

November 13, 2020  
Job No. 439-014-20

JJR DV, LLC  
2265 East Holladay Road  
Holladay, Utah 84117

**Attention: Mr. Anthon Stauffer**

Ladies and Gentlemen:

Re: Report  
Phase I Environmental Site Assessment  
Grantsville Residential Development  
Approximately 1055 East SR 112  
Grantsville, Utah

Gordon Geotechnical Engineering, Inc. (G<sup>2</sup>) is pleased to submit the results of the Phase I Environmental Site Assessment for the proposed Grantsville residential development site located at approximately 1055 East SR 112 in Grantsville, Utah. This report includes discussions concerning our investigative methods, the scope of work performed, the history of development at the site, the identification of potentially hazardous materials or conditions found during our investigation, and our professional opinions concerning the potential impact of identified areas of concern. The effective date of this report is November 13, 2020. We recommend that this report be read in its entirety by all interested parties for a comprehensive understanding of the assessment.

If you have any questions or would like to discuss these items further, please feel free to contact us at (801) 327-9600.

Sincerely,

**Gordon Geotechnical Engineering, Inc.**



Patrick R. Emery, P.E.  
Environmental Professional

PRE:sn

Encl. Report

**REPORT  
PHASE I  
ENVIRONMENTAL SITE ASSESSMENT  
GRANTSVILLE RESIDENTIAL DEVELOPMENT  
APPROXIMATELY 1055 EAST SR 112  
GRANTSVILLE, UTAH**

November 13, 2020

Job No. 439-014-20

**Prepared for:**  
JJR DV, LLC  
2265 East Holladay Road  
Holladay, Utah 84117

**Prepared by:**  
Gordon Geotechnical Engineering, Inc.  
4426 South Century Drive, Suite 100  
Salt Lake City, Utah 84123  
Tel: 801-327-9600  
Fax: 801-327-9601  
[www.gordongeotech.com](http://www.gordongeotech.com)

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## EXECUTIVE SUMMARY

This report presents the findings of a Phase I Environmental Site Assessment (ESA) conducted by Gordon Geotechnical Engineering, Inc. (G<sup>2</sup>) for the site located at approximately 1055 East SR 112 in Grantsville, Utah. The referenced site contains approximately 119 acres of vacant/undeveloped land. Key points of the ESA are summarized below:

**Site History:** The primary sources of historic information were collected from the review of historic aerial photographs, topographic maps, city directories, interviews, and a site reconnaissance. Our review indicates that the property has been vacant/undeveloped since the date of the earliest aerial photograph from 1938. The site has historically been used as agricultural land for the cultivation of crops and grazing.

**Site Reconnaissance:** On the day of G<sup>2</sup>'s site visit, the site contained vacant/undeveloped land. Vegetation at the site consisted of a moderate growth of low-lying grasses and weeds throughout the majority of the site and occasional sage brush. Topography at the site is gently rolling with local relief generally not exceeding 1 to 2 feet and total relief of approximately 40 feet. The surface slopes gently down to the northwest. The northwestern field appeared to have recently been plowed. The remainder of the site does not appear to have had any cultivation activity in recent years.

### Adjoining Properties:

North	Vacant/undeveloped Land;
East	Vacant/undeveloped Land;
South	SR 112 followed by vacant/undeveloped Land;
West	Single-family residential structure.

The probability of adverse environmental impairment from the surrounding facilities is considered low.

**Geology and Hydrogeology:** Based on Utah Geological Survey (UGS) mapping, geologic materials in the vicinity consist predominately of latest Pleistocene aged mixed-lacustrine and alluvial deposits (Q1a). Soils at the site are projected to consist of silt and clay. Groundwater is projected to be on the order of at least 30 feet below the ground surface. The groundwater flow direction is anticipated to be in a northwesterly direction based on regional topography.

**Records Review:** No environmental records were identified for the subject site or project area. Tooele Army Depot is located over 1.5 miles south of the site.

**Vapor Encroachment Condition (VEC):** There are no known or suspected sources of contamination within the search distances (1/10 of a mile for petroleum hydrocarbons and 1/3 of a mile for all other chemicals of concern) of the subject site. Therefore, a VEC can be ruled out at the subject site.

**Data Gaps:** No data gaps were identified in this assessment.

**Findings:** No REC's, CREC's, HREC's, VEC's, or de minimis conditions were identified in this assessment.

**Opinions:** It is our opinion that the site is environmentally suitable for unrestricted land use. No further investigation is recommended at this time.

**Conclusions:** G<sup>2</sup> has completed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 for the property located at approximately 1055 East SR 112 in Grantsville, Utah. Any exceptions to, or deletions from, this practice are described in Section 1.2, Deviations from Standard, of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property.

## 1. INTRODUCTION

Gordon Geotechnical Engineering, Inc. (G<sup>2</sup>) has conducted a Phase I Environmental Site Assessment (ESA) of the Grantsville residential development property located approximately 1055 East SR 112 in Grantsville, Utah. The purpose of the Phase I ESA is to document current and historical information of the site and vicinity property, to evaluate the risk of adverse environmental impact to the site based upon those usages, and to identify “recognized environmental conditions”, as defined by the American Society for Testing and Materials (ASTM). The project conforms to general standards established in 2013 by the ASTM (ASTM E 1527-13). The scope of work for the Phase I ESA included the following:

- A physical reconnaissance of the site and observation of surrounding properties for unusual land colorations, physical irregularities, and noticeable refuse piles, as well as an exploration of current land use in the immediate vicinity.
- A review of available information on the geology, hydrogeology, and meteorology in the vicinity of the site.
- A review of available environmental documentation for the site and vicinity properties from local, state, and federal environmental agencies.
- A review of available historical data pertaining to the site and adjacent property usage.
- A review of the information obtained from regulatory databases and an assessment of the potential for impact by toxic, hazardous, or otherwise regulated materials.

Environmental impairment of a property may result from activities such as illegal or unreported dumping or the spilling of hazardous wastes or materials. It should be noted that the presence of contaminants at a particular property may not always be apparent. The completion of a Phase I ESA in accordance with ASTM E 1527-13 (All Appropriate Inquiries) guidelines cannot provide a guarantee that hazardous wastes or materials do not exist. The Phase I ESA is intended to permit the user to satisfy one of the requirements to qualify for one of the landowner liability protections (LLP's) offered under the Small Business Liability Relief and Brownfields Revitalization Act.

The scope of services executed for this project did not comprise an audit for regulatory compliance, nor did it comprise a detailed condition survey for lead paint, asbestos-containing materials (ACM), radon, naturally occurring materials, or other conditions or potential hazards not outlined in G<sup>2</sup>'s Work Scope. Similarly, G<sup>2</sup> has not considered: a) the actual or threatened inhalation of, ingestion of, contact with, exposure to, existence of, growth or presence of; or b) any costs or expenses that may be incurred to prevent, respond to, test for, monitor, abate,

mitigate, remove, clean-up, contain, remediate, treat, detoxify, neutralize, assess, or otherwise deal with or dispose of, any fungi or any spores, mytoxins, odors, or any other substances, products or by-products produced by, released by, or arising out of the current or past presence of fungi. "Fungi", as used herein, includes any form of fungus, including, but not limited to, yeast, mold, mildew, rust, or smut.

G<sup>2</sup>'s Work Scope is detailed in the Professional Services Agreement No. 20-1017 dated October 26, 2020.

This report has been prepared for the exclusive use of Prairie Village Apartments, LLC and duly-authorized representatives in accordance with generally accepted professional consulting practices. Except as otherwise provided herein, no expressed or implied warranty is made. The findings contained herein are relevant to the dates of G<sup>2</sup>'s site visits and should not be relied upon to represent conditions at later dates. In the event that changes in the nature, usage, or layout of the property or nearby properties are made, the conclusions and recommendations contained in this report may not be valid. If additional information becomes available, it should be provided to G<sup>2</sup> so that the original conclusions and recommendations can be modified, as necessary.

### **1.1 RELIANCE ON REPORT BY OTHER THAN CLIENT**

Provided that the report is still reliable and less than six months old, G<sup>2</sup> will issue a third-party reliance letter to parties the Client identifies in writing, upon payment of the then-current fee for such letters. All third parties relying on G<sup>2</sup>'s report, by such reliance, agree to be bound by our proposal and G<sup>2</sup>'s standard reliance letter. G<sup>2</sup>'s standard reliance letter indicates that in no event shall G<sup>2</sup> be liable for any damages, howsoever arising, relating to third-party reliance on G<sup>2</sup>'s report. No reliance by any party is permitted without such agreement.

### **1.2 DEVIATIONS FROM STANDARD**

This investigation was performed in general conformance with ASTM E 1527-13; there are no deviations from the standard.

### **1.3 DEFINITIONS**

For the purpose of this Phase I ESA, the terms referred to in the report are defined below:

- *Site* – The area of land consisting of 5 contiguous parcels containing approximately 119-acres of land located at approximately 1055 East SR 112 in Grantsville, Utah. The site contains vacant/undeveloped land (see Figure 1, Vicinity Map and Figure 2, Site Plan).
- *Project Area* – Refers to an approximate one-half mile radius around the site.

- *Adjoining Properties* – Any real property or properties, the border of which is contiguous with that of the site, or that would otherwise be contiguous with the site, but for a street, road, or other public thoroughfare separating them.
- *Recognized Environmental Condition (REC)* – The term meaning the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products, even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be subject to an enforcement action if brought to the attention of appropriate governmental agencies.
- *Controlled Recognized Environmental Condition (CREC)* – A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.
- *Historical Recognized Environmental Condition (HREC)* – A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, or engineering controls).
- *Groundwater Flow Direction* – G<sup>2</sup>'s estimation of groundwater flow direction is based on topographic maps, surface water conditions in the project area, public documents, and/or interviews with knowledgeable people. G<sup>2</sup> did not make any quantitative assessments of groundwater flow as part of this assessment. With regard to subsequent references to up-gradient, cross-gradient, or down-gradient groundwater flow directions, locations relative to the site are based on a north/northwesterly direction of flow.

## **2. SITE DESCRIPTION**

The overall site consists of 5 parcels (Tax ID's 19-081-0-0001, 19-081-0-0003, 19-081-0-004C, 01-069-0-0103, and 19-081-0-0002) totaling approximately 119-acres located at approximately 1055 East SR 112 in Grantsville, Tooele County, Utah. The site contains vacant/undeveloped

pasture land and farm land. The layout of the site and surrounding areas is presented on Figures 1 and 2.

## **2.1 SITE VICINITY**

The site is bordered by similar vacant/undeveloped pasture land and farm land to the north, south, east, and a single-family residential structure to the west.

## **3. SITE HISTORY**

### **3.1 AERIAL PHOTOGRAPH REVIEW**

Historic aerial photographs were supplied by GeoSearch and reviewed by G<sup>2</sup> in an effort to identify the history of development and land use at the site and the adjacent properties. The photographs reviewed cover the years 1938, 1953, 1959, 1966, 1971, 1980, 1987, 1997, 2003, 2004, 2006, 2009, 2011, 2014, 2016, and 2018. A description of visible developments and apparent land uses for the site and adjoining properties are listed below for each photograph. Aerial photographs have been included in Appendix A.

- 1938** The photograph indicates that the site was vacant/undeveloped. A canal traverses northeast to southwest on the northwestern portion of the site.
- 1953** The photograph depicts relatively no change to the site from the previous imagery.
- 1959** The photograph depicts relatively no change to the site from the previous imagery.
- 1966** The photograph depicts relatively no change to the site from the previous imagery.
- 1971** The photograph depicts relatively no change to the site from the previous imagery.
- 1980** The photograph indicates that the northwest portion of the site had been plowed for cultivation of crops. A single-family residential structure was constructed to the west of the site.
- 1987** The photograph indicates that the entire site had been plowed for cultivation of crops.
- 1997** The photograph indicates that a barn structure was constructed on the southwest corner of the site.
- 2003** The photograph depicts relatively no change to the site from the previous imagery.
- 2004** The photograph depicts relatively no change to the site from the previous imagery.

- 2006** The photograph depicts relatively no change to the site from the previous imagery.
- 2009** The photograph depicts relatively no change to the site from the previous imagery.
- 2011** The photograph indicates that a barn structure was removed from the southwest corner of the site.
- 2014** The photograph depicts relatively no change to the site from the previous imagery.
- 2016** The photograph depicts relatively no change to the site from the previous imagery.
- 2018** The photograph depicts relatively no change to the site from the previous imagery. It appears that agricultural use of the south and east portions of the site for cultivation of crops has not occurred since at least 2009.

## **3.2 HISTORIC MAPS**

### **3.2.1 Topographic Maps**

Historic topographic maps titled "Grantsville, Utah" were supplied by GeoSearch and reviewed by G<sup>2</sup> in an effort to identify the history of development at the site and the adjacent properties. The maps reviewed cover the years 1955 and 2014. The topographic maps indicate that the site consisted of vacant land throughout the years covered. Topographic maps have been included within Appendix A.

## **3.3 INTERVIEWS**

### **3.3.1 Current Owner**

The current owner of the site is Grantsville Property LLC. Mr. Blayne Broderson completed a Phase I interview questionnaire on behalf of Grantsville Property LLC. The questionnaire indicates current and past uses of the site are agriculture. Mr. Broderson was unaware of any environmental concerns associated with the site. Copies of the seller's disclosure documents are included with Appendix B.

### **3.3.2 Regulatory Agency**

The Utah Department of Environmental Quality (UDEQ) maintains an online interactive database with many types of pertinent environmental records including but limited to documented environmental incidents (SPILLS) and regulated environmental facilities.

A review of the environmental regulatory agency records identified no documented environmental incidents or regulated environmental facilities at the subject property.

#### **4. SITE RECONNAISSANCE**

A site reconnaissance was conducted on Thursday, October 29, 2020 by Jordan Culp, Environmental Professional, and Matthew Mikulich, Environmental Technician of G<sup>2</sup>. A visual survey was made of the site area walking the perimeter and throughout the property. Site photographs were taken and are included within Figures 3A through 3C. Observations were made for obvious and/or potential signs of contamination or conditions that could contribute to subsurface contamination, such as those listed below:

- disturbed soils related to unofficial dumping
- areas with fill
- surface trash
- chemical containers, such as 55-gallon drums
- discolored or odoriferous soils
- standing water with discoloration or odors
- distressed vegetation
- underground storage tanks
- septic tanks or heating oil tanks
- drainage onto the site from adjacent properties
- leaky chemical containers
- chemical spills
- water wells, dry-wells, or wash-down sumps

##### **4.1 BUILDINGS, IMPROVEMENTS, AND SITE SURFACE**

On the day of G<sup>2</sup>'s site visit, the site contained vacant/undeveloped land. Vegetation at the site consisted of a moderate growth of low-lying grasses and weeds throughout the majority of the site and occasional sage brush. Topography at the site is gently rolling with local relief generally not exceeding 1 to 2 feet and total relief of approximately 40 feet. The surface slopes gently down to the northwest. The northwestern field appeared to have recently been plowed. The remainder of the site does not appear to have had any cultivation activity in recent years.

##### **4.2 STORAGE TANKS**

No storage tanks were observed within the site boundaries.

##### **4.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS**

No hazardous substances or petroleum products were observed within the site boundaries.

##### **4.4 REFUSE AND DEBRIS**

A minor amount of refuse and debris including windblown trash was observed on the property.



#### **4.5 PITS, PONDS, OR LAGOONS**

No pits, ponds, or lagoons were observed within the site boundaries.

#### **4.6 SITE DRAINAGE**

The regional topography of the area slopes downward to the northwest. Drainage will generally follow the terrain and is expected to travel to the northwest toward the Great Salt Lake.

#### **4.7 SEWER/SEPTIC SYSTEMS AND DRAINS**

Sewer and water utilities have been installed within the adjacent roadways.

#### **4.8 POTENTIAL PCB SOURCES**

No potential PCB sources were identified within the site boundary.

#### **4.9 SURFACE VEGETATION**

Vegetation consists of a moderate growth of grasses, weeds, and occasional sage brush. No stressed vegetation was observed within the site boundary.

#### **4.10 ADJOINING PROPERTIES**

Property usage adjoining the site consists of commercial and vacant/undeveloped land. Adjoining properties were visually assessed from public access right-of-ways to identify current usage and their potential to have any direct, obvious environmental impact to the site. Descriptions of the adjoining and surrounding properties are listed below:

North	Vacant/undeveloped Land;
East	Vacant/undeveloped Land;
South	SR 112 followed by vacant/undeveloped Land;
West	Single-family residential structure.

The probability of adverse environmental impairment from the surrounding facilities is considered low.

#### **4.11 LIMITING CONDITIONS**

The site consists of approximately 119 acres of open range grazing land. There are no roads on the property and the site reconnaissance had to be conducted on foot. Due to the vegetation cover, it was not feasible to observe the entirety of the site surface. This is considered a limiting condition as per ASTM E 1527-13 but does not affect the conclusions of this report due to the undeveloped nature of the site.

### **5. GEOLOGY AND HYDROGEOLOGY**

The transport of hazardous materials on the surface and in the subsurface is controlled by topography, drainage patterns, soil types, depth to groundwater, groundwater flow direction, and gradient. An understanding of the hydrogeologic setting can help in evaluating the susceptibility of the site to contamination. Typically, contaminants migrate vertically through porous soils to shallow groundwater and then travel with the flow of groundwater. Locally, subsurface transport can be diverted by man-made conduits, including backfilled annular spaces, such as sewers, water lines, or wells.

The prevailing wind is from the west. No significant airborne pollutants are expected to impact the site.

#### **5.1 GEOLOGIC SETTING**

The site is located in the Basin and Range Province in north-central Utah. The Basin and Range Province is characterized by numerous north-south oriented, fault-tilted mountain ranges separated by deep sediment filled basins. The site is situated in a valley bound to the east by the Oquirrh Mountains and to the west by the Stansbury Mountains. The area was inundated by Pleistocene Lake Bonneville from about 30,000 to 13,000 years ago. Holocene deposition is predominately derived from the incision and reworking of Lake Bonneville deposits. Elevations in the immediate area of the site are approximately 4,327 feet above mean sea level.

#### **5.2 GEOLOGY AND SOILS**

Based on Utah Geological Survey (UGS) mapping, geologic materials in the vicinity consist predominately of latest Pleistocene aged mixed-lacustrine and alluvial deposits (Q1a). Soils at the site are projected to consist of silt and clay.

#### **5.3 HYDROGEOLOGY**

The measurement and investigation of groundwater flow was not part of the scope of work for this project. Groundwater is projected to be on the order of at least 30 feet below the ground surface. The groundwater flow direction is anticipated to be in a northwesterly direction based on regional topography.

## **6. RECORDS REVIEW**

A review was made of pertinent environmental records for those facilities in the site vicinity. The reviewed records include databases and files available from the Utah Department of Environmental Quality (UDEQ) and the Environmental Protection Agency (EPA). The database search was performed in accordance with standards established in ASTM E 1527-13. The reviewed records are listed below:

### Federal Databases:

- National Priorities List (NPL) - searched to one mile radius: The NPL report, also known as the Superfund List, is an EPA listing of uncontrolled or abandoned hazardous waste sites. The list is primarily based upon a score which the site receives from the EPA's Hazardous Ranking System. These sites are targeted for possible long-term remedial action under the Superfund Program.
- Corrective Action Facilities ("RCRAC") - searched to one mile radius: This database is a compilation of facilities which are undergoing "corrective action." A "corrective action order" is issued pursuant to RCRA Section 3008(h) when there has been a release of hazardous waste or constituents into the environment from an RCRA facility. Corrective actions may be required regardless of when the release occurred, even if it predates RCRA.
- Resource Conservation and Recovery Act - Treatment, Storage, and Disposal Facilities ("RCRAT") - searched to one mile radius: The EPA's Resource Conservation and Recovery Act (RCRA) program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment, or disposal of hazardous waste. RCRA-TSDs are facilities that treat, store, and/or dispose of hazardous waste.
- Superfund Enterprise Management System ("SEMS"), formerly Comprehensive Environmental Response, Compensation, and Liability Information System ("CERCLIS") - searched to one mile radius: The SEMS List contains sites which are either proposed to or on the NPL and sites which are in the screening and assessment phase for possible inclusion on the NPL. The information on each includes a history of all pre-remedial, remedial, removal, and community relations activities or events at the site, financial funding information for the events, and unrestricted enforcement activities.
- Resource Conservation and Recovery Act - Large Quantity Generators ("RCRAG-LgGen") - searched to one-quarter mile radius: RCRA Large

Generators are facilities which generate at least 1,000 kilograms (kg) per month of non-acutely hazardous waste or 1 kg per month of acutely hazardous waste.

- Resource Conservation and Recovery Act - Small Quantity Generators ("RCRAG-SmGen") - searched to one-quarter mile radius: RCRA Small and Very Small Generators are facilities which generate less than 1,000 kg per month of non-acutely hazardous waste.
- Emergency Response Notification System ("ERNS") - searched to one-quarter mile radius: This is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center, and the Department of Transportation.

State Databases:

- State Voluntary Cleanup Sites List ("VCP") - searched to one-half mile radius: The Utah Department of Environmental Quality maintains a list of sites which have been targeted for cleanup under the state's Voluntary Cleanup Program.
- Underground Storage Tank Facilities List ("RUST" List) - searched to one-half mile radius: This database contains a summary listing of all underground storage tanks located within the State of Utah that have been registered with Utah Department of Environmental Quality ("DEQ"), Division of Environmental Response and Remediation ("DERR"). It should be noted that heating oil tanks do not require registration in Utah, and may not be documented on sites where they occur. Additionally, USTs installed prior to enactment of current registration regulations may not be documented.
- Leaking Underground Storage Tank List ("LUST" List) - searched to one-half mile radius: This database contains a comprehensive listing of all facilities located within the State of Utah which have reported a release or suspected release of regulated materials to DERR.
- Landfill and Solid Waste Disposal Facilities ("LFSWDS") - searched to one-half mile radius: This database contains a comprehensive listing of all solid waste landfills and processing facilities operating within the State of Utah that were permitted by the DEQ Division of Solid and Hazardous Waste ("UDSHW"). Unknown historic landfills may not be included in this listing.

G<sup>2</sup>'s environmental records review is based on computerized data compiled by GeoSearch. Additionally, a search was conducted of UDEQ environmental interactive map. These lists are

not necessarily complete or fully up-to-date. A copy of the GeoSearch database report is included as Appendix C, The GeoSearch Radius Report.

## **6.1 SUBJECT SITE**

No environmental records were identified for the subject site.

## **6.2 PROJECT AREA**

No environmental records were identified in the project area. Tooele Army Depot is located over one and one-half miles south of the site.

## **7. VAPOR ENCROACHMENT CONDITIONS**

In accordance with the ASTM E1527-13 guidelines, the subject property was assessed for the presence of a Vapor Encroachment Condition (VEC), as defined by the ASTM standard E2600-15, Vapor Encroachment Screens (VES). However, E1527-13 does not require the application of Guide E2600 to achieve compliance with all appropriate inquiries. This task is not a VES, and is intended only to determine if a VEC exists.

### **7.1 METHODOLOGY**

The potential for a VEC was determined through a physical site reconnaissance, a review of regulatory database records, and interviews.

### **7.2 POTENTIAL VEC FINDINGS**

There are no known or suspected sources of contamination within the search distances (1/10 of a mile for petroleum hydrocarbons and 1/3 of a mile for all other chemicals of concern) of the subject site. Therefore, a VEC can be ruled out at the subject site.

## **8. USER RESPONSIBILITIES**

In accordance with ASTM E1527-13 and the EPA All Appropriate Inquiries (AAI), in order to qualify for one of the landowner liability protections (LLP's) under the Small Business Relief and Brownfields Revitalization Act of 2001, the user must conduct the following inquiries:

- A. Environmental Cleanup liens that are filed or recorded against the site.
- B. Activity and land use limitations (AUL's) that are in place on the site or that have been filed or recorded in a registry.

- C. Specialized knowledge or experience of the person seeking to qualify for the LLP.
- D. Relationship of the purchase price to the fair market value of the property if it were not contaminated.
- E. Commonly known or reasonably ascertainable information about the property.
- F. The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation.

ASTM E 1527 states that user should provide the results of the above inquiries, if available, to the environmental professional (EP). At the time of this report, the user has not provided G<sup>2</sup> with the results of the user responsibilities. The lack of the user provided information does not constitute a data gap based on the availability of other resources.

## **9. DATA GAPS**

No data gaps were identified during this assessment.

## **10. FINDINGS**

No REC's, CREC's, HREC's, VEC's, or de minimis conditions were identified in this assessment.

## **11. OPINIONS**

It is our opinion that the site is environmentally suitable for unrestricted land use. No further investigation is recommended at this time.

## **12. CONCLUSIONS**

G<sup>2</sup> has completed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 for the property located at approximately 1055 East SR 112 in Grantsville, Utah. Any exceptions to, or deletions from, this practice are described in Section 1.2, Deviations from Standard, of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property.

Job No. 439-014-20  
Phase I Environmental Site Assessment  
November 13, 2020



If you have any questions or require additional information, please do not hesitate to contact us.

Respectfully submitted,

**Gordon Geotechnical Engineering, Inc.**

Reviewed by:

A handwritten signature in blue ink, appearing to read 'Jordan K. Culp', is positioned above the printed name and title.

Jordan K. Culp, PE  
Environmental Professional

A handwritten signature in blue ink, appearing to read 'Patrick R. Emery', is positioned above the printed name and title.

Patrick R. Emery, P.E.  
Environmental Professional

JKC/PRE:sn

Addressee (email)

## REFERENCES

Aerial Photographs dated 1938, 1953, 1959, 1966, 1971, 1980, 1987, 1997, 2003, 2004, 2006, 2009, 2011, 2014, 2016, and 2018, provided by GeoSearch, The GeoSearch Aerials Package, dated November 2, 2020.

Radius Report, Provided by GeoSearch, Job Number: 294061, dated October 29, 2020.

Topographic Maps titled "Grantsville, Utah" dated 1955 and 2014 provided by GeoSearch, Historical Topographic Maps Package, dated October 29, 2020.

UDEQ Environmental Interactive Map, <https://enviro.deq.utah.gov/>, accessed November 6, 2020.

Utah Geological Survey Interactive Geologic Map, <https://geology.utah.gov/apps/intgeomap/>, accessed November 6, 2020.



## **QUALIFICATIONS AND RESUME OF ENVIRONMENTAL PROFESSIONALS**

The undersigned personnel at Gordon Geotechnical Engineering, Inc. (G<sup>2</sup>) declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professionals as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property. We have developed and performed the all- appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. Qualifications are included below.



**Patrick R. Emery**  
**Environmental Professional**



**Jordan K. Culp**  
**Environmental Professional**

**Jordan K. Culp P.E.**  
**Project Engineer/Environmental Professional**

Mr. Culp is a project engineer with Gordon Geotechnical Engineering, Inc. (G<sup>2</sup>) with over six years of hands-on field and consulting experience in geotechnical engineering and environmental due-diligence. Responsibilities include the full spectrum of project involvement including: project scoping, subsurface investigation, geotechnical laboratory testing, engineering analysis, reporting, earthwork and construction observations, and conducting Phase I and Phase II Environmental Site Assessments for public and private clientele.

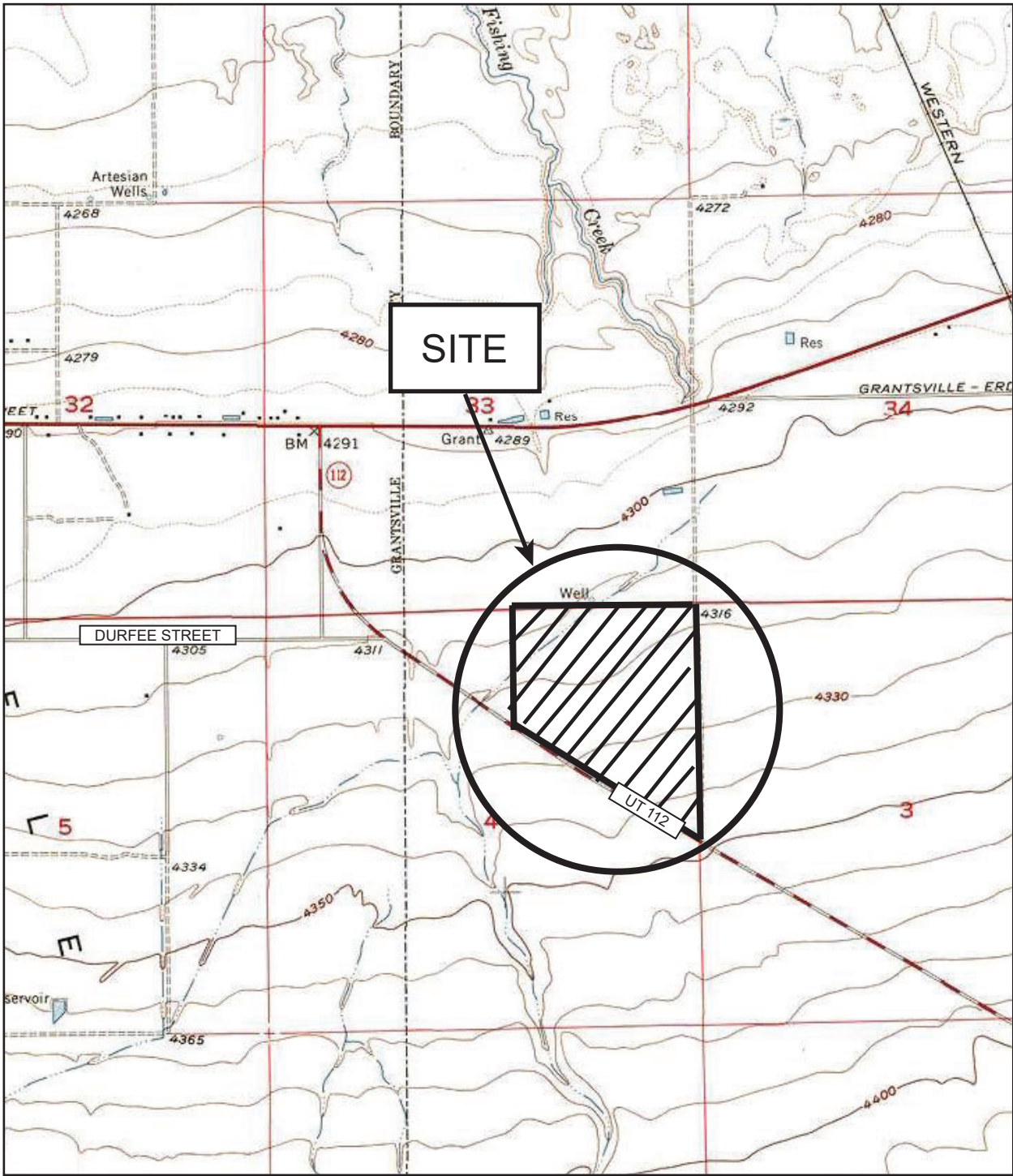
Mr. Culp has completed the ASTM training for Phase I and Phase II Environmental Site Assessments in 2016, obtained Utah professional engineering licensure in 2018, and is a Utah certified groundwater and soil sampler under the Utah Underground Storage Tank (UST) program.

Mr. Culp has worked on notable environmental projects including:

- Phase I environmental site assessment (ESA) of a large agricultural property with impacted groundwater originating from the Tooele Army Depot in Tooele, Utah. The ESA was reviewed by the Utah Department of Environmental Quality and the user was approved for the issuance of an Enforceable Written Assurance (EWA).
- Phase II ESA for a mixed-use residential/commercial development within a former light industrial district of Salt Lake City, Utah under the oversight of the Utah Division of Waste Management and Radiation Control (DWMRC). Based on the results of the assessment, the DWMRC approved the project for construction.

**Patrick R. Emery P.E.**  
**Principal Engineer/Environmental Professional**

Mr. Emery is a senior geotechnical and environmental engineer with over 15 years of experience along the Wasatch Front and Rocky Mountain region. Mr. Emery has extensive experience in geotechnical engineering, pavement and roadway design, expansive and moisture-sensitive soils, and geotechnical laboratory testing. Mr. Emery has conducted numerous Phase I and Phase II Environmental Site Assessments for private and public clientele.

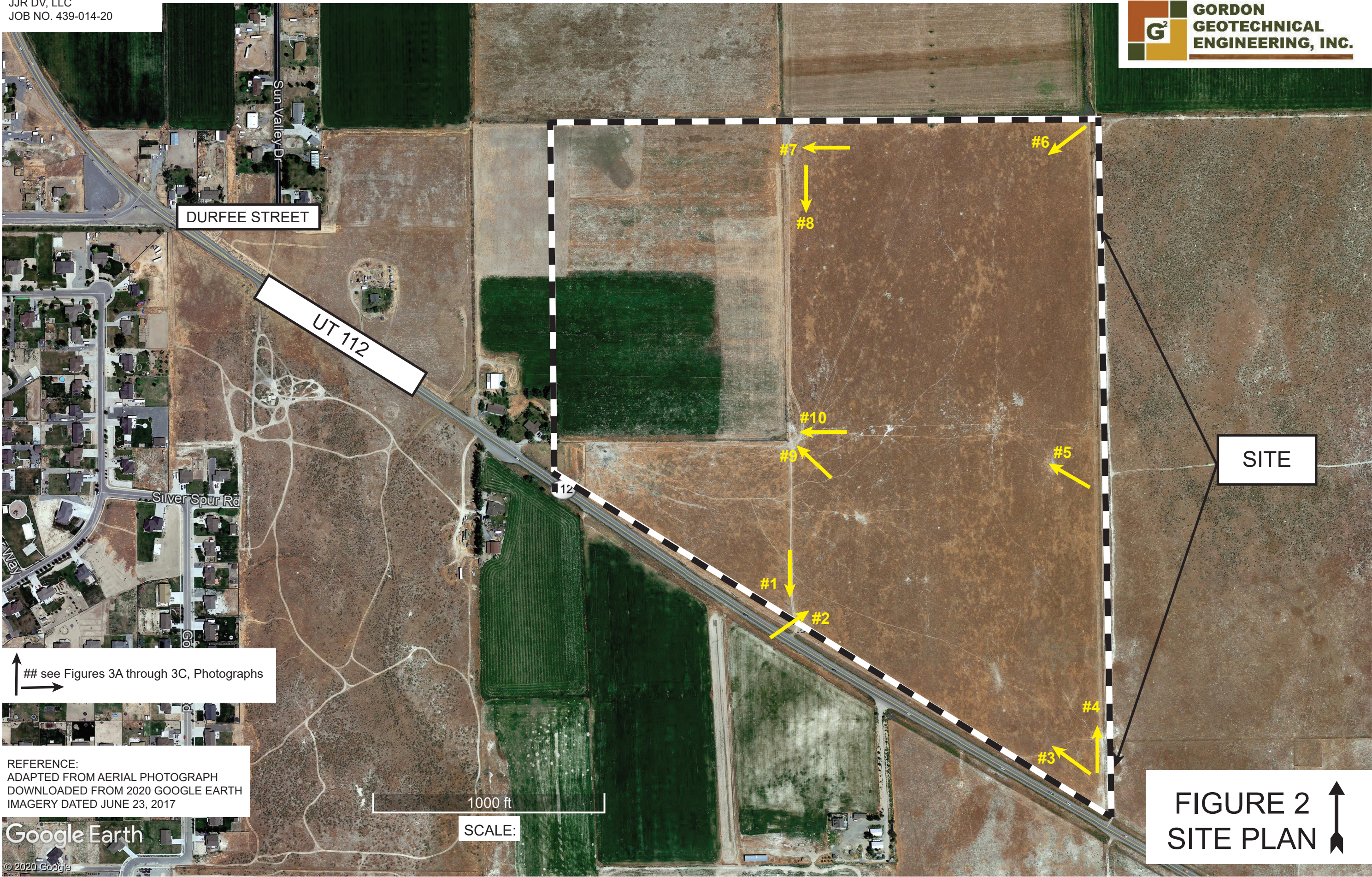


REFERENCE:  
USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE MAP  
TITLED "GRANTSVILLE, UTAH", DATED 1955

**FIGURE 1**  
**VICINITY MAP**







↑ ## see Figures 3A through 3C, Photographs  
→

REFERENCE:  
ADAPTED FROM AERIAL PHOTOGRAPH  
DOWNLOADED FROM 2020 GOOGLE EARTH  
IMAGERY DATED JUNE 23, 2017

Google Earth

© 2020 Google





#1 View of an old sign near southern property line.



#2 Old valve of well head.



#3 Looking northwest from southeast corner of site.



#4 Looking north from southeast corner of site.





#5 View of an irrigation well head.



#6 Looking southwest from northeast corner of site.



#7 Looking west across cultivated field, (western portion of site).



#8 Looking south along fence line near center of site.



#9 Looking northwest.



#10 Looking west along fence line.

## FIGURE 3C PHOTOGRAPHS

## **APPENDIX A**

Aerial Photographs and Topographic Maps



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## ***Historical Aerial Photographs***

---

[NEW: GeoLens by Geosearch](#)

Target Property:  
**Grantsville Residential Development**  
**1055 UT-112**  
**Tooele, Tooele, Utah 84029**

Prepared For:  
**Gordon Geotechnical**

**Order #: 156396**  
**Job #: 380687**  
**Project #: 439-014-20**  
**Date: 11/2/2020**

## Target Property Summary

**Grantsville Residential Development**

**1055 UT-112**

**Tooele, Tooele, Utah 84029**

USGS Quadrangle: **Grantsville**

Target Property Geometry: **Area**

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

(-112.408657942, 40.593400956), (-112.408654468, 40.585245642), (-112.413064019, 40.587225551),  
(-112.414362208, 40.587812180), (-112.416540162, 40.588936537), (-112.416829841, 40.589115780),  
(-112.416840570, 40.589555740), (-112.416915671, 40.589555740), (-112.416958587, 40.593311572)

## Aerial Research Summary

<u>Date</u>	<u>Source</u>	<u>Scale</u>	<u>Frame</u>
2018	USDA	1" = 500'	N/A
2016	USDA	1" = 500'	N/A
2014	USDA	1" = 500'	N/A
2011	USDA	1" = 500'	N/A
2009	USDA	1" = 500'	N/A
2006	USDA	1" = 500'	N/A
2004	USDA	1" = 500'	N/A
2003	USDA	1" = 500'	N/A
10/01/1997	USGS	1" = 500'	N/A
07/15/1987	USGS	1" = 1320'	376-60
08/28/1980	USGS	1" = 500'	2-111
09/04/1971	USGS	1" = 500'	1-11
05/05/1966	USGS	1" = 500'	9-172
10/03/1959	ASCS	1" = 1320'	PI-4
07/30/1953	USGS	1" = 500'	1-96
07/10/1938	ASCS	1" = 500'	1-8

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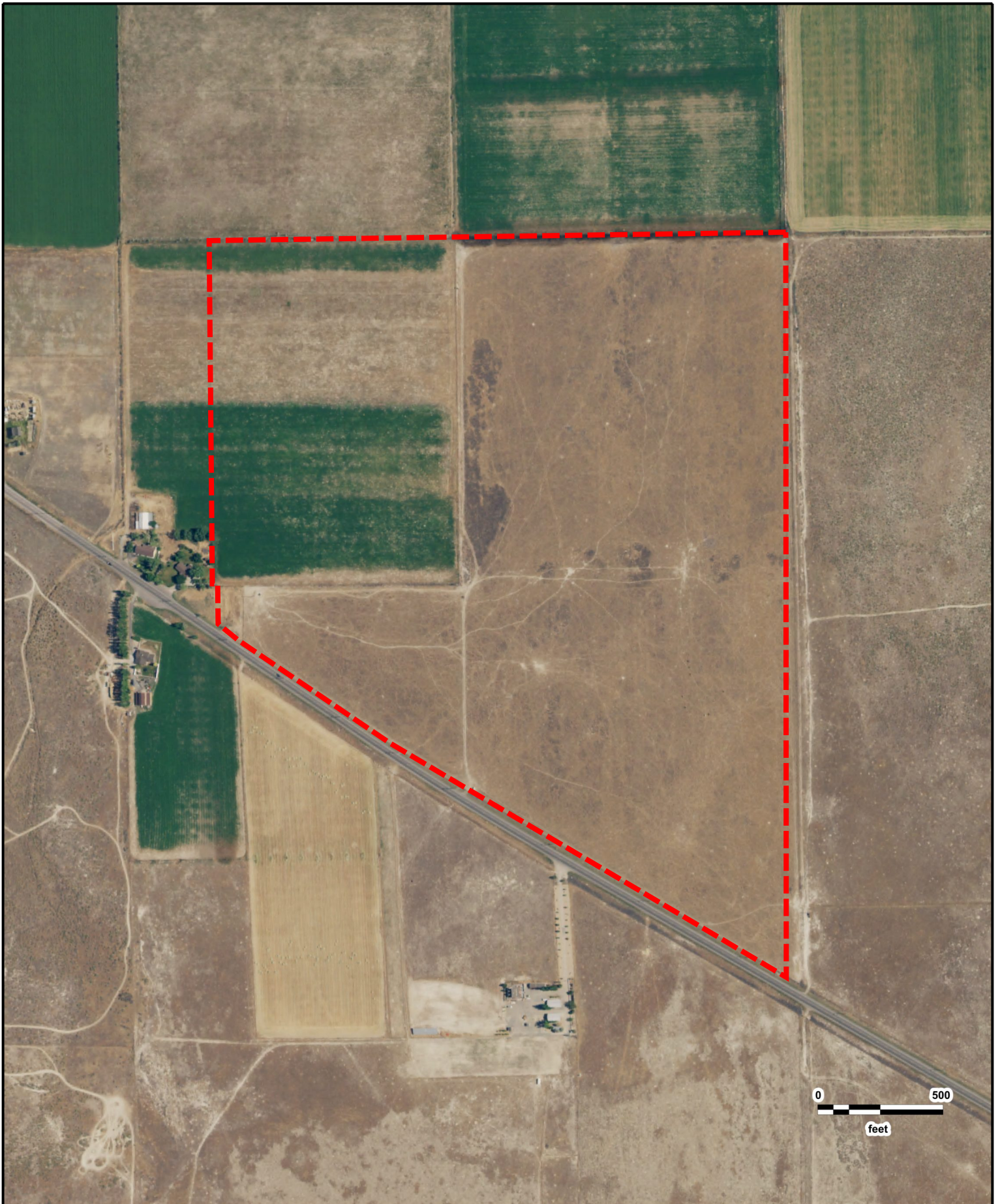




*Grantsville Residential Development*  
**USDA**  
**2018**

**GeoSearch**

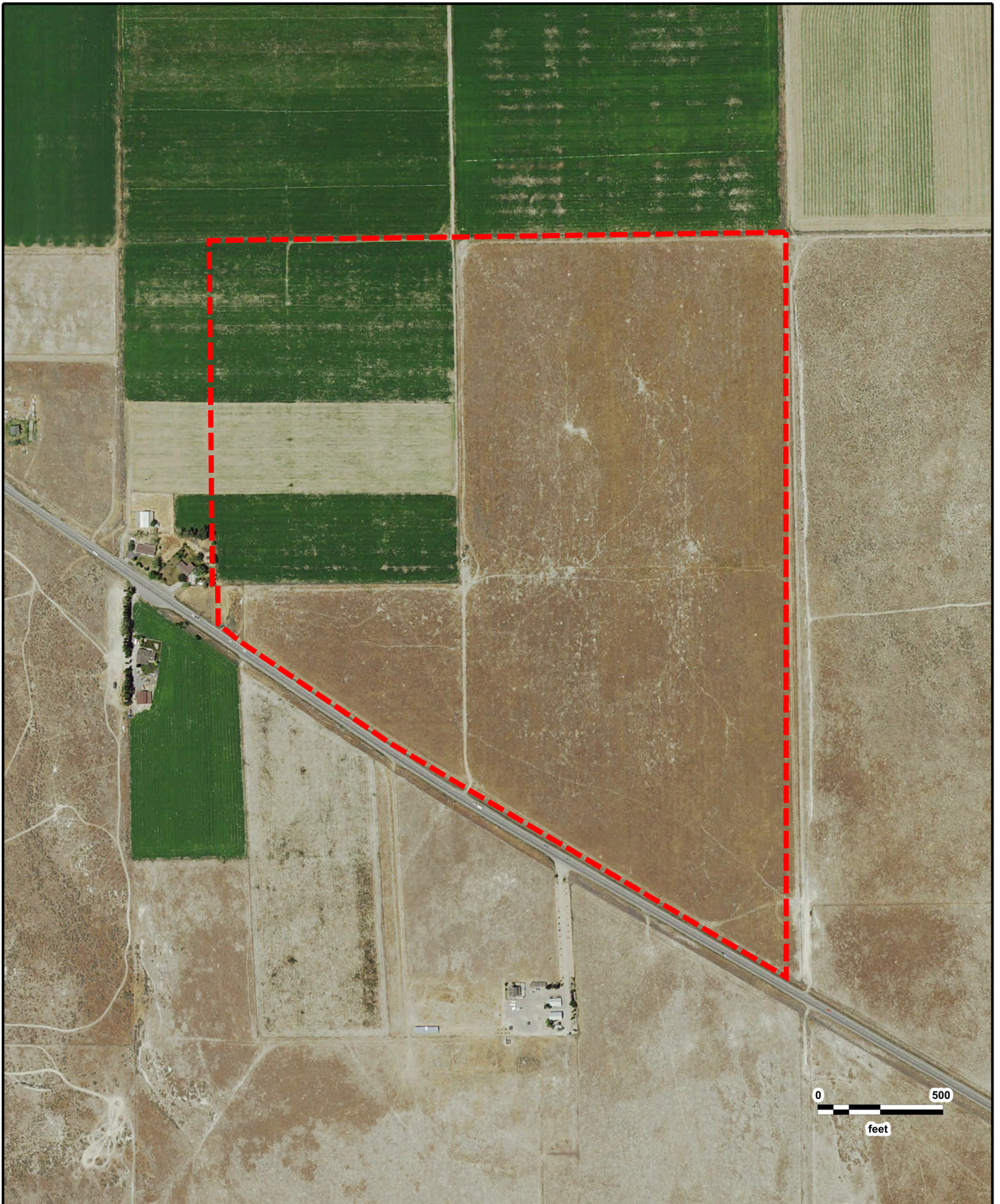




Grantsville Residential Development  
USDA  
2016

GeoSearch

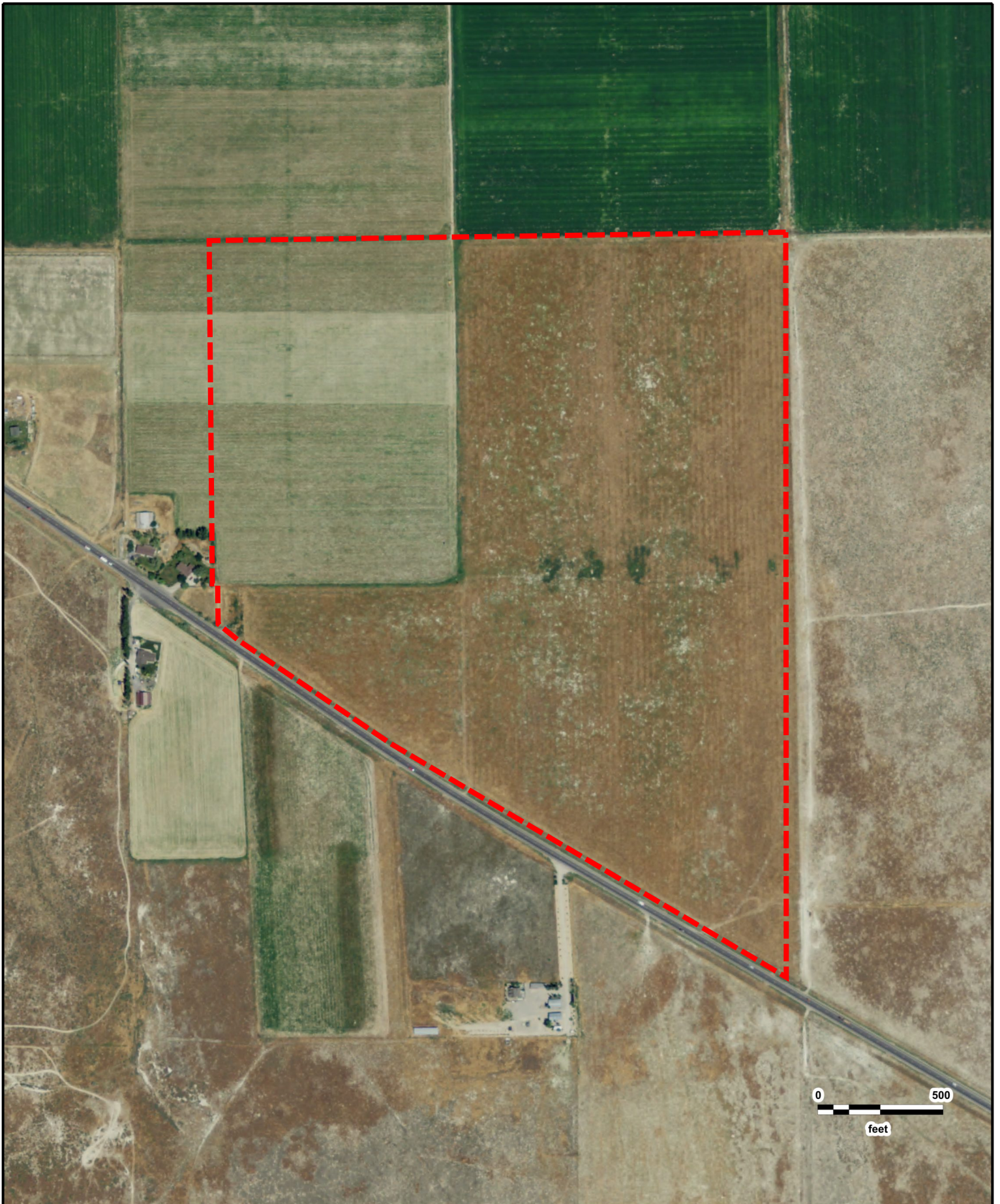




*Grantsville Residential Development*  
**USDA**  
**2014**

**GeoSearch**

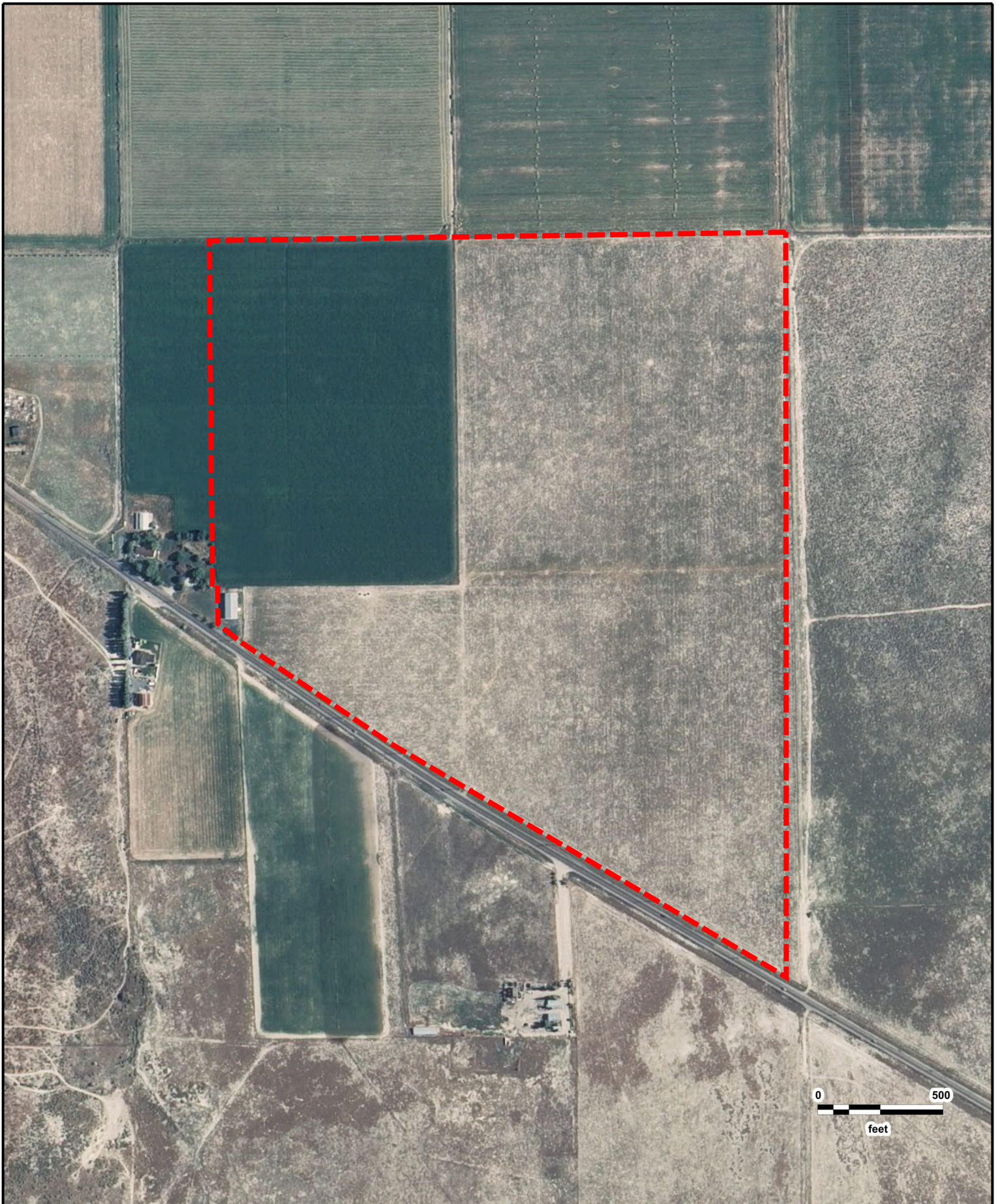




*Grantsville Residential Development*  
**USDA**  
**2011**

**GeoSearch**

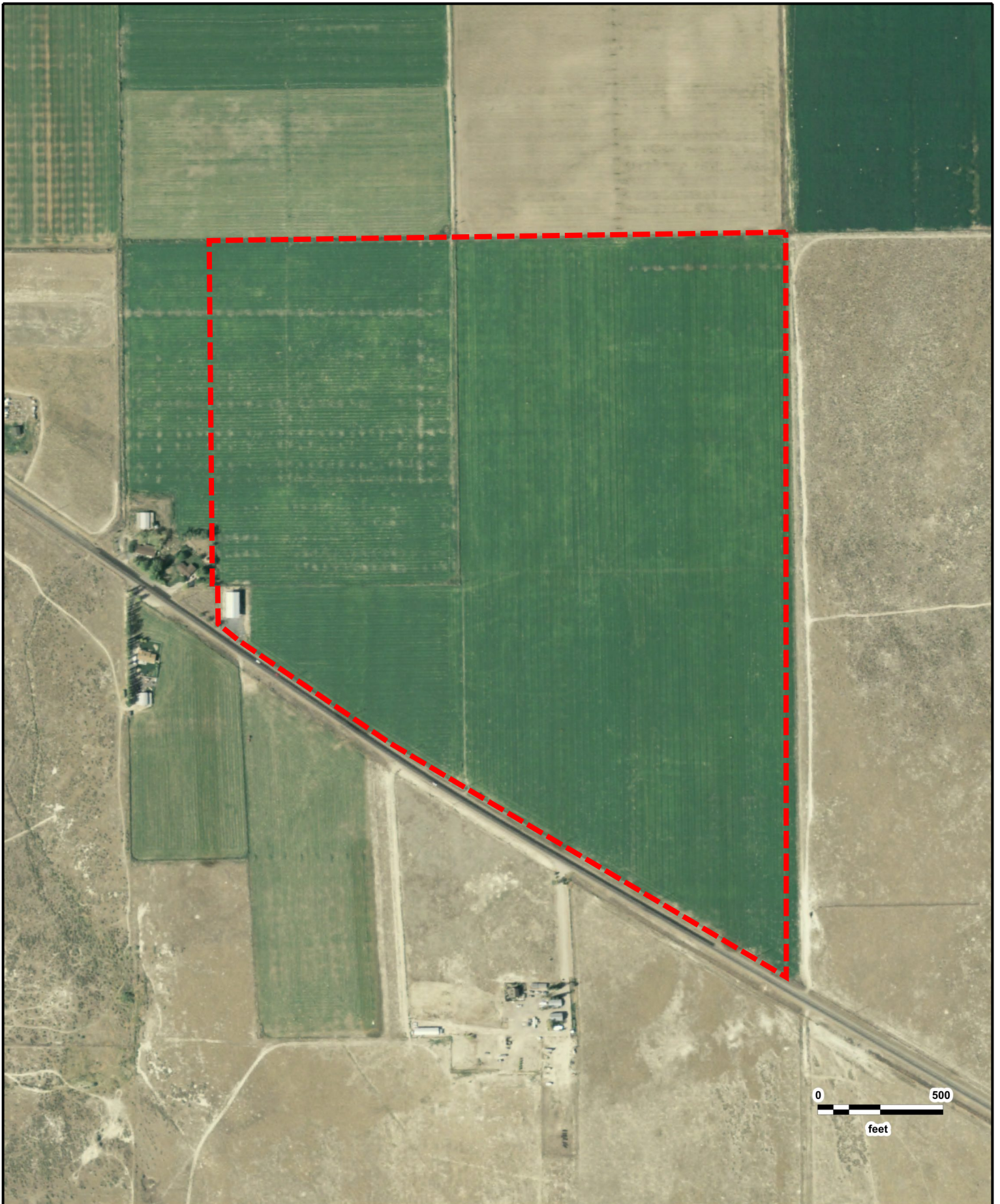




*Grantsville Residential Development*  
**USDA**  
**2009**

**GeoSearch**

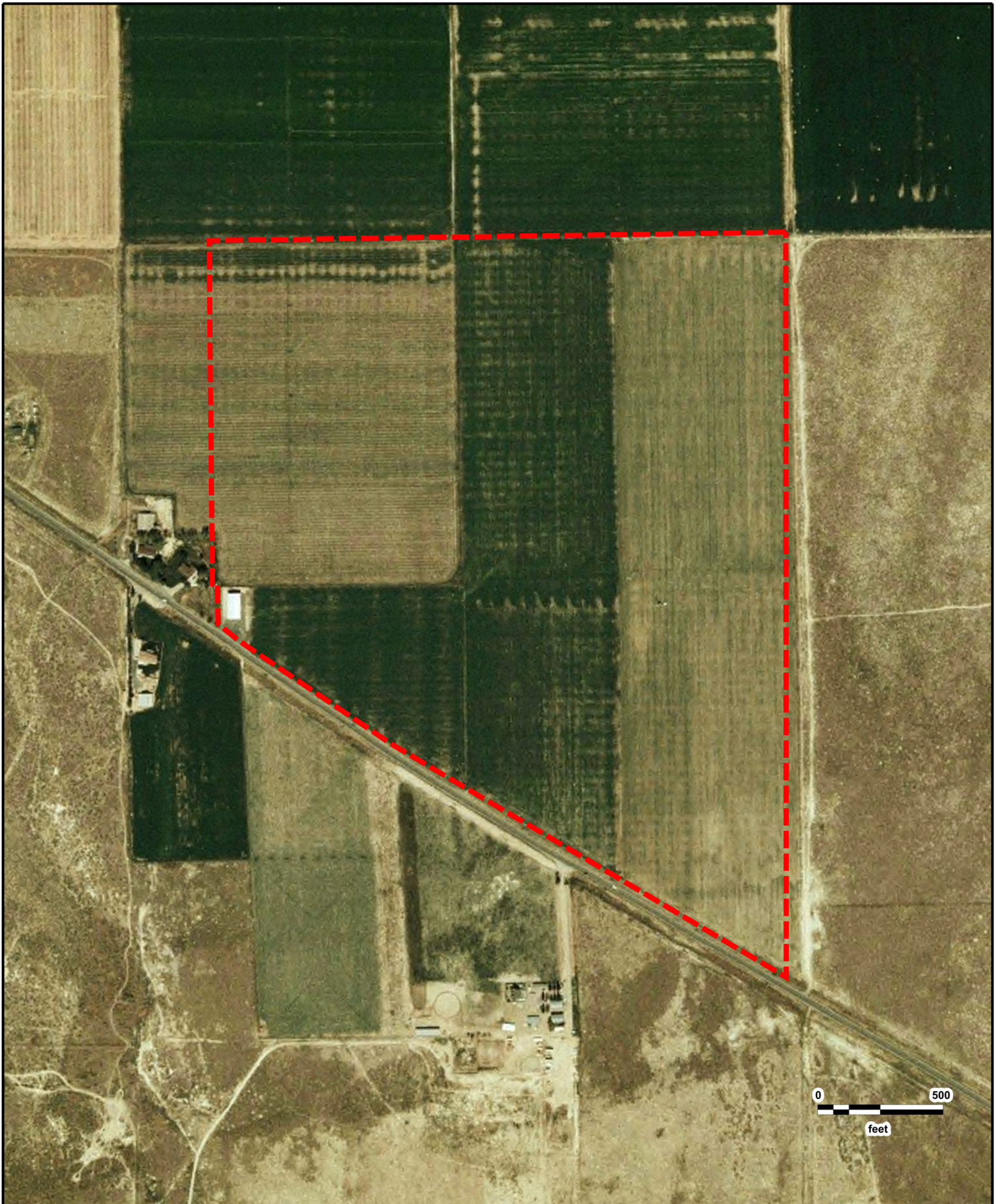




*Grantsville Residential Development*  
USDA  
2006

**GeoSearch**





0 500  
feet



*Grantsville Residential Development*  
USDA  
2004

**GeoSearch**





*Grantsville Residential Development*  
**USDA**  
**2003**

**GeoSearch**





*Grantsville Residential Development*  
USGS  
10/01/1997

**GeoSearch**





Grantsville Residential Development  
USGS  
07/15/1987

GeoSearch

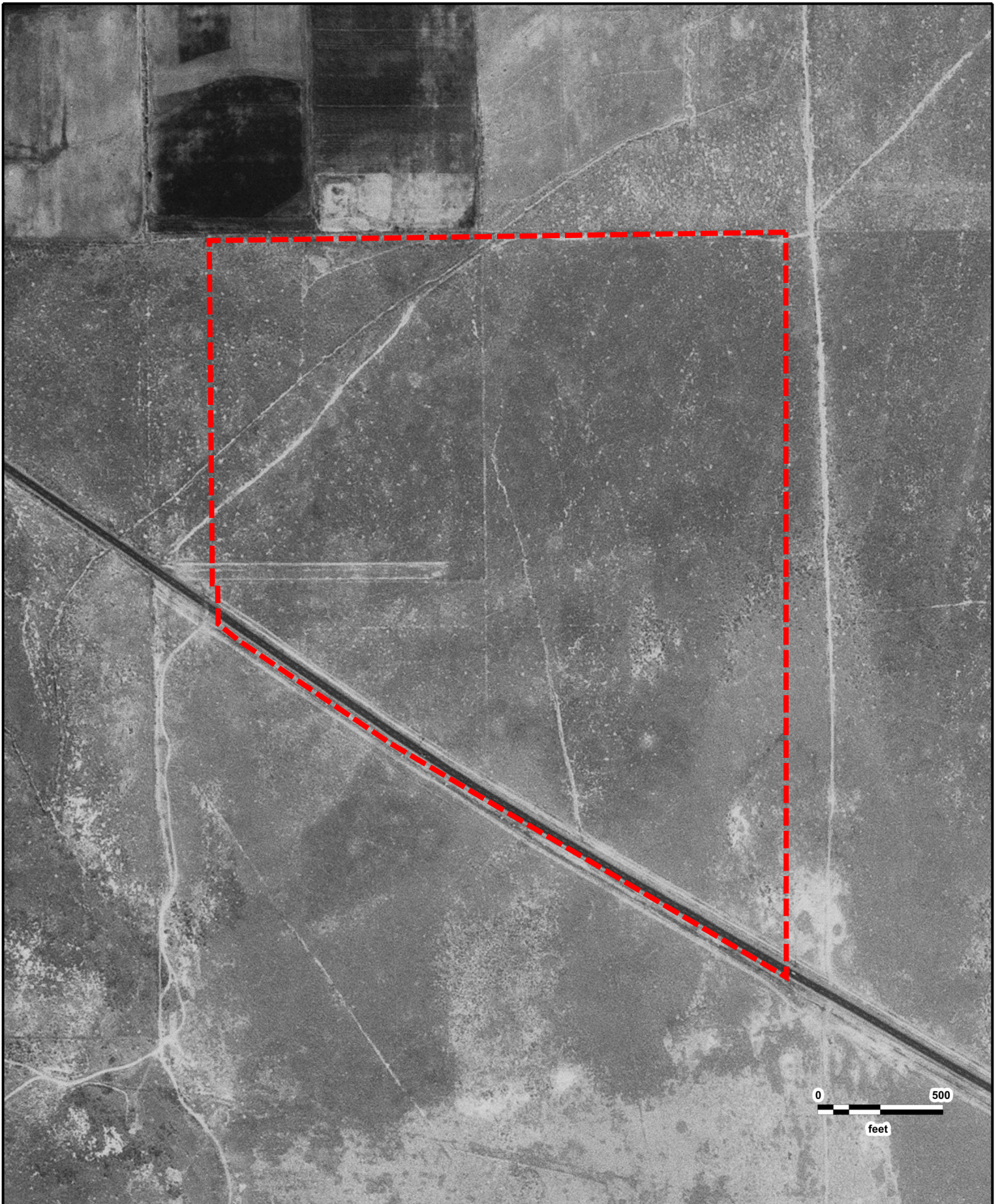




*Grantsville Residential Development*  
USGS  
08/28/1980

**GeoSearch**

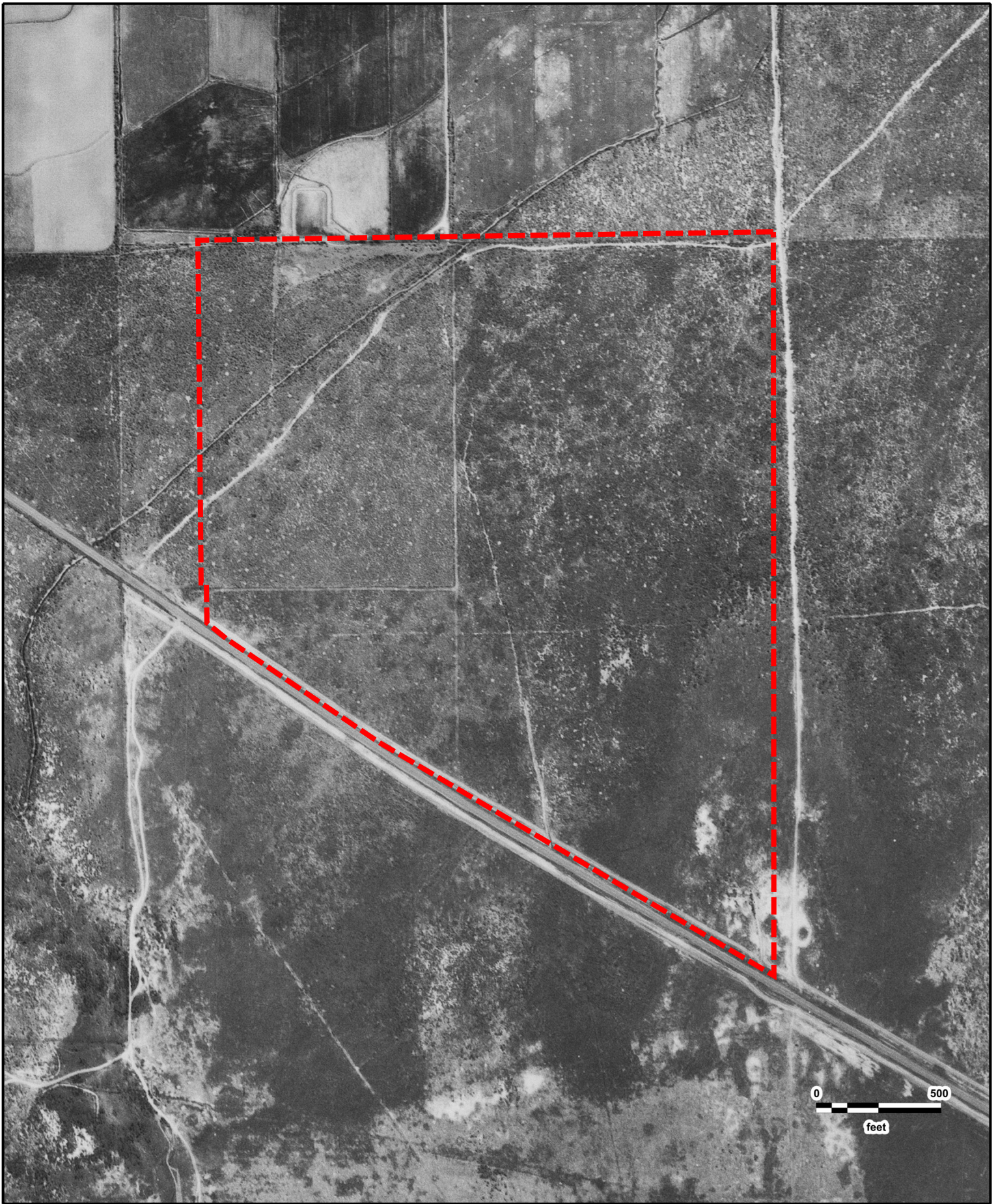




**Grantsville Residential Development**  
**USGS**  
**09/04/1971**

**GeoSearch**

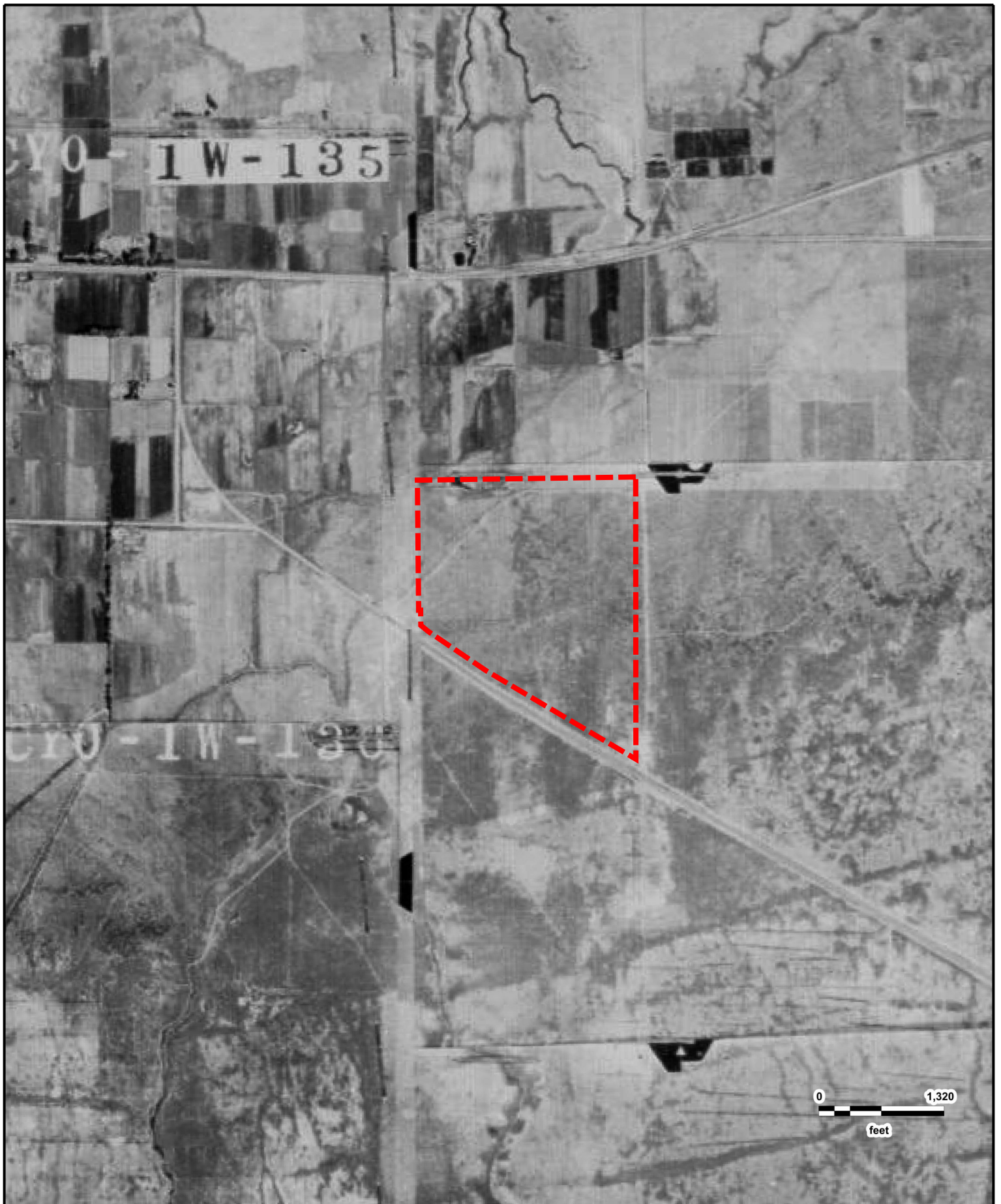




**Grantsville Residential Development**  
**USGS**  
**05/05/1966**

**GeoSearch**

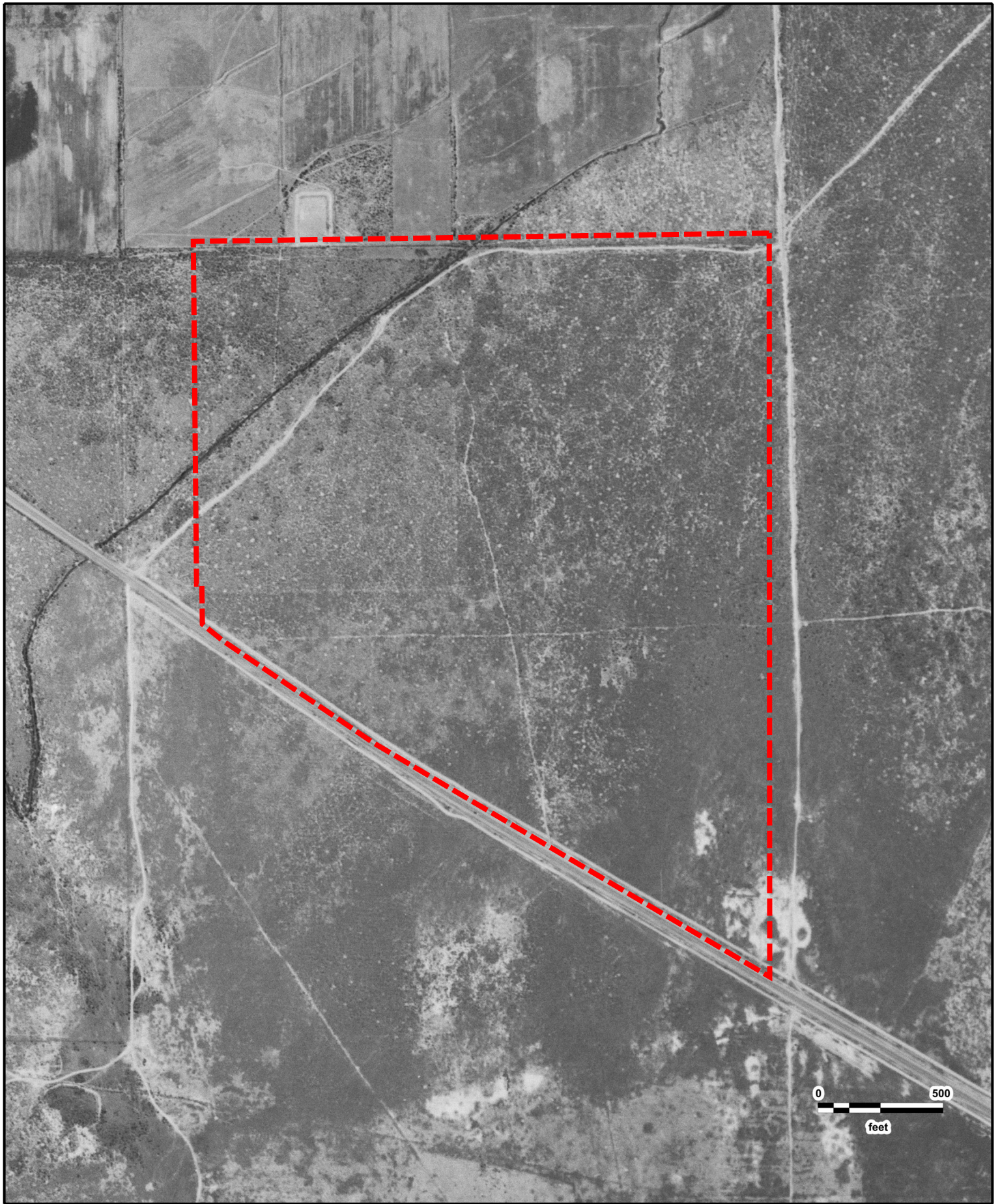




**Grantsville Residential Development**  
**ASCS**  
**10/03/1959**

**GeoSearch**





0 500  
feet



**Grantsville Residential Development**  
**USGS**  
**07/30/1953**

**GeoSearch**





0 500  
feet



**Grantsville Residential Development**  
**ASCS**  
**07/10/1938**

**GeoSearch**

---

## ***Historical Topographic Maps***

---

[NEW: GeoLens by Geosearch](#)

Target Property:  
**Grantsville Residential Development**  
**1055 UT-112**  
**Tooele, Tooele, Utah 84029**

Prepared For:  
**Gordon Geotechnical**

**Order #: 156396**  
**Job #: 380686**  
**Project #: 439-014-20**  
**Date: 10/29/2020**

## Target Property Summary

**Grantsville Residential Development**

**1055 UT-112**

**Tooele, Tooele, Utah 84029**

USGS Quadrangle: **Grantsville**

Target Property Geometry: **Area**

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

(-112.408657942, 40.593400956), (-112.408654468, 40.585245642), (-112.413064019, 40.587225551),  
(-112.414362208, 40.587812180), (-112.416540162, 40.588936537), (-112.416829841, 40.589115780),  
(-112.416840570, 40.589555740), (-112.416915671, 40.589555740), (-112.416958587, 40.593311572)

## ***Topographic Map Summary***

Date

**2014**

**1955**

Quadrangle

**GRANTSVILLE, UT**

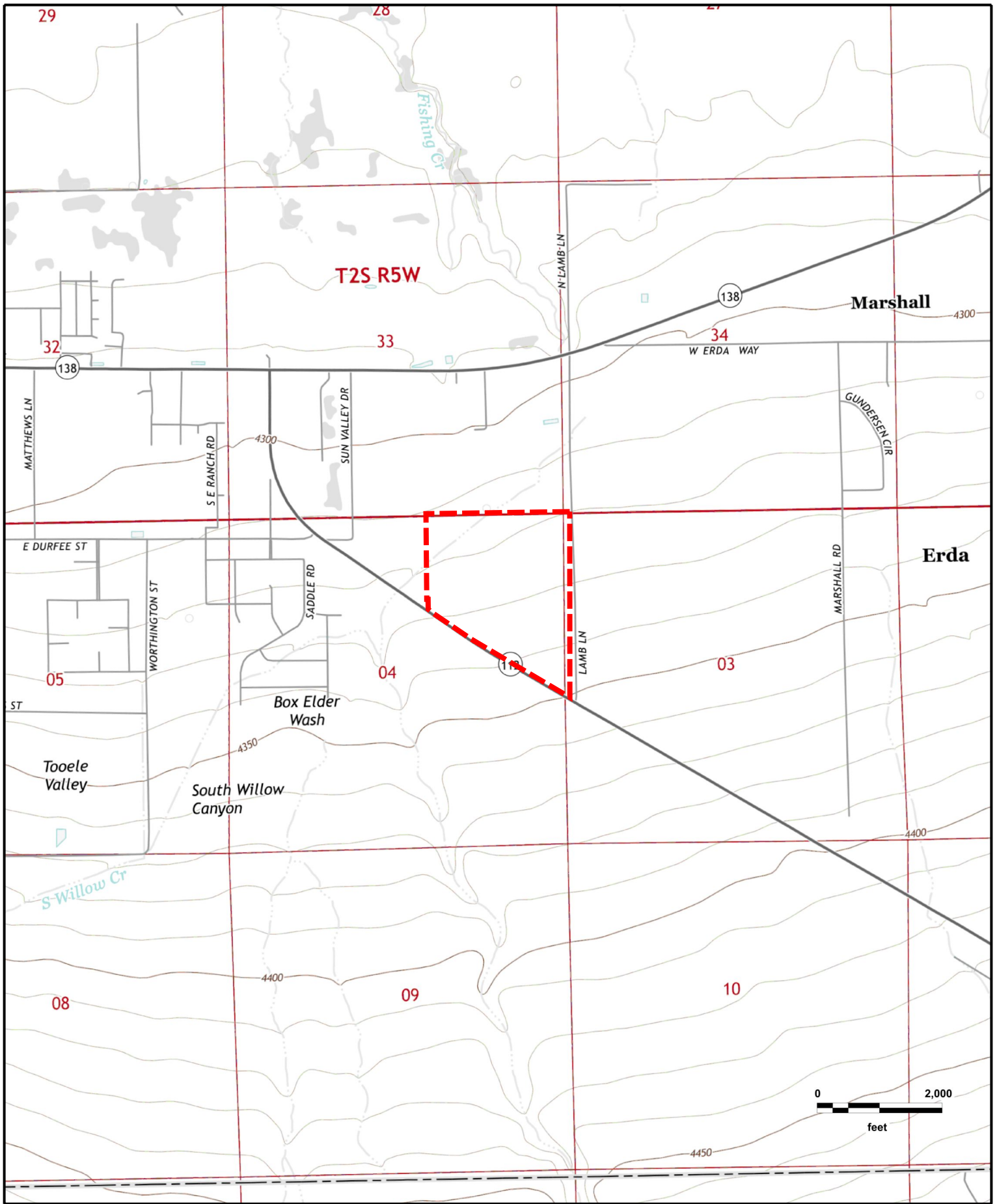
**GRANTSVILLE, UT**

Scale

**1" = 2000'**

**1" = 2000'**

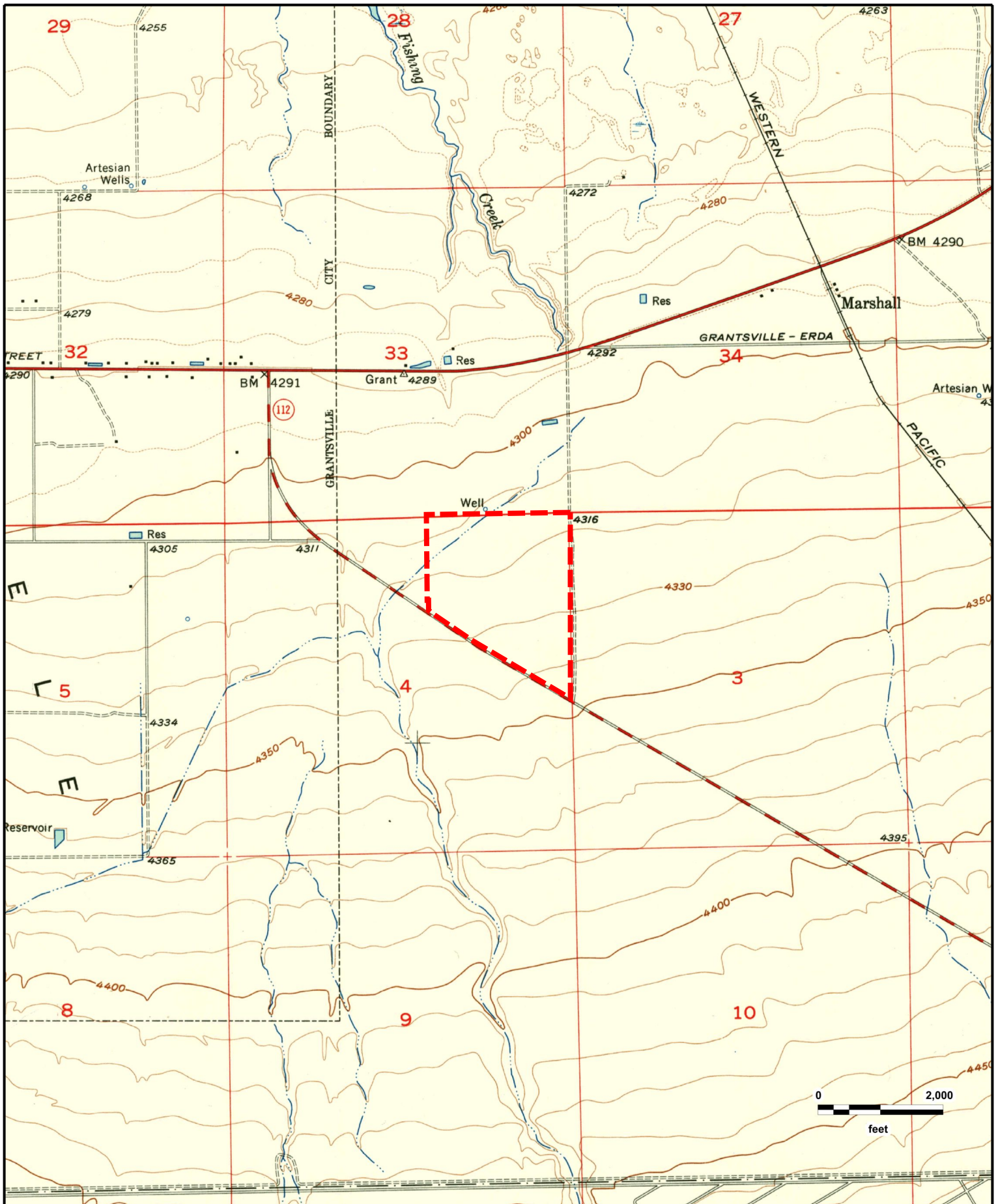
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Grantsville Residential Development  
GRANTSVILLE, UT (2014)

GeoSearch





Grantsville Residential Development  
GRANTSVILLE, UT (1955)

GeoSearch



## **APPENDIX B**

### Owner Interview Questionnaire



**GORDON  
GEOTECHNICAL  
ENGINEERING, INC.**

### Phase I Interview Form

#### SITE DATA

Site Name: Castrigno land  
Property Address: 4778 Ut -112  
City: Grantsville County: Tooele State: Utah Zip: 84096

#### Owner Information

Owner: Allison Strang, Robert Castrigno, Patricia Chapman Phone Number: 8019539317  
Address: 14083 Bonnie Jean Lane Hemmiman UT 84096  
Contact: Allison Strang Phone Number: 8019539317  
Current Occupant: n/a Phone Number: \_\_\_\_\_

Current Property Use: Farming

Past Property Use: General farming

#### General Questions

Under Ground Storage Tanks: Yes No Unknown Interior Exterior

Unknown - unaware of any.

Solid Waste: Yes No Unknown / Interior Exterior

Transformers: Yes No Unknown / Interior Exterior

Drums/Containers: Yes No Unknown / Interior Exterior  
50 Gallon

Odors: Yes No Unknown / Interior Exterior

Above Ground Storage Tanks: Yes No Unknown / Interior Exterior

Wells: Yes No Unknown / Interior Exterior

Asbestos: Yes No Unknown / Interior Exterior

Urea Formaldehyde Insulation: Yes No Unknown / Interior Exterior

Lead Paint: Yes No Unknown / Interior Exterior



Stained Soil/Pavement: Yes No Unknown / Interior Exterior

Stressed Vegetation: Yes No Unknown / Interior Exterior

Pits/Ponds/Lagoons: Yes No Unknown / Interior Exterior

## PREVIOUS ENVIRONMENTAL ACTIVITY

Other Environmental Documentation: n/a

Solid Waste Disposal n/a

Environmental Site Assessment n/a

Hazardous Waste Disposal n/a

Environmental Audit n/a

Waste Water (NPDES) n/a

Permits (discharge, storage for regulated/hazardous materials)

Comments: This is all farm land. No one has occupied this property since Bob and Castagna passed away in 2013. To the best of our knowledge none of these apply but we have not occupied the property. we are not aware of any of these items and the family has owned the property for a very long time.

Name:

Signature: Allison Strang Bob Castagna Pet Chatter

DocuSigned by:

DocuSigned by:

DocuSigned by:

C2E2B071820840D...

41B97A0B702C44D...

48F72286401A4C5...

Date: 11/10/2020 | 6:29 PM MST



## Phase I Interview Form

### SITE DATA

Site Name: Davenport  
Property Address: north side Hwy 112  
City: Grantsville County: Towele State: UTN Zip: 84029

### Owner Information

Owner: Grantsville Property LLC Phone Number: 858 735 3263  
Address: 7002 Via Estrada La Jolla Ca 92037  
Contact: Blake Bruderson Phone Number: 858 735 3263  
Current Occupant: N/A Phone Number: N/A

Current Property Use: Admin/Km

Past Property Use: AG

### General Questions

Under Ground Storage Tanks: Yes No Unknown / Interior Exterior

Solid Waste:    Yes    No    Unknown    /    Interior    Exterior

Transformers:    Yes    No    Unknown    /    Interior    Exterior

Drums/Containers:    Yes    No    Unknown    /    Interior    Exterior  
50 Gallon

Odors:    Yes    No    Unknown    /    Interior    Exterior

Above Ground Storage Tanks:    Yes    No    Unknown    /    Interior    Exterior

Wells:    Yes    No    Unknown    /    Interior    Exterior

Asbestos:    Yes    No    Unknown    /    Interior    Exterior

Urea Formaldehyde Insulation:    Yes    No    Unknown    /    Interior    Exterior

Lead Paint:    Yes    No    Unknown    /    Interior    Exterior



Stained Soil/Pavement: Yes No Unknown / Interior Exterior

Stressed Vegetation: Yes No Unknown / Interior Exterior

Pits/Ponds/Lagoons: Yes No Unknown / Interior Exterior

### PREVIOUS ENVIRONMENTAL ACTIVITY

Other Environmental Documentation: none to my knowledge Solid Waste Disposal unknown

Environmental Site Assessment unknown Hazardous Waste Disposal unknown

Environmental Audit unknown Waste Water (NPDES) unknown

Permits (discharge, storage for regulated/hazardous materials) unknown

Comments: \_\_\_\_\_

Name:

Blayne Braderen

Signature:

[Signature]

Date:

11/2/2020

## **APPENDIX C**

The GeoSearch Radius Report



On time. On target. In touch.™

---

## ***Radius Report***

---

[GeoLens by GeoSearch](#)

*Target Property:*

***Grantsville Residential Development***

***1055 UT-112***

***Tooele, Tooele County, Utah 84029***

*Prepared For:*

***Gordon Geotechnical***

***Order #: 156396***

***Job #: 380685***

***Project #: 439-014-20***

***Date: 10/28/2020***



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<i>Zip Report</i> . . . . .	See Attachment

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## Disclaimer

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

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## Target Property Summary

### **Target Property Information**

*Grantsville Residential Development*

*1055 UT-112*

*Tooele, Utah 84029*

#### **Coordinates**

*Area centroid (-112.41235, 40.5901471)*

*4,327 feet above sea level*

#### **USGS Quadrangle**

*Grantsville, UT*

### **Geographic Coverage Information**

**County/Parish:** Tooele (UT)

**ZipCode(s):**

Grantsville UT: 84029

Tooele UT: 84074



## Database Summary

### **FEDERAL LISTING**

#### **Standard Environmental Records**

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
EMERGENCY RESPONSE NOTIFICATION SYSTEM	<a href="#">ERNSUT</a>	0	0	TP/AP
FEDERAL ENGINEERING INSTITUTIONAL CONTROL SITES	<a href="#">EC</a>	0	0	TP/AP
LAND USE CONTROL INFORMATION SYSTEM	<a href="#">LUCIS</a>	0	0	TP/AP
RCRA SITES WITH CONTROLS	<a href="#">RCRASC</a>	0	0	TP/AP
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR	<a href="#">RCRAGR08</a>	0	0	0.1250
RESOURCE CONSERVATION & RECOVERY ACT - NON-GENERATOR	<a href="#">RCRANGR08</a>	0	0	0.1250
BROWNFIELDS MANAGEMENT SYSTEM	<a href="#">BF</a>	0	0	0.5000
DELISTED NATIONAL PRIORITIES LIST	<a href="#">DNPL</a>	0	0	0.5000
NO LONGER REGULATED RCRA NON-CORRACTS TSD FACILITIES	<a href="#">NLRRCRAT</a>	0	0	0.5000
RESOURCE CONSERVATION & RECOVERY ACT - NON-CORRACTS TREATMENT, STORAGE & DISPOSAL FACILITIES	<a href="#">RCRAT</a>	0	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM	<a href="#">SEMS</a>	0	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM ARCHIVED SITE INVENTORY	<a href="#">SEMSARCH</a>	0	0	0.5000
NATIONAL PRIORITIES LIST	<a href="#">NPL</a>	0	0	1.0000
NO LONGER REGULATED RCRA CORRECTIVE ACTION FACILITIES	<a href="#">NLRRCRAC</a>	0	0	1.0000
PROPOSED NATIONAL PRIORITIES LIST	<a href="#">PNPL</a>	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION FACILITIES	<a href="#">RCRAC</a>	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - SUBJECT TO CORRECTIVE ACTION FACILITIES	<a href="#">RCRASUBC</a>	0	0	1.0000
SUB-TOTAL		0	0	

#### **Additional Environmental Records**

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
AEROMETRIC INFORMATION RETRIEVAL SYSTEM / AIR FACILITY SUBSYSTEM	<a href="#">AIRSAFS</a>	0	0	TP/AP
BIENNIAL REPORTING SYSTEM	<a href="#">BRS</a>	0	0	TP/AP
CERCLIS LIENS	<a href="#">SFLIENS</a>	0	0	TP/AP
CLANDESTINE DRUG LABORATORY LOCATIONS	<a href="#">CDL</a>	0	0	TP/AP
EPA DOCKET DATA	<a href="#">DOCKETS</a>	0	0	TP/AP
ENFORCEMENT AND COMPLIANCE HISTORY INFORMATION	<a href="#">ECHOR08</a>	0	0	TP/AP
FACILITY REGISTRY SYSTEM	<a href="#">ERSUT</a>	0	0	TP/AP

## Database Summary

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	<a href="#">HMIRSR08</a>	0	0	TP/AP
HAZARDOUS WASTE COMPLIANCE DOCKET FACILITIES	<a href="#">HWCD</a>	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM (FORMERLY DOCKETS)	<a href="#">ICIS</a>	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	<a href="#">ICISNPDES</a>	0	0	TP/AP
MATERIAL LICENSING TRACKING SYSTEM	<a href="#">MLTS</a>	0	0	TP/AP
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	<a href="#">NPDESR08</a>	0	0	TP/AP
PCB ACTIVITY DATABASE SYSTEM	<a href="#">PADS</a>	0	0	TP/AP
PERMIT COMPLIANCE SYSTEM	<a href="#">PCSR08</a>	0	0	TP/AP
SEMS LIEN ON PROPERTY	<a href="#">SEMSLIENS</a>	0	0	TP/AP
SSEHRI PFAS CONTAMINATION SITES	<a href="#">SSEHRIPFAS</a>	0	0	TP/AP
SECTION SEVEN TRACKING SYSTEM	<a href="#">SSTS</a>	0	0	TP/AP
TOXIC SUBSTANCE CONTROL ACT INVENTORY	<a href="#">TSCA</a>	0	0	TP/AP
TOXICS RELEASE INVENTORY	<a href="#">TRI</a>	0	0	TP/AP
ALTERNATIVE FUELING STATIONS	<a href="#">ALTFUELS</a>	0	0	0.2500
FEMA OWNED STORAGE TANKS	<a href="#">FEMAUST</a>	0	0	0.2500
HISTORICAL GAS STATIONS	<a href="#">HISTPST</a>	0	0	0.2500
INTEGRATED COMPLIANCE INFORMATION SYSTEM DRYCLEANERS	<a href="#">ICISCLEANERS</a>	0	0	0.2500
MINE SAFETY AND HEALTH ADMINISTRATION MASTER INDEX FILE	<a href="#">MSHA</a>	0	0	0.2500
MINERAL RESOURCE DATA SYSTEM	<a href="#">MRDS</a>	0	0	0.2500
OPEN DUMP INVENTORY	<a href="#">ODI</a>	0	0	0.5000
SURFACE MINING CONTROL AND RECLAMATION ACT SITES	<a href="#">SMCRA</a>	0	0	0.5000
URANIUM MILL TAILINGS RADIATION CONTROL ACT SITES	<a href="#">USUMTRCA</a>	0	0	0.5000
DEPARTMENT OF DEFENSE SITES	<a href="#">DOD</a>	0	0	1.0000
FORMER MILITARY NIKE MISSILE SITES	<a href="#">NMS</a>	0	0	1.0000
FORMERLY USED DEFENSE SITES	<a href="#">FUDS</a>	0	0	1.0000
FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM	<a href="#">FUSRAP</a>	0	0	1.0000
RECORD OF DECISION SYSTEM	<a href="#">RODS</a>	0	0	1.0000
SUB-TOTAL		0	0	

## Database Summary

### STATE (UT) LISTING

#### Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
INSTITUTIONAL ENGINEERING CONTROLS REGISTRY	<a href="#">ICEC</a>	0	0	TP/AP
REGISTERED UNDERGROUND STORAGE TANKS	<a href="#">RUST</a>	0	0	0.2500
BROWNFIELD PROPERTIES	<a href="#">BF</a>	0	0	0.5000
CERCLIS SITES	<a href="#">CERCLIS</a>	0	0	0.5000
LANDFILL AND SOLID WASTE DISPOSAL SITES	<a href="#">LFSWDS</a>	0	0	0.5000
LEAKING UNDERGROUND STORAGE TANKS	<a href="#">LUST</a>	0	0	0.5000
VOLUNTARY CLEANUP PROGRAM SITES	<a href="#">VCP</a>	0	0	0.5000
NATIONAL PRIORITIES LIST	<a href="#">NPL</a>	0	0	1.0000

SUB-TOTAL		0	0	
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#### Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
SPILLS LISTING	<a href="#">SPILLS</a>	0	0	TP/AP
TIER II FACILITIES	<a href="#">TIERII</a>	0	0	TP/AP

SUB-TOTAL		0	0	
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## Database Summary

### **TRIBAL LISTING**

#### **Standard Environmental Records**

<b>Database</b>	<b>Acronym</b>	<b>Locatable</b>	<b>Unlocatable</b>	<b>Search Radius (miles)</b>
UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	<a href="#">USTR08</a>	0	0	0.2500
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	<a href="#">LUSTR08</a>	0	0	0.5000
OPEN DUMP INVENTORY ON TRIBAL LANDS	<a href="#">ODINDIAN</a>	0	0	0.5000

SUB-TOTAL		0	0	
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#### **Additional Environmental Records**

<b>Database</b>	<b>Acronym</b>	<b>Locatable</b>	<b>Unlocatable</b>	<b>Search Radius (miles)</b>
INDIAN RESERVATIONS	<a href="#">INDIANRES</a>	0	0	1.0000

SUB-TOTAL		0	0	
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TOTAL		0	0	
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## Database Radius Summary

### **FEDERAL LISTING**

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
AIRSAFS	0.0200	0	NS	NS	NS	NS	NS	0
BRS	0.0200	0	NS	NS	NS	NS	NS	0
CDL	0.0200	0	NS	NS	NS	NS	NS	0
DOCKETS	0.0200	0	NS	NS	NS	NS	NS	0
<b>EC</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
ECHOR08	0.0200	0	NS	NS	NS	NS	NS	0
<b>ERNSUT</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
FRSUT	0.0200	0	NS	NS	NS	NS	NS	0
HMIRSR08	0.0200	0	NS	NS	NS	NS	NS	0
HWCD	0.0200	0	NS	NS	NS	NS	NS	0
ICIS	0.0200	0	NS	NS	NS	NS	NS	0
ICISNPDES	0.0200	0	NS	NS	NS	NS	NS	0
<b>LUCIS</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
MLTS	0.0200	0	NS	NS	NS	NS	NS	0
NPDES08	0.0200	0	NS	NS	NS	NS	NS	0
PADS	0.0200	0	NS	NS	NS	NS	NS	0
PCSR08	0.0200	0	NS	NS	NS	NS	NS	0
<b>RCRASC</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
SEMSLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SFLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SSEHRIPFAS	0.0200	0	NS	NS	NS	NS	NS	0
SSTS	0.0200	0	NS	NS	NS	NS	NS	0
TRI	0.0200	0	NS	NS	NS	NS	NS	0
TSCA	0.0200	0	NS	NS	NS	NS	NS	0
<b>RCRAGR08</b>	<b>0.1250</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>RCRANGR08</b>	<b>0.1250</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
ALTFUELS	0.2500	0	0	0	NS	NS	NS	0
FEMAUST	0.2500	0	0	0	NS	NS	NS	0
HISTPST	0.2500	0	0	0	NS	NS	NS	0
ICISCLEANERS	0.2500	0	0	0	NS	NS	NS	0
MRDS	0.2500	0	0	0	NS	NS	NS	0
MSHA	0.2500	0	0	0	NS	NS	NS	0
<b>BF</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>DNPL</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>NLRRCRAT</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>

## Database Radius Summary

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
ODI	0.5000	0	0	0	0	NS	NS	0
<b>RCRAT</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>SEMS</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>SEMSARCH</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
SMCRA	0.5000	0	0	0	0	NS	NS	0
USUMTRCA	0.5000	0	0	0	0	NS	NS	0
DOD	1.0000	0	0	0	0	0	NS	0
FUDS	1.0000	0	0	0	0	0	NS	0
FUSRAP	1.0000	0	0	0	0	0	NS	0
<b>NLRRCRAC</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
NMS	1.0000	0	0	0	0	0	NS	0
<b>NPL</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
<b>PNPL</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
<b>RCRAC</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
<b>RCRASUBC</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
RODS	1.0000	0	0	0	0	0	NS	0
<b>SUB-TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



## Database Radius Summary

### STATE (UT) LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
ICEC	0.0200	0	NS	NS	NS	NS	NS	0
SPILLS	0.0200	0	NS	NS	NS	NS	NS	0
TIERII	0.0200	0	NS	NS	NS	NS	NS	0
RUST	0.2500	0	0	0	NS	NS	NS	0
BF	0.5000	0	0	0	0	NS	NS	0
CERCLIS	0.5000	0	0	0	0	NS	NS	0
LFSWDS	0.5000	0	0	0	0	NS	NS	0
LUST	0.5000	0	0	0	0	NS	NS	0
VCP	0.5000	0	0	0	0	NS	NS	0
NPL	1.0000	0	0	0	0	0	NS	0
SUB-TOTAL		0	0	0	0	0	0	0

## Database Radius Summary

### **TRIBAL LISTING**

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
<b>USTR08</b>	<b>0.2500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>LUSTR08</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>ODINDIAN</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>INDIANRES</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>

<b>SUB-TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
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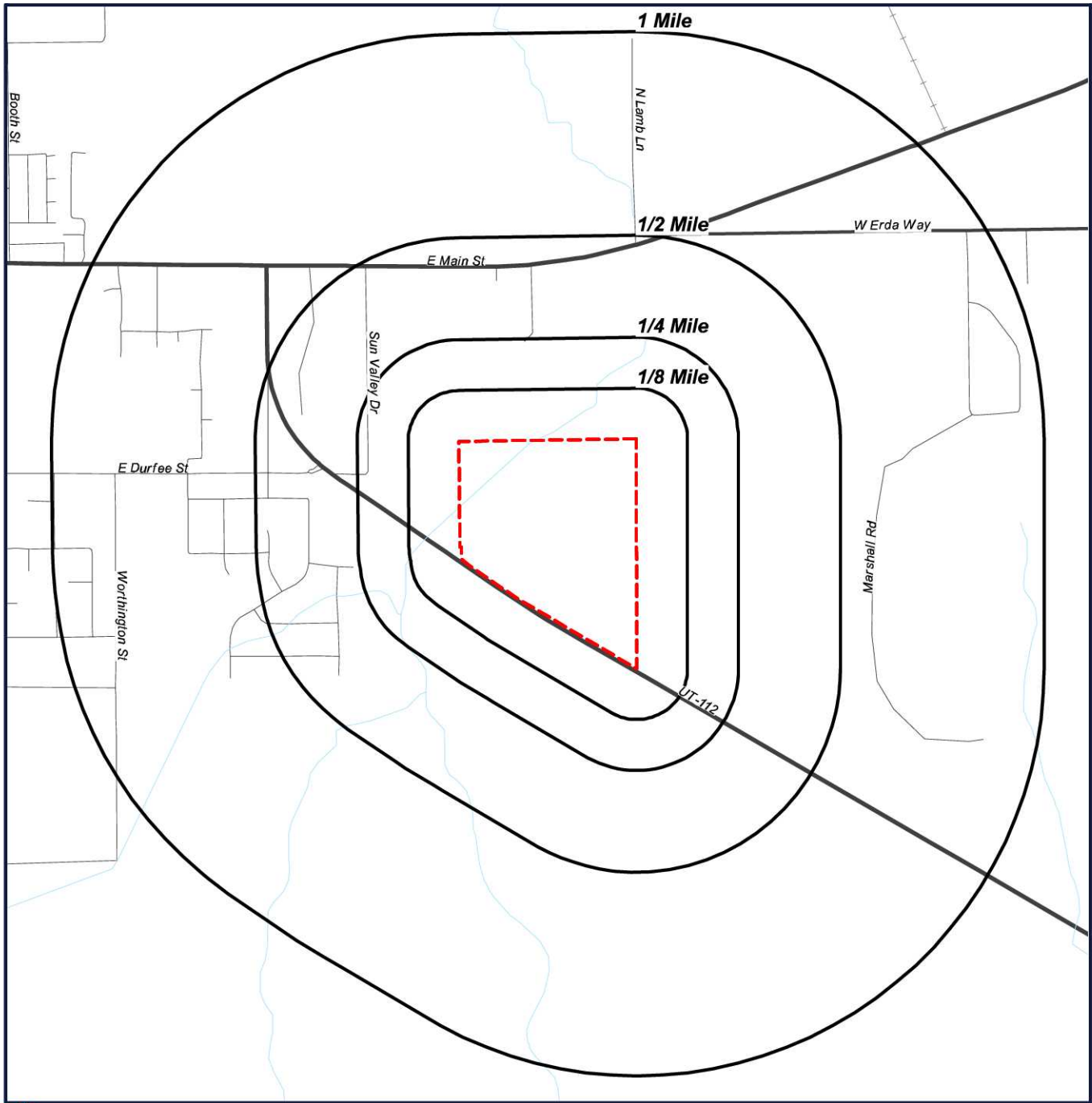
<b>TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
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**NOTES:**

**NS = NOT SEARCHED**

**TP/AP = TARGET PROPERTY/ADJACENT PROPERTY**

# Radius Map 1



 Target Property (TP)

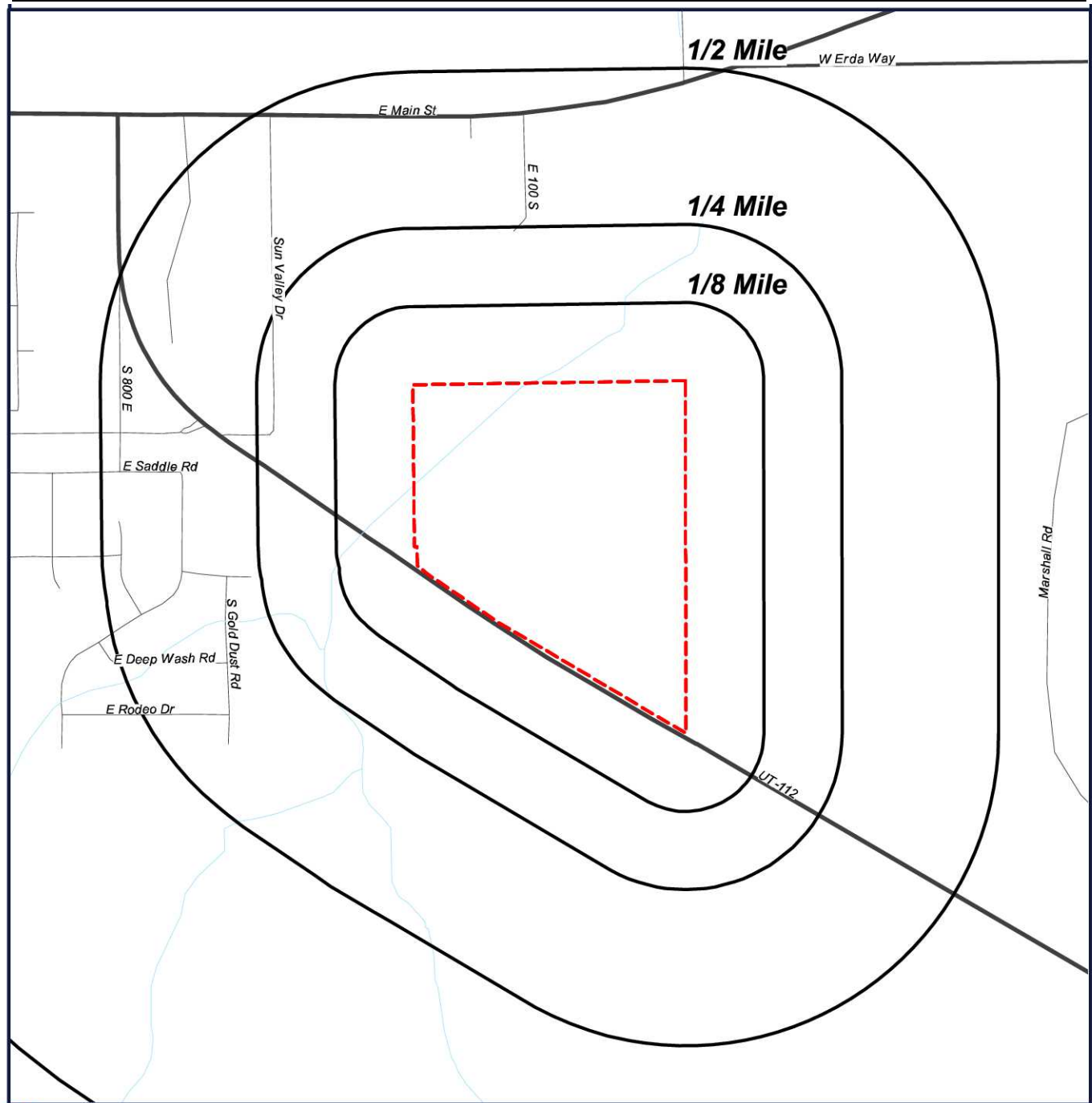
**Grantsville Residential  
Development  
1055 UT-112  
Tooele, Utah  
84029**



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



## Radius Map 2



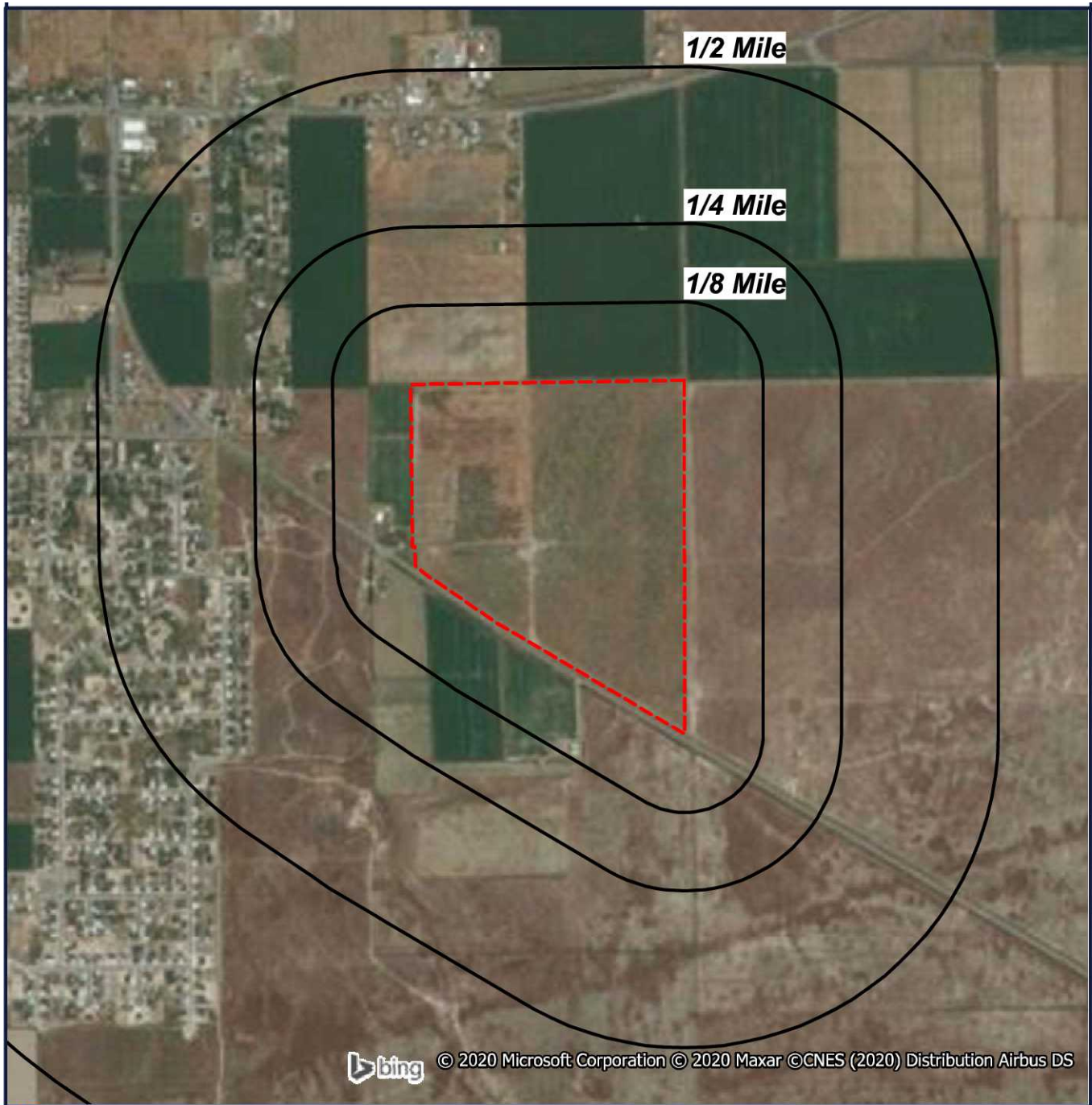
 Target Property (TP)

**Grantsville Residential  
Development  
1055 UT-112  
Tooele, Utah  
84029**



0' 650' 1300' 1950'  
SCALE: 1" = 1300'

## Ortho Map



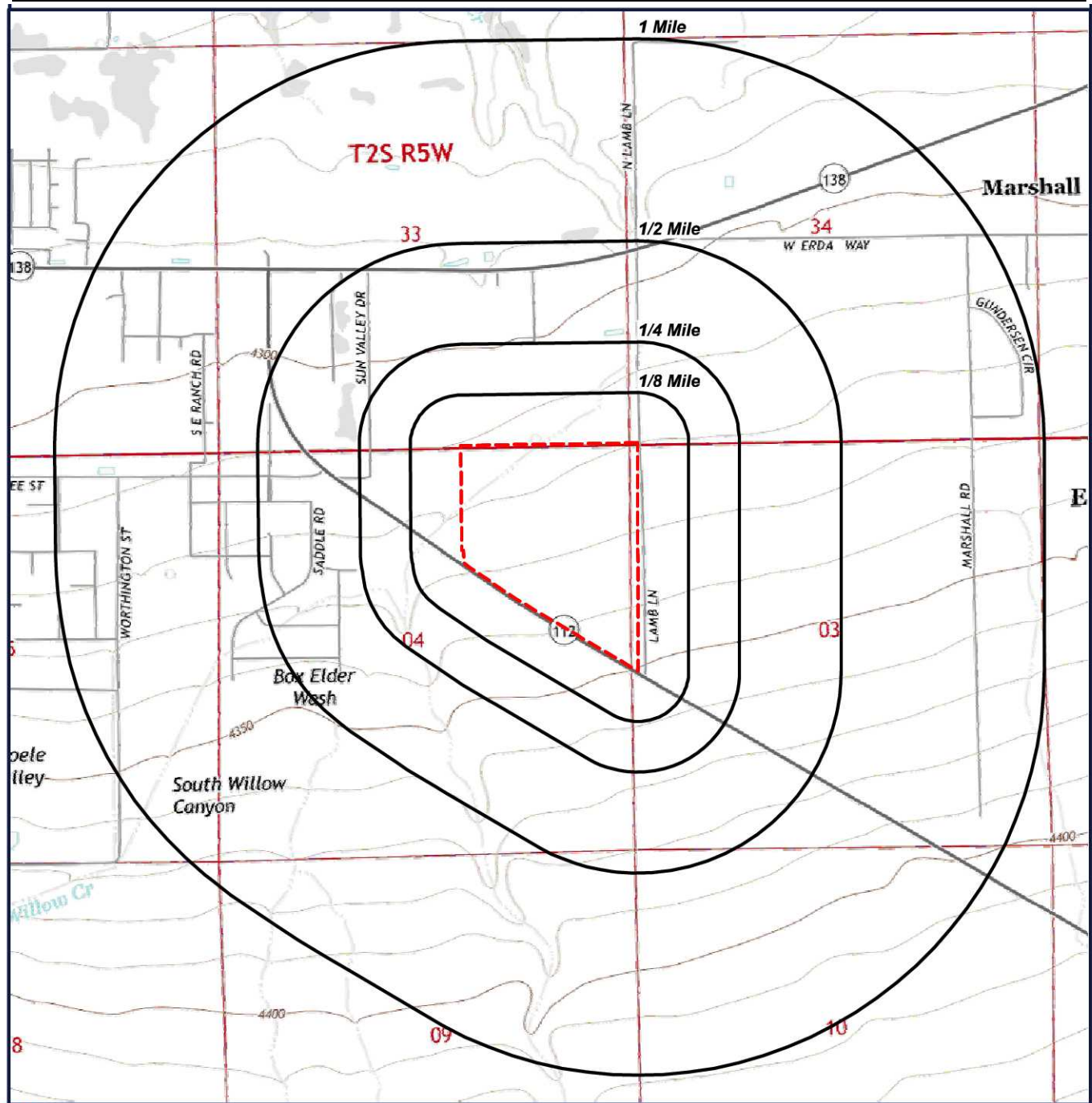
 Target Property (TP)

**Quadrangle(s):**  
**Grantsville**  
**Grantsville Residential**  
**Development**  
**1055 UT-112**  
**Tooele, Utah**  
**84029**



0' 650' 1300' 1950'  
SCALE: 1" = 1300'

# Topographic Map



 Target Property (TP)

**Quadrangle(s):**  
Grantsville  
**Source:** USGS,  
02/05/2014  
**Grantsville Residential**  
**Development**  
1055 UT-112  
Tooele, Utah  
84029



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



## ***Located Sites Summary***

*No Records Found.*

## Site Summary By Database

*No Records Found.*

## ***Elevation Summary***

*Elevations are collected from the USGS 3D Elevation Program 1/3 arc-second (approximately 10 meters) layer hosted at the NGTOC. .*

**Target Property Elevation: 4327 ft.**

*NOTE: Standard environmental records are displayed in **bold**.*

***No Records Found.***



## ***Unlocated Sites Summary***

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

*No Records Found*

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

### **AIRSAFS**

Aerometric Information Retrieval System / Air Facility Subsystem

VERSION DATE: 10/20/14

The United States Environmental Protection Agency (EPA) modified the Aerometric Information Retrieval System (AIRS) to a database that exclusively tracks the compliance of stationary sources of air pollution with EPA regulations: the Air Facility Subsystem (AFS). Since this change in 2001, the management of the AIRS/AFS database was assigned to EPA's Office of Enforcement and Compliance Assurance. Enforcement and Compliance History Online (ECHO) Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014, the EPA retired this system for Clean Air Act stationary sources.

### **ALTFUELS**

Alternative Fueling Stations

VERSION DATE: 04/30/20

Nationwide list of alternative fueling stations made available by the U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Bio-diesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE).

### **BF**

Brownfields Management System

VERSION DATE: 10/08/20

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. The United States Environmental Protection Agency maintains this database to track activities in the various brown field grant programs including grantee assessment, site cleanup and site redevelopment. This database included tribal brownfield sites.

### **BRS**

Biennial Reporting System

VERSION DATE: 12/31/15

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

### **CDL**

Clandestine Drug Laboratory Locations

VERSION DATE: 06/17/20

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

The U.S. Department of Justice ("the Department") provides this information as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments. The Department does not establish, implement, enforce, or certify compliance with clean-up or remediation standards for contaminated sites; the public should contact a state or local health department or environmental protection agency for that information.

**DNPL** Delisted National Priorities List

VERSION DATE: 09/21/20

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

**DOCKETS** EPA Docket Data

VERSION DATE: 12/22/05

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

**DOD** Department of Defense Sites

VERSION DATE: 12/01/14

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

**EC** Federal Engineering Institutional Control Sites

VERSION DATE: 08/26/20

This database includes site locations where Engineering and/or Institutional Controls have been identified as part of a selected remedy for the site as defined by United States Environmental Protection Agency official remedy decision documents. The data displays remedy component information for Superfund decision documents issued in fiscal years 1982-2017, and it includes final and deleted NPL sites as well as sites with a Superfund Alternative Approach (SAA) agreement in place. The only sites included that are not on the NPL, proposed for NPL, or removed from proposed NPL, are those with an SAA Agreement in place. A site listing does not indicate that the institutional and engineering controls are currently in place nor will be in place once the remedy is complete; it only indicates that the decision to include either of them in the remedy is documented as of the completed date of the document. Institutional controls are actions, such as legal controls, that help minimize the



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

potential for human exposure to contamination by ensuring appropriate land or resource use. Engineering controls include caps, barriers, or other device engineering to prevent access, exposure, or continued migration of contamination.

**ECHOR08** Enforcement and Compliance History Information

VERSION DATE: 05/30/20

The U.S. Environmental Protection Agency's Enforcement and Compliance History Online (ECHO) database, provides compliance and enforcement information for facilities nationwide. This database includes facilities regulated as Clean Air Act stationary sources, Clean Water Act direct dischargers, Resource Conservation and Recovery Act hazardous waste handlers, Safe Drinking Water Act public water systems along with other data, such as Toxics Release Inventory releases.

**ERNSUT** Emergency Response Notification System

VERSION DATE: 09/27/20

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

**FEMAUST** FEMA Owned Storage Tanks

VERSION DATE: 12/01/16

This is a listing of FEMA owned underground and aboveground storage tank sites. For security reasons, address information is not released to the public according to the U.S. Department of Homeland Security.

**FRSUT** Facility Registry System

VERSION DATE: 04/05/20

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

**FUDS** Formerly Used Defense Sites

VERSION DATE: 12/31/18

The Formerly Used Defense Sites (FUDS) inventory includes properties previously owned by or leased to the United States and under Secretary of Defense Jurisdiction, as well as Munitions Response Areas (MRAs). The remediation of these properties is the responsibility of the Department of Defense. This data is provided by the U.S. Army Corps of Engineers (USACE), the boundaries/polygon data are based on preliminary findings and not

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

all properties currently have polygon data available. **DISCLAIMER:** This data represents the results of data collection/processing for a specific USACE activity and is in no way to be considered comprehensive or to be used in any legal or official capacity as presented on this site. While the USACE has made a reasonable effort to insure the accuracy of the maps and associated data, it should be explicitly noted that USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein. For additional information on Formerly Used Defense Sites please contact the USACE Public Affairs Office at (202) 528-4285.

### **FUSRAP**

Formerly Utilized Sites Remedial Action Program

VERSION DATE: 03/04/17

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

### **HISTPST**

Historical Gas Stations

VERSION DATE: NR

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

### **HMIRS08**

Hazardous Materials Incident Reporting System

VERSION DATE: 05/20/20

The HMIRS database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation located in EPA Region 8. This region includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

### **HWCD**

Hazardous Waste Compliance Docket Facilities

VERSION DATE: 04/29/20

This list of the Federal Agency Hazardous Waste Compliance Docket Facilities is maintained by the United States Environmental Protection Agency (EPA). According to the EPA, Section 120(c) of CERCLA requires EPA to establish a listing, known as the Federal Facility Hazardous Waste Compliance Docket (Docket), of Federal facilities which are managing or have managed hazardous waste; or have had a release of hazardous waste. Thus, the Docket identifies all Federal facilities that must be evaluated to determine whether they pose a risk to human health and the environment and it makes this information available to the public. In order for the Docket to remain current and accurate it requires periodic updating.

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

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

VERSION DATE: 09/19/20

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

**ICISCLEANERS** Integrated Compliance Information System Drycleaners

VERSION DATE: 09/19/20

This is a listing of drycleaner facilities from the Integrated Compliance Information System (ICIS). The U.S. Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments. The following Primary SIC Codes are included in this data: 7211, 7212, 7213, 7215, 7216, 7217, 7218, and/or 7219; the following Primary NAICS Codes are included in this data: 812320, 812331, and/or 812332.

**ICISNPDES** Integrated Compliance Information System National Pollutant Discharge Elimination System

VERSION DATE: 04/26/20

Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. This database is provided by the U.S. Environmental Protection Agency.

**LUCIS** Land Use Control Information System

VERSION DATE: 09/01/06

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

**MLTS** Material Licensing Tracking System

VERSION DATE: 06/29/17

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to the United States Nuclear Regulatory Commission (NRC) licensing requirements. Disclaimer: Due to agency regulations and policies, this database contains applicant/licensee location information which may or may not be related to the physical location per MLTS site.



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

**MRDS** Mineral Resource Data System

VERSION DATE: 03/15/16

MRDS (Mineral Resource Data System) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps. A few updates last occurred 2015 and early 2016 for select mine site area/s.

**MSHA** Mine Safety and Health Administration Master Index File

VERSION DATE: 08/07/20

The Mine dataset lists all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970. It includes such information as the current status of each mine (Active, Abandoned, NonProducing, etc.), the current owner and operating company, commodity codes and physical attributes of the mine. Mine ID is the unique key for this data. This information is provided by the United States Department of Labor - Mine Safety and Health Administration (MSHA).

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

VERSION DATE: 09/14/20

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

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

VERSION DATE: 09/14/20

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

**NMS** Former Military Nike Missile Sites

VERSION DATE: 12/01/84

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline,

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heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

**NPDES08** National Pollutant Discharge Elimination System

VERSION DATE: 04/01/07

Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. The NPDES database was collected from the U.S. Environmental Protection Agency (EPA) from December 2002 through April 2007. Refer to the ICIS and/or ICIS-NPDES database as source of current data. This database includes permitted facilities located in EPA Region 8. This region includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

**NPL** National Priorities List

VERSION DATE: 09/21/20

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

**ODI** Open Dump Inventory

VERSION DATE: 06/01/85

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

**PADS** PCB Activity Database System

VERSION DATE: 10/09/19

PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of Polychlorinated Biphenyls (PCB) who are required to notify the U.S. Environmental Protection Agency of such activities.

**PCSR08** Permit Compliance System

VERSION DATE: 08/01/12

The historic Permit Compliance System tracked enforcement status and permit compliance of facilities controlled

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by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act. This database includes permitted facilities located in EPA Region 8 states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming. This system has since been modernized by United States Environmental Protection Agency and is now integrated into the Integrated Compliance Information System (ICIS). Please refer to the ICIS database as the current source for this data.

**PNPL** Proposed National Priorities List

VERSION DATE: 09/21/20

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

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

VERSION DATE: 09/14/20

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities with corrective action activity.

**RCRAGR08** Resource Conservation & Recovery Act - Generator

VERSION DATE: 09/14/20

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities currently generating hazardous waste. EPA Region 8 includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

**RCRANGR08** Resource Conservation & Recovery Act - Non-Generator

VERSION DATE: 09/14/20

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities classified as non-generators. Non-Generators do not presently generate hazardous waste. EPA



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Region 8 includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

### **RCRASC** RCRA Sites with Controls

VERSION DATE: 08/04/20

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities with institutional controls in place.

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

VERSION DATE: 09/14/20

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities subject to corrective actions.

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

VERSION DATE: 09/14/20

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities recognized as hazardous waste treatment, storage, and disposal sites (TSD).

### **RODS** Record of Decision System

VERSION DATE: 09/21/20

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

### **SEMS** Superfund Enterprise Management System

VERSION DATE: 09/21/20

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The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs.

### **SEMSARCH**

Superfund Enterprise Management System Archived Site Inventory

VERSION DATE: 09/21/20

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System Archived Site Inventory (List 8R Archived) replaced the CERCLIS NFRAP reporting system in 2015. This listing reflects sites at which the EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program.

### **SEMSLIENS**

SEMS Lien on Property

VERSION DATE: 06/22/20

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs. This is a listing of SEMS sites with a lien on the property.

### **SFLIENS**

CERCLIS Liens

VERSION DATE: 06/08/12

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which United States Environmental Protection Agency has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties. This database contains those CERCLIS sites where the Lien on Property action is complete. Please refer to the SEMSLIENS database as source of current data.

### **SMCRA**

Surface Mining Control and Reclamation Act Sites

VERSION DATE: 06/24/20

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those

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problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

### **SSEHRIPFAS**

SSEHRI PFAS Contamination Sites

VERSION DATE: 12/12/19

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Please access the following source link for the most current information: <https://pfasproject.com/pfas-contamination-site-tracker/>

### **SSTS**

Section Seven Tracking System

VERSION DATE: 08/04/20

The United States Environmental Protection Agency tracks information on pesticide establishments through the Section Seven Tracking System (SSTS). SSTS records the registration of new establishments and records pesticide production at each establishment. The Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) requires that production of pesticides or devices be conducted in a registered pesticide-producing or device-producing establishment. "Production" includes formulation, packaging, repackaging, and relabeling. For this database, the Product Information is only available for establishments up through 2014 or prior years, product details are no longer released by the EPA within the current SSTS non-Confidential Business Information data.

### **TRI**

Toxics Release Inventory

VERSION DATE: 12/31/18

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

### **TSCA**

Toxic Substance Control Act Inventory

VERSION DATE: 12/31/16

The Toxic Substances Control Act (TSCA) was enacted in 1976 to ensure that chemicals manufactured,



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imported, processed, or distributed in commerce, or used or disposed of in the United States do not pose any unreasonable risks to human health or the environment. TSCA section 8(b) provides the United States Environmental Protection Agency (EPA) authority to "compile, keep current, and publish a list of each chemical substance that is manufactured or processed in the United States." This TSCA Chemical Substance Inventory contains non-confidential information on the production amount of toxic chemicals from each manufacturer and importer site. The EPA has collected Chemical Data Reporting (CDR) data since in 1986 (as Inventory Update Reporting). Collections occur approximately every four years and reporting requirements changed from collection to collection.

### **USUMTRCA**

Uranium Mill Tailings Radiation Control Act Sites

VERSION DATE: 03/04/17

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

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

**BF** Brownfield Properties

VERSION DATE: 09/17/20

This database of brownfields (targeted) and other brownfield (non-targeted) properties is maintained by the Utah Department of Environmental Quality's Division of Environmental Response and Remediation (DERR). Sites are extracted from the Utah Environmental Interactive Map. The DERR assumes no responsibility or liability for the accuracy of the location of these properties.

**CERCLIS** CERCLIS Sites

VERSION DATE: 09/17/20

This database of Comprehensive Environmental Response, Compensation, and Liability System sites is maintained by the Utah Department of Environmental Quality's Division of Environmental Response and Remediation (DERR). The CERCLA Branch of the DERR performs site investigations of potentially contaminated sites within the State of Utah to determine whether or not they pose a threat to human health and the environment and should be included on the Federal Superfund National Priorities List. Sites are extracted from the Utah Environmental Interactive Map. The DERR assumes no responsibility or liability for the accuracy of the location of these properties.

**ICEC** Institutional Engineering Controls Registry

VERSION DATE: 06/10/20

This list of institutional/engineering controls is maintained by the Utah Department of Environmental Quality (DEQ). This list is a compilation of four lists: 1) UST Branch: Facilities with Environmental Institutional Controls; 2) CERCLA Branch: Superfund Environmental Covenants; 3) CERCLA Branch: Voluntary Cleanup Program: Certificate of Completion; 4) CERCLA Branch: Voluntary Cleanup Program: Environmental Covenant. The DEQ is required to maintain a record of the properties subject to environmental covenants/institutional controls established under Utah Code, Title 19, Chapter 10. This lists Leaking Underground Storage Tank sites, CERCLA/Superfund Branch Sites, and Voluntary Cleanup sites that have environmental controls established under this statute and pursuant to Utah Code Ann. §§ 57-25-101 et seq and controls established prior to the enactment of this statute. The controls have been recorded by the owner of the real property in the county recorder's office in the county where the real property is located.

**LFSWDS** Landfill and Solid Waste Disposal Sites

VERSION DATE: 10/19/20

This list of permitted solid waste facilities is maintained by the Utah Department of Environmental Quality Solid Waste Program. The Solid Waste Program administers permitting and compliance programs for non-hazardous solid waste treatment, storage and disposal facilities throughout the State.

**LUST** Leaking Underground Storage Tanks

VERSION DATE: 08/19/20

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

This list of leaking underground storage tanks (LUST) is provided by the Utah Department of Environmental Quality Division of Environmental Response & Remediation Underground Storage Tanks Branch. The Leaking Underground Storage Tank section oversees remediation of contamination from USTs.

**NPL** National Priorities List

VERSION DATE: 09/17/20

The National Priorities List (NPL) is maintained by the Utah Department of Environmental Quality's Division of Environmental Response and Remediation (DERR). Before a cleanup of a hazardous waste site can take place under Superfund, it must be included on the National Priority List. The NPL is a published list of hazardous waste sites that are eligible for extensive, long-term cleanup action under the Superfund program. When no responsible party can be found, listing on the NPL allows EPA and the State to access the Superfund Trust fund to pay for site cleanup. Sites are extracted from the Utah Environmental Interactive Map. The DERR assumes no responsibility or liability for the accuracy of the location of these properties.

**RUST** Registered Underground Storage Tanks

VERSION DATE: 08/19/20

This is a compilation of two statewide lists of open and closed underground storage tanks managed by the Utah Department of Environmental Quality Division of Environmental Response & Remediation. The first list is obtained from the Underground Storage Tanks (UST) Program. The UST Program staff oversees: UST notification, installation, inspection, removal, and compliance with State and Federal UST regulations concerning release prevention and remediation. The second list is obtained from the Division of Environmental Response & Remediation's FACILITYUST geodatabase.

**SPILLS** Spills Listing

VERSION DATE: 10/13/20

This list of environmental incidents is maintained by the Utah Department of Environmental Quality. Data also includes chemical spilled and media impacted.

**TIERII** Tier II Facilities

VERSION DATE: 08/20/20

This list is a compilation of two Tier II databases. The first database is maintained by the Utah Department of Environmental Quality (DEQ) Division of Environmental Response and Remediation (DERR). The second database is maintained by the Utah Automated Geographic Reference Center (AGRC), containing locations of Tier II facilities under the Emergency Planning and Community Right-to-Know Act (EPCRA). Qualifying facilities report on hazardous and toxic chemicals and are labeled either tier I or tier II. Locations are based on coordinates derived from maps and GPS data. These locations represent sites, not contaminated areas.



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

### **VCP**

Voluntary Cleanup Program Sites

VERSION DATE: 09/17/20

This list of Voluntary Cleanup Program sites is maintained by the Utah Department of Environmental Quality's Division of Environmental Response and Remediation (DERR). In 1997, the Utah Voluntary Cleanup Program (VCP) was created to promote the voluntary cleanup of contaminated sites. The VCP is intended to encourage redevelopment of Brownfields and other impacted sites by providing a streamlined cleanup program. This database also includes some Voluntary Cleanup information from the Utah Automated Geographic Reference Center (AGRC) for informational purposes. Locations are based on coordinates derived from maps and GPS data. The DERR assumes no responsibility or liability for the accuracy of the location of these facilities.

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

### **INDIANRES**

Indian Reservations

VERSION DATE: 09/27/17

This database is extracted from select geographic and cartographic information from the U.S. Census Bureau. The Bureau of Indian Affairs (BIA) within the U.S. Department of the Interior (DOI) provides the list of federally recognized tribes. The American Indian/Alaska Native/Native Hawaiian (AIANNH) Areas includes the following legal entities: federally recognized American Indian reservations and off-reservation trust land areas, state-recognized American Indian reservations, and Hawaiian home lands (HHLs). The boundaries for federally recognized American Indian reservations and off-reservation trust lands are as of January 2017. The boundaries for state-recognized American Indian reservations and for state designated tribal statistical areas were delineated by state governor-appointed liaisons for the 2010 Census through the State American Indian Reservation Program and Tribal Statistical Areas Program respectively.

### **LUSTR08**

Leaking Underground Storage Tanks On Tribal Lands

VERSION DATE: 04/14/20

This database, provided by the United States Environmental Protection Agency (EPA), contains leaking underground storage tanks on Tribal lands located in EPA Region 8. This region includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

### **ODINDIAN**

Open Dump Inventory on Tribal Lands

VERSION DATE: 11/08/06

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

### **USTR08**

Underground Storage Tanks On Tribal Lands

VERSION DATE: 04/14/20

This database, provided by the United States Environmental Protection Agency (EPA), contains underground storage tanks on Tribal lands located in EPA Region 8. This region includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.