevation of the Project Alignment is approximately 60 feet to 65 feet above Mean Sea Level (MSL). The groundwater flow is from northeast to southwest towards Lake Houston.
- A review of historical aerial photographs (1939, 1944, 1957, 1969, 1973, 1979, 1983, 1989, 1995, 2005, 2006, 2010 and 2012) revealed no surficial anomalies associated with waste disposal or industrial activities along the Project Alignment.
- Based on information from the Federal Emergency Management Agency (FEMA), the Project Alignment lies outside the 500-year flood zone on the Flood Insurance Rate Map.
- Based on the National Wetland Inventory Database, no wetlands exist along the Project Alignment.
- Site visit and interviews revealed no environmental concerns to the Project Alignment.

9.0 CONCLUSIONS AND RECOMMENDATIONS

We have performed a *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM E1527-13 Standard as modified by the City of Houston Department of Public Works and Engineering Infrastructure Design Manual Chapter 11 for Renewal and Replacement of Fir Ridge Lift Station in Houston, Texas. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. This assessment revealed no Recognized Environmental Conditions (REC) for the Project Alignment. Hence, a Phase II ESA study is not warranted at this time for the Project Alignment.

Should construction be delayed for a significant period, the latest records should be reviewed to detect the presence of any environmental conditions not reported or detected at this time.

10.0 DEVIATIONS

No known deviations from the ASTM E1527-13 were made during this assessment.

11.0 ADDITIONAL SERVICES

No additional services or non-scope considerations were evaluated during this assessment.

12.0 REFERENCES

ASTM Standards on Environmental Site Assessments, Phase I Environmental Site Assessment (ASTM E1527-13).

The City of Houston, Department of Public Works and Engineering, Infrastructure Design Manual, Chapter 11.

Environmental Data Resources (EDR) – GeoCheck Radius Map Report

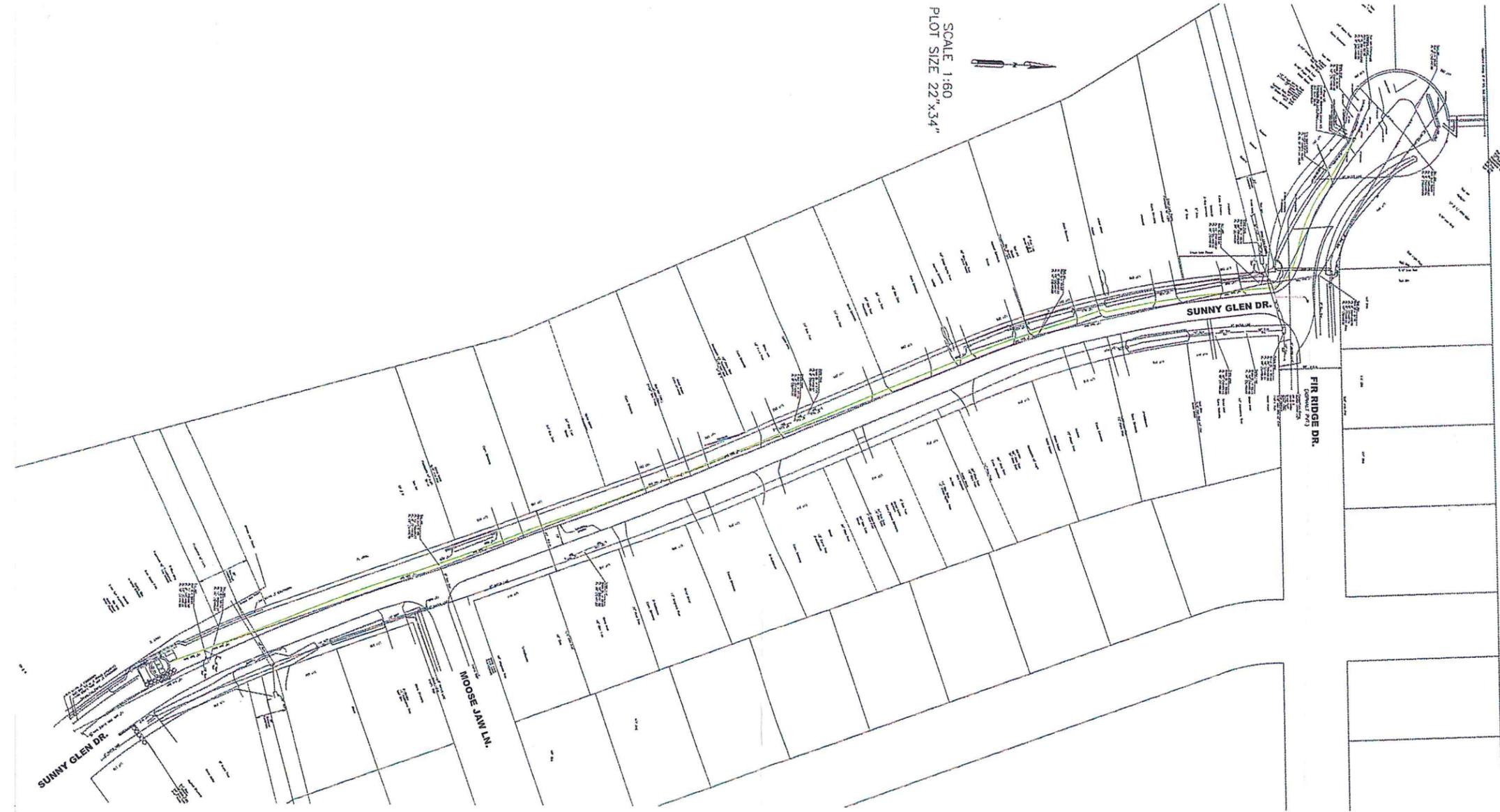
EDR – Historical Topographic Maps

EDR –Aerial Photo Decade Package

EDR - City Directory Abstract

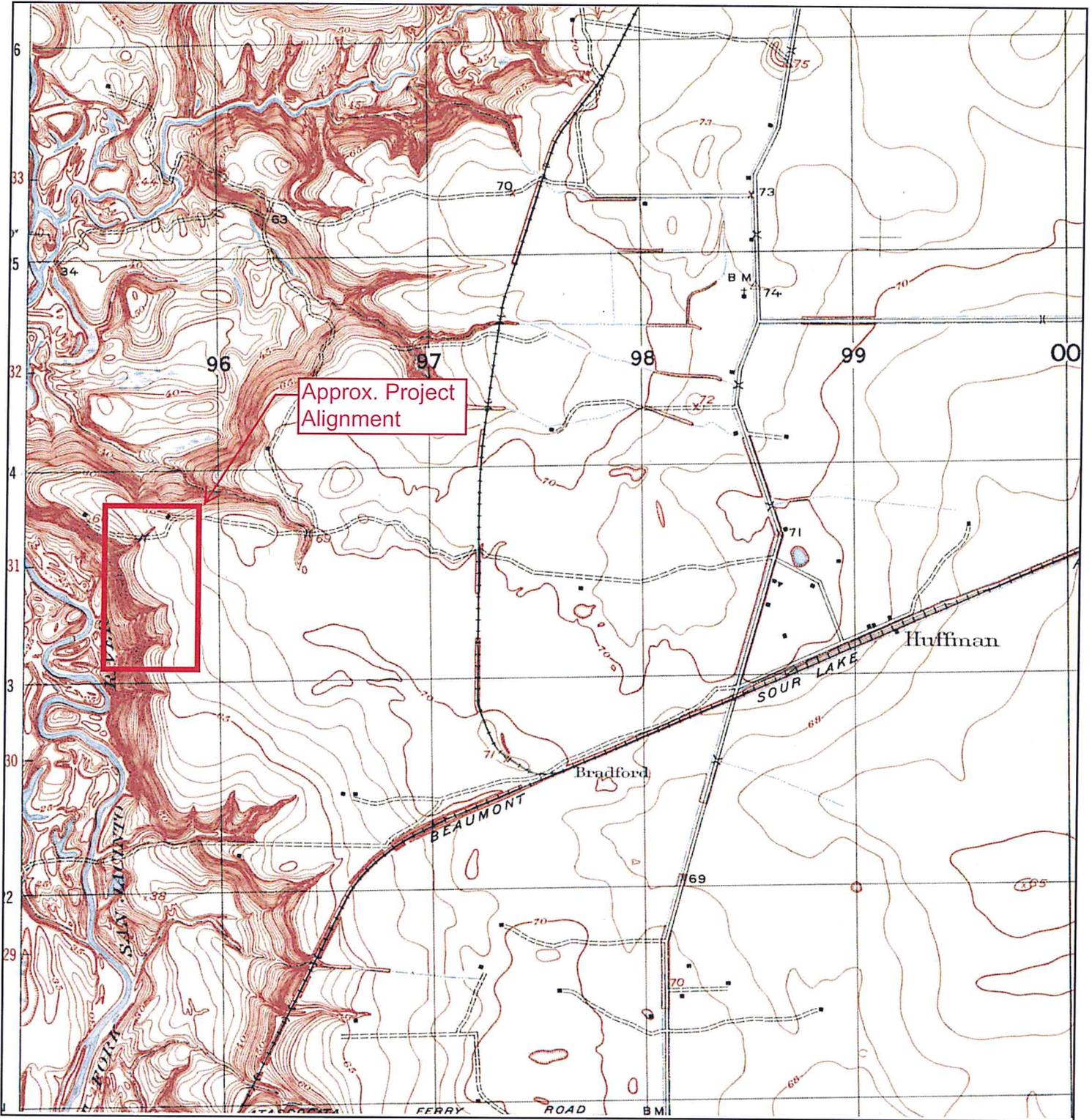
ILLUSTRATIONS

	<u>Figure</u>
Vicinity Map	1
Topographic Maps	2.1 thru 2.4
Environmental Data Resources (EDR) Data Maps.....	3.1 thru 3.3



VICINITY MAP

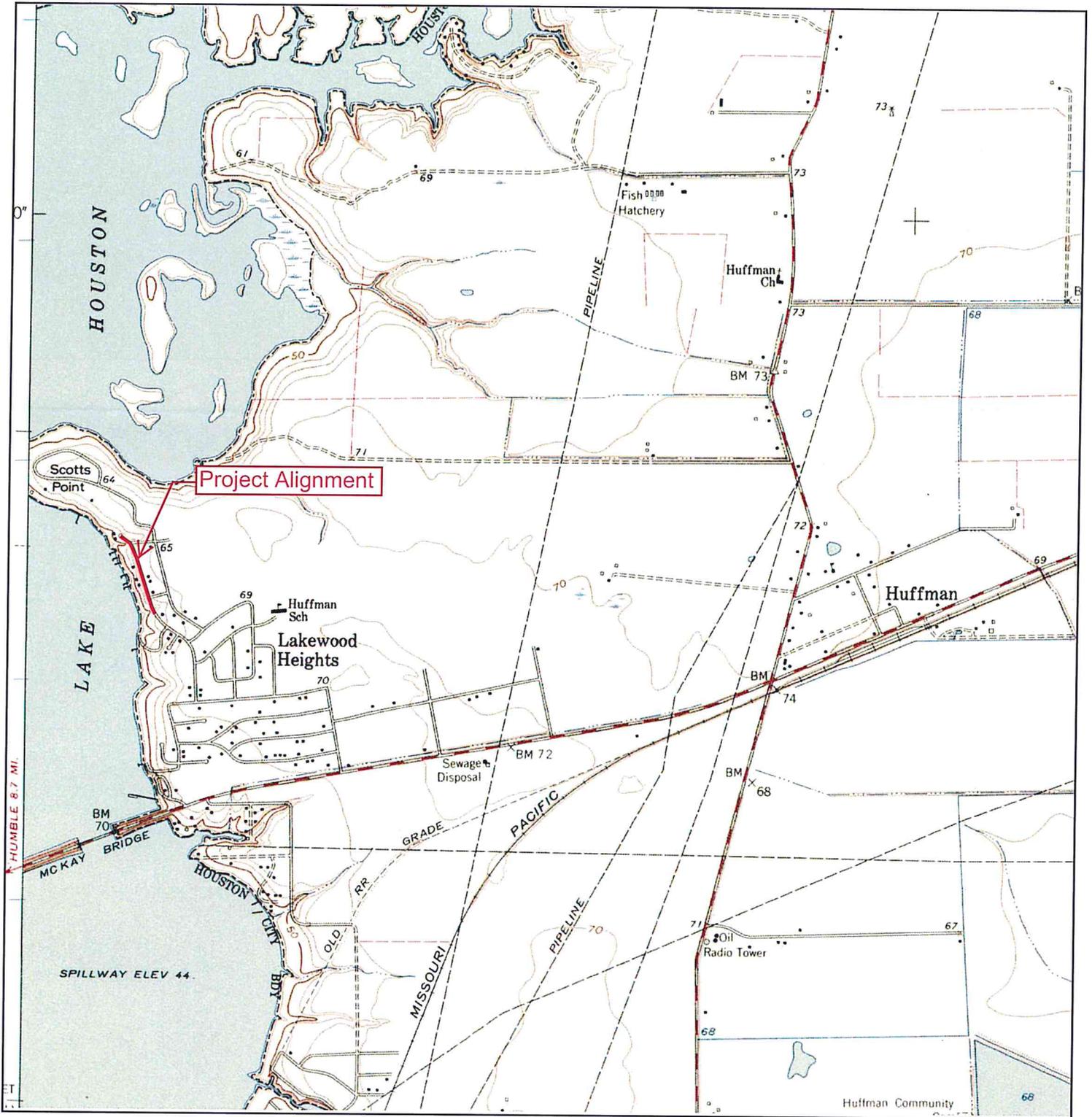
Historical Topographic Map



Job No. 1130020901

<p>N ↑</p>	<p>TARGET QUAD NAME: HUFFMAN MAP YEAR: 1920</p>	<p>SITE NAME: FY13 LS Renewal and Replacement Fir Ridge LS</p>	<p>CLIENT: Geotest Engineering Inc. CONTACT: Naresh Kolli</p>
	<p>SERIES: 7.5 SCALE: 1:25000</p>	<p>ADDRESS: Fir Ridge Drive and Sunny Glen Drive Huffman, TX 77336</p>	<p>INQUIRY#: 4084327.4 RESEARCH DATE: 09/25/2014</p>
		<p>LAT/LONG: 30.0277 / -95.1201</p>	<p>FIGURE 2.1</p>

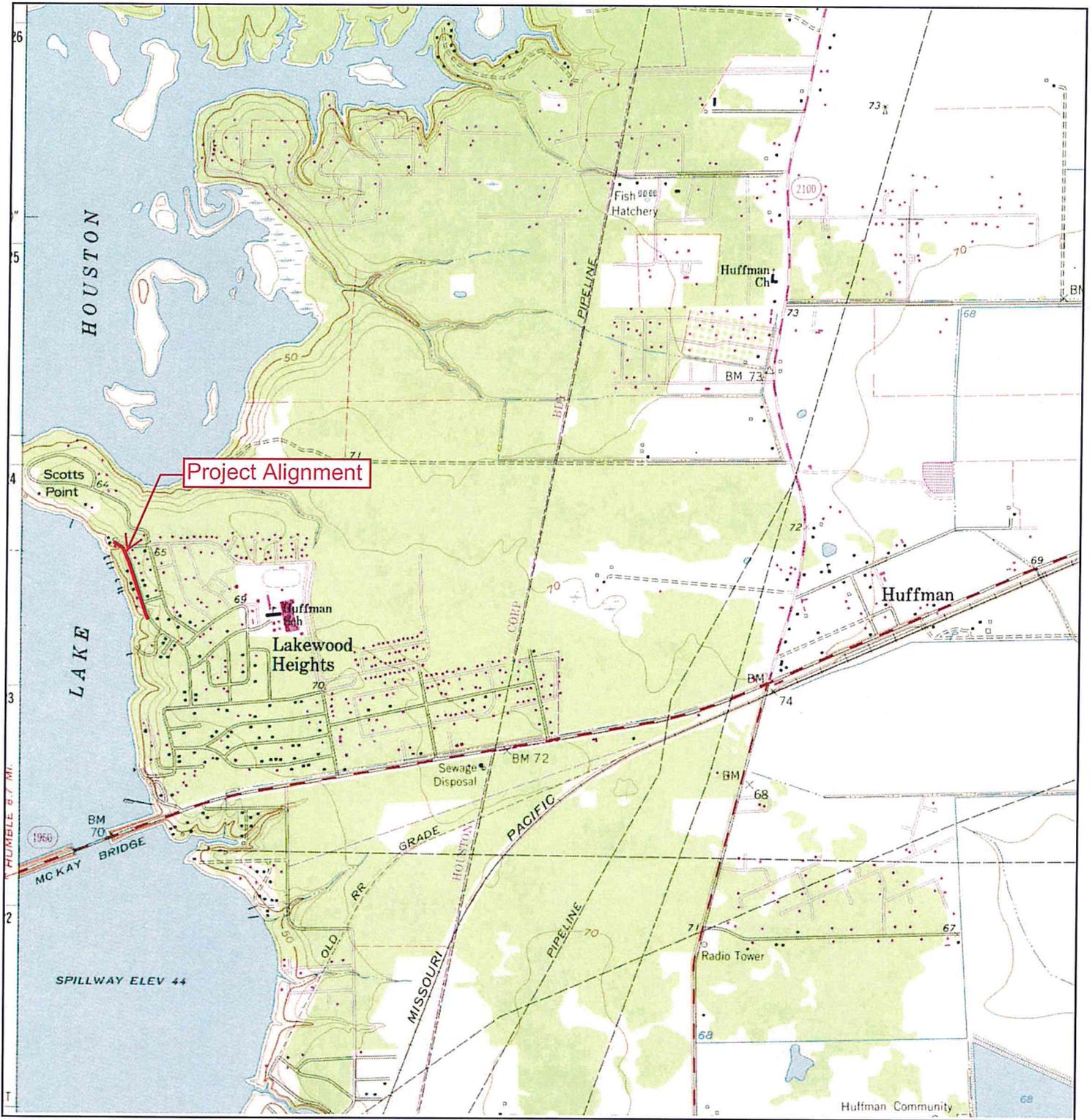
Historical Topographic Map



Job No. 1130020901

<p>N ↑</p>	<p>TARGET QUAD NAME: HUFFMAN MAP YEAR: 1960</p>	<p>SITE NAME: FY13 LS Renewal and Replacement Fir Ridge LS</p>	<p>CLIENT: Geotest Engineering Inc. CONTACT: Naresh Kolli INQUIRY#: 4084327.4 RESEARCH DATE: 09/25/2014</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>	<p>ADDRESS: Fir Ridge Drive and Sunny Glen Drive Huffman, TX 77336 LAT/LONG: 30.0277 / -95.1201</p>	<p>FIGURE 2.2</p>

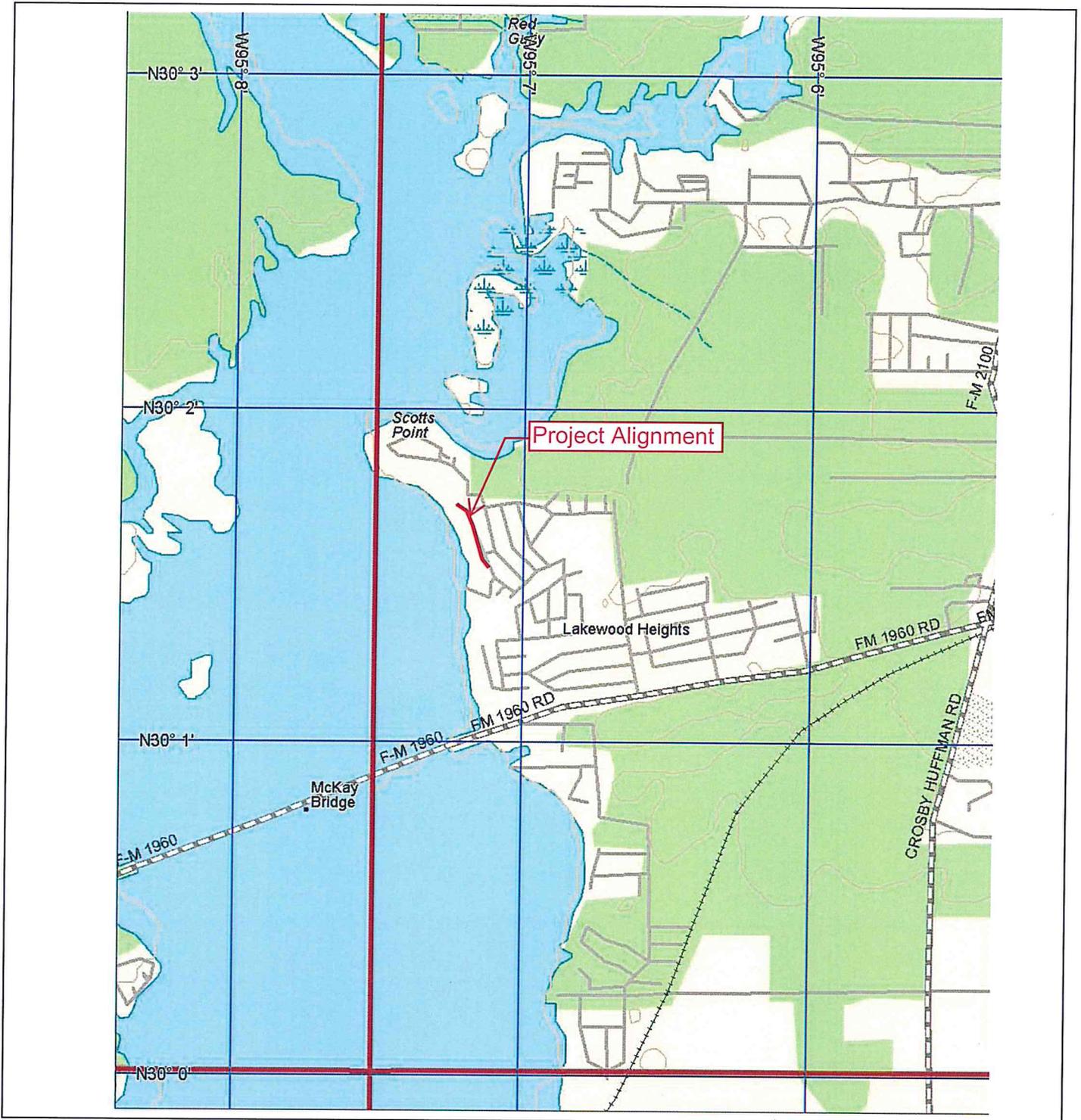
Historical Topographic Map



Job No. 1130020901

<p>N</p>	<p>TARGET QUAD NAME: HUFFMAN MAP YEAR: 1980 PHOTOREVISED FROM :1960 SERIES: 7.5 SCALE: 1:24000</p>	<p>SITE NAME: FY13 LS Renewal and Replacement Fir Ridge LS ADDRESS: Fir Ridge Drive and Sunny Glen Drive Huffman, TX 77336 LAT/LONG: 30.0277 / -95.1201</p>	<p>CLIENT: Geotest Engineering Inc. CONTACT: Naresh Kolli INQUIRY#: 4084327.4 RESEARCH DATE: 09/25/2014</p>
	<p>FIGURE 2.3</p>		

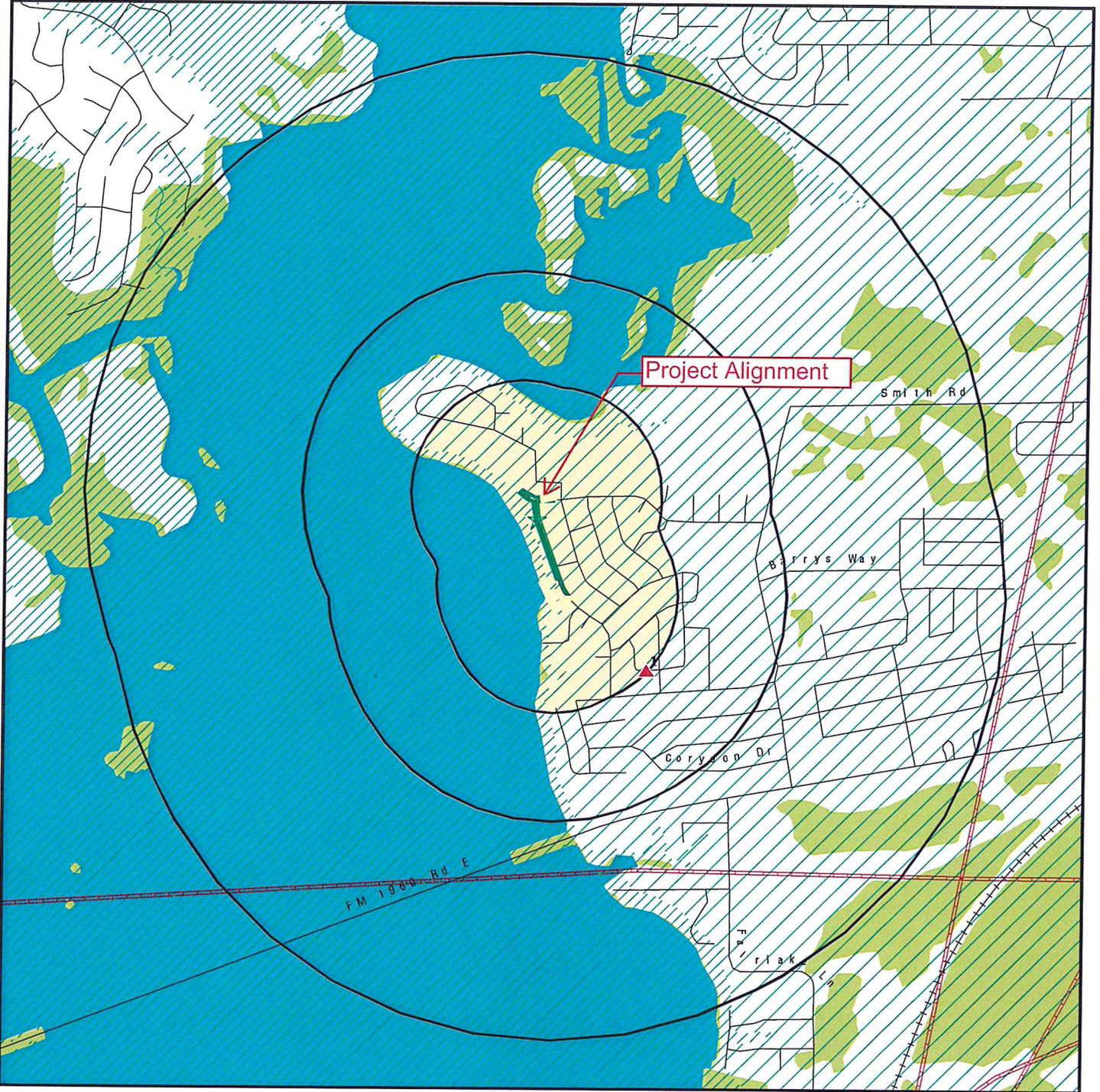
Historical Topographic Map



Job No. 1130020901

<p>N</p> <p>↑</p>	<p>TARGET QUAD NAME: HUFFMAN</p> <p>MAP YEAR: 1995</p>	<p>SITE NAME: FY13 LS Renewal and Replacement Fir Ridge LS</p>	<p>CLIENT: Geotest Engineering Inc.</p> <p>CONTACT: Naresh Kolli</p> <p>INQUIRY#: 4084327.4</p> <p>RESEARCH DATE: 09/25/2014</p>
	<p>SERIES: 7.5</p> <p>SCALE: 1:25000</p>	<p>ADDRESS: Fir Ridge Drive and Sunny Glen Drive Huffman, TX 77336</p> <p>LAT/LONG: 30.0277/-95.1201</p>	<p>FIGURE 2.4</p>

OVERVIEW MAP - 4084327.2S



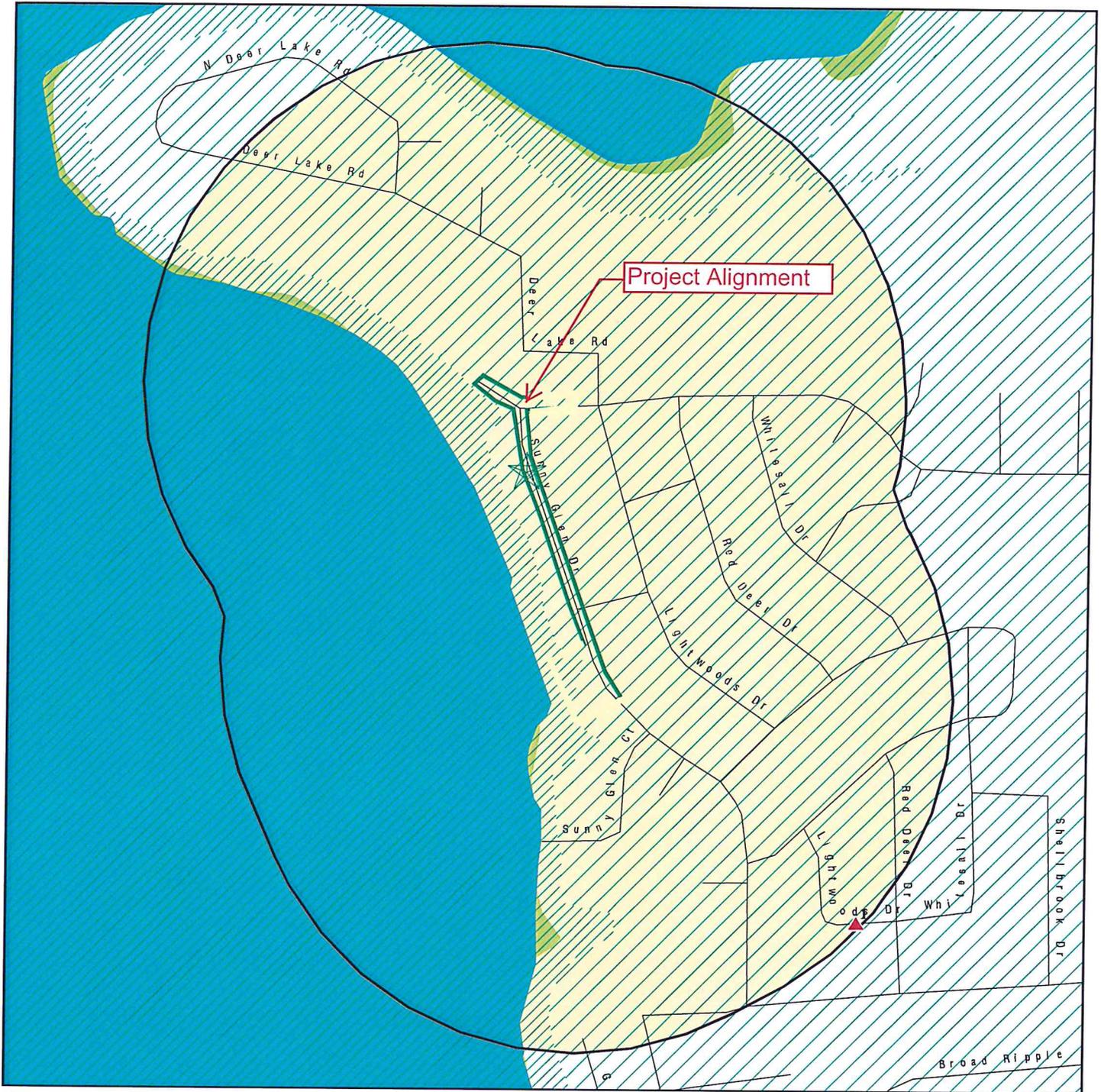
-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Oil & Gas pipelines from USGS
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory

Job No. 1130020901

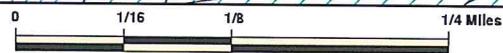
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

<p>SITE NAME: FY13 LS Renewal and Replacement Fir Ridge LS ADDRESS: Fir Ridge Drive and Sunny Glen Drive Huffman TX 77336 LAT/LONG: 30.0277 / 95.1201</p>	<p>CLIENT: Geotest Engineering Inc. CONTACT: Naresh Kolli INQUIRY #: 4084327.2s DATE: September 25, 2014 10:51 am</p>
FIGURE 3.1	

DETAIL MAP - 4084327.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Oil & Gas pipelines from USGS
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory



Job No. 1130020901

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: FY13 LS Renewal and Replacement Fir Ridge LS
 ADDRESS: Fir Ridge Drive and Sunny Glen Drive
 Huffman TX 77336
 LAT/LONG: 30.0277 / 95.1201

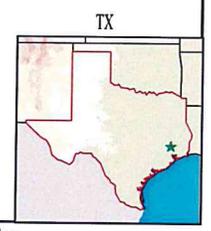
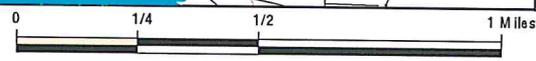
CLIENT: Geotest Engineering Inc.
 CONTACT: Naresh Kolli
 INQUIRY #: 4084327.2s
 DATE: September 25, 2014 10:53 am **FIGURE 3.2**

PHYSICAL SETTING SOURCE MAP - 4084327.2s



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

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil or gas wells



Job No. 1130020901

<p>SITE NAME: FY13 LS Renewal and Replacement Fir Ridge LS ADDRESS: Fir Ridge Drive and Sunny Glen Drive Huffman TX 77336 LAT/LONG: 30.0277 / 95.1201</p>	<p>CLIENT: Geotest Engineering Inc. CONTACT: Naresh Kolli INQUIRY #: 4084327.2s DATE: September 25, 2014 10:53 am</p>
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FIGURE 3.3

APPENDIX A

ENVIRONMENTAL DATA RESOURCES REPORT

FY13 LS Renewal and Replacement Fir Ridge LS

Fir Ridge Drive and Sunny Glen Drive
Huffman, TX 77336

Inquiry Number: 4084327.2s
September 25, 2014

The EDR Radius Map™ Report with GeoCheck®



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

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 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

FIR RIDGE DRIVE AND SUNNY GLEN DRIVE
HUFFMAN, TX 77336

COORDINATES

Latitude (North): 30.0277000 - 30° 1' 39.72"
Longitude (West): 95.1201000 - 95° 7' 12.36"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 295550.5
UTM Y (Meters): 3323568.0
Elevation: 61 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 30095-A1 HUFFMAN, TX
Most Recent Revision: 1980

West Map: 30095-A2 MOONSHINE HILL, TX
Most Recent Revision: 1995

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120601
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

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

EXECUTIVE SUMMARY

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

State and tribal institutional control / engineering control registries

AUL..... Sites with Controls

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Database

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site Assessments

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
DEL SHWS..... Deleted Superfund Registry Sites
PRIORITYCLEANERS..... Dry Cleaner Remediation Program Prioritization List
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LIENS..... Environmental Liens Listing
HIST LIENS..... Environmental Liens Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Spills Database
SPILLS 90..... SPILLS 90 data from FirstSearch
SPILLS 80..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
DOT OPS..... Incident and Accident Data

EXECUTIVE SUMMARY

RGA LF..... Recovered Government Archive Solid Waste Facilities List

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.

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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 is 1 EDR US Hist Auto Stat 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>
Not reported	24222 LIGHTWOODS DR	SE 1/8 - 1/4 (0.245 mi.)	1	8

OVERVIEW MAP - 4084327.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

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: FY13 LS Renewal and Replacement Fir Ridge LS
ADDRESS: Fir Ridge Drive and Sunny Glen Drive
 Huffman TX 77336
LAT/LONG: 30.0277 / 95.1201

CLIENT: Geotest Engineering Inc.
CONTACT: Naresh Kolli
INQUIRY #: 4084327.2s
DATE: September 25, 2014 10:51 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	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
SHWS	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
CLI	0.500		0	0	0	NR	NR	0
WasteMgt	TP		NR	NR	NR	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LPST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
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
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
IOP	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Ind. Haz Waste	0.250		0	0	NR	NR	NR	0
ED AQUIF	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
MSD	0.500		0	0	0	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
RWS	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
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
IHW CORR ACTION	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
GCC	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
---------	-------	--	---	---	---	---	----	---

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

1
SE
1/8-1/4
0.245 mi.
1296 ft.

24222 LIGHTWOODS DR
HUFFMAN, TX 77336

EDR US Hist Auto Stat 1015356741
N/A

Relative:
Higher

EDR Historical Auto Stations:

Name: ELI & SONS MOBIL AUTO REPAIR
Year: 2005

Actual:
66 ft.

Address: 24222 LIGHTWOODS DR

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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 09/19/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/20/2014
	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 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 09/19/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/20/2014
	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

Date of Government Version: 06/10/2014	Source: EPA
Date Data Arrived at EDR: 07/02/2014	Telephone: 800-424-9346
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 07/02/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/13/2014
	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: 06/10/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/02/2014	Telephone: 214-665-6444
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 07/02/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/13/2014
	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: 06/10/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/02/2014	Telephone: 214-665-6444
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 07/02/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/13/2014
	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: 06/10/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/02/2014	Telephone: 214-665-6444
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 07/02/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/13/2014
	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: 06/10/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/02/2014	Telephone: 214-665-6444
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 07/02/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

SWF/LF: Permitted Solid Waste Facilities

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: 08/11/2014	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 08/12/2014	Telephone: 512-239-6706
Date Made Active in Reports: 08/27/2014	Last EDR Contact: 07/28/2014
Number of Days to Update: 15	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Quarterly

H-GAC CLI: Houston-Galveston Closed Landfill Inventory

Closed Landfill Inventory for the Houston-Galveston Area Council Region. In 1993, the Texas Legislature passed House Bill (HB) 2537, which required Councils of Governments (COGs) to develop an inventory of closed municipal solid waste landfills for their regional solid waste management plans.

Date of Government Version: 02/12/2014	Source: Houston-Galveston Area Council
Date Data Arrived at EDR: 04/24/2014	Telephone: 832-681-2518
Date Made Active in Reports: 05/08/2014	Last EDR Contact: 07/07/2014
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Varies

CLI: Closed Landfill Inventory

Closed and abandoned landfills (permitted as well as unauthorized) across the state of Texas. For current information regarding any of the sites included in this database, contact the appropriate Council of Governments agency.

Date of Government Version: 08/30/1999	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 09/28/2000	Telephone: N/A
Date Made Active in Reports: 10/30/2000	Last EDR Contact: 07/01/2014
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Varies

WASTEMGT: Commercial Hazardous & Solid Waste Management Facilities

This list contains commercial recycling facilities and facilities permitted or authorized (interim status) by the Texas Natural Resource Conservation Commission.

Date of Government Version: 03/01/2014	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 04/11/2014	Telephone: 512-239-2920
Date Made Active in Reports: 05/08/2014	Last EDR Contact: 07/11/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Varies

State and tribal leaking storage tank lists

LPST: Leaking Petroleum Storage Tank Database

An inventory of reported leaking petroleum storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/28/2014	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 07/30/2014	Telephone: 512-239-2200
Date Made Active in Reports: 08/01/2014	Last EDR Contact: 07/30/2014
Number of Days to Update: 2	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 08/04/2014	Source: EPA, Region 5
Date Data Arrived at EDR: 08/05/2014	Telephone: 312-886-7439
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 17	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Petroleum Storage Tank Database

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: 06/02/2014	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 07/02/2014	Telephone: 512-239-2160
Date Made Active in Reports: 07/30/2014	Last EDR Contact: 07/02/2014
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Quarterly

AST: Petroleum Storage Tank Database

Registered Aboveground Storage Tanks.

Date of Government Version: 06/02/2014	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 07/02/2014	Telephone: 512-239-2160
Date Made Active in Reports: 07/30/2014	Last EDR Contact: 07/02/2014
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Quarterly

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: 07/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 08/12/2014	Telephone: 404-562-9424
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 04/22/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/11/2014
	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: 08/04/2014	Source: EPA Region 5
Date Data Arrived at EDR: 08/05/2014	Telephone: 312-886-6136
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 17	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Varies

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: 08/14/2014	Source: EPA Region 9
Date Data Arrived at EDR: 08/15/2014	Telephone: 415-972-3368
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 7	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AUL: Sites with Controls

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 07/22/2014	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 07/25/2014	Telephone: 512-239-5891
Date Made Active in Reports: 08/20/2014	Last EDR Contact: 07/21/2014
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP TCEQ: Voluntary Cleanup Program Database

The Texas Voluntary Cleanup Program was established to provide administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas.

Date of Government Version: 07/22/2014	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 07/25/2014	Telephone: 512-239-5891
Date Made Active in Reports: 08/20/2014	Last EDR Contact: 07/08/2014
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/20/2014
	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: 05/30/2014	Source: EPA, Region 1
Date Data Arrived at EDR: 07/01/2014	Telephone: 617-918-1102
Date Made Active in Reports: 08/15/2014	Last EDR Contact: 07/01/2014
Number of Days to Update: 45	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Varies

VCP RRC: Voluntary Cleanup Program Sites

The Voluntary Cleanup Program (RRC-VCP) provides an incentive to remediate Oil & Gas related pollution by participants as long as they did not cause or contribute to the contamination. Applicants to the program receive a release of liability to the state in exchange for a successful cleanup.

Date of Government Version: 04/01/2014	Source: Railroad Commission of Texas
Date Data Arrived at EDR: 07/10/2014	Telephone: 512-463-6969
Date Made Active in Reports: 08/07/2014	Last EDR Contact: 07/10/2014
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site Assessments

Brownfield site assessments that are being cleaned under EPA grant monies.

Date of Government Version: 07/22/2014	Source: TCEQ
Date Data Arrived at EDR: 07/25/2014	Telephone: 512-239-5872
Date Made Active in Reports: 08/20/2014	Last EDR Contact: 07/08/2014
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SWRCY: Recycling Facility Listing

A listing of recycling facilities in the state.

Date of Government Version: 06/02/2014
Date Data Arrived at EDR: 06/04/2014
Date Made Active in Reports: 06/13/2014
Number of Days to Update: 9

Source: TCEQ
Telephone: 512-239-6700
Last EDR Contact: 08/15/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Varies

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: 08/01/2014
Next Scheduled EDR Contact: 11/17/2014
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: 05/28/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/03/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: Quarterly

DEL SHWS: Deleted Superfund Registry Sites

Sites have been deleted from the state Superfund registry in accordance with the Act, §361.189

Date of Government Version: 07/03/2014
Date Data Arrived at EDR: 07/03/2014
Date Made Active in Reports: 07/31/2014
Number of Days to Update: 28

Source: Texas Commission on Environmental Quality
Telephone: 512-239-0666
Last EDR Contact: 09/15/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Quarterly

PRIORITY CLEANERS: Dry Cleaner Remediation Program Prioritization List

A listing of dry cleaner related contaminated sites.

Date of Government Version: 03/01/2014
Date Data Arrived at EDR: 03/12/2014
Date Made Active in Reports: 04/18/2014
Number of Days to Update: 37

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5658
Last EDR Contact: 09/12/2014
Next Scheduled EDR Contact: 12/22/2014
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/23/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/07/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 05/15/2005	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/07/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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: 06/10/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/02/2014	Telephone: 214-665-6444
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 07/02/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/13/2014
	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: 08/06/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/17/2014
	Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/18/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/27/2014
	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: 06/06/2014	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/10/2014	Telephone: 202-528-4285
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 09/10/2014
Number of Days to Update: 8	Next Scheduled EDR Contact: 12/22/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/19/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/08/2014
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/19/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/08/2014
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 07/22/2014
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
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: 04/01/2014
Date Data Arrived at EDR: 05/23/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
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
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/29/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Biennially

IOP: Innocent Owner/Operator Program

Contains information on all sites that are in the IOP. An IOP is an innocent owner or operator whose property is contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination.

Date of Government Version: 07/22/2014
Date Data Arrived at EDR: 07/25/2014
Date Made Active in Reports: 08/20/2014
Number of Days to Update: 26

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5894
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

NPDES: NPDES Facility List

Permitted wastewater outfalls.

Date of Government Version: 06/04/2014
Date Data Arrived at EDR: 06/05/2014
Date Made Active in Reports: 07/17/2014
Number of Days to Update: 42

Source: Texas Commission on Environmental Quality
Telephone: 512-239-4591
Last EDR Contact: 08/20/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Varies

UIC: Underground Injection Wells Database Listing

Class V injection wells regulated by the TCEQ. Class V wells are used to inject non-hazardous fluids underground. Most Class V wells are used to dispose of wastes into or above underground sources of drinking water and can pose a threat to ground water quality, if not managed properly.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/24/2014
Date Data Arrived at EDR: 07/03/2014
Date Made Active in Reports: 07/31/2014
Number of Days to Update: 28

Source: Texas Commission on Environmental Quality
Telephone: 512-239-4982
Last EDR Contact: 09/22/2014
Next Scheduled EDR Contact: 01/05/2015
Data Release Frequency: Varies

TIER 2: Tier 2 Chemical Inventory Reports

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/07/2013
Date Made Active in Reports: 07/22/2013
Number of Days to Update: 45

Source: Department of State Health Services
Telephone: 512-834-6603
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Annually

RWS: Radioactive Waste Sites

Sites in the State of Texas that have been designated as Radioactive Waste sites.

Date of Government Version: 07/24/2006
Date Data Arrived at EDR: 12/14/2006
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 40

Source: Texas Commission on Environmental Quality
Telephone: 512-239-0859
Last EDR Contact: 08/22/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Semi-Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
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: 07/25/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

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: 06/02/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 07/31/2014
Number of Days to Update: 29

Source: Texas Commission on Environmental Quality
Telephone: 512-239-0986
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/2014
Date Data Arrived at EDR: 07/01/2014
Date Made Active in Reports: 07/31/2014
Number of Days to Update: 30

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6239
Last EDR Contact: 06/30/2014
Next Scheduled EDR Contact: 10/13/2014
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: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
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: 08/01/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 03/14/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 47

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/10/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites
A listing of facilities that use surface impoundments or landfills to dispose of coal ash.

Date of Government Version: 05/07/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/18/2013
Number of Days to Update: 70

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6624
Last EDR Contact: 08/05/2014
Next Scheduled EDR Contact: 11/17/2014
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: 06/19/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 38

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 08/14/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Quarterly

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: EDR, Inc.
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 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	Source: EDR, Inc.
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 RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Texas Commission of Environmental Quality in Texas formerly known as Texas Natural Resources Conservation Commission which changed in 2002.

Date of Government Version: N/A	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/26/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 178	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Texas Commission of Environmental Quality in Texas formerly known as Texas Natural Resources Conservation Commission which changed in 2002.

Date of Government Version: N/A	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 08/13/2014
Number of Days to Update: 29

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/26/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 03/27/2014
Date Data Arrived at EDR: 06/12/2014
Date Made Active in Reports: 07/17/2014
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/21/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 08/07/2014
Number of Days to Update: 48

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/15/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Protective & Regulatory Services
Telephone: 512-438-3269

GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FY13 LS RENEWAL AND REPLACEMENT FIR RIDGE LS
FIR RIDGE DRIVE AND SUNNY GLEN DRIVE
HUFFMAN, TX 77336

TARGET PROPERTY COORDINATES

Latitude (North): 30.0277 - 30° 1' 39.72"
Longitude (West): 95.1201 - 95° 7' 12.36"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 295550.5
UTM Y (Meters): 3323568.0
Elevation: 61 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 30095-A1 HUFFMAN, TX
Most Recent Revision: 1980

West Map: 30095-A2 MOONSHINE HILL, TX
Most Recent Revision: 1995

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

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Target Property County
HARRIS, TX

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

Flood Plain Panel at Target Property: 48201C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
HUFFMAN

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

HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data:*

Search Radius: 1.25 miles
Status: Not found

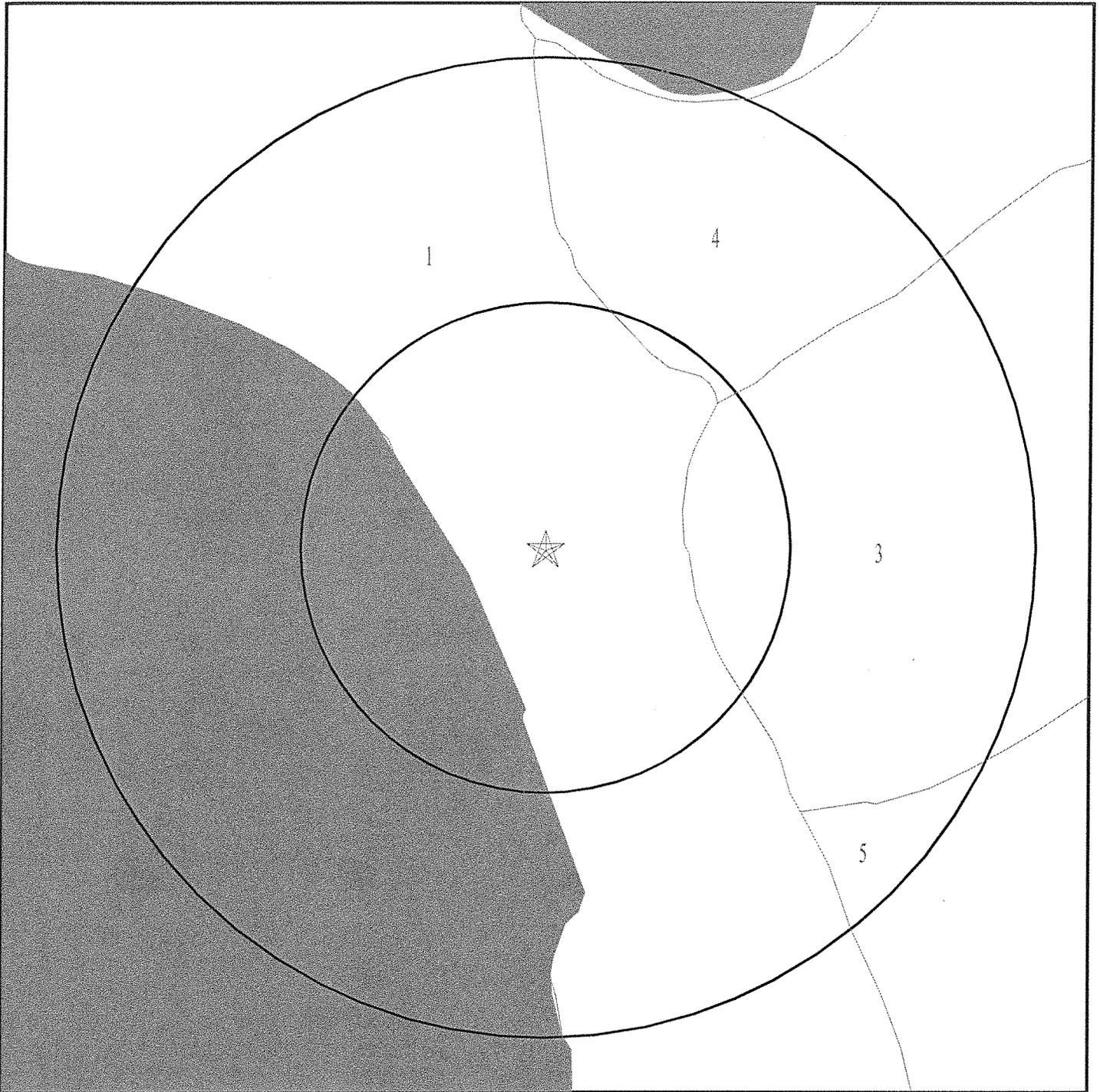
AQUIFLOW®

Search Radius: 1.000 Mile.

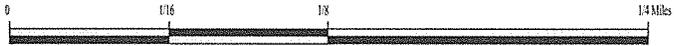
EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction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

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

SSURGO SOIL MAP - 4084327.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: FY13 LS Renewal and Replacement Fir Ridge LS	CLIENT: Geotest Engineering Inc.
ADDRESS: Fir Ridge Drive and Sunny Glen Drive	CONTACT: Naresh Kolli
Huffman TX 77336	INQUIRY #: 4084327.2s
LAT/LONG: 30.0277 / 95.1201	DATE: September 25, 2014 10:53 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Water

Soil Surface Texture: very fine sandy 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:
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: 3

Soil Component Name: Ozan

Soil Surface Texture: 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: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 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	18 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 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%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 5.1
2	16 inches	18 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: 4 Min: 1.4	Max: 6 Min: 4.5
3	18 inches	59 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: 0.42 Min: 0.01	Max: 6 Min: 4.5

Soil Map ID: 5

Soil Component Name: Ozan

Soil Surface Texture: 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: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	very 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%), silt.	Max: 14 Min: 4	Max: 6 Min: 4.5
2	9 inches	18 inches	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: 4 Min: 1.4	Max: 6 Min: 4.5
3	18 inches	59 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: 0.42 Min: 0.01	Max: 6.5 Min: 4.5

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>
A1	USGS40001168672	1/8 - 1/4 Mile NW
B5	USGS40001168631	1/4 - 1/2 Mile East
C15	USGS40001168603	1/2 - 1 Mile ESE
C16	USGS40001168604	1/2 - 1 Mile ESE
C18	USGS40001168608	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 4084327.2s



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

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil or gas wells

<p>SITE NAME: FY13 LS Renewal and Replacement Fir Ridge LS ADDRESS: Fir Ridge Drive and Sunny Glen Drive Huffman TX 77336 LAT/LONG: 30.0277 / 95.1201</p>	<p>CLIENT: Geotest Engineering Inc. CONTACT: Naresh Kolli INQUIRY #: 4084327.2s DATE: September 25, 2014 10:53 am</p>
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APPENDIX B

OTHER RELATED INFORMATION

Certified Sanborn Map Report
The EDR-City Directory Abstract
Flood Insurance Rate Map (FEMA) w/legend
Wetlands Map
Phase I ESA Records of Communication

FY13 LS Renewal and Replacement Fir Ridge LS

Fir Ridge Drive and Sunny Glen Drive

Huffman, TX 77336

Inquiry Number: 4084327.3

September 25, 2014

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

9/25/14

Site Name:

FY13 LS Renewal and
Fir Ridge Drive and Sunny Glen
Huffman, TX 77336

Client Name:

Geotest Engineering Inc.
5600 Bintiff Drive
Houston, TX 77036



EDR Inquiry # 4084327.3

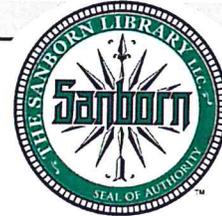
Contact: Naresh Kolli

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

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

Certified Sanborn Results:

Site Name: FY13 LS Renewal and Replacement Fir Ridge
Address: Fir Ridge Drive and Sunny Glen Drive
City, State, Zip: Huffman, TX 77336
Cross Street:
P.O. # NA
Project: FY13 LS Renewal & Replacement
Certification # 56A6-4398-AF94



Sanborn® Library search results
Certification # 56A6-4398-AF94

UNMAPPED PROPERTY

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

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

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

The Sanborn Library LLC Since 1866™

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FY13 LS Renewal and Replacement Fir Ridge LS

Fir Ridge Drive and Sunny Glen Drive
Huffman, TX 77336

Inquiry Number: 4084327.5

September 29, 2014

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

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EXECUTIVE SUMMARY

DESCRIPTION

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

RESEARCH SUMMARY

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

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2013	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1986	<input type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory
1981	<input type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory
1975	<input type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory
1971	<input type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory
1965	<input type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory

RECORD SOURCES

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FINDINGS

TARGET PROPERTY STREET

Fir Ridge Drive and Sunny Glen Drive
Huffman, TX 77336

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>FIR RIDGE DR</u>			
2013	pg A1	Cole Information Services	
2008	pg A3	Cole Information Services	
2003	pg A5	Cole Information Services	
1999	pg A7	Cole Information Services	
1992	pg A11	Cole Information Services	
1986	-	Cole Criss-Cross Directory	Street not listed in Source
1981	-	Cole Criss-Cross Directory	Street not listed in Source
1975	-	Cole Criss-Cross Directory	Street not listed in Source
1971	-	Cole Criss-Cross Directory	Street not listed in Source
1965	-	Cole Criss-Cross Directory	Street not listed in Source

SUNNY GLEN DR

2013	pg A2	Cole Information Services
2008	pg A4	Cole Information Services
2003	pg A6	Cole Information Services
1999	pg A8	Cole Information Services
1995	pg A9	Cole Information Services
1992	pg A12	Cole Information Services

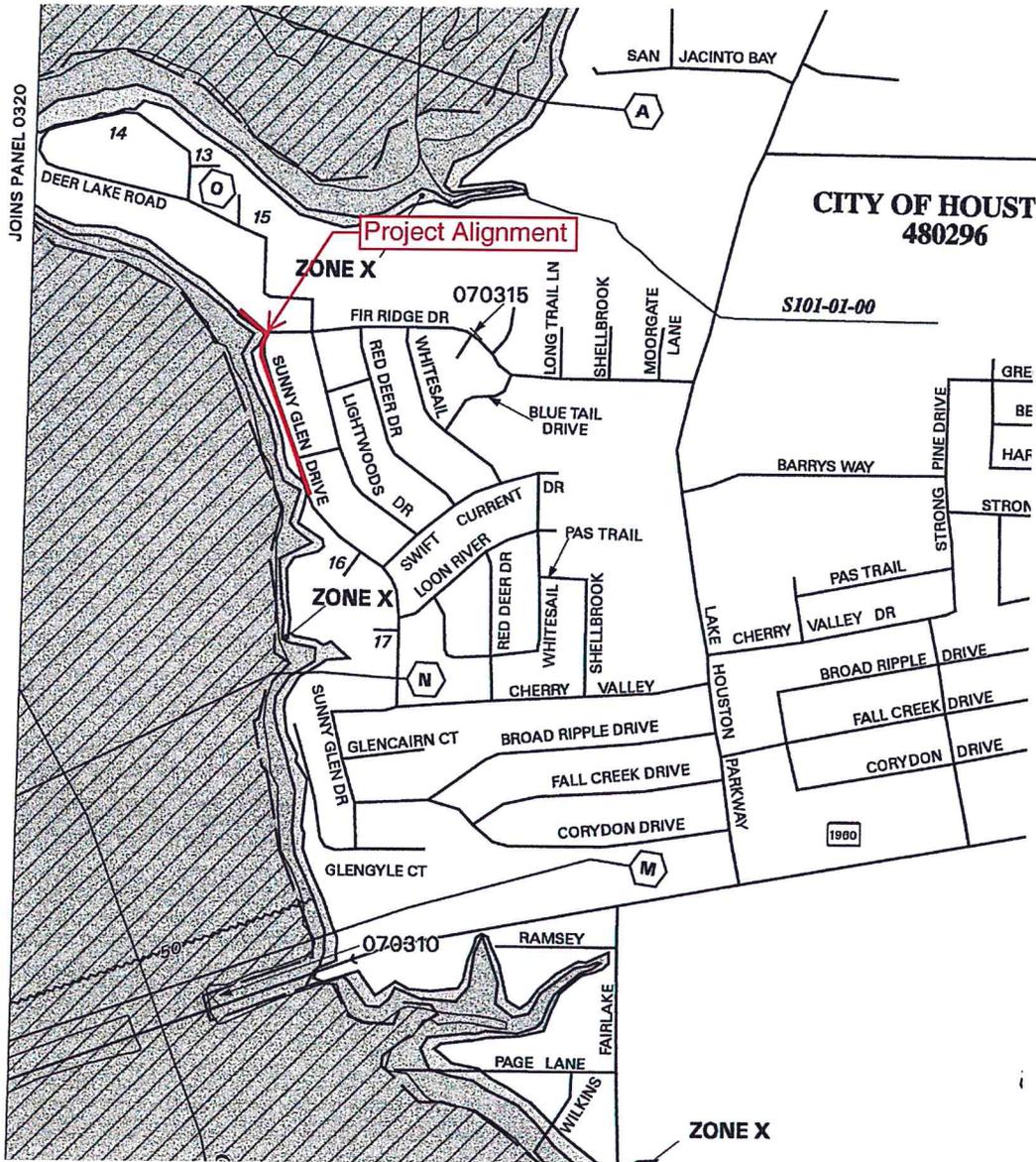
FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>SUNNY GLEN DR</u>			
1986	-	Cole Criss-Cross Directory	Street not listed in Source
1981	-	Cole Criss-Cross Directory	Street not listed in Source
1975	-	Cole Criss-Cross Directory	Street not listed in Source
1971	-	Cole Criss-Cross Directory	Street not listed in Source
1965	-	Cole Criss-Cross Directory	Street not listed in Source

FIR RDG DR

1995	pg. A10	Cole Information Services	
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FLOOD INSURANCE RATE MAP
 NATIONAL FLOOD INSURANCE PROGRAM
 FEDERAL EMERGENCY MANAGEMENT AGENCY
 Harris County, Texas and Incorporated Areas
 Map No. 48201C0340L
 Revised: June 18, 2007
 Scale: 1 inch = 1000 ft

LEGEND



SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

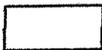


FLOODWAY AREAS IN ZONE AE



OTHER FLOOD AREAS

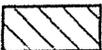
- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.



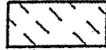
OTHER AREAS

- ZONE X** Areas determined to be outside 500-year floodplain.
- ZONE D** Areas in which flood hazards are undetermined.

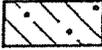
UNDEVELOPED COASTAL BARRIERS



Identified
1983

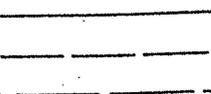


Identified
1990

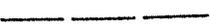


Otherwise
Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.



Flood Boundary



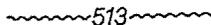
Floodway Boundary



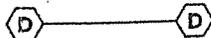
Zone D Boundary



Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.



Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.



Cross Section Line

(EL 987)

RM7 X

• M2

Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

Elevation Reference Mark

River Mile

97°07'30", 32°22'30"

Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Coastal base flood elevations apply only landward of 0.0 NGVD, and include the effects of wave action; these elevations may also differ significantly from those developed by the National Weather Service for hurricane evacuation planning.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, AH, AO, A99, V, and VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and/or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-551).

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.



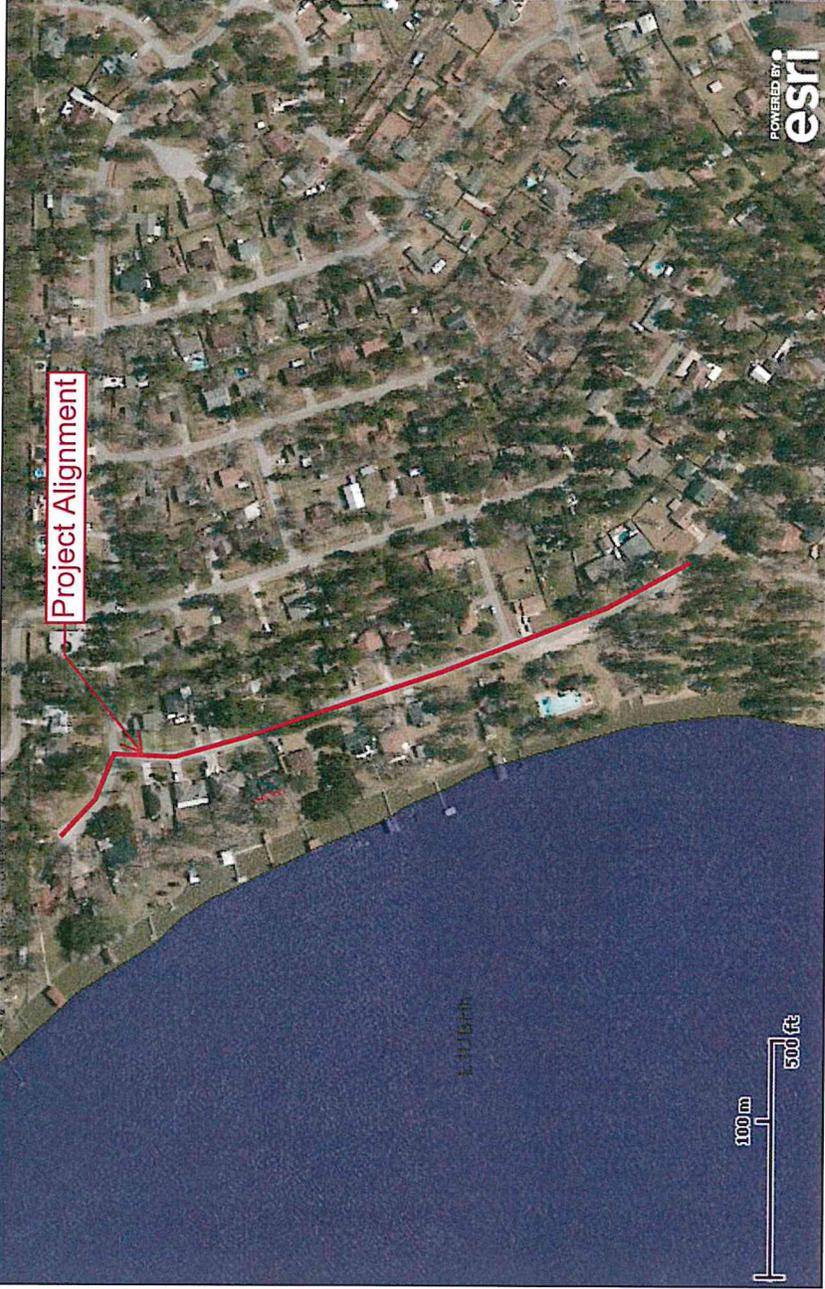
U.S. Fish and Wildlife Service National Wetlands Inventory

Fir Ridge & Sunny
Glen Dr.

Oct 9, 2014

Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other



This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or completeness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:



GEOTEST ENGINEERING, INC.

Geotechnical Engineers & Materials Testing

5600 Bintliff Drive

Houston, Texas 77036

Telephone: (713) 266-0588

Fax: (713) 266-2977

Records of Communication

Project No.: 1130020901
Date: 10/20/2014
Time: 4:50 pm

Facility Name: Sunny Glen LS FN192
Address: 24435 Sunny Glen Drive
Type of Site: Left Station

Method of Communication: Telephone By: Constantin S. Zacharia
Contact Person: John Dawson
Title: Project Manager (Severson Trent)
Telephone: 281-358-2828

1. When was this facility founded?
No idea
2. What kind of facility is this?
Left Station
3. What was the past use of this property?
No idea
4. Are you aware of any incident that may cause environmental problems?
Not that I know of
5. Have you noticed any contamination in the groundwater/soil?
None
6. Is this facility in compliance with TCEQ guideline?
N/A
7. What is the latest status of EPA report?
N/A
8. Do you have any environmental concerns in this area?
None
9. Additional comments.
None

APPENDIX C

AERIAL PHOTOGRAPHS

Job No. 1130020901

Approx. Project Alignment

San Jacinto River



INQUIRY #: 4084327.9

YEAR: 1939

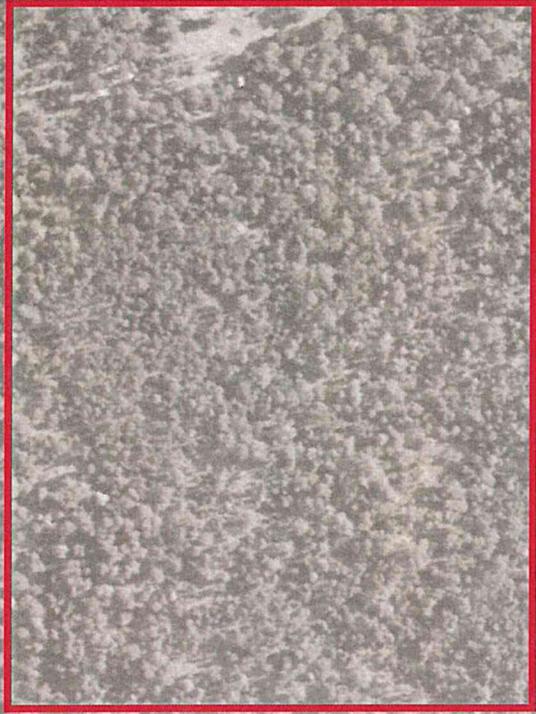
| = 500'



Job No. 1130020901

Approx. Project Alignment

San Jacinto River



INQUIRY #: 4084327.9

YEAR: 1944

— = 500'



Job No. 1130020901

Lake Houston

Project Alignment

Fir Ridge Dr.

Moose Jaw Ln.

Sunny Glen Dr.

INQUIRY #: 4084327.9

YEAR: 1957

— = 500'



Job No. 1130020901

Lake Houston

Project Alignment

Elementary School

Fir Ridge Dr.

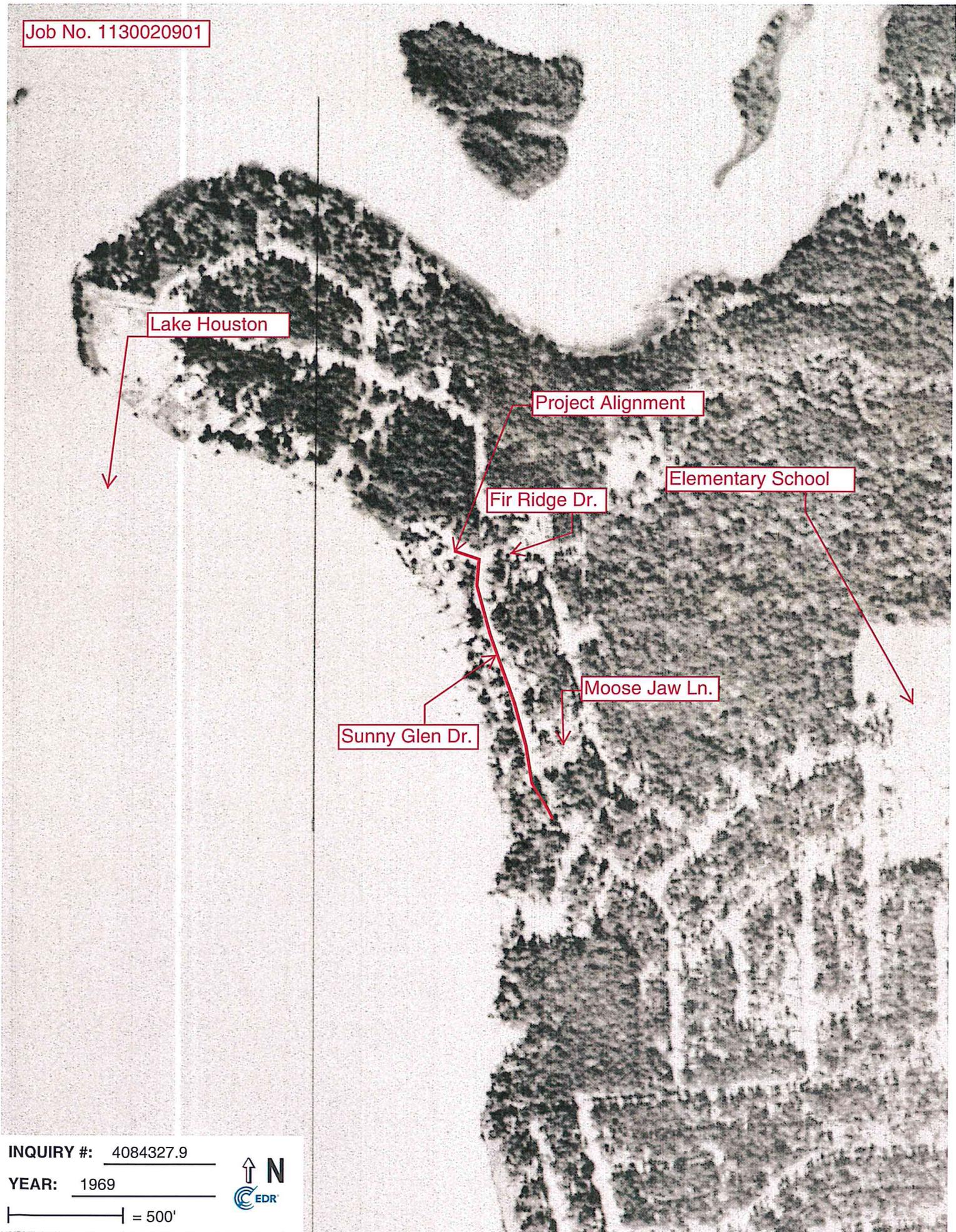
Moose Jaw Ln.

Sunny Glen Dr.

INQUIRY #: 4084327.9

YEAR: 1969

— = 500'



Job No. 1130020901



Lake Houston

Project Alignment

Elementary School

Fir Ridge Dr.

Moose Jaw Ln.

Sunny Glen Dr.

INQUIRY #: 4084327.9

YEAR: 1973

— = 500'



Job No. 1130020901



Lake Houston

Project Alignment

Elementary School

Fir Ridge Dr.

Sunny Glen Dr.

Moose Jaw Ln.

INQUIRY #: 4084327.9

YEAR: 1979

— = 500'



Job No. 1130020901

Lake Houston

Project Alignment

Elementary School

Fir Ridge Dr.

Sunny Glen Dr.

Moose Jaw Ln.

INQUIRY #: 4084327.9

YEAR: 1983

1" = 500'



Job No. 1130020901

Lake Houston

Project Alignment

Elementary School

Fir Ridge Dr.

Sunny Glen Dr.

Moose Jaw Ln.

INQUIRY #: 4084327.9

YEAR: 1989

— = 500'



Job No. 1130020901

Lake Houston

Project Alignment

Elementary School

Fir Ridge Dr.

Sunny Glen Dr.

Moose Jaw Ln.

INQUIRY #: 4084327.9

YEAR: 1995

— = 500'



Job No. 1130020901

Lake Houston

Project Alignment

Elementary School

Fir Ridge Dr.

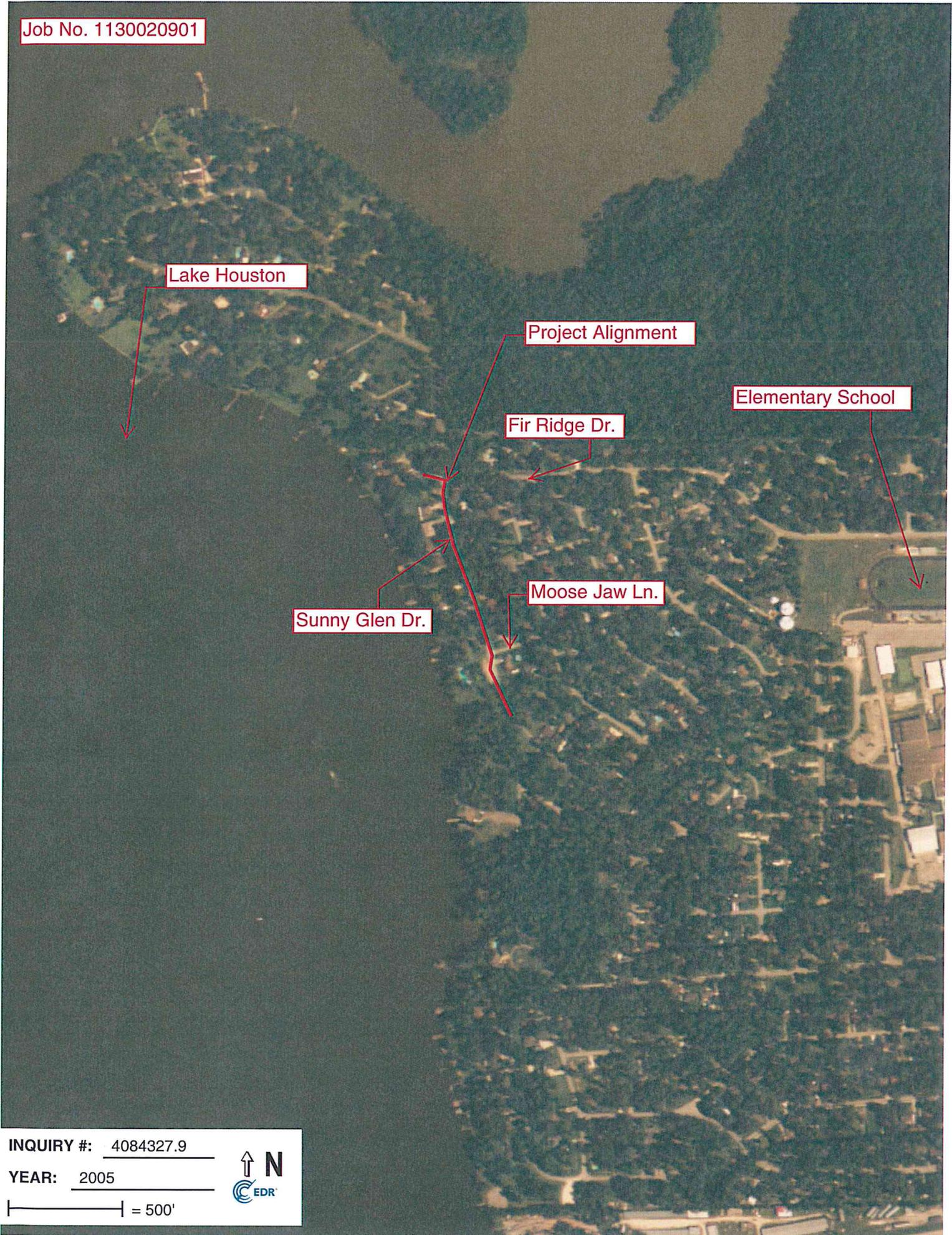
Sunny Glen Dr.

Moose Jaw Ln.

INQUIRY #: 4084327.9

YEAR: 2005

— = 500'



Job No. 1130020901

Lake Houston

Project Alignment

Elementary School

Fir Ridge Dr.

Sunny Glen Dr.

Moose Jaw Ln.

INQUIRY #: 4084327.9

YEAR: 2006

— = 500'



Job No. 1130020901

Lake Houston

Project Alignment

Elementary School

Fir Ridge Dr.

Sunny Glen Dr.

Moose Jaw Ln.

INQUIRY #: 4084327.9

YEAR: 2010

— = 500'



Job No. 1130020901

Lake Houston

Project Alignment

Elementary School

Fir Ridge Dr.

Sunny Glen Dr.

Moose Jaw Ln.

INQUIRY #: 4084327.9

YEAR: 2012

— = 500'



APPENDIX D

SITE PHOTOGRAPHS



Picture 1: Project Alignment near Manhole at Fir Ridge Drive.



Picture 2: Project Alignment along Sunny Glenn Drive.

Job No.: 1130020901

FIGURE D-1



Picture 3: Project Alignment near Moose Jaw Lane.



Picture 4: Project Alignment near the Lift Station.



Picture 5: Lake Houston is 100 feet west of the Project Alignment.



Picture 6: Copeland Elementary school is half a mile east of the Project Alignment.

APPENDIX E

**QUALIFICATIONS OF ENVIRONMENTAL
PROFESSIONALS PARTICIPATING
IN PHASE I ESA**

Mohan Ballagere, P.E.
Vice President

EDUCATION

M.S. in Civil Engineering (Geotechnical), 1992, South Dakota School of Mines & Technology, Rapid City, South Dakota
B.S. in Civil Engineering, 1984, University of Mysore, India

PROFESSIONAL REGISTRATION

Texas 2001 Civil Engineering

RELEVANT PROJECT EXPERIENCE

Mr. Ballagere is a Vice President at Geotest Engineering, Inc. He has over 20 years of experience in the civil, geotechnical field and environmental assessment and has worked on various projects involving bridges, water, wastewater, new and overlay pavements, port facilities, private and commercial buildings, Phase I & II Environmental Site Assessments, site reconnaissance, fault studies and ground stabilization. His responsibilities include overseeing field exploration for environmental assessment, reviewing analytical testing, preparation of environmental proposals, performing environmental assessment and reviewing environmental reports pertaining to Phase I & II Environmental Site Assessments and findings and conclusions for environmental impact study projects related to bridges, roads, water, wastewater and storm water. Some of the relevant environmental assessment projects are:

- Phase I ESA Chimney Rock Lift Station Rehabilitation – Houston, Texas
- Phase I and II ESA Tasfield Force Main – Houston, Texas
- Phase I and II ESA Water Line Replacement in the Parkhurst Area – Houston, Texas
- Phase I ESA Buckingham Lift Station – Houston, Texas
- Phase I ESA A. Kuykendall League 29.46 acres – Houston, Texas
- New Ground Water Storage Tanks at District 175 & 184 – Houston, Texas
- Phase II ESA Long Point Rd. at Wirt Rd. Intersection – Houston, Texas
- Phase I ESA San Felipe Rd. Improvements – Houston, Texas
- Phase I and II ESA Sharpstown Area Drainage Improvements – Houston, Texas
- Phase I and II ESA Bellaire/Fondren Intersection Improvements – Houston, Texas
- Phase I ESA Pasadena Lift Station Improvements Pansy, Crenshaw and El Cary – Pasadena, Texas
- Phase I and II Reconstruction of Lyons Avenue from US 59 to Waco – Houston, Texas
- Phase I ESA 12" Water Line along Kingsland Blvd. from Baker Rd. to Harris Co. 346 Water Plant – Houston, Texas
- Phase I ESA Tasfield Community Project – Harris County, Texas
- Phase I ESA S. Gessner - Cravens Project – Houston, Texas
- Ph. I ESA - 16827 Old Richmond Road – Houston, Texas
- Ph. I ESA Historic Holman Street Reconstruction Project – Houston, Texas
- Ph. II ESA Long Point Rd. from 400' East of Hollister to 150 ft. west of Pech Rd. – Houston, Texas



Naresh Kolli, P.E.
Assistant Project Manager

EDUCATION

- **Master of Engineering** in Civil Engineering (Geotechnical Engineering)
McNeese State University, Lake Charles, LA, July 2005.
- **Bachelor of Engineering** in Civil Engineering
Kakatiya University, India, June 2002.

PROFESSIONAL REGISTRATION

Texas 2012 Civil Engineering

RELEVANT PROJECT EXPERIENCE:

Mr. Naresh Kolli, is an Assistant Project Manager at Geotest Engineering, Inc. He has over 8 years of experience in the civil, geotechnical and environmental field and has worked on various projects involving high rise office buildings to single story commercial buildings, warehouses, schools and government projects, Phase I & II Environmental Site Assessments, site reconnaissance and geological and rock profile studies. His responsibilities include coordination of drilling and sampling of soil borings and supervision of laboratory testing, performing engineering analyses and preparation of geotechnical as well as Phase I and II Environmental Site Assessment reports.

- Phase II ESA – Reconstruction of Long Point Road – Houston, Texas
- Phase I ESA – South Point Park and Ride – Houston, Texas
- Phase I ESA – 11730 Sam Houston Parkway, Houston, Texas
- Phase I ESA – Historic Holman Street Reconstruction Project – Houston, Texas.
- Phase I ESA – 18” Waterline Loop Alignment – Pasadena, Texas
- Phase I ESA – 5107 Griggs Road – Houston, Texas
- Phase I ESA – Yale Street Detention Basin – Houston, Texas
- Phase I ESA – Astoria Boulevard – Houston, Texas
- Phase I ESA – Fourth ward Street reconstruction – Houston, Texas
- Phase I and II – 5216 Almeda Road – Houston, Texas
- Phase I ESA – Waterline Replacements Timbergrove Area – Houston, Texas
- Phase I ESA – Waterline Replacements Glenwood Forest Area – Houston, Texas
- Phase I and Phase II ESA – Waterline Replacements Fulton North Area – Houston, Texas
- Phase I ESA – Pavement & Drainage Improvements along Witter Street – Pasadena, Texas
- Phase I ESA – Craigmont Estates Detention Pond – City of Baytown, Texas
- Phase I ESA – Beltway 8 & Feeder Road Drainage Improvements – Pasadena, Texas
- Phase I ESA – Pump & Lift Station Renewal & Replacements; Fairway Lift Station – Houston, Texas
- Phase I ESA – Pump & Lift Station Renewal & Replacements; Grenshaw Lift Station – Houston, Texas
- Phase I ESA – 18" Sanitary Sewer at George Bush IAH
- Phase I ESA – Pump & Lift Station Renewal & Replacement – Post Oak #1 Lift Station – Houston, Texas

