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Phase I Environmental Site Assessment
4.401-Acre Lease Area
Proposed Eagle Substation
Northwest Corner (NWC) Jomax Road and 67th Avenue
Peoria, Arizona 85383

Submitted To:

Ms. Michelle Turgeon
Consultant, Environmental Field Operations
Arizona Public Service Co.
Mail Station 3871, P.O. Box 53933
Phoenix, Arizona 85072-3933
and;
Arizona State Land Department
1616 W. Adams Street
Phoenix, Arizona 85007

Submitted By:

Bender Environmental Consulting, Inc.
1929 East Myrna Lane
Tempe, Arizona 85284

July 8, 2020

BEC Job No. J200401
Site Visit Conducted on April 14, 2020

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Environmental Professional Statement

I declare that, to the best of our professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

REGISTERED GEOLOGIST
CERTIFICATE NO. 26762
GARY A. BENDER
Date Signed 7-8-20
ARIZONA U.S.A.
Expires 3/31/23

Kelly C Bender

Gary A. Bender, R.G.
VP, Senior Geologist

Kelly C. Bender, M.S.
President

TABLE OF CONTENTS

Page

EXECUTIVE SUMMARY v

1.0 INTRODUCTION 1
- 1.1 Purpose 1
- 1.2 Scope of Services 1
- 1.3 Definitions 2
- 1.4 Limitations and Exceptions 3
- 1.5 Special Terms and Conditions 5
- 1.6 User Reliance 5

2.0 SITE DESCRIPTION 6
- 2.1 Location and Legal Description 6
- 2.2 Current Property Use and General Property Description 6
- 2.3 Property Utilities 7
- 2.4 Adjoining Property Use 7
- 2.5 Area Use 8

3.0 USER PROVIDED INFORMATION 8
- 3.1 Title Records 8
- 3.2 Environmental Liens or Activity and Use Limitations 8
- 3.3 Specialized Knowledge and Degree of Obviousness 8
- 3.4 Commonly Known or Reasonably Ascertainable Information 9
- 3.5 Valuation Reduction for Environmental Issues 9
- 3.6 Owner and Knowledgeable Parties Information 9
- 3.7 Reason for Performing Phase I ESA 9

4.0 SITE RECONNAISSANCE AND INTERVIEWS 9
- 4.1 Exterior Observations 9
  - 4.1.1 Storage Tanks 10
  - 4.1.2 Hazardous/Regulated Materials Use, Storage and Disposal 10
  - 4.1.3 Solid Waste Storage and Disposal 10
  - 4.1.4 Chemical Use and Storage 10
  - 4.1.5 Electrical Transformers 11
  - 4.1.6 Wells 11
  - 4.1.7 Dry Wells/Storm Drains 11
  - 4.1.8 Sumps 11
  - 4.1.9 Pits/Ponds/Lagoons/Pools of Liquid 11
  - 4.1.10 Surface Staining/Corrosion/Unusual Odors 12
  - 4.1.11 Stressed Vegetation 12

4.1.12 Wastewater 12
4.1.13 Storm Water 12
4.2 Interior Observations 12
4.3 Interviews 12
4.3.1 User Interview 12
4.3.2 Key Site Manager Interview 12
4.3.3 Other Interviews 13

5.0 PAST USE(S) OF PROPERTY 13
5.1 Previous Property Uses 13
5.2 City Directory Review 13
5.3 Topographic Map Review 13
5.4 Aerial Photographic Review 14
5.5 Sanborn Map Review 15
5.6 Historical Chain-of-Title 15
5.7 Fire Department 16
5.8 County Tax Assessor and Recorders Office 16
5.9 Planning and Zoning Department 16
5.10 Building Permits and Records 16
5.11 City Water Department 17
5.12 Previous Investigations Review 17

6.0 RECORDS REVIEW 18
6.1 Federal Agency Databases/Records 18
6.1.1 National Priorities List and Proposed National Priorities List 18
6.1.2 Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) 18
6.1.3 CERCLIS - No Further Remedial Action Planned (NFRAP) 18
6.1.4 Resource Conservation and Recovery Act (RCRA) Corrective Action Sites List 19
6.1.5 Treatment, Storage & Disposal Facilities (TSD) 19
6.1.6 RCRA Hazardous Waste Generators 19
6.1.7 Emergency Response Notification System (ERNS) 20
6.1.8 Other Federal Databases 20
6.2 State Agency Databases/Records 21
6.2.1 Superfund Program List (SPL) 21
6.2.2 State Hazardous Waste Sites List (SHWS) 22
6.2.3 Solid Waste Facilities/Land Fills (SWF/LF) 22
6.2.4 Underground Storage Tank (UST) List 22
6.2.5 Leaking Underground Storage Tank (LUST) List 22
6.2.6 Indian UST 23
6.2.7 Aboveground Storage Tanks (AST) 23
6.2.8 Hazardous Material Logbook 23
6.2.9 Waste Water Treatment Facilities (WWFAC) 23
6.2.10 Dry Well Registry 23

6.2.11 Arizona Airs Database 23
6.2.12 Brownfields and Voluntary Remediation Program (VRP) Databases 23
6.2.13 Activity and Use Limitations (AULs) 24
6.2.14 Aquifer Protection Permit 24
6.2.15 Manifest Database 25
6.2.16 Drycleaners Facility Listings 25
6.2.17 Groundwater Well Registry 25
6.3 Physiographic Setting 25
6.3.1 Surface Topography and Drainage 25
6.3.2 Regional Geology 26
6.3.3 Regional Hydrogeology 26

7.0 SITE SAMPLING 27

8.0 ENVIRONMENTAL PERMITS 27

9.0 VAPOR INTRUSION POTENTIAL AND OUT-OF-SCOPE CONSIDERATIONS 27

10.0 DEVIATIONS FROM ASTM STANDARD AND DATA GAPS 27

11.0 FINDINGS AND OPINIONS 28

12.0 RECOMMENDATIONS 29

13.0 REFERENCES 29
13.1 Agencies and Offices 29
13.2 Reports and Publications 30

14.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS 30

LIST OF FIGURES

FIGURE 1 PROPERTY VICINITY MAP
FIGURE 2 PROPERTY MAP
FIGURE 3 AERIAL PHOTOGRAPH (2018)

PHOTOGRAPHIC LOG

LIST OF APPENDICES

APPENDIX A CLIENT-SUPPLIED INFORMATION, USER QUESTIONNAIRE
APPENDIX B HISTORICAL TITLE SEARCH (ALLANDS)
APPENDIX C REGULATORY DATABASE INFORMATION
APPENDIX D ADWR WELL REGISTRY AND ONE MILE RADIUS WELL MAP

EXECUTIVE SUMMARY

Bender Environmental Consulting, Inc. (BEC) has performed a Phase I Environmental Site Assessment (ESA) of a Property defined as an approximately 4.401-acre Property consisting of a portion of Maricopa County Assessor's parcel number (APN) 201-29-381. The irregularly-shaped Property consists of two Arizona State Land Department (ASLD) Applications; 014-1205478-00-100 and 014-120579-00-100.

It is our understanding that APS plans to purchase the Property as described above and develop the Property as the WO6 Eagle Substation, and wishes to establish baseline environmental conditions. ***APS and ASLD may rely on the findings of this report.***

The Phase I ESA was conducted in general accordance with the scope and limitations of the ASTM Standard of Practice E 1527-13 and meets the requirements of the "All Appropriate Inquiry" Final Rule (40 CFR, Part 312). BEC's proposal for the Phase I ESA was dated April 8, 2020 and was authorized by APS on April 13, 2020 (APS Purchase Order No. 700759967).

Purpose

Ms. Michelle Turgeon, Consultant, Environmental Field Operations, Arizona Public Service Co. (APS) indicated that the Property is being purchased by APS. The Phase I ESA is being conducted for due diligence to document current site environmental conditions and to qualify for landowner liability protection (LLP) to CERCLA liability.

Site Description

The Property consists of an approximate 4.401-acre, irregularly-shaped area, at the northwest corner of Jomax Road and 67th Avenue, Peoria, Arizona. The eastern side of the Property is dominated by a series of fill piles which stretch from the northeast corner of the Property, nearly to the southeast corner. The fill piles extend a total of about 300 feet north/south, and range from 40 to 80 feet wide (east/west). The fill piles appear to be mostly soil, gravel, or rock, or mixtures of these materials. There are several piles of asphalt millings at the northeast corner of the Property, and a pile of asphalt near the southeast corner. A pile of floor tile debris was present close to the northeast corner, consisting of both ceramic floor tile and vinyl floor tile debris. A large trash bag with some flooring-related packaging debris was located along the east central portion of the fill piles, along with an area where a cement truck had conducted a cleanout.

The southwest corner of the Property appears to include a portion of a recently constructed drainage basin, with a rock-filled wire "gabion" for erosion control. The drainage feature discharges to the west, through a culvert under a driveway. The south side of the basin is bounded by a retaining wall. A small elongated retention basin (10X15') is present about 50 feet east of the drainage basin, and it may have a drain that discharges via underground piping to the drainage basin. No drain was observed, however, it may have been covered with sediments.

The remainder of the Property is relatively undisturbed desert with typical Sonoran Desert vegetation (cacti, small trees, grasses, etc.). There is one dirt road that leaves from Jomax Road and crosses the Property and continues off the Property to the northwest. Numerous other paths lead off this dirt road, and extend throughout the Property. A small disturbed area was present near the northwest corner of the Property, possibly where a cactus had been removed. In addition, there was a small pile of debris (broken ceramic plates) near the north central portion of the Property

The Property generally slopes to the southwest, and there is a single well-defined drainage which crosses the Property, and ends at the small drainage feature east of the drainage basin. There are graded strips along the south and east sides of the Property, next to the adjoining paved roads. A small stretch of barbed wire fence is present extending from near the southeast corner of the Property to the west, approximately 100 feet. The remainder of the Property is open to surrounding properties.

Other than the previously described materials dumped on the Property, no visual evidence of improper waste disposal or other indications of adverse environmental conditions were observed by BEC on the Property. None of the materials dumped on the Property appears to be a *Recognized Environmental Condition*, which would warrant additional investigations.

Historical Uses

Based on the evaluation of reasonably ascertainable historical resources, the Property appears to have been undeveloped desert land since the earliest available historical resource, a 1949 aerial photograph. A small construction yard was present at the southeast corner of the Property in 2001-2002. A dirt road was developed through the Property in 2006, from Jomax Road, and trending to the northwest off the Property. Some piles of fill material began to be dumped on the east margin of the Property in 2008, with additional piles of fill material added through the current timeframe.

Regulatory Listings

The Property is not listed by any environmental regulatory database. There are no regulated facilities within the ASTM-designated radii from the Property.

Groundwater Conditions

The static depth to regional groundwater within the project area is reported to include depths of 262 and 451 feet below ground surface (bgs) based on the closest well data available from Hammett and Herther (1995). These wells are over two miles from the Property and not necessarily indicative of conditions at the Property. Regional groundwater flow direction is estimated to be to the south (Hammett and Herther, 1995).

Previous Assessments

BEC was provided with a previous environmental site assessment report for a larger area that included the subject Property. This Phase I ESA was conducted by ProTeX The PT Experts, LLC (and dated January 7, 2020) on behalf of Shea Homes Limited Partnership (Shea Homes) for a “Site” consisting of a 250-acre portion of APN 201-29-381. The 4.401-acre subject

Property currently being assessed by BEC is located in the extreme southeast corner of the area assessed by ProTeX.

The land was described as a combination of partially developed (graded) land and undeveloped desert land. The inspection found no indication of any environmental concerns such as hazardous substances, storage tanks, PCBs, solid waste disposal other than *de minimis* materials on the east border of the Site, wells, septic systems, drainage systems, or other conditions of concern.

ProTeX concluded that "This ESA has revealed no Recognized Environmental Conditions (RECS), no historical RECs, no controlled RECs, and no potential for vapor migration issues in relation to the Site."

User Questionnaire and Interviews

For purposes of this Phase I ESA, the User Questionnaire was completed by Steven P. Murray, Sr. Land Agent for Arizona Public Service Co. Mr. Murray completed the Questionnaire on April 28, 2020. He had no knowledge of past uses of the Property and to his knowledge there have been no spills, chemical storage, or fire department responses to the subject Property.

BEC interviewed Ms. Gloria Nichols (Right of Way Project Leader, Arizona State Land Department) by telephone on April 30, 2020 regarding the Property. She was not aware of any environmental issues, and there were no previous uses of the Property and no spills, or Fire Department responses.

Findings

This report was prepared by an Environmental Professional (EP) in general accordance with the ASTM Standard Practice E 1527-13. Based on the site reconnaissance and research conducted during the course of this Phase I ESA, **no *de minimis* condition was observed.**

No historical recognized environmental conditions (RECs) or controlled RECs were identified.

This assessment has revealed **no evidence of *recognized environmental conditions* in connection with the Property.**

Based on the results of this Phase I ESA, **BEC recommends that no further investigations be conducted** for evaluating *recognized environmental conditions* in connection with the Property.

In regards to the floor tile debris, BEC recommends that the debris be sampled by an experienced asbestos contractor to determine if the debris contains asbestos that might require disposal as something other than solid waste or construction debris.

1.0 INTRODUCTION

This Phase I Environmental Site Assessment (ESA) report was prepared by Bender Environmental Consulting, Inc. (BEC) for Ms. Michelle Turgeon, Consultant, Environmental Field Operations, Arizona Public Service Co (APS).

The approximately 4.401-acre Property consists of a portion of Maricopa County Assessor's parcel number (APN) 201-29-381. The irregularly-shaped Property consists of two Arizona State Land Department (ASLD) Applications; 014-1205478-00-100 and 014-120579-00-100.

It is our understanding that APS plans to purchase the Property as described above and develop the Property as the WO6 Eagle Substation, and wishes to establish baseline environmental conditions. ***APS and ASLD may rely on the findings of this report.***

1.1 Purpose

The purpose of this Phase I ESA is to identify, to the extent feasible, recognized environmental conditions as defined by the American Society for Testing and Materials (ASTM) Standard Practice E 1527-13 in connection with past or current uses of the Property. Completion of this report is intended to permit the user to satisfy one of the requirements to qualify for the innocent landowner defense to Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability.

1.2 Scope of Services

Preliminary project details were provided by Ms. Michelle Turgeon, Consultant, Environmental Field Operations, Arizona Public Service Co (APS) to Mr. Gary A. Bender, R.G. of BEC on April 7, 2020. BEC's scope of services consisted of the following activities:

- Review of certain federal and state regulatory agency databases for the Property and up to a one-mile radius around the Property, as specified by the ASTM E 1527-13 Standard of Practice.
- Request that a historical title search be conducted for the Property, and review the findings.
- Contact various city or county agencies for environmental information pertaining to the Property.
- Conduct a site reconnaissance to evaluate current Property conditions and note visual evidence of recognized environmental conditions.
- Conduct a visual reconnaissance of properties within 1/2-mile of the Property.
- Prepare a report of findings.

This report presents BEC's field observations, findings and conclusions. These report components meet or exceed the level of care and technical competency currently practiced by Environmental Professionals for projects of a similar scope. The summary of findings and conclusions in this report are subject to modification if subsequent information is developed by BEC or any other party. This report has been prepared in accordance with the limitations presented in Section 1.4.

1.3 Definitions

For the purpose of this Phase I ESA the following terms are referred to in the report and are defined by ASTM E 1527-13:

- *Property* – The approximately 4.401-acre Property consists of a portion of Maricopa County Assessor's parcel number (APN) 201-29-381. The irregularly-shaped Property consists of two Arizona State Land Department (ASLD) Applications; 014-1205478-00-100 and 014-120579-00-100.

- *Project Area* - Refers to an approximate 1/2-mile radius around the Property.

- *Adjoining Properties* - Any real property or properties, the border of which is contiguous with that of the Property, or that would otherwise be contiguous with the Property, but for a street, road, or other public thoroughfare separating them.

- *Environmental Professional* – A person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b). Persons who do not qualify as an Environmental Professional may assist in the conduct of all appropriate inquires if such person is under the supervision or responsible charge of a person meeting the definition of an Environmental Professional.

- *User* – The party seeking to use Practice E 1527-13 to complete an environmental site assessment of the Property. The User has specific obligations for completing a successful application of the practice (e.g. completion of a User Questionnaire, identification of AULs, any specialized knowledge or experience, reasons for significantly lower purchase price, and reasons for performing the Phase I ESA).

- *Activity and Use Limitation (AUL)* – Legal or physical restrictions limitations on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or ground water on the Property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment.

- *De minimis condition* - a condition that generally does not present a threat to human health or the *environment* and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions

determined to be *de minimis conditions* are not *recognized environmental conditions* nor *controlled recognized environmental conditions*.

- *Recognized Environmental Condition* - The term recognized environmental condition means the presence or likely presence of any *hazardous substances* or *petroleum products* in, on, or at a *property*: (*1*) due to release to the environment; (*2*) under conditions indicative of a *release* to the *environment*; or (*3*) under conditions that pose a *material threat* of a future *release* to the *environment*. *De minimis conditions* are not *recognized environmental conditions*.

- *Controlled Recognized Environmental Condition* - 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 (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with *hazardous substances* or *petroleum products* allowed to remain in place subject to the implementation of required controls (for example, *property* use restrictions, *activity and use limitations*, *institutional controls*, or *engineering controls*).

- *Historical Recognized Environmental Condition* - The term historical recognized environmental condition means 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*, *institutional controls*, or *engineering controls*).

- *Groundwater Flow Direction* - The shallow groundwater (*i.e.*, nearest to the ground surface) flow direction is based on topographic maps, surface water conditions in the project area, public documents, and/or interviews with knowledgeable people. BEC did not make any quantitative assessment of groundwater flow as part of this assessment. Notwithstanding, with regard to subsequent references to upgradient, crossgradient or downgradient locations relative to the Property, BEC has assumed a southern direction of groundwater flow beneath the project area.

- *Key Site Manager* - The person identified by the owner of the Property with having good knowledge of the uses and physical characteristics of the Property. For purposes of this report, Ms. Gloria Nichols (Right of Way Project Leader, State Land Department) is considered the Key Site Manager.

1.4 Limitations and Exceptions

BEC's site assessment was performed in general accordance with the ASTM E 1527-13 Standard of Practice. BEC observed the degree of care and skill generally exercised by other consultants under similar circumstances and conditions. BEC's findings and conclusions should not be considered as scientific certainties, but rather as our professional opinion

concerning the significance of the limited data gathered during the course of the environmental site assessment. No other warranty, expressed or implied, is made. Specifically, BEC does not, and cannot, represent that the Property contains no hazardous material, petroleum products, or other latent condition beyond that observed by BEC during its site assessment. Additional information regarding subsurface conditions can be obtained by traditional subsurface exploration techniques and the collection of soil and/or groundwater samples for chemical analysis. BEC cannot render a more definitive opinion regarding the impact from on-site activities without conducting subsurface explorations and chemical analyses of soil and groundwater samples obtained from the Property. This report is also subject to the following specific limitations:

1. The observations described in this report were made under the conditions stated herein. The conditions presented in the report were based solely upon the services described herein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by APS.

2. BEC has relied on certain information provided by federal, state, and local officials, and other parties referenced herein, and on information contained in the files of federal, state, and/or local agencies available to BEC at the time of the site assessment. Although there may have been some degree of overlap in the information provided by these various sources, BEC did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.

3. In the event that counsel or title examiner for APS obtains information on environmental or hazardous waste issues at the Property not contained in this report, such information shall be brought to BEC's attention forthwith. BEC will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.

4. Observations were made of the Property and/or structures on the Property as indicated within this report. Where access to portions of the Property or direct observation of structures on the Property was unavailable or limited, BEC renders no opinion as to the presence of hazardous materials or petroleum products, or to the presence of indirect evidence relating to hazardous material or petroleum products, in that portion of the Property or structure. In addition, BEC renders no opinion as to the presence of hazardous material or petroleum products, or to the presence of indirect evidence relating to hazardous material or petroleum products, where direct observation of the interior walls, floor, or ceiling of a structure on a Property was obstructed by objects or coverings on or over these surfaces.

5. Unless otherwise specified in this report, BEC did not perform testing or analyses to determine the presence or concentration of asbestos or PCBs at the Property or in the environment at the Property.

6. The purpose of this report was to assess the physical characteristics of the Property with respect to the presence in the environment of hazardous material or petroleum products. No specific attempt was made to check on the compliance of present or past

owners or operators of the Property with federal, state, or local laws and regulations, environmental or otherwise.

7. The focus of the Property evaluation was to evaluate the Property and recognize environmental conditions resulting from past or current uses of the Property. As a result, this evaluation does not address the presence of the following conditions unless they were the express concerns of contacted personnel, report and literature authors, or the work scope:

   - Naturally-occurring toxic or hazardous substances in the subsurface soils and water.
   - Toxicity of substances common in current habitable environments, such as stored household products, building materials, and consumables.
   - Contaminants or contaminant concentrations that are not a concern now, but may be under future regulatory standards.
   - Occupational health and safety.

8. Any sampling program conducted during the course of the project was designed to be representative of the conditions present at the time of sampling. The sample points were selected according to guidelines described in EPA Field Manual SW-846. The results from representative sampling program are not a guarantee as to the presence, or lack thereof, of the constituents of concern. Additionally, extrapolating results between sample points may not accurately reflect actual Property conditions.

9. Where quantitative laboratory testing/analyses performed as part of the Property assessment have been conducted by an outside laboratory, BEC has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these data.

1.5 Special Terms and Conditions

The Phase I ESA was conducted in general accordance with the scope and limitations of the ASTM Standard of Practice E 1527-13 and meets the requirements of the “All Appropriate Inquiry” Final Rule (40 CFR, Part 312). BEC’s proposal for the Phase I ESA was dated April 8, 2020 and was authorized by APS on April 13, 2020 (APS Purchase Order No. 700759967).

1.6 User Reliance

BEC's services have been completed in agreement with our contracted understanding with our Client (APS). This study and report have been prepared on behalf of, and for the exclusive use of our Client (unless otherwise stated below), solely for their use in an environmental assessment of the Property. This report and the findings contained herein shall not, in whole or in part, be relied upon nor used by any other party in whole or in part, without the prior written consent of BEC and our Client and any additional relying parties.

APS and ASLD may rely on the findings of this report.

2.0 SITE DESCRIPTION

The following information was obtained during BEC's site reconnaissance and from interviews with people knowledgeable about the Property. Photographs depicting Property conditions at the time of BEC's assessment are presented in the Photographic Log Section of this report. BEC's site reconnaissance was conducted on April 14, 2020 by BEC representative Gary Bender, R.G.

2.1 Location and Legal Description

A Vicinity Map is presented as Figure 1. The approximately 4.401-acre Property consists of a portion of Maricopa County Assessor's parcel number (APN) 201-29-381. The irregularly-shaped Property consists of two Arizona State Land Department (ASLD) Applications; 014-1205478-00-100 and 014-120579-00-100. The Property is located at the northwest corner of Jomax Road and 67th Avenue, in Peoria, Arizona. There is no address currently assigned to the Property.

The Property is located in the southeast quarter of the southeast quarter of the southeast quarter of Section 36, Township 5 North, Range 1 East of the Gila and Salt River Base and Meridian as shown on the United States Geological Survey (USGS) 7.5-minute series topographic map entitled "Hedgpeth Hills, Arizona" Quadrangle, dated 1978, and photorevised 1982 (Figure 1).

2.2 Current Property Use and General Property Description

The Property consists of an approximate 4.401-acre, irregularly-shaped area, at the northwest corner of Jomax Road and 67th Avenue, Peoria, Arizona. The eastern side of the Property is dominated by a series of fill piles which stretch from the northeast corner of the Property, nearly to the southeast corner. The fill piles extend a total of about 300 feet north/south, and range from 40 to 80 feet wide (east/west). The fill piles appear to be mostly soil, gravel, or rock, or mixtures of these materials. There are several piles of asphalt millings at the northeast corner of the Property, and a pile of asphalt near the southeast corner. A pile of floor tile debris was present close to the northeast corner, consisting of both ceramic floor tile and vinyl floor tile debris. A large trash bag with some flooring-related packaging debris was located along the east central portion of the fill piles, along with an area where a cement truck had conducted a cleanout.

The southwest corner of the Property appears to include a portion of a recently constructed drainage basin, with a rock-filled wire "gabion" for erosion control. The drainage feature discharges to the west, through a culvert under a driveway. The south side of the basin is bounded by a retaining wall. A small elongated retention basin (10X15') is present about 50 feet east of the drainage basin, and it may have a drain that discharges via underground piping to the drainage basin. No drain was observed, however, it may have been covered with sediments.

The remainder of the Property is relatively undisturbed desert with typical Sonoran Desert vegetation (cacti, small trees, grasses, etc.). There is one dirt road that leaves from Jomax Road and crosses the Property and continues off the Property to the northwest. Numerous other paths lead off this dirt road, and extend throughout the Property. A small disturbed area was present near the northwest corner of the Property, possibly where a cactus had been removed. In addition, there was a small pile of debris (broken ceramic plates) near the north central portion of the Property

The Property generally slopes to the southwest, and there is a single well-defined drainage which crosses the Property, and ends at the small drainage feature east of the drainage basin. There are graded strips along the south and east sides of the Property, next to the adjoining paved roads. A small stretch of barbed wire fence is present extending from near the southeast corner of the Property to the west, approximately 100 feet. The remainder of the Property is open to surrounding properties.

Other than the previously described materials dumped on the Property, no visual evidence of improper waste disposal or other indications of adverse environmental conditions were observed by BEC on the Property. None of the materials dumped on the Property appears to be a *Recognized Environmental Condition*, which would warrant additional investigations.

2.3 Property Utilities

There are no indications of utilities currently providing services to the Property. Utilities are present along both Jomax and 67th Avenue and would be readily available to the Property upon development.

2.4 Adjoining Property Use

As part of BEC's site assessment, a visual reconnaissance of the properties adjoining the Property was conducted.

- 67th Avenue is located to the east, followed by the Eagle Highlands North gated community (north), and a storm water retention basin (south).
- Jomax Road is located to the south, followed by storm water drainage areas (east), and single-family residences (central and west).
- Most of the areas to the west side of the Property are undeveloped desert, followed by a subdivision under construction. A storm water drainage basin is located to the west of the southern end of the Property, and discharges through a culvert under an access driveway.

There was no evidence of recognized environmental conditions observed on adjoining properties during the site reconnaissance.

2.5 Area Use

Areas within half a mile to the south and east are developed with subdivisions. The area to the west is currently under development. The land to the north and northwest is undeveloped desert land. There are no commercial buildings or businesses within half a mile.

No visual evidence of improper waste disposal or other indications of adverse environmental conditions were observed by BEC within half a mile of the Property.

3.0 USER PROVIDED INFORMATION

In order to qualify for the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the User is obligated to provide certain information (if available) to the Environmental Professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

For purposes of this Phase I ESA, the User Questionnaire was completed by Steven P. Murray, Sr. Land Agent for Arizona Public Service Co. Mr. Murray completed the Questionnaire on April 28, 2020. A copy of the completed questionnaire is provided in Appendix A, and the responses are summarized in the following sections.

3.1 Title Records

A historical title search was conducted as part of the scope of services for this Phase I ESA. No evidence of any environmental liens on the subject Property parcels was found (see Section 5.7 and Appendix B). A discussion of the Maricopa County Assessor's information is presented in Section 5.8.

3.2 Environmental Liens or Activity and Use Limitations

The Questionnaire response by Mr. Murray indicated that he was not aware of any environmental liens or Activity and Use Limitations (AULs) for the subject Property. There is no indication from sources such as the Envirosite regulatory database report (Appendix C) or the title history (Appendix B) of any environmental liens or AULs assigned to the Property.

3.3 Specialized Knowledge and Degree of Obviousness

Mr. Murray indicated he did not have specialized knowledge or experience regarding the subject Property in his role with APS. Based on his lack of knowledge and experience related to the Property, he knew of no obvious indicators that point to the presence or likely presence of contamination at the Property.

3.4 Commonly Known or Reasonably Ascertainable Information

Mr. Murray had no personal knowledge of chemical use, spills or other releases, or environmental cleanups involving the subject Property. He was not aware of historical uses of the Property.

3.5 Valuation Reduction for Environmental Issues

Mr. Murray indicated that the Property is being acquired at fair market value, and it is not being discounted for environmental issues.

3.6 Owner and Knowledgeable Parties Information

In the User Questionnaire and during telephone/email correspondence, Mr. Murray provided the following information regarding the owner and parties knowledgeable of current and historic uses:

Owner: Arizona State Land Department (ASLD) @ (602) 542-2648
Person with current knowledge: Ms. Gloria Nichols (ASLD) @ (602) 542-2668
Person with historic knowledge: Mr. Ruben Ojeda (ASLD) @ (602) 542-2648

3.7 Reason for Performing Phase I ESA

Mr. Murray indicated that APS is purchasing the Property, and the Phase I ESA is being conducted for due diligence to document current site environmental conditions and to qualify for landowner liability protection (LLP) to CERCLA liability.

4.0 SITE RECONNAISSANCE AND INTERVIEWS

The purpose of BEC's site reconnaissance was to obtain visual information that would indicate the presence of a recognized environmental condition (REC). Mr. Gary Bender, R.G. of BEC, visited the Property on April 14, 2020. Photographs of the Property were taken and appear in the Photographic Log. Observations were documented and additional photographs taken of pertinent features or areas of concern.

Methodologies to observe the Property consisted of walking around the perimeter and through the exterior portions of the Property. There were no limitations to our observation of the exterior surfaces of the Property (e.g. heavy vegetation, etc.). Current uses of adjoining properties (all were observable) were discussed in Section 2.4.

4.1 Exterior Observations

The Property consists of an approximate 4.401-acre, irregularly-shaped area, at the northwest corner of Jomax Road and 67th Avenue, Peoria, Arizona. The eastern side of the Property is dominated by a series of fill piles which stretch from the northeast corner of the Property, nearly to the southeast corner. The southwest corner of the Property appears to include a portion of a

recently constructed drainage basin, with a rock-filled wire “gabion” for erosion control. The remainder of the Property is undeveloped desert, with a dirt road and several dirt trails.

4.1.1 Storage Tanks

During BEC's site reconnaissance, no visual evidence of underground storage tanks (USTs) was observed on the Property (*e.g.*, fill ports, vent pipes, or dispensers). No visual evidence of aboveground storage tanks (ASTs) was observed.

4.1.2 Hazardous/Regulated Materials Use, Storage and Disposal

BEC visually assessed the exterior of the Property for the storage, use or disposal of hazardous and/or other regulated materials. The only potentially regulated materials consisted of a pile of both ceramic floor tile and vinyl floor tile debris, located near the northeast corner of the Property. There is a possibility that the tiles may contain asbestos and would need to be tested and disposed of accordingly.

No other hazardous/regulated materials use, storage and/or disposal were observed on the Property. There were no indications that other hazardous/regulated materials had historically been used, stored and/or disposed at the Property.

4.1.3 Solid Waste Storage and Disposal

The eastern side of the Property is dominated by a series of fill piles which stretch from the north end of the Property, nearly to the southeast corner. The fill piles extend a total of about 300 feet north/south, and range from 40 to 80 feet wide (east/west). The fill piles appear to be mostly soil, gravel, or rock, or mixtures of these materials. There are several piles of asphalt millings at the northeast corner of the Property, and a pile of asphalt near the southeast corner. A pile of tile was present close to the northeast corner, consisting of both ceramic floor tile and vinyl floor tile debris. A large trash bag with some flooring-related packaging debris was located along the east central portion of the fill piles, along with an area where a cement truck had conducted a cleanout.

No other solid waste storage and/or disposal were observed on the Property. There were no indications that solid waste had historically been stored and/or disposed (buried) at the Property other than the fill piles and other dumped materials described above.

4.1.4 Chemical Use and Storage

Exterior areas of the Property were examined for indications of chemical usage or storage. No chemical use or storage was observed on the Property. There were no indications that chemicals have historically been used and/or stored at the Property.

4.1.5 Electrical Transformers

Electrical distribution transformers tend to be of two types; pole-mounted or pad-mounted. Most pole- and pad-mounted transformers are owned and/or maintained by the local power company. Some older electrical distribution transformers may contain a dielectric fluid containing polychlorinated biphenyls (PCBs), which are regulated by the federal EPA. No pole- or pad-mounted transformers were observed on the Property.

4.1.6 Wells

No water wells were observed on the Property. There were no visual indications that wells have historically been located at the Property.

4.1.7 Dry Wells/Storm Drains

A dry well is constructed for the discharge of storm water into the subsurface. Storm drains typically direct storm water to off-site waterways or on-site retention areas. No dry wells or storm drains (other than a possible drain described below) were observed on the Property. There were no indications that dry wells or storm drains have historically been located at the Property.

A small elongated retention basin (10X15') is present about 50 feet east of the drainage basin at the southwest corner of the Property. The small retention basin may have a drain that discharges via underground piping to the drainage basin. No drain was observed, however, it may have been covered with sediments.

4.1.8 Sumps

No sumps were observed on the Property. There were no indications that sumps have historically been located at the Property.

4.1.9 Pits/Ponds/Lagoons/Pools of Liquid

The southwest corner of the Property appears to include a portion of a recently constructed drainage basin, with a rock-filled wire "gabion" for erosion control. The drainage feature discharges to the west, through a culvert under a driveway. The south side of the basin is bounded by a retaining wall. A small elongated retention basin (10X15') is present about 50 feet east of the drainage basin, and may have a drain that discharges via underground piping to the drainage basin. No drain was observed, however, it may have been covered with sediments.

No other pits, ponds, lagoons, or pools of liquid were observed on the Property. There were no indications that pits, ponds, or lagoons have historically been located at the Property.

4.1.10 Surface Staining/Corrosion/Unusual Odors

BEC observed no areas of staining on the Property.

4.1.11 Stressed Vegetation

BEC observed no stressed vegetation on the Property. The Property has typical Sonoran Desert vegetation (cacti, small trees, grasses).

4.1.12 Wastewater

BEC did not observe any processes that generate industrial wastewater on the Property.

4.1.13 Storm Water

The Property generally slopes to the southwest, and there is a single well-defined drainage which crosses the Property, and ends at the small drainage feature east of the drainage basin (as described above in Sections 4.1.7 and 4.1.9).

4.2 Interior Observations

No structures were present on the Property at the time of BEC's visual inspection.

4.3 Interviews

The purpose of interviews is to obtain information indicating recognized environmental conditions in connection with the Property.

4.3.1 User Interview

For purposes of this Phase I ESA, the User Questionnaire was completed by Steven P. Murray, Sr. Land Agent for Arizona Public Service Co. Mr. Murray completed the Questionnaire on April 28, 2020. He had no knowledge of past uses of the Property. To his knowledge there have been no spills, chemical storage or fire department responses to the subject Property. APS had previously provided BEC with a previous Phase I ESA report that was for a larger area that included the subject Property – see Section 5.12.

4.3.2 Key Site Manager Interview

BEC interviewed Ms. Gloria Nichols (Right of Way Project Leader, ASLD) by telephone on April 30, 2020 regarding the Property. She was aware that Shea Homes was acquiring the larger parcel containing the subject Property from the ASLD, and that APS was going to construct a substation and access road on the four-acre portion at the northwest corner of the Jomax and 67th Avenue intersection.

Ms. Nichols was not aware of any environmental issues concerning the Property or the larger parcel (spills, chemical storage, cleanups, etc.) She was not aware of any previous environmental assessment reports regarding the Property. She indicated that an archaeological survey had been completed for the larger parcel containing the Property, along with an appraisal. She also indicated that Mr. Rubin Ojeda (the Right of Way Section Leader for ASLD) was also involved in the project, but she did not think he would have any additional information.

4.3.3 Other Interviews

Ms. Michelle Turgeon (APS, Environmental Consultant, Environmental Field Operations) had contacted BEC about the Property via email and telephone conversations on April 7, 2020. She requested that BEC conduct the Phase I ESA, and she provided the previous Phase I ESA for a larger parcel containing the subject Property (see Section 5.12).

5.0 PAST USE(S) OF PROPERTY

The Property history and land use were evaluated from information provided by the Client as well as library research relating to the Property address, local agencies, historical aerial photographs, historical title search, and topographical maps (as available). BEC has attempted to identify obvious uses of the Property back to the first developed use of the Property, or back to 1940, whichever is earlier. This historical information is documented in the following subsections.

5.1 Previous Property Uses

Based on the evaluation of reasonably ascertainable historical resources, the Property appears to have been undeveloped desert land since the earliest available historical resource, a 1949 aerial photograph. A small construction yard was present at the southeast corner of the Property in 2001-2002. A dirt road was developed through the Property in 2006, from Jomax Road, and trending to the northwest off the Property. Some piles of fill material began to be dumped on the east margin of the Property in 2008, with additional piles of fill material added through the current timeframe.

5.2 City Directory Review

City business directories were not reviewed, since there has never been an address assigned to the Property, and there is no other historical evidence of any development on the Property.

5.3 Topographic Map Review

BEC reviewed the USGS 7.5-minute series topographic map entitled "Hedgpeth Hills, Arizona" Quadrangle, dated 1978, and photorevised 1982 to discern topographic and cultural features at the Property and adjoining properties (Figure 1). The Property is located at an elevation of approximately 1,420 feet above mean sea level (AMSL), sloping down to the southwest. No structures, trails or roads are shown within the Property.

No structures are shown within a half mile of the Property. Jomax Road is shown bordering the south side of the Property and is shown as an unimproved road. 67th Avenue is also shown as an unimproved road, extending to the south from Jomax.

Desert washes are shown at intervals crossing the project area to the southwest, and drain a series of hills located to the northwest (Keefer Hill), north (East Wing Mountain). There are also some hills to the southeast (Ludden Mountain). The New River is present about a mile west of the Property, and runs to the south. Weir Wash is present about a quarter mile east of the Property, and runs to the southwest where it drains into the New River. An unnamed, smaller drainage crosses to the southwest, just east of the Property.

5.4 Aerial Photographic Review

Historical aerial photographs from the Flood Control District of Maricopa County website (www.fcd.maricopa.gov) were reviewed for the years 1949 (earliest available), 1953, 1976, 1982, 1986, 1991, 1993, 1996, 1998, 2000, 2002, 2003, 2004, and then annually from 2006 through 2018. The most recent aerial photograph from Google Earth (August 12, 2019) was also reviewed and is presented as Fig. 3.

1949 (earliest available), 1953, 1976, 1982, 1986, 1991, 1993, and 1996 Aerial Photographs

The Property
The Property is observed to be vacant desert land in 1949 and continuing as vacant desert land through the 1996 photograph. A single dirt trail loops through the west half of the Property by 1986.

Adjacent Property
The adjacent properties in all directions are observed to be undeveloped desert land in the 1949 photograph continuing through 1996. Jomax Road and 67th Avenue (going south from Jomax) are present by 1976 as dirt roads. By 1986, 67th Avenue is extended north of Jomax. By 1991, 67th Avenue (south) and Jomax Road (east) are both paved.

1998, 2000-2004, annually 2006-2019 Aerial Photographs

The Property
The Property has many trails developed by 1998. There is a small construction yard developed at the southeast corner (Jomax and 67th Avenue intersection) in the 2001 photograph, but is gone by 2002. By 2006, there is a new dirt road crossing northwest through the west half of the Property. Several fill piles are present along the east side of the Property by 2008. Fill piles continue to be added along the east side, especially in 2011 through 2014. By 2018, construction has been started for the west adjoining subdivision, and includes some grading on the southwest corner of the Property. By 2019, a drainage basin is present on the southwest corner of the Property, along with a rock-lined gabion.

Adjacent Property

By 1998, there are new subdivisions under construction to the south and southeast of the Property, but no houses are yet present. Jomax Road west of the intersection is now paved. By 2000, there is a new subdivision under development east of the Property, across 67th Avenue. In addition, access to 67th Avenue has been relocated farther east, south of Jomax Road. The south, southeast and east subdivisions are all complete by 2002. Fill piles start showing up north of the Property along 67th Avenue in 2006, and continue to be added in subsequent years. By 2007, 67th Avenue is paved north of the entrance to the east adjoining subdivision. By 2018, grading for the west adjoining subdivision is begun, and by 2019 the drainage basin (partially on the Property) is in place.

5.5 Sanborn Map Review

Based on BEC's experience, no Sanborn coverage exists for the Property project area.

5.6 Historical Chain-of-Title

BEC requested a historical chain-of-title review All Lands Title (All Lands) of Goodyear, AZ. The *Historical Title Report*, dated April 21, 2020 and with a title plant date of April 15, 2020 (reflects the most current data available to All Lands), and supporting documentation are located in Appendix B. The following is a summary of pertinent observations based on a review of the title report.

1. Conveyance from the United States of America to the state of Arizona by State School Selection on February 14, 1912, date of Statehood.

The history of title transactions indicates transfer of the parcel (APN 201-29-381) from the U.S. government to the State of Arizona in 1912. The Property remains State land through the current timeframe.

Allands found the following leases issued by Arizona State Land Department:

1. Grazing Lease No. LT-10861 dated 11-28-1923 to Aso Sheep Company; assigned to Laird-Evans Cattle Ranch on 2-4-1941; Number changed to G-69-S on 9-13-1944 and assigned to F. N. Bard on 10-3-1944; terminated 2-8-1966.

2. Grazing Lease No. G-3031-S dated 11-30-1966 to Skousen and Hastings Farms; assigned to Ken Garff on 3-16-1970 and further assigned to Page Land and Cattle Company on 9-4-1975; terminated 2-29-1980.

3. Oil Permit No. 63008 dated 4-26-1978 to the Anschutz corporation; Expired 4-26-1983.

Allands also found no evidence of any environmental use restrictions:

1. No VEMUR'S, DEUR'S; Environmental Liens, or activity and use limitations, if any, were found currently recorded against the property as searched at the subject county recorder's office. ***

Nothing within the chain-of-title or the Leases indicate development activities that would present evidence of environmental conditions of concern.

5.7 Fire Department

Since there is no address for the Property, BEC did not attempt to submit an on-line request to the City of Peoria Fire Department, Maricopa County, or the State Fire Marshal for records pertaining to underground or aboveground storage tanks, leaks, spills, inspections, or any other environmental responses to the Property.

5.8 County Tax Assessor and Recorders Office

BEC visited the Maricopa County Tax Assessor's World Wide Web site to determine the current and previous owners of the parcel containing the subject Property. The owner of the parcel (APN 201-29-381) containing the Property as determined from the Maricopa County Tax Assessor's website is the State of Arizona, since 1912. Allands conducted a title history for the parcel – see Section 5.6.

5.9 Planning and Zoning Department

According to the Maricopa County Assessor's on-line web page, the Property is currently zoned PCD (Planned Community Development) by the City of Peoria, Arizona. According to the City of Peoria, (https://www.peoriaaz.gov/government/departments/planning-and-zoning/planned-area-developments), the **Planned Area Development District (PAD)** is intended to be a stand-alone document of zoning regulations for a particular project. A **Planned Community District (PCD)** is similar in nature to a **PAD**; however, it is applicable when the project is 600 acres or more in size. Provisions not specifically regulated by the **PAD** or **PCD** are governed by the Peoria Zoning Ordinance. Substantive background information is requested to help illustrate the intent of the development, and typically included in the accompanying separate project narrative – not necessarily found within the **PAD** or **PCD** document.

The Property is located within the Aloravita PCD. This master planned community consists of 1,262 acres of real property, and is described in detail in the PCD document available on the City website: https://www.peoriaaz.gov/home/showdocument?id=19720.

No information was found concerning any environmental issues associated with the Property.

5.10 Building Permits and Records

BEC was not able to submit an on-line request to the City of Peoria for building records pertaining to the Property, since there is no assigned address.

5.11 City Water Department

There is currently no water service to the Property. Upon development, potable water will be supplied by the City of Peoria.

5.12 Previous Investigations Review

BEC was provided with a previous environmental site assessment report for a larger area that included the subject Property. This report is summarized as follows:

ProTeX The PT Experts, LLC, 2020. Phase I Environmental Site Assessment, Aloravita Phase 3 & 4, 67th Avenue & Jomax Road, Peoria, Arizona, January 7.

This Phase I ESA was conducted for Shea Homes Limited Partnership (Shea Homes) for a "Site" consisting of a 250-acre portion of APN 201-29-381. The 4.401-acre subject Property currently being assessed by BEC is located in the extreme southeast corner of the area assessed by ProTeX.

A site inspection of the Site was conducted by ProTeX on January 2, 2020. The land was described as a combination of partially developed (graded) land and undeveloped desert land. The inspection found no indication of any environmental concerns such as hazardous substances, storage tanks, PCBs, solid waste disposal other than *de minimis* materials on the east border of the Site, wells, septic systems, drainage systems, or other conditions of concern.

A User questionnaire was completed by a representative of Shea Homes, and an Owner questionnaire was completed by a representative of the Arizona State Land Department. No issues of environmental concern were disclosed by the responses to these questionnaires.

A regulatory database report was ordered from Environmental Data Resources (EDR) and reviewed by ProTeX. The report identified no environmentally regulated facilities within their ASTM search radii of the Site, except for a US Mines listing, a sand and gravel operation located 0.056 miles southeast of the property. This listing was not considered a recognized environmental condition by ProTeX.

Historical research was conducted for the Site by reviewing historical aerial photographs, historic USGS topographic maps, city directories (no listings), and Sanborn Maps (no coverage). ProTeX's review of these resources found that the land was undeveloped desert in the earliest aerial photograph (1940), until some development began in 2018 in the southwest corner of the Site.

ProTeX concluded that "This ESA has revealed no Recognized Environmental Conditions (RECS), no historical RECs, no controlled RECs, and no potential for vapor migration issues in relation to the Site."

6.0 RECORDS REVIEW

The following section is based on public information obtained from various federal, state, and local agencies that maintain environmental regulatory databases. These databases contain information about facilities or sites that have reported incidents involving hazardous materials or inappropriate use, storage, or transportation of such materials. Information was gathered by BEC personnel and by a professional data search service Envirosite Corporation (Envirosite) Westport, Connecticut. BEC personnel reviewed the information that appeared on these lists. The latitude and longitude of the Property and the Property address were used to provide a controlled area for the data search. All references to groundwater flow direction are based on an assumed regional southern direction. A discussion of the reviewed information is presented in the following sections. The data reviewed by Envirosite and the dates last reviewed are presented in Appendix C.

6.1 Federal Agency Databases/Records

Numerous federal regulatory databases were obtained by Envirosite and the results were examined by BEC. A summary of these reports and the radius from the Property that they cover are presented below.

6.1.1 National Priorities List and Proposed National Priorities List

The National Priorities List (NPL), or Superfund sites list, is the United States Environmental Protection Agency's (EPA's) database of uncontrolled or abandoned hazardous waste sites identified for priority investigations and, as appropriate, remedial actions under the Superfund Program. The Proposed NPL includes sites under review for inclusion on the NPL.

Envirosite's last review of the NPL and Proposed NPL lists indicated **no listings** within a mile radius.

6.1.2 Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

The federal Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) legislation was authorized to finance the cleanup of abandoned disposal sites throughout the United States.

Envirosite's last review of the CERCLIS list EDR's last review of the CERCLIS list indicated **no listings** relative to the Property or within a mile of the Property.

6.1.3 CERCLIS - No Further Remedial Action Planned (NFRAP)

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to

require Federal Superfund action or NPL consideration. The EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Envirosite's last review of the CERCLIS/NFRAP list indicated **no listings** for the Property or within a mile of the Property.

6.1.4 Resource Conservation and Recovery Act (RCRA) Corrective Action Sites List

The EPA maintains the RCRA Corrective Action Sites (CORRACTS) list, which identifies facilities that are undergoing "corrective action" under RCRA. 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 a RCRA-regulated facility. Corrective actions may be required beyond the facility's boundary and can be required regardless of when the release occurred, even if it predates RCRA. Envirosite's last review of the CORRACTS list indicated **no CORRACTS facilities** within a mile radius of the Property.

6.1.5 Treatment, Storage & Disposal Facilities (TSD)

The EPA's RCRA Program maintains a compilation of reporting facilities that receive, transport, store, or dispose of hazardous waste. Envirosite's last review of the TSD indicated **no facilities** within a half-mile radius.

6.1.6 RCRA Hazardous Waste Generators

The RCRA Information System database (RCRIS), maintained by the EPA, lists facilities that have notified the EPA of hazardous waste activity. The notifiers may engage in the generation, transportation, treatment, storage, and/or disposal of hazardous wastes.

There are four categories of hazardous waste generators:

1. Generators of no more than 100 kilograms per month (kg/mo), known as very small-quantity generators (VSQG).

2. 100 to 1,000 kg/mo, known as small-quantity generators (SQG).

3. Generators of 1,000 kg or more in a month, known as large-quantity generators (LQG).

4. Non-Generators (Non-Gen) do not presently generate hazardous waste.

Envirosite's last review of the RCRA database indicated **no current or former RCRA generator facilities** within ¼-mile of the Property.

6.1.7 Emergency Response Notification System (ERNS)

The Emergency Response Notification System (ERNS) is a national database, which compiles information on reported releases of petroleum and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the U.S. Coast Guard, the National Response Center and the Department of Transportation. Envirosite's last review of the ERNS database indicated **no information** relative to the Property.

6.1.8 Other Federal Databases

Envirosite searched other Federal regulatory databases for listings of the Property and properties within various search radii, as follows:

OTHER ASCERTAINABLE RECORDS

AFS Air Facility Systems
BRS Biennial Reporting Systems
CDC HAZDAT Hazardous Substance Release and Health Effects Information
COAL ASH DOE Coal Ash: Department of Energy
COAL ASH EPA Coal Ash: Environmental Protection Agency
COAL GAS Coal Gas Plants
CONSENT (DECREES) Superfund Consent Decree
DOD Department of Defense
DOT OPS Department of Transportation Office of Pipeline Safety
ECHO EPA Enforcement and Compliance History Online
ENOI Electronic Notice of Intent
FA HWF Financial Assurance for Hazardous Waste Facilities
FEDLAND Federal Lands
FRS Facility Index Systems
FTTS FIFRA/TSCA Tracking System
FTTS INSP FIFRA/TSCA Tracking System: Inspections
FUDS Formerly Used Defense Sites
ICIS Integrated Compliance Information System
INDIAN RESERVATION Indian Reservations
LEAD_SMELTER Lead Smelter Sites
LUCIS Land Use Control Information Systems
MINES Mines
MLTS Material Licensing Tracking Systems
NPL AOC Areas related to NPL remediation sites
OSHA Occupational Safety & Health Administration
PADS PCB Activity Database Systems
PCB TRANSFORMER Polychlorinated Biphenyls Transformers
RAATS RCRA Administrative Action Tracking Systems
RADINFO Radiation Information Systems
RMP Risk Management Plans
ROD Record of Decision

SCRD DRYCLEANERS SCRD Drycleaners
SEMS_SMELTER Sites on SEMS Potential Smelter Activity
SSTS Section 7 Tracking Systems
TOSCA-CHEMICAL Toxic Substance Control Act: Chemicals
TOSCA-PLANT Toxic Substance Control Act: Plants
TRIS Toxic Release Inventory Systems
UMTRA Uranium Mill Tailing Sites

Except where noted, Envirosite's last review of the above databases indicated no information relative to the Property or properties within the designated search radii. For descriptions of the other databases listed above, their search radii, and the date of the most recent Envirosite review for each database, see the attached Envirosite report (Appendix C).

6.2 State Agency Databases/Records

Numerous State regulatory databases were obtained by Envirosite and the results were examined by BEC. A summary of these reports and the radius from the Property that they cover are presented below.

6.2.1 Superfund Program List (SPL)

Through the Superfund Programs Section, the Arizona Department of Environmental Quality (ADEQ) identifies, assesses and cleans up soil, groundwater and surface water contaminated with hazardous substances. The program conducts these efforts throughout Arizona with support from state and federal funds. The program also oversees privately-funded cleanup efforts.

The State of Arizona has established the Water Quality Assurance Revolving fund (WQARF) program to perform investigations and conduct remedial action activities at sites that may have an actual or potential impact upon waters of the state caused by hazardous substances. The WQARF program is the State of Arizona equivalent to the federal Superfund program (CERCLA). The sites that are currently being addressed by the WQARF program are listed on the WQARF Registry. Sites are scored and placed on the Registry using an approved eligibility and evaluation (E&E) model for evaluating risk and other environmental factors. The Registry is updated as sites are added or cleaned up.

Some sites in Arizona are governed and funded by the federal Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), commonly known as Superfund. Sites that pose the greatest potential threat to human health and the environment are put on the National Priorities List (NPL). There are nine NPL Superfund sites in Arizona, two of which are divided into north and south portions. In addition to the NPL and the WQARF Registry sites, the Superfund Programs Section also provides state review and oversight at 12 Department of Defense (DoD) sites. DoD sites are federal facilities that are either being assessed for potential contamination, or have active remediation taking place on them.

The Superfund Program List (SPL) is representative of the sites and potential sites within the jurisdiction of the Superfund Programs Section. The SPL is comprised of the following

elements: 1) the WQARF Registry Sites; 2) Potential WQARF Registry sites; 3) NPL sites; and 4) DoD sites requiring Superfund Program Section oversight.

A review of the Envirosite SPL list indicated **no SPL facilities** within a one-mile radius of the Property.

6.2.2 State Hazardous Waste Sites List (SHWS)

The Arizona CERCLA Information and Data System (ACIDS) list is a computer database, maintained by the Arizona Department of Environmental Quality (ADEQ), which contains locations subject to investigations concerning possible contamination of soil, surface water or groundwater under federal CERCLA and the state WQARF programs. The inclusion of a particular facility on this database does not necessarily indicate the site is contaminated, is causing contamination, or is in violation of state or federal statutes and regulations. The listing implies that, due to the nature of activities conducted at these locations, a potential for the previously mentioned conditions exists.

Envirosite's last review of the SHWS list indicated **no listings** within a 1-mile search radius of the Property.

6.2.3 Solid Waste Facilities/Land Fills (SWF/LF)

The "Arizona Directory of (Operating) Municipal Solid Waste Landfills", dated December 1991 and the "Arizona Directory of Closed Municipal Waste Landfills and Closed Solid Waste Dumps", dated October 1999, are statewide lists maintained by ADEQ of active and inactive (closed) municipal landfills.

A review of the Solid Waste Facilities/Land Fills (SWF/LF) list indicated **no listings** within a half-mile radius.

6.2.4 Underground Storage Tank (UST) List

Under Subtitle I of the 1984 RCRA Amendments, owners of USTs which contained regulated substances were required to notify (register) the designated state agency of the existence of the tank(s) by May 1986. As the designated agency in Arizona, the ADEQ maintains a list of "registered USTs" in the state.

BEC's review of the Envirosite UST list indicated **no UST facilities** within ¼-mile of the Property.

6.2.5 Leaking Underground Storage Tank (LUST) List

The ADEQ maintains an inventory of known or reported incidents involving Leaking Underground Storage Tanks (LUSTs). BEC's review of the State LUST site list identified **no LUST** incidents within a half mile of the Property.

6.2.6 Indian UST

The United States Environmental Protection Agency maintains a database of USTs on Indian Land. **No Indian UST sites** were listed within a quarter mile radius of the Property.

6.2.7 Aboveground Storage Tanks (AST)

ADEQ does not maintain a list of registered ASTs. Permitting of ASTs in the State of Arizona is the responsibility of local municipalities (typically the Fire Department) or counties and is rarely maintained as a specific database. **No registered AST facilities** were listed within a quarter mile radius of the Property.

6.2.8 Hazardous Material Logbook

The ADEQ Emergency Response Unit documents chemical spills and incidents, which are referred to the Unit. The logbook information for 1984-1986 consists of handwritten entries of the date, incident number and name of facility, if known. Current logbooks are computerized and can be sorted by date, incident number, name, city (zip codes are not included), county, chemical, and quantity. There are **no listed incidents** for the subject Property address.

6.2.9 Waste Water Treatment Facilities (WWFAC)

ADEQ maintains a list of wastewater treatment facilities statewide. A review of the WWFAC list indicated **no listings** for properties within a 1/2-mile search radius.

6.2.10 Dry Well Registry

A dry well is a bored, drilled, or driven shaft or hole whose depth is greater than its width and is designed and constructed specifically for the disposal of storm water. The dry well registry list was reviewed by Envirosite. A review of the dry well list indicated **no listings** for the subject Property.

6.2.11 Arizona Airs Database

Sources of major air emissions (the potential to emit over 100 tons of criteria pollutant) and minor air emissions (below 100 tons) are listed by ADEQ on the Arizona Airs Database (Airs). A review of the Airs list indicated **no listing** for the Property.

6.2.12 Brownfields and Voluntary Remediation Program (VRP) Databases

The ADEQ maintains a list of properties entered in the Brownfields Tracking System which have undergone investigation and/or remediation using federal or state Brownfields funding. In addition, the ADEQ Voluntary Remediation Program (VRP) allows property owners to obtain a no further action (NFA) letter for contaminated sites out of the jurisdiction of other ADEQ programs.

A review of the Brownfields and VRP databases indicates that **no properties** within a half-mile search radius are listed.

6.2.13 Activity and Use Limitations (AULs)

The ADEQ maintains a database of properties that have been issued restrictive land use covenants (attachments to deeds) when a landowner elects to use an institutional (i.e., administrative) control or engineering (i.e. physical control as a means to meet remediation goals). Prior to July 18, 2000, a Voluntary Environmental Mitigation Use Restriction (VEMUR) was required when a property owner elected to remediate the property to non-residential use standards. After July 18, 2000, a Determination of Environmental Use Restriction (DEUR) was required, and requires maintenance of any institutional or engineering controls.

A review of the DEUR and VEMUR database indicates that **no facility** within a half-mile search radius is listed.

6.2.14 Aquifer Protection Permit

ADEQ requires facilities to obtain an Aquifer Protection Permit (APP) if they own or operate a facility that discharges (Arizona Revised Statutes (A.R.S.) §§49-241 through 49-252, and Arizona Administrative Code R18-9-101 through R18-9-403). A "discharge" (A.R.S. §§49-201(12)) means the addition of a pollutant from a facility either directly to an aquifer or to the land surface or the vadose zone in such a manner that there is a reasonable probability that the pollutant will reach an aquifer. In addition to the general definition above, the following are considered to be "discharging" facilities that require permits, unless exempted, or the director determines that the facility will be designed, constructed, and operated so there will be no migration of pollutants directly to the aquifer or to the vadose zone:

- Surface impoundments, pits, ponds, and lagoons
- Solid waste disposal facilities (generally regulated by the ADEQ Solid Waste Program), except for mining overburden and wall rock that has not been subject to mine leaching operations.
- Injection wells
- Land treatment facilities
- Facilities adding pollutants to a salt dome, salt beds, or salt formations, drywells, underground caves, or mines
- Mine tailings piles and ponds
- Mine leaching operations
- Septic tank systems with a capacity greater than 2000 gallons/day
- Underground water storage facilities (if wastewater - effluent is used).
- Point source discharges to navigable waters
- Sewage or wastewater treatment facilities

The Envirosite report does not provide information regarding **Aquifer Protection Permit (APP) applications.** BEC not able to utilize a Property address to search for APP applications on ADEQ's website (MegaSearch), however, there is no evidence of any activities within a mile of the Property that might require an APP.

6.2.15 Manifest Database

This database is a State listing of facilities that utilized hazardous waste manifests during a short timeframe (this listing has been discontinued). **No manifest facilities** within ¼-mile are listed by Envirosite.

6.2.16 Drycleaners Facility Listings

This database is a State listing of dry cleaner facilities within 0.25 miles of the Property. **No dry cleaner facilities** are listed by the Envirosite report within 0.25 miles of the Property.

6.2.17 Groundwater Well Registry

The Arizona Department of Water Resources (ADWR) provides an on-line Well Registry interactive with a GIS system. BEC created a one-mile radius well inventory map using the ADWR on-line system (Appendix D) to plot registered wells within a mile of the larger parcel containing the Property. BEC's review of the ADWR Well Registry indicated that there are only five registered groundwater well permits within a one-mile radius of the parcel. None of these registered wells is on the Property, and the closest of these wells is over half a mile to the west of the Property.

One of the wells is registered to Maricopa County, and another well is registered to a home builder. The other three wells are registered to private individuals. The depth to groundwater for the wells is only listed for two of the five wells. Depth to groundwater in the Maricopa County well is listed at 43 feet below ground surface (bgs) at the time the well was installed in 1985. This well was installed as a piezometer for construction of the New River Dam, and was probably designed to monitor a near-surface perched zone in the New River floodplain. The depth to groundwater in the homebuilder's well is listed at 360 feet bgs. Copies of the well inventory and the well location map are presented in Appendix D.

6.3 Physiographic Setting

The following subsections present information regarding the general physiographic, geologic, and hydrogeologic conditions of the project area.

6.3.1 Surface Topography and Drainage

Based on the USGS 7.5-minute series topographic map entitled entitled "Hedgpeth Hills, Arizona" Quadrangle, dated 1978, and photorevised 1982 (Figure 1). The Property is located at an elevation of approximately 1,420 feet above mean sea level (AMSL), sloping down to the southwest.

Desert washes are shown at intervals crossing the project area to the southwest, and drain a series of hills located to the northwest (Keefer Hill) and north (East Wing Mountain). The New River is present about a mile west of the Property, and runs to the south. Weir Wash is present about a quarter mile east of the Property, and runs to the southwest where it drains into the New River. An unnamed, smaller drainage crosses to the southwest, just east of the Property.

Locally, storm water infiltrates in place, or flows off the Property to the southwest and into the new drainage basin at the southwest corner of the Property.

6.3.2 Regional Geology

The Salt River Valley is a broad alluvial basin within the Basin and Range physiographic province of the United States (Wilson, 1962). The basin is almost completely surrounded by mountains composed primarily of granitic, metamorphic and volcanic rocks. The valley floor is underlain by unconsolidated to semi-consolidated basin-fill sediments that are likely less than 500 feet thick in the central part of the basin (Brown and Pool, 1989). Bedrock is exposed in a series of hills located to the northwest, north, and southwest, less than a mile from the Property.

6.3.3 Regional Hydrogeology

The Property is located in the northwest portion of the West Salt River Valley Sub basin of the Phoenix Active Management Area (Brown and Pool, 1989). The static depth to regional groundwater within the project area is reported to include depths of 262 and 451 feet below ground surface (bgs) based on the closest well data available from Hammett and Herther (1995). These wells are over two miles from the Property and not necessarily indicative of conditions at the Property. Regional groundwater flow direction is estimated to be to the south (Hammett and Herther, 1995).

According to the ADWR database, depth to groundwater at time of installation for wells within a mile of the Property was listed as ranging widely; from 43 to 360 feet bgs (see Section 6.2.17). The shallow depth to groundwater was found in a piezometer installed in 1985 at the site of the New River Dam construction project, and may reflect localized perched groundwater in the New River floodplain. Regionally, groundwater is probably in the range of greater than 300 feet deep.

Localized groundwater flow patterns and depths, which differ from these conditions, may exist due to the presence of heterogeneous subsurface conditions, local recharge factors and/or local groundwater pumping. Shallow groundwater beneath the project area is contained in an unconfined, highly permeable valley fill deposits of sand, gravel and cobbles above shallow bedrock. The local aquifer is a part of the much larger Salt River Valley aquifer that underlies all of the Salt River Valley, including Phoenix and surrounding cities. The uses of groundwater include drinking water, irrigation, industry and recreation

7.0 SITE SAMPLING

No surface or subsurface exploration or chemical analyses were conducted as part of this Phase I ESA.

8.0 ENVIRONMENTAL PERMITS

Although a compliance audit was not conducted during the course of the Phase I ESA, BEC did not observe any on-site features that appeared to require an environmental permit.

9.0 VAPOR INTRUSION POTENTIAL AND OUT-OF-SCOPE CONSIDERATIONS

Vapor intrusion potential is addressed by ASTM E 1527-13 as follows:

> *Vapor migration in the subsurface is described in Guide E2600; however, nothing in this practice should be construed to require application of the Guide E2600 standard to achieve compliance with all appropriate inquiries. In general, EPA does not regulate indoor air quality except to the extent that indoor air impacts are caused by releases of hazardous substances into subsurface soil or groundwater (vapor intrusion).*

ASTM E 1527-13 does state that "the presence within a building of hazardous substances such as vapors that have migrated into a building from a "*release into the environment*" (i.e., from a release outside of the building) can result in CERCLA liability."

Based on the site inspection, review of historical resources, and a regulatory database review, BEC concludes that there is no risk regarding potential vapor intrusion at the Property.

The following items are considered out-of-scope under ASTM E 1527-13 and were not evaluated by BEC:

- asbestos,
- lead-based paint,
- radon,
- wetlands,
- lead in drinking water, and
- water damage and/or mold at the subject Property.

BEC is available to conduct additional out-of-scope services as requested.

10.0 DEVIATIONS FROM ASTM STANDARD AND DATA GAPS

This report was prepared in general accordance with the ASTM Standard Practice E 1527-13; however, the following data failures and data gaps were identified:

Data Failure

Data failure was encountered since the historic uses of the Property were not established back to 1940. The oldest available source (a 1949 aerial photograph) shows that the Property was undeveloped desert. The data failure is not considered significant since it is unlikely that any environmentally risky uses of the Property occurred.

Data Gaps

There are data gaps since historical aerial photographs are not available at a minimum of five year intervals. However, these data gaps are not significant – uses are relatively well documented after 1949. The Property remained undeveloped until a small construction yard was developed at the southeast corner of the Property in 2001-2002. Dumping of fill material along the east margin of the Property is well documented in aerial photographs beginning in 2008.

11.0 FINDINGS AND OPINIONS

BEC has performed a Phase I ESA in general conformance with the scope and limitations of the ASTM Standard Practice E 1527-13. The following sections present our findings and opinions regarding *de minimis* conditions, historical recognized environmental conditions, and recognized environmental conditions identified at the Property during the course of the Phase I ESA.

***De minimis* Conditions**

De minimis conditions are 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. These conditions may be areas that are addressed through general housekeeping practices. Based on the site reconnaissance, **the following *de minimis* conditions were observed:**

- The eastern side of the Property is dominated by a series of fill piles which stretch from the north end of the Property, nearly to the southeast corner. The fill piles extend a total of about 300 feet north/south, and range from 40 to 80 feet wide (east/west). The fill piles appear to be mostly soil, gravel, or rock, or mixtures of these materials. There are several piles of asphalt millings at the northeast corner of the Property, and a pile of asphalt near the southeast corner. A pile of floor tiles was present close to the northeast corner, consisting of both ceramic floor tile and vinyl floor tile debris. A large trash bag with some flooring-related packaging debris was located along the east central portion of the fill piles, along with an area where a cement truck had conducted a cleanout.

Historical Recognized Environmental Conditions

The term historical recognized environmental condition means an environmental condition which, in the past, would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. If a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency, this condition shall be considered an historical recognized environmental

condition. Based on the site reconnaissance and research conducted during the course of this Phase I ESA, **no *historical recognized environmental conditions* were identified**.

Recognized Environmental Conditions

The term recognized environmental condition means 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. The following statement required by the ASTM E 1527-13 Standard of Practice is provided regarding the presence of recognized environmental conditions at the Property:

Based upon the findings and conclusions of this assessment, we have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 of an approximately 4.401-acre Property consisting of a portion of Maricopa County Assessor's parcel number (APN) 201-29-381. The irregularly-shaped Property consists of two Arizona State Land Department (ASLD) Applications; 014-1205478-00-100 and 014-120579-00-100.

Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed **no evidence of *recognized environmental conditions* in connection with the Property.**

12.0 RECOMMENDATIONS

Based on the results of this Phase I ESA, **BEC recommends that no further investigations be conducted** for evaluating *recognized environmental conditions* in connection with the Property.

In regards to the floor tile debris, BEC recommends that the debris be sampled by an experienced asbestos contractor to determine if the debris contains asbestos that might require disposal as something other than solid waste or construction debris.

13.0 REFERENCES

The following agencies, offices, reports, and publications were used as information sources in the preparation of this Phase I ESA.

13.1 Agencies and Offices

Arizona Department of Environmental Quality
1110 West Washington Street
Phoenix, Arizona

Arizona Department of Water Resources
3550 North Central Avenue
Phoenix, Arizona

Maricopa County Assessor's Office
Real Property Appraisal Division
301 West Jefferson, Suite 330
Phoenix, Arizona

Envirosite Corporation
2 Corporate Drive, Suite 450
Shelton, Connecticut

13.2 Reports and Publications

Brown, J.G. and Pool, D.R., 1989. Hydrogeology of the Western Part of the Salt River Valley Area, Maricopa County, Arizona, U.S. Geological Survey Water Resources Investigation Report, 88-4202.

Hammett, B.A. and Herther, R.L., 1995. Maps Showing Groundwater Conditions in the Phoenix Active Management Area, Maricopa, Pinal and Yavapai Counties, Arizona - 1992, State of Arizona, Department of Water Resources, Hydrologic Map Series Report Number 27, Phoenix, Arizona.

ProTeX The PT Experts, LLC, 2020. Phase I Environmental Site Assessment, Aloravita Phase 3 & 4, 67th Avenue & Jomax Road, Peoria, Arizona, January 7.

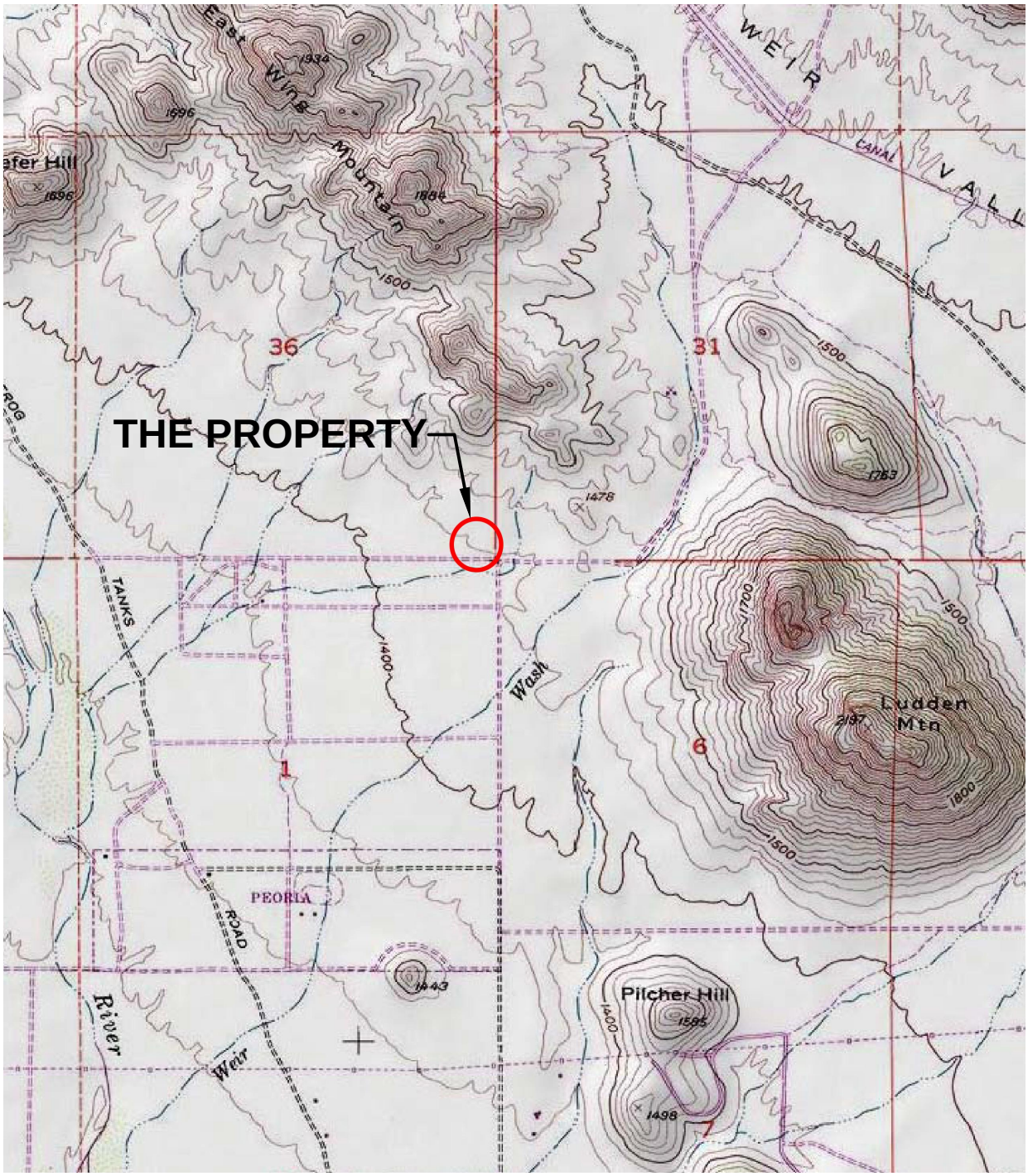
14.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

The following individuals qualify as an Environmental Professional (EP) as defined in 40 CFR §312.10(b):

Gary A. Bender, R.G., Vice President and Project Manager. Mr. Bender is a professional geologist with over 29 years of experience as an environmental professional, four years experience in minerals exploration, and an additional two years as an archaeologist. His professional environmental experience includes hazardous waste site investigation and remediation at a large number of state and federal superfund sites throughout the United States. Mr. Bender has also completed numerous Phase I ESAs involving large and complex industrial facilities. The majority of these were completed for attorney groups and required research efforts exceeding the ASTM standards. Mr. Bender is responsible for reviewing and providing technical oversight of Phase I ESAs completed by BEC technical staff for a variety of clients including developers, private industry, municipalities and state entities.

Kelly C. Bender, M.S., President and Senior Reviewer. Ms. Bender provides senior review and Quality Assurance/Quality Control (QA/QC) for BEC technical documents. Ms. Bender has 24 years experience preparing and reviewing technical documents for geological research and environmental assessments. Ms. Bender has published papers in refereed journals comparing planetary radar and other remote sensing data to terrestrial analogs. In addition, Ms. Bender is a Mission Planner funded by NASA to control and direct the Thermal Imaging System (THEMIS) instrument currently compiling geologic data in orbit aboard Mars 2001 Odyssey.

FIGURES



SOURCE: USGS – 7.5 MIN TOPO
HEDGPETH HILLS, ARIZONA
QUADRANGLE – 1978
PHOTOREVISED – 1981

QUADRANGLE LOCATION

N

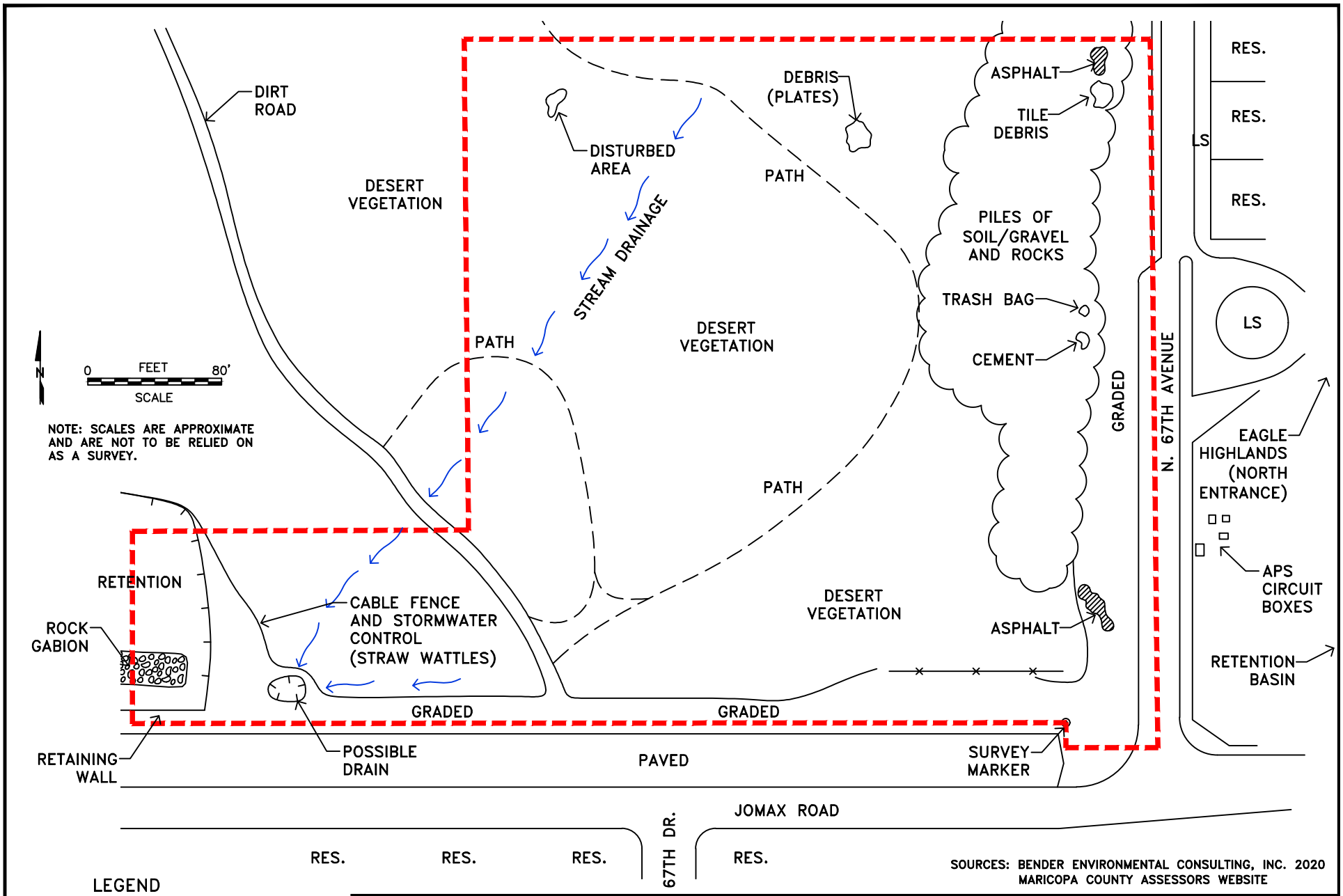
1000 2000 3000 4000 5000 6000
SCALE IN FEET

BENDER ENVIRONMENTAL CONSULTING, INC.
1929 EAST MYRNA LANE
TEMPE, ARIZONA 85284
TEL: (480) 345-2448
FAX: (480) 345-2474

PROPERTY LOCATION MAP

PROPOSED EAGLE SUBSTATION
NW CORNER JOMAX RD. AND 67TH AVE.
PEORIA, ARIZONA

Prepared By: G. BENDER	Project No: J200401
Reviewed By: K. BENDER	Figure No: 1
Date: 04/2020	



SOURCES: BENDER ENVIRONMENTAL CONSULTING, INC. 2020
MARICOPA COUNTY ASSESSORS WEBSITE

LEGEND

THE PROPERTY	
SW	SOLID WASTE
RES.	RESIDENTIAL
LS	LANDSCAPE

BENDER ENVIRONMENTAL CONSULTING, INC.
1929 EAST MYRNA LANE
TEMPE, ARIZONA 85284
TEL: (480) 345-2448
FAX: (480) 345-2474

PROPERTY MAP

PROPOSED EAGLE SUBSTATION
NW CORNER JOMAX RD. AND 67TH AVE.
PEORIA, ARIZONA

Prepared By:	G. BENDER
Reviewed By:	K. BENDER
Date:	4/2020
Project No:	J200401
Figure No:	2

SOURCES: BENDER ENVIRONMENTAL CONSULTING, INC. 2020
MARICOPA COUNTY ASSESSORS WEBSITE

LEGEND

THE PROPERTY

0 FEET 80'
SCALE

N

NOTE: SCALES ARE APPROXIMATE AND ARE NOT TO BE RELIED ON AS A SURVEY.

BENDER ENVIRONMENTAL CONSULTING, INC.
1929 EAST MYRNA LANE
TEMPE, ARIZONA 85284
TEL: (480) 345-2448
FAX: (480) 345-2474

AERIAL PHOTOGRAPH

PROPOSED EAGLE SUBSTATION
NW CORNER JOMAX RD. AND 67TH AVE.
PEORIA, ARIZONA

Prepared By: G. BENDER	Project No: J200401
Reviewed By: K. BENDER	Figure No: 3
Date: 4/2020	

PHOTOGRAPHIC LOG

APPENDIX A

CLIENT-SUPPLIED INFORMATION
USER QUESTIONNAIRE

BENDER ENVIRONMENTAL
CONSULTING, INC.

1929 East Myrna Ln.
Tempe, AZ 85284
(480) 345-2448
(480) 345-2474 fax
benderenv@cox.net

Phase I Environmental Site Assessment
USER QUESTIONNAIRE
(to be completed by USER or designated Key Site Manager)

The following questionnaire has been designed to assist in the preparation of a Phase I Environmental Site Assessment (ESA) by Bender Environmental Consulting, Inc. (BEC). BEC requests that, as the USER of the ESA, and/or the Key Site Manager of the Property, you be specific as possible in your responses, but please answer only to the extent of your knowledge. The following questions must be answered in order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001. Failure to provide this information could result in a determination that *"all appropriate inquiry"* is not complete.

1) **Environmental liens that are filed or recorded against the site (40 CFR 312.25).** Did a search of *recorded land title records* (or judicial records where appropriate) identify any environmental liens filed or recorded against the Property under federal, tribal, state or local law? No_____

2) **Activity and land use limitations (AUL) that are in place on the Property or that have been filed or recorded against the Property (40 CFR 312.26).** Did a search of *recorded land title records* (or judicial records where appropriate) identify any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the Property and/or have been filed or recorded against the Property under federal, tribal, state, or local law?_No_____

3) **Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).** As the USER of this ESA, do you have any specialized knowledge or experience related to the Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? No_____

4) **Relationship of the purchase price to the fair market value of the Property if it were not contaminated (40 CFR 312.29).** Does the purchase price being paid for this Property reasonably reflect the fair market value of the Property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Property?_Price reflects fair market value_____

5) **Commonly known or reasonably ascertainable information about the Property (40 CFR 312.30).** Are you aware of commonly known or reasonably ascertainable information about the Property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example,
   a) Do you know the past uses of the Property? No_____
   b) Do you know of specific chemicals that are present on the Property or once were present at the Property?_No_____
   c) Do you know of spills or other chemicals releases that have taken place at the Property?_No_____
   d) Do you know of any environmental cleanups that have taken place at the Property?__ _No_____

6) **The degree of obviousness of the presence of likely presence of contamination at the Property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)**. Based on your knowledge and experience related to the Property are there any obvious indicators that point to the presence or likely presence of releases at the Property? No_____

Responses to the following questions would also greatly facilitate the Phase I ESA process. Some of these questions (particularly 1-5) may only be answereable by the User and not by a delegated Key Site Manager:

1) What is the reason the Phase I ESA is being required? APS purchasing site from Arizona State Land Department_____
2) What is the type of property transaction (e.g. exchange, sale, purchase, etc.) Sale_____
3) What is the correct address for the property (maps or other documentation would be helpful)_____ Northwest corner of 64th Ave and West Jomax Road, Peoria, AZ_____
4) Are there any out-of-scope considerations to be addressed beyond those required by the ASTM E 1527-13 Standard of Practice?No_____
5) Please identify all parties who will rely on the Phase I ESA_APS & ASLD_____ _____.
6) Are you aware of any of the following documents that may have been previously prepared for the Property:
   a) Environmental Site Assessment Reports
   b) Environmental Audit Reports
   c) Environmental Permits (*e.g.,* solid waste disposal permits, hazardous waste permits, wastewater permits, NPDES permits)
   d) Registrations for above-ground or underground storage tanks
   e) Material Safety Data Sheets
   f) Community Right-to-Know Plan
   g) Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans
   h) Reports regarding hydrogeologic conditions on the property or surrounding area
   i) Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property
   j) Hazardous waste generator notices or reports

   Yes_____ No_X____

   If yes, please list which documents exist below, and forward a copy of each to BEC for our review.

1)_____

2)_____

3)_____

4)_____

7) Please identify the current legal property owner and persons with knowledge of the site's current and historical land uses.

Arizona State Land Department — 602-542-2648
Current Owner (years) — Phone Number

Gloria Nichols — 602-542-2668
Person with knowledge of current site use (years) — Phone Number

Ruben Ojeda — 602-542-2648
Person with knowledge of historical site use (years) — Phone Number

Thank you for responding to this questionnaire. Please fax or e-mail the completed questionnaire to Gary A. Bender at Bender Environmental Consulting, Inc. Our fax is (480) 345-2474 and our e-mail is benderenv@cox.net. If you have any questions, please call me at (480) 345-2448.

Thank you for your cooperation. Please sign and date.

Name — April 28, 2020
Date

Sr. Land Agent
Title

October 4, 2018

LEGAL DESCRIPTION FOR
ALORAVITA
A.P.S. SUBSTATION PARCEL

That part of Tract L of the Master Final Plat for Aloravita Phase 1, as recorded in Book 1348 of Maps, Page 28, Records of Maricopa County, Arizona, being situated in the Southeast Quarter of Section 36, Township 5 North, Range 1 East of the Gila and Salt River Meridian, Maricopa County, Arizona, more particularly described as follows:

Commencing at the City of Phoenix Brass Cap flush marking the Southeast Corner of said Section 36, from which the Maricopa County Highway Department Brass Cap flush marking the East Quarter Corner of said Section 36 bears North 00°22'28" West, a distance of 2,624.88 feet;

Thence North 00°22'28" West, along the East line of the Southeast Quarter of said Section 36, a distance of 55.00 feet to a point on a line which is parallel with and 55.00 feet Northerly, as measured at right angles, from the South line of the Southeast Quarter of said Section 36;

Thence North 89°56'23" West, along said parallel line, a distance of 55.00 feet to the True Point of Beginning;

Thence continuing North 89°56'23" West, along said parallel line, a distance of 560.03 feet;

Thence North 00°03'37" East, a distance of 115.00 feet to a point on a line which is parallel with and 170.00 feet Northerly, as measured at right angles, from the South line of the Southeast Quarter of said Section 36;

Thence South 89°56'23" East, along said parallel line, a distance of 202.35 feet;

Thence North 00°22'28" West, a distance of 291.84 feet;

Thence South 89°56'23" East, a distance of 356.80 feet to a point on a line which is parallel with and 55.00 feet Westerly, as measured at right angles, from the East line of the Southeast Quarter of said Section 36;

4550 N 12th Street | Phoenix AZ 85014 | 602.264.6831 | (F) 602.264.0928

CVL CONSULTANTS

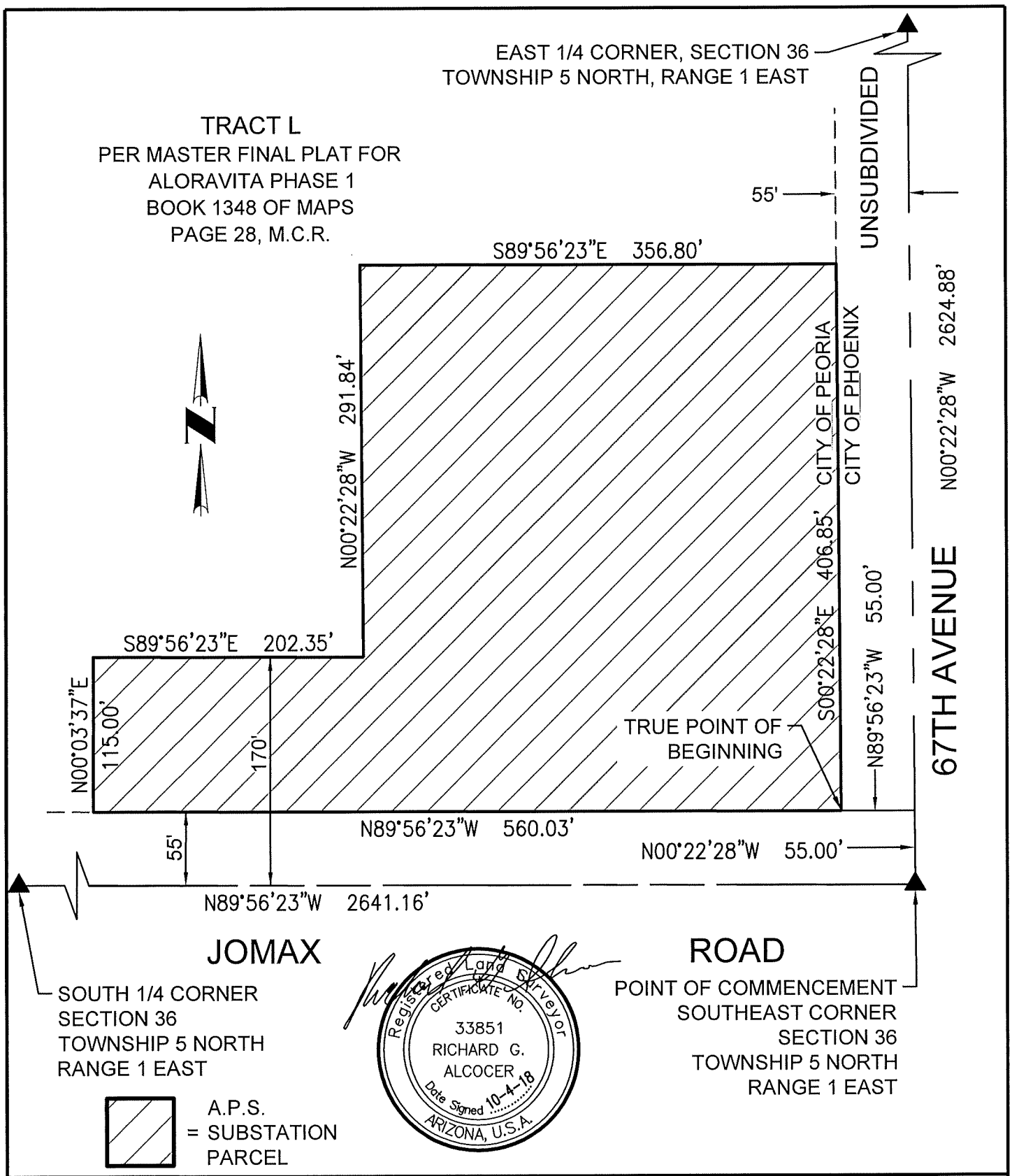
Thence South 00°22'28" East, along said parallel line, a distance of 406.85 feet to the True Point of Beginning.

Containing 168,482 Square Feet or 3.868 Acres, more or less.

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
33851
RICHARD G.
ALCOCER
Date Signed 10-4-18
ARIZONA, U.S.A.
Expires: 6/30/2020

4550 N 12th Street | Phoenix AZ 85014 | 602.264.6831 | (F) 602.264.0928

CVL CONSULTANTS



SCALE 1" = 100'	ALORAVITA	CVL CONSULTANTS CELEBRATING 60 YEARS
EXHIBIT	A.P.S. SUBSTATION PARCEL	1 OF 1
4550 North 12th Street Phoenix, Arizona 85014 Phone 602-264-6831 http://www.cvlci.com		

N:\01\0317901\Cadd\VX.LG.SUBSTATION.dwg **TomD October 4, 2018**

November 8, 2018

LEGAL DESCRIPTION FOR
ALORAVITA
A.P.S. SUBSTATION ROADWAY EASEMENT

That part of the Southeast Quarter of Section 36, Township 5 North, Range 1 East of the Gila and Salt River Meridian, Maricopa County, Arizona, more particularly described as follows:

Commencing at the City of Phoenix Brass Cap flush marking the Southeast Corner of said Section 36, from which the Maricopa County Highway Department Brass Cap flush marking the East Quarter Corner of said Section 36 bears North 00°22'28" West, a distance of 2,624.88 feet;

Thence North 00°22'28" West, along the East line of the Southeast Quarter of said Section 36, a distance of 40.00 feet to a point on a line which is parallel with and 40.00 feet Northerly, as measured at right angles, from the South line of the Southeast Quarter of said Section 36, said point being the True Point of Beginning;

Thence North 89°56'23" West, along said parallel line, a distance of 55.00 feet to a point on a line which is parallel with and 55.00 feet Westerly, as measured at right angles, from the East line of the Southeast Quarter of said Section 36;

Thence North 00°22'28" West, along last said parallel line, a distance of 421.85 feet;

Thence South 89°56'23" East, a distance of 55.00 feet to a point on the East line of the Southeast Quarter of said Section 36;

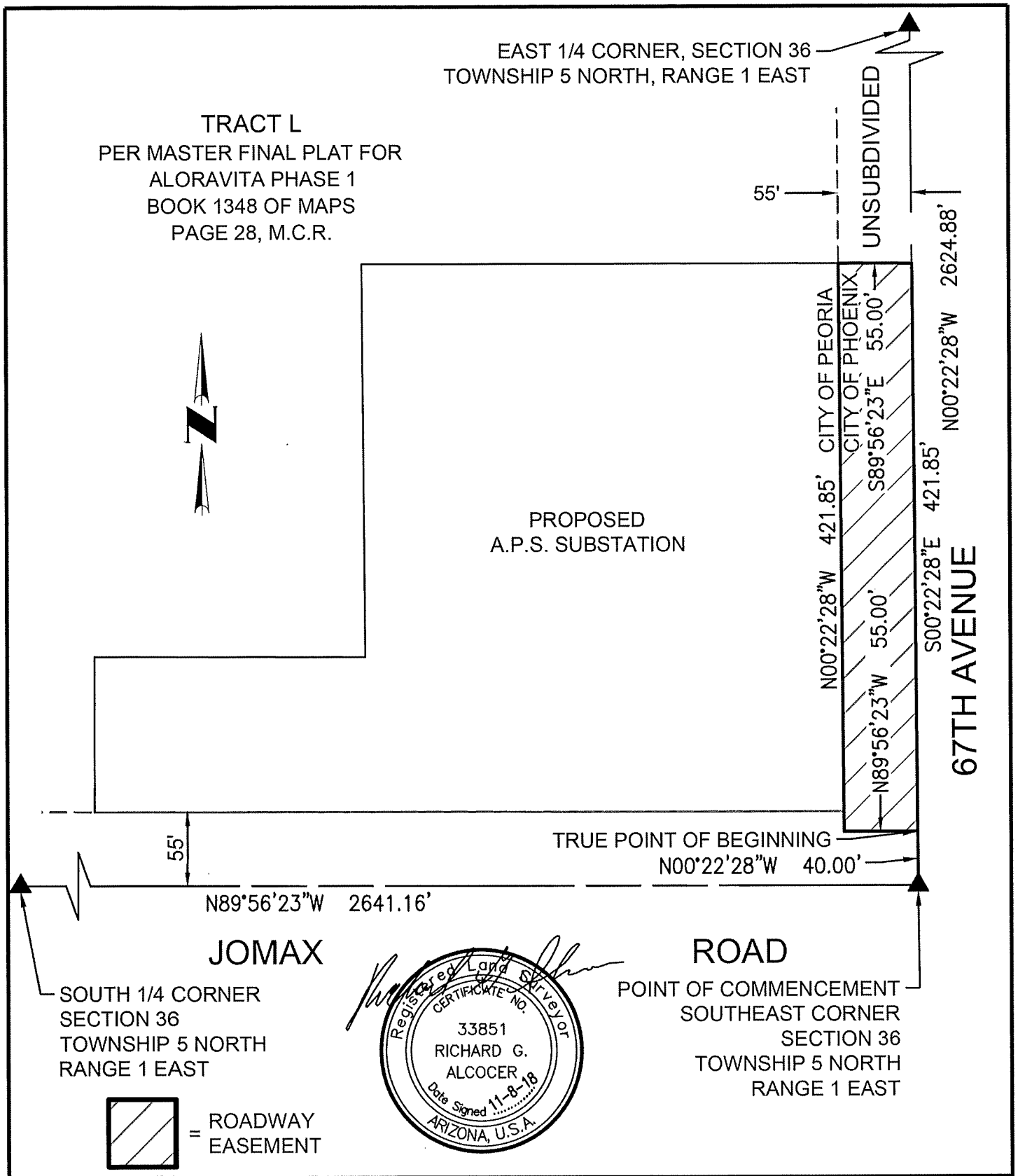
Thence South 00°22'28" East, along said East line, a distance of 421.85 feet to the True Point of Beginning.

Containing 23,202 Square Feet or 0.533 Acres, more or less.

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
33851
RICHARD G.
ALCOCER
Date Signed 11-8-18
ARIZONA, U.S.A.
Expires: 6/30/20

4550 N 12th Street | Phoenix AZ 85014 | 602.264.6831 | (F) 602.264.0928

CVL CONSULTANTS



SCALE 1" = 100'	ALORAVITA	CVL CONSULTANTS CELEBRATING 60 YEARS
EXHIBIT		
4550 North 12th Street Phoenix, Arizona 85014 Phone 602-264-6831 http://www.cvlci.com	A.P.S. SUBSTATION ROADWAY EASEMENT	1 OF 1

N:\01\0317901\Cadd\VX.LG.ROADWAYESMT.dwg **TomD November 8, 2018**

ALORAVITA SUBSTATION
ROADWAY EASEMENT

The date and time is
11/6/2018 10:33 AM

* FILEPATH / NAME:
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BOUNDARY

N89°56'23.0001" W 55.00

N00°22'27.8098" W 421.85

S89°56'23.0001" E 55.00

S00°22'28.0000" E 421.85
 to

Area = 23,202 0.533 AC

Closing course: 00°00'00.0000" 0.000000

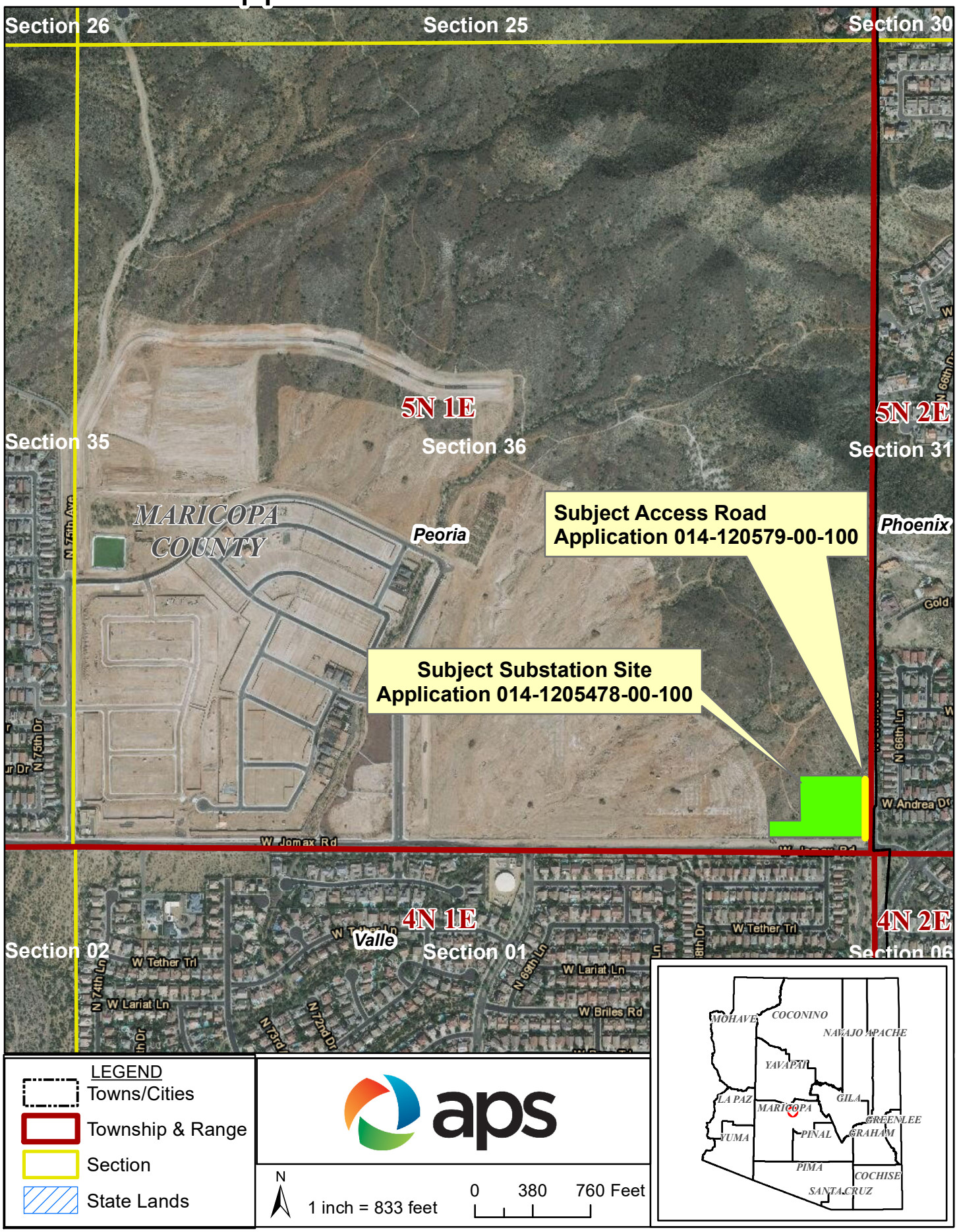
Misclosure: 1/Infinity

North Error: 0.000000
East Error: 0.000000

N:\01\0317901\Cadd\COGO\cb.legals.dwg

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
33851
RICHARD G.
ALCOCER
Date Signed 11-8-18
ARIZONA, U.S.A.
Expires: 6/30/20

Section 36 Map - Eagle Substation
ASLD Application 014-120578 & 9-00-100



APPENDIX B

HISTORICAL TITLE SEARCH

Allands

14947 W. Piccadilly Road, Goodyear, AZ 85395 • Phone: 623-535-7800 • Fax: 623-535-7900
www.allands.com • e-mail: sharon@allands.com

Historical Title and Environmental Research

HISTORICAL TITLE REPORT

YOUR FILE NO:

ALLANDS FILE NO: 2020-04-046T

Date of Report: April 21, 2020
Title Plant Date***: April 15, 2020
***The Title Plant Date reflects the most current data made available by the information sources used at the time the research was performed.

ALLANDS hereby reports a Historical Title Report to the land described below, subject to the items as shown in Schedule B. This is a historical title report ONLY and is neither a guarantee of title, a commitment to insure or a policy of title insurance. Allands is not responsible for errors in the available records. The total liability is limited to the fee paid for this report. This is a confidential, privileged and protected document for the use of Bender Environmental Consulting, Inc.

1. Title to the estate or interest covered by this report is vested in: THE STATE OF Arizona, BY AND THROUGH ITS STATE LAND DEPARTMENT

2. By virtue of that certain chain of title attached.

3. The land referred to in this report is located in Maricopa County, Arizona, described as follows:

Assessor's No.: 201-29-381

SEE LEGAL DESCRIPTION ATTACHED

SCHEDULE B

1. Grazing Lease No. LT-10861 dated 11-28-1923 to Aso Sheep Company; assigned to Laird-Evans Cattle Ranch on 2-4-1941; Number changed to G-69-S on 9-13-1944 and assigned to F. N. Bard on 10-3-1944; terminated 2-8-1966.

2. Grazing Lease No. G-3031-S dated 11-30-1966 to Skousen and Hastings Farms; assigned to Ken Garff on 3-16-1970 and further assigned to Page Land and Cattle Company on 9-4-1975; terminated 2-29-1980.

3. Oil Permit No. 63008 dated 4-26-1978 to the Anschutz corporation; Expired 4-26-1983.

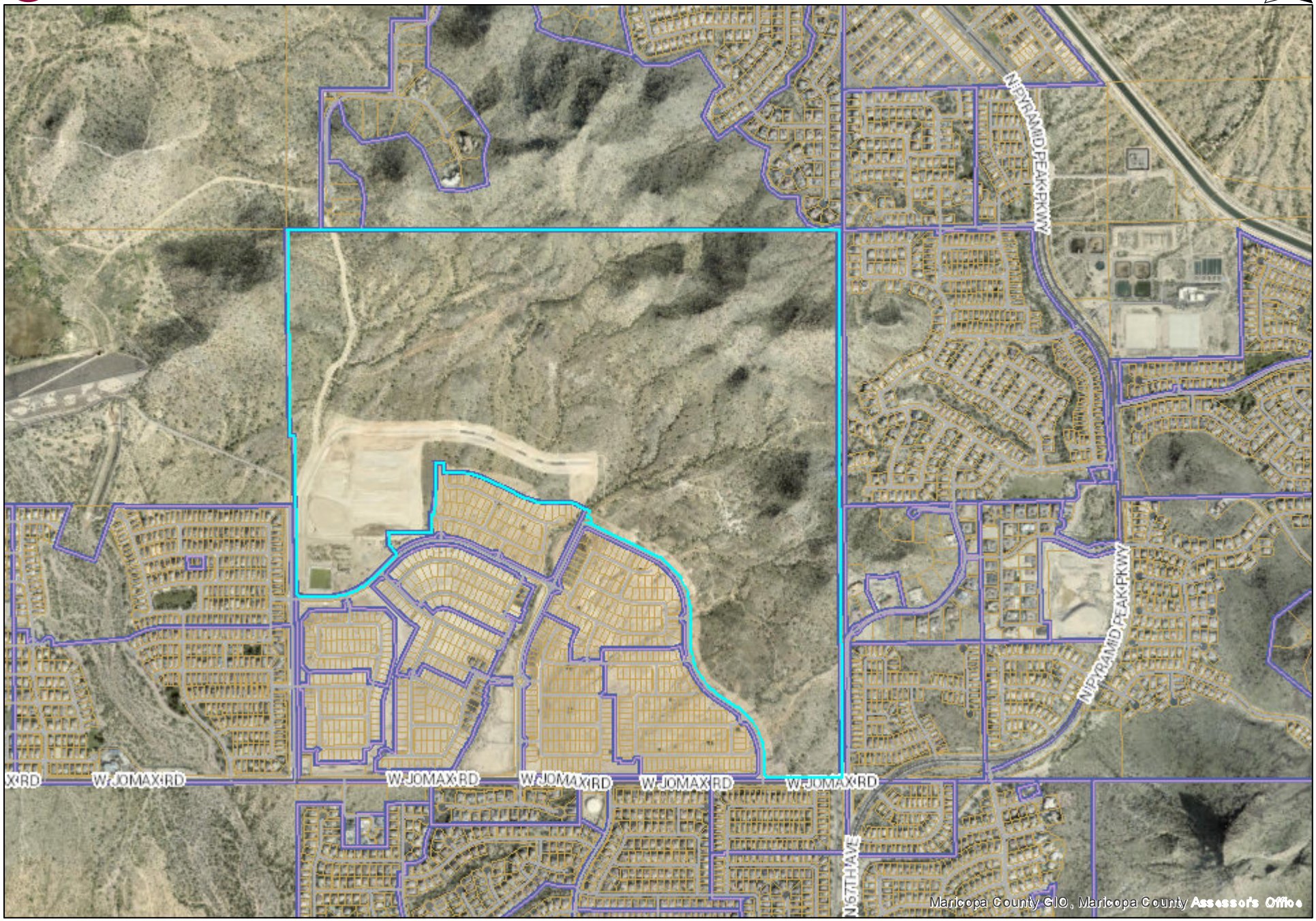
4. No VEMUR'S, DEUR'S; Environmental Liens, or activity and use limitations, if any, were found currently recorded against the property as searched at the subject county recorder's office. ***

*** A.R.S. 49-152. This states that the Director of the Arizona Department of Environmental Quality shall allow property owners, who have voluntarily elected to remediate their property for nonresidential uses, to record in the applicable county recorder's office a VEMUR limiting, by legal description, the area necessary to protect public health and the environment to nonresidential uses if contamination remains on the property at or above certain levels. In accordance with Arizona Administrative Code (A.A.C.) R18-7-201 et. Seq., a Declaration of Environmental Use Restriction (DEUR) is a voluntary notice to deed which restricts the use of a property to non-residential use. Effective July 18, 2000, the Declaration of Environmental Use Restriction (DEUR) replaced the Voluntary Environmental Mitigation Use Restriction (VEMUR) as a restrictive use covenant.

CHAIN OF TITLE

1. Conveyance from the United States of America to the state of Arizona by State School Selection on February 14, 1912, date of Statehood.

Map - APN 201-29-381



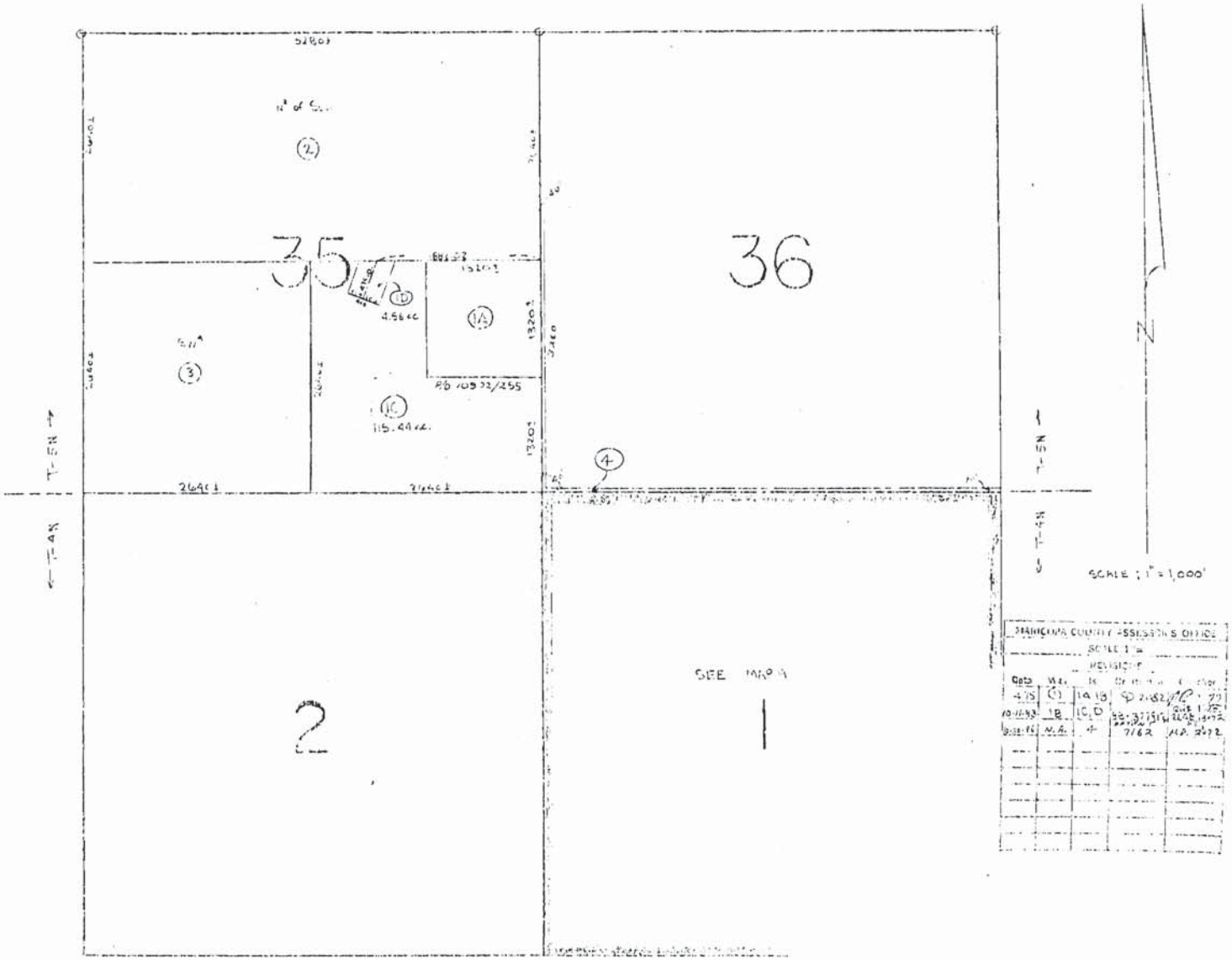
4/8/2020 2:28:01 PM

1-800-345-7334

SCALE IN 1/10 OF AN INCH

BOOK 201
MAP 20

PART OF T-5N, R-1E; SECTIONS 35, 36
PART OF T-4N, R-1E; SECTION 2

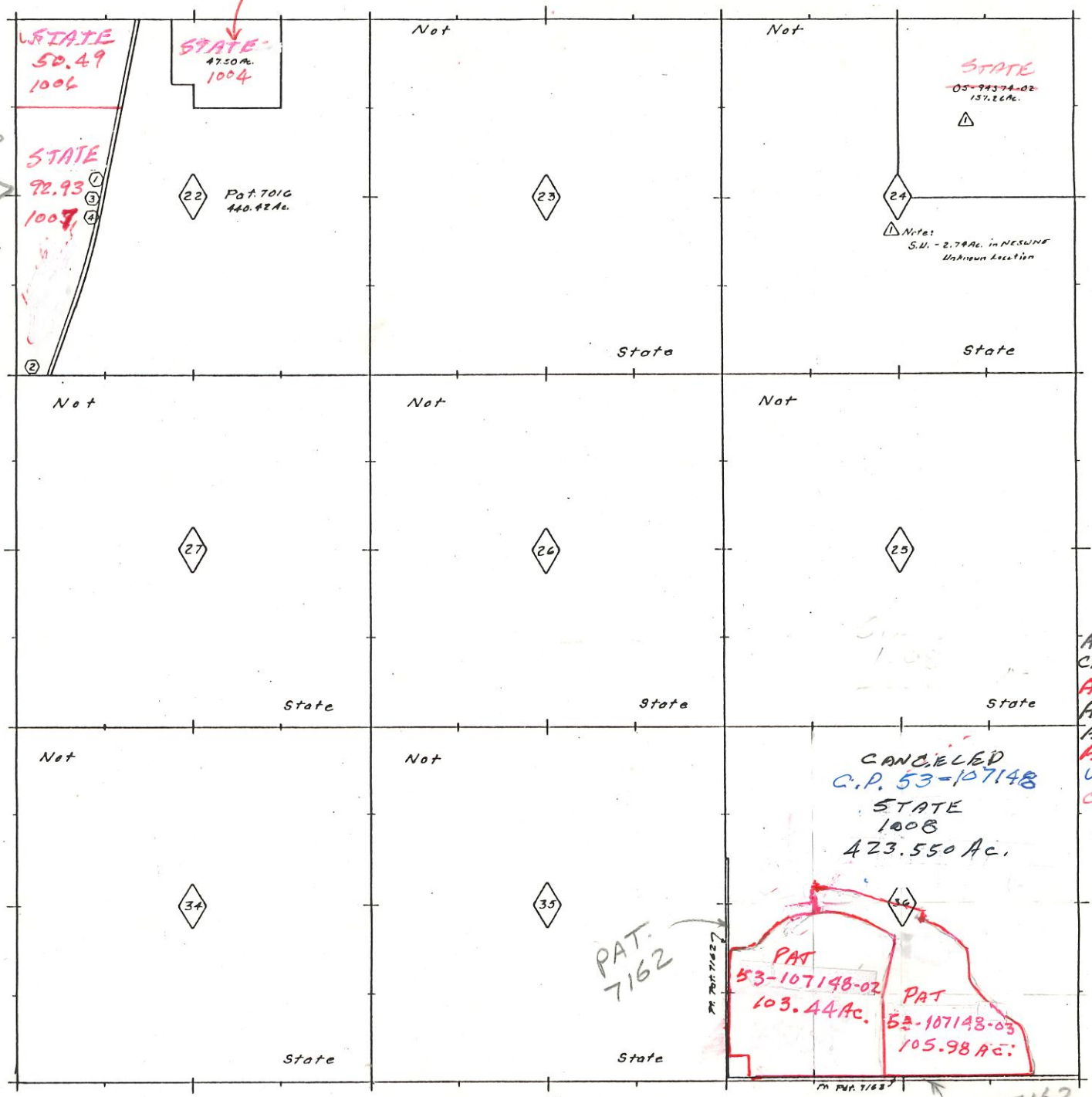


~~05-106705~~

Right-of-Way
1) 14-44324 - Thru W2 - 2
2) 16-96280 - S 25 ft of W 490 ft. - 2
3) 71-2327 - Thru W2 - 2
4) S.U. - No Record of R/W - 8.66 Ac. - 2

16-109440 36
18-113097 15
16-114853 22
16-119148 22
16-120412 36
16-121068 36

T 5N, R 1E
Sec. 22-27, 34-36
SE4



N

0 1 2
(1000 FEET)

RE-SURVEY
SEC 36 - 87-392 REV

ADD 16-121068 2/13/20
CAN. 53-107148 8/14/19 JN
ADD-53-107148-03 4/24/19
ADD 16-120412 3/14/19 JN
ADD 16-119148 11/13/18
ADD 53-107148-02 3/23/18
UPDATE SEC 36 9/14/17
CAN 05-94394 11/6/14
REV. 2.6.7 IVM
REV. 10.19.4 IVM
REV. 9-18-3 IVM
REV. 6-20-1 IVM

ARIZONA STATE
LAND DEPARTMENT
T 5N, R 1E
Sec. 22-27, 34-36
SE4
Maricopa CO.
Sheet 1 of 1
Date 24-93
Drawn by: H.D.C.

The Arizona State Land Department makes NO WARRANTIES, implied or expressed, with respect to information shown on these maps.

201-29-381 Land Parcel

This is a land parcel and the current owner is ALORAVITA I LLC-CP53-107148. It is located in the Aloravita North Phase 2 subdivision and MCR 143639. Its current year full cash value is $29,596,200.

Property Information

MCR #	143639
Description:	ALORAVITA NORTH PHASE 2 MASTER PLAT MCR 1436-39
Lat/Long	
Lot Size	18,000,280 sq ft.
Zoning	PCD
Lot #	
High School District	DEER VALLEY UNIFIED #97
Elementary School District	DEER VALLEY UNIFIED SCHOOL DISTRICT
Local Jurisdiction	PEORIA
S/T/R	36 5N 1E
Market Area/Neighborhood	15/003
Subdivision (7 Parcels)	ALORAVITA NORTH PHASE 2

Owner Information

ARIZONA STATE LAND DEPT

Mailing Address	11 COMMERCE CENTER DR, HENDERSON, NV 89104
Conto Owner	ALORAVITA I LLC-CP53-107148
Deed Number	070039956
Last Deed Date	01/10/2007
Sale Date	n/a
Sale Price	n/a

Valuation Information

We provide valuation information for the past 5 years. For mobile display, we only show 1 year of valuation information. Should you need more data, please look at our data sales.
The Valuation Information displayed below may not reflect the taxable value used on the tax bill due to any special valuation relief program. **CLICK HERE TO PAY YOUR TAXES OR VIEW YOUR TAX BILL**

Tax Year	**2021**	**2020**
Full Cash Value	$29,596,200	$30,598,800
Limited Property Value	$18,313,382	$17,441,316
Legal Class	2.R	2.R
Description	AG / VACANT LAND / NON-PROFIT R/P	AG / VACANT LAND / NON-PROFIT R/P
Assessment Ratio	15%	15%
Assessed LPV	$2,747,007	$2,616,197
Property Use Code	0011	0013
PU Description	Vacant Residential Land	Vacant Residential Land
Tax Area Code	971200	971200
Valuation Source	Notice	Notice

APPENDIX C

REGULATORY DATABASE INFORMATION

Government Records Report | 2020

Order Number: 40975

Report Generated: 04/27/2020

Project Name: Proposed Eagle Substation

Project Number: J200401

Proposed Eagle Substation
6732 W Jomax Rd
Peoria, Arizona 85383

2 Corporate Drive
Suite 450
Shelton, CT 06484
Toll Free: 866-211-2028
www.envirositecorp.com

Table of Contents

2020

Section	Page
Executive Summary	1
Executive Summary by Distance	2
Executive Summary by Database	3
Property Proximity Map	7
Area Map	8
Map Findings Summary	9
Unmappable Summary	14
Environmental Records Searched	15
Geological Landscape Section	32
Geological Landscape Section Soil Map	35
Geological Landscape Section Summary	36
Geological Findings Map	44
Geological Landscape Section Map Findings	45
Geological Landscape Section Map Findings Radon	58
Geological Landscape Records Searched	59

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Envirosite Corporation has conducted a search of all reasonably ascertainable records in accordance with EPA's AAI (40 CFR Part 312) requirements and the ASTM E-1527-13 Environmental Site Assessments standard.

SUBJECT PROPERTY INFORMATION:

ADDRESS:

Proposed Eagle Substation
6732 W Jomax Rd
Peoria, Arizona 85383

COORDINATES:

Latitude (North):	33.725480 - 33°43'31.7"
Longitude (West):	-112.204027 - -112°12'14.5"
Universal Transverse Mercator:	Zone 12N
UTM X (Meters):	388451.14
UTM Y (Meters):	3732369.22

ELEVATION:

Elevation:	1422.674 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH SUBJECT PROPERTY:

Subject Property Map: 33112-F2 Hedgpeth Hills, AZ
Most Recent Revision: 2018

No Mapped Sites

SUBJECT PROPERTY SEARCH RESULTS:

The subject property was not listed in any of the databases searched by Envirosite Corporation.

SEARCH RESULTS:

Following sites were unable to be mapped.

SITE NAME:	ADDRESS, CITY, ZIP:	DATABASE(S):
Not Reported	67TH DRIVE, PEORIA	ERNS
19TH AVE LANDFILL	1 MI S OF I 10 E ON 19 TH AV..., PHOENIX	ODI
40TH ST. LANDFILL	1 MI N OF I-10 (MP 152) ON T..., PHOENIX	ODI
88-375	67 AVE & BASELINE, PHOENIX	SPILLS - AZ
96-025-G	59 TO 67 AVE. & UNION HILLS ..., PHOENIX	SPILLS - AZ
98-128-E	204 AVE. & JOMAX RD., PHOENIX	SPILLS - AZ
ARIZONA RETREADERS, INC.	1842 W. CAROL AVENUE, PEORIA 85383	SWTIRE - AZ
CITY OF PHOENIX STATE ROUTE 85	28361 W PATTERSON RD	HIST SWF/LF - AZ
CONSTRUCTION YARD TANK	6650 WEST JOMAX ROAD, PEORIA	AST - AZ
DEER VALLEY	24802 N 14TH ST., PHOENIX	HIST SWF/LF - AZ
GLENN WEINBERGER LANDFILL	3425 S 43RD AVE.	HIST SWF/LF - AZ
GLENN WEINBERGER RAINBOW VALLEY	39500 S 99TH AVE	HIST SWF/LF - AZ
LONE CACTUS	21402 N 7TH ST	HIST SWF/LF - AZ
MESA PESTICIDES	POSTAL ADDRESS IS UNAVAILABLE FOR T...	CERCLIS-HIST, SEMS_8R_ACTIVE SITES
NEW RIVER TRANSFER STATION	41835 N. LAKE PLEASANT, PEORIA 85382	HIST SWF/LF - AZ
PAPAGO PARK POW CAMP	N/R, PHOENIX	FUDS
PEORIA AUTO FLUFF SITE	WEST DEER VALLEY ROAD AN..., PEORIA 85382	CERCLIS-HIST, FEDERAL FACILITY, SEMS_8R_ARCHIVED SITES
PHOENIX TERMINAL	SW COR OF 51ST & VAN BUREN, PHOENIX	LUST - AZ
ROADRUNNER TRUCKING	67 AVE. & RR TRACKS-BUCKEYE ..., PHOENIX	SPILLS - AZ
SARTORIS LANDFILL	1.5 MI E OF I-17 N ON END OF..., PHOENIX	ODI
SCOTTSDALE, CITY OF - SCOTTSDALE TRA...	8417 EAST UNION HILLS DRIVE 1/2 MI...	HIST SWF/LF - AZ
SMITH MILL SITE	TOWNSHIP 5 N RANGE 4 W	CERCLIS-HIST, SEMS_8R_ACTIVE SITES
UNKNOWN	59 TO 67 AVE. & UNION HILLS ..., PHOENIX	SPILLS - AZ
UNKNOWN	67 AVE & BASELINE, PHOENIX	SPILLS - AZ
UNKNOWN	204 AVE. & JOMAX RD., PHOENIX	SPILLS - AZ
UNKNOWN/COP	67 AVE & GRANT ST IN CULDESA..., PHOENIX	SPILLS - AZ
UNKNOWN/WILBUR-ELLIS CO.	BASELINE RD & 67 AVE., PHOENIX	SPILLS - AZ

DATABASE(S) WITH NO MAPPED SITES:

FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST

ARCHIVED RCRA TSDF	Archived Resource Conservation and Recovery Act: Treatment Storage and Disposal Facilities
RCRA_TSDF	Resource Conservation and Recovery Act: Treatment Storage and Disposal Facilities

FEDERAL CERCLIS LIST

CERCLIS NFRAP	Comprehensive Environmental Response Compensation and Liability Act No Further Remedial Action Planned
CERCLIS-HIST	Comprehensive Environmental Response Compensation and Liability Act
FEDERAL FACILITY	Federal Facility sites
SEMS_8R_ACTIVE SITES	Sites on SEMS Active Site Inventory
SEMS_8R_ARCHIVED SITES	Sites on SEMS Archived Site Inventory

FEDERAL RCRA CORRACTS FACILITIES LIST

CORRACTS	Hazardous Waste Corrective Action
HIST CORRACTS 2	Historical Hazardous Waste Corrective Action

FEDERAL DELISTED NPL SITE LIST

DELISTED NPL	Delisted National Priority List
DELISTED PROPOSED NPL	Delisted proposed National Priority List
SEMS_DELETED NPL	Sites Deleted from National Priorities List

FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

EPA LF MOP	EPA Landfill Methane Outreach Project Database

FEDERAL ERNS LIST

ERNS	Emergency Response Notification System

FEDERAL RCRA GENERATORS LIST

HIST RCRA_CESQG	Historical Resource Conservation and Recovery Act_Conditionally Exempt Small Quantity Generators
HIST RCRA_LQG	Historical Resource Conservation and Recovery Act_ Large Quantity Generators
HIST RCRA_NONGEN	Historical Resource Conservation and Recovery Act_Non Generators
HIST RCRA_SQG	Historical Resource Conservation and Recovery Act_Small Quantity Generators
RCRA_LQG	Resource Conservation and Recovery Act_ Large Quantity Generators
RCRA_NONGEN	Resource Conservation and Recovery Act_Non Generators
RCRA_SQG	Resource Conservation and Recovery Act_Small Quantity Generators
RCRA_VSQG	Resource Conservation and Recovery Act_Very Small Quantity Generator

FEDERAL NPL SITE LIST

NPL	National Priority List
NPL EPA R1 GIS	GIS for EPA Region 1 NPL
NPL EPA R3 GIS	GIS for EPA Region 3 NPL
NPL EPA R6 GIS	GIS for EPA Region 6 NPL
NPL EPA R8 GIS	GIS for EPA Region 8 NPL
NPL EPA R9 GIS	GIS for EPA Region 9 NPL
PART NPL	Part National Priority List
PROPOSED NPL	Proposed National Priority List
SEMS_FINAL NPL	Sites included on the Final National Priorities List
SEMS_PROPOSED NPL	Sites Proposed to be Added to the National Priorities List

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

RCRA IC_EC	RCRA sites with Institutional and Engineering Controls
FED E C	Engineering Controls
FED I C	Institutional Controls

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS

FEMA UST	FEMA Underground Storage Tanks
INDIAN UST R1	Underground Storage Tanks on Indian Land in EPA Region 1
INDIAN UST R10	Underground Storage Tanks on Indian Land in EPA Region 10
INDIAN UST R2	Underground Storage Tanks on Indian Land in EPA Region 2
INDIAN UST R4	Underground Storage Tanks on Indian Land in EPA Region 4
INDIAN UST R5	Underground Storage Tanks on Indian Land in EPA Region 5
INDIAN UST R6	Underground Storage Tanks on Indian Land in EPA Region 6
INDIAN UST R7	Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN UST R8	Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN UST R9	Underground Storage Tanks on Indian Land in EPA Region 9
AST - AZ	Aboveground Storage Tanks
HIST UST - AZ	Historical Underground Storage Tanks
UST - AZ	Underground Storage Tanks

STATE- AND TRIBAL - EQUIVALENT CERCLIS

AZURITE - AZ	AZURITE Remediation Sites

STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

HIST SWF/LF - AZ	Historical Solid Waste Facilities and Landfills
SWF/LF - AZ	Solid Waste Facilities and Landfills

STATE AND TRIBAL LEAKING STORAGE TANK LISTS

INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land in EPA Region 1
INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land in EPA Region 10
INDIAN LUST R2	Leaking Underground Storage Tanks on Indian Land in EPA Region 2
INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land in EPA Region 4
INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land in EPA Region 5
INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land in EPA Region 6
INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land in EPA Region 9
LUST - AZ	Leaking Underground Storage Tanks

STATE- AND TRIBAL - EQUIVALENT NPL

SPL - AZ	Superfund Program List
WQARF - AZ	Water Quality Assurance Revolving Fund

STATE AND TRIBAL VOLUNTARY CLEANUP SITES

VCP BROWNFIELDS - AZ	Voluntarily Cleanup and Brownfield Program sites

STATE AND TRIBAL BROWNFIELD SITES

TRIBAL BROWNFIELDS	Tribal Brownfields

LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES

FED CDL	DOJ Clandestine Drug Labs
US HIST CDL	Historical Clandestine Drug Labs
CDL - AZ	Clandestine Drug Labs

RECORDS OF EMERGENCY RELEASE REPORTS

HMIRS (DOT)	Hazardous Materials Information Reporting Systems
SPILLS - AZ	Spills

LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES

HIST INDIAN ODI R8	Historical Open Dump Inventory
INDIAN ODI R8	Open Dump Inventory
ODI	Open Dump Inventory
TRIBAL ODI	Indian Open Dump Inventory Sites
SWTIRE - AZ	Waste Tire Facilities

LOCAL BROWNFIELD LISTS

BROWNFIELDS-ACRES	EPA ACRES Brownfields
FED BROWNFIELDS	Federal Brownfields

LOCAL LAND RECORDS

LIENS 2	CERCLA Lien Information

OTHER ASCERTAINABLE RECORDS

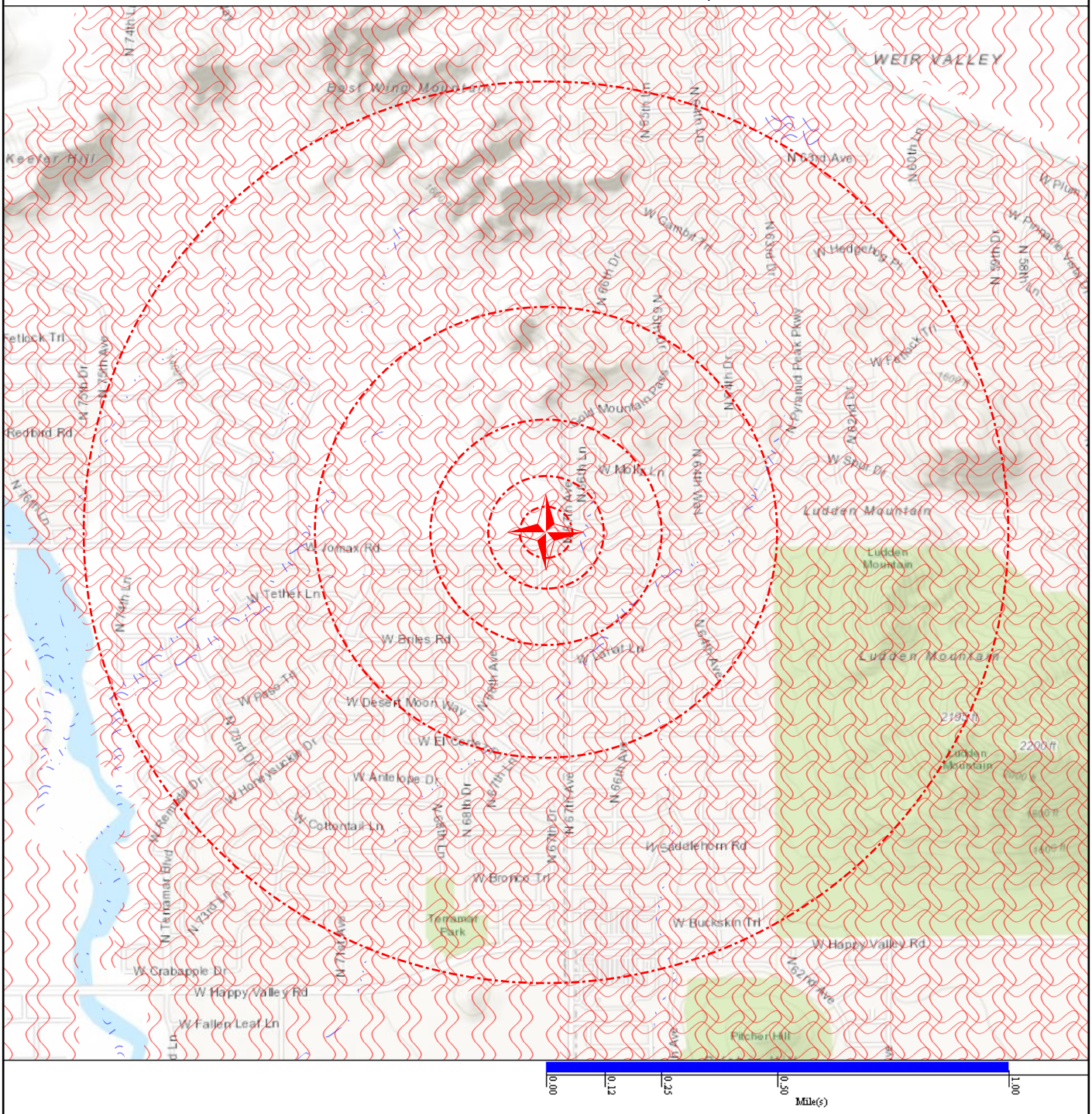
AFS	Air Facility Systems
ALT FUELING	Alternative Fueling Stations
BRS	Biennial Reporting Systems
CDC HAZDAT	Hazardous Substance Release and Health Effects Information
COAL ASH DOE	Coal Ash: Department of Energy
COAL ASH EPA	Coal Ash: Environmental Protection Agency
COAL GAS	Coal Gas Plants
CONSENT (DECREES)	Superfund Consent Decree
DEBRIS R5 LF	Disaster Debris Landfill Data

OTHER ASCERTAINABLE RECORDS *(cont.)*

DEBRIS R5 SWRCY	Disaster Debris Recovery Data
DOD	Department of Defense
DOT OPS	Department of Transportation Office of Pipeline Safety
ECHO	EPA Enforcement and Compliance History Online
ENOI	Electronic Notice of Intent
EPA FUELS	EPA Fuels Registration, Reporting, and Compliance List
EPA OSC	EPA On-Site Coordinator
EPA WATCH	EPA Watch List
FA HWF	Financial Assurance for Hazardous Waste Facilities
FEDLAND	Federal Lands
FRS	Facility Index Systems
FTTS	FIFRA/TSCA Tracking System
FTTS INSP	FIFRA/TSCA Tracking System: Inspections
FUDS	Formerly Used Defense Sites
HIST AFS	Historical Air Facility Systems
HIST AFS 2	Historical Air Facility Systems
HIST DOD	Department of Defense historical sites
HIST LEAD_SMELTER	Historical Lead Smelter Sites
HIST MLTS	Historical Material Licensing Tracking Systems
HIST PCB TRANS	Historical Polychlorinated Biphenyl (PCB) Facilities
HIST SSTS	Historical Section 7 Tracking Systems
HWC DOCKET	Hazardous Waste Compliance Docket
ICIS	Integrated Compliance Information System
INDIAN RESERVATION	Indian Reservations
LUCIS	Land Use Control Information Systems
LUCIS 2	Land Use Control Information Systems 2
MINES	Mines
MINES USGS	Mines list from USGS
MLTS	Material Licensing Tracking Systems
NPL AOC	Areas related to NPL remediation sites
NPL LIENS	National Priority List Liens
OSHA	Occupational Safety & Health Administration
PADS	PCB Activity Database Systems
PCB TRANSFORMER	Polychlorinated Biphenyl (PCB) Waste
RAATS	RCRA Administrative Action Tracking Systems
RADINFO	Radiation Information Systems
RMP	Risk Management Plans
ROD	Record of Decision
SCRD DRYCLEANERS	SCRD Drycleaners
SEMS_SMELTER	Sites on SEMS Potential Smelter Activity
SSTS	Section 7 Tracking Systems
STORMWATER	Storm Water Permits
TOSCA-PLANT	Toxic Substance Control Act: Plants
TRIS	Toxic Release Inventory Systems
UMTRA	Uranium Mill Tailing Sites
VAPOR	EPA Vapor Intrusion
CORRECTIVE ACTIONS_2020	Wastes - Hazardous Waste - Corrective Action
AIRS - AZ	Air Permits
AOC - AZ	Areas of Concern
AUL - AZ	Activity Use Limitations
DAYCARE - AZ	Daycare Listing
DOD - AZ	Department of Defense
DRY WELL - AZ	Drywell Registration
DRYCLEANERS - AZ	Drycleaner Facility Listing
HIST AUL - AZ	Historical Activity Use Limitations sites
HIST DRYCLEANERS - AZ	Historical Drycleaner Facility Listing
MANIFEST - AZ	Manifest Information
WWTP - AZ	Waste Water Treatment Plants

SUBJECT NAME: Proposed Eagle Substation
ADDRESS: 6732 W Jomax Rd, Peoria, Arizona, 85383
LAT/LONG: 33.725480 / -112.204027

PREPARED FOR: Bender Environmental Consulting Inc
ORDER #: 40975
REPORT DATE: April 27, 2020



- Subject Property
- CDC HAZDAT (No Data)
- Federal Lands (No Data)
- Indian Reservation (No Data)
- Equal/Higher Elevation
- Department of Defense (No Data)
- FEMA FloodZone 100 (No Data)
- National Priority List (No Data)
- Lower Elevation
- DFIRM Floodzone 100 (No Data)
- FEMA FloodZone 500
- NWI
- Area Of Concern (No Data)
- DFIRM Floodzone 500
- Historical DOD (No Data)

SUBJECT NAME: Proposed Eagle Substation
ADDRESS: 6732 W Jomax Rd, Peoria, Arizona, 85383
LAT/LONG: 33.725480 / -112.204027

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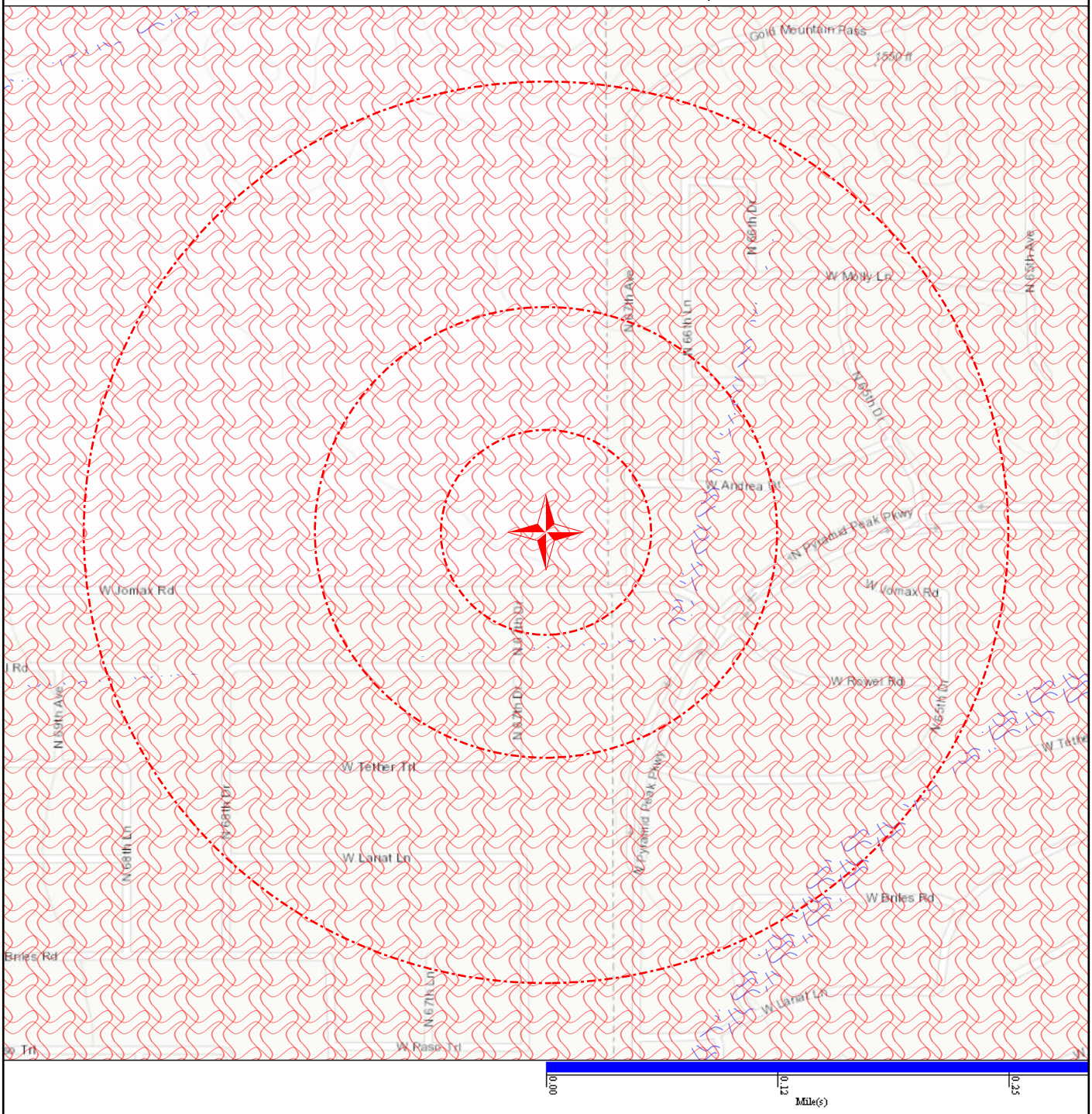


- Subject Property
- CDC HAZDAT (No Data)
- Federal Lands (No Data)
- Indian Reservation (No Data)
- Equal/Higher Elevation
- Department of Defense (No Data)
- FEMA FloodZone 100 (No Data)
- National Priority List (No Data)
- Lower Elevation
- DFIRM Floodzone 100 (No Data)
- FEMA FloodZone 500
- NWI
- Area Of Concern (No Data)
- DFIRM Floodzone 500
- Historical DOD (No Data)

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST								
ARCHIVED RCRA TSDF		0.500	0	0	0	--	--	0
RCRA_TSDF		0.500	0	0	0	--	--	0
FEDERAL CERCLIS LIST								
CERCLIS NFRAP		0.500	0	0	0	--	--	0
CERCLIS-HIST		0.500	0	0	0	--	--	0
FEDERAL FACILITY		1.000	0	0	0	0	--	0
SEMS_8R_ACTIVE SITES		0.500	0	0	0	--	--	0
SEMS_8R_ARCHIVED SITES		0.500	0	0	0	--	--	0
FEDERAL RCRA CORRACTS FACILITIES LIST								
CORRACTS		1.000	0	0	0	0	--	0
HIST CORRACTS 2		1.000	0	0	0	0	--	0
FEDERAL DELISTED NPL SITE LIST								
DELISTED NPL		1.000	0	0	0	0	--	0
DELISTED PROPOSED NPL		1.000	0	0	0	0	--	0
SEMS_DELETED NPL		1.000	0	0	0	0	--	0
FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS								
EPA LF MOP		0.500	0	0	0	--	--	0
FEDERAL ERNS LIST								
ERNS		SP	0	--	--	--	--	0
FEDERAL RCRA GENERATORS LIST								
HIST RCRA_CESQG		0.250	0	0	--	--	--	0
HIST RCRA_LQG		0.250	0	0	--	--	--	0
HIST RCRA_NONGEN		0.250	0	0	--	--	--	0
HIST RCRA_SQG		0.250	0	0	--	--	--	0
RCRA_LQG		0.250	0	0	--	--	--	0
RCRA_NONGEN		0.250	0	0	--	--	--	0
RCRA_SQG		0.250	0	0	--	--	--	0
RCRA_VSQG		0.250	0	0	--	--	--	0
FEDERAL NPL SITE LIST								
NPL		1.000	0	0	0	0	--	0
NPL EPA R1 GIS		1.000	0	0	0	0	--	0
NPL EPA R3 GIS		1.000	0	0	0	0	--	0
NPL EPA R6 GIS		1.000	0	0	0	0	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
FEDERAL NPL SITE LIST *(cont.)*								
NPL EPA R8 GIS		1.000	0	0	0	0	--	0
NPL EPA R9 GIS		1.000	0	0	0	0	--	0
PART NPL		1.000	0	0	0	0	--	0
PROPOSED NPL		1.000	0	0	0	0	--	0
SEMS_FINAL NPL		1.000	0	0	0	0	--	0
SEMS_PROPOSED NPL		1.000	0	0	0	0	--	0
FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES								
RCRA IC_EC		0.250	0	0	--	--	--	0
FED E C		0.500	0	0	0	--	--	0
FED I C		0.500	0	0	0	--	--	0
STATE AND TRIBAL REGISTERED STORAGE TANK LISTS								
FEMA UST		0.250	0	0	--	--	--	0
INDIAN UST R1		0.250	0	0	--	--	--	0
INDIAN UST R10		0.250	0	0	--	--	--	0
INDIAN UST R2		0.250	0	0	--	--	--	0
INDIAN UST R4		0.250	0	0	--	--	--	0
INDIAN UST R5		0.250	0	0	--	--	--	0
INDIAN UST R6		0.250	0	0	--	--	--	0
INDIAN UST R7		0.250	0	0	--	--	--	0
INDIAN UST R8		0.250	0	0	--	--	--	0
INDIAN UST R9		0.250	0	0	--	--	--	0
AST - AZ		0.250	0	0	--	--	--	0
HIST UST - AZ		0.250	0	0	--	--	--	0
UST - AZ		0.250	0	0	--	--	--	0
STATE- AND TRIBAL - EQUIVALENT CERCLIS								
AZURITE - AZ		0.500	0	0	0	--	--	0
STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS								
HIST SWF/LF - AZ		0.500	0	0	0	--	--	0
SWF/LF - AZ		0.500	0	0	0	--	--	0
STATE AND TRIBAL LEAKING STORAGE TANK LISTS								
INDIAN LUST R1		0.500	0	0	0	--	--	0
INDIAN LUST R10		0.500	0	0	0	--	--	0
INDIAN LUST R2		0.500	0	0	0	--	--	0
INDIAN LUST R4		0.500	0	0	0	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
STATE AND TRIBAL LEAKING STORAGE TANK LISTS *(cont.)*								
INDIAN LUST R5		0.500	0	0	0	--	--	0
INDIAN LUST R6		0.500	0	0	0	--	--	0
INDIAN LUST R7		0.500	0	0	0	--	--	0
INDIAN LUST R8		0.500	0	0	0	--	--	0
INDIAN LUST R9		0.500	0	0	0	--	--	0
LUST - AZ		0.500	0	0	0	--	--	0
STATE- AND TRIBAL - EQUIVALENT NPL								
SPL - AZ		1.000	0	0	0	0	--	0
WQARF - AZ		1.000	0	0	0	0	--	0
STATE AND TRIBAL VOLUNTARY CLEANUP SITES								
VCP BROWNFIELDS - AZ		0.500	0	0	0	--	--	0
STATE AND TRIBAL BROWNFIELD SITES								
TRIBAL BROWNFIELDS		0.500	0	0	0	--	--	0
LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES								
FED CDL		SP	0	--	--	--	--	0
US HIST CDL		SP	0	--	--	--	--	0
CDL - AZ		SP	0	--	--	--	--	0
RECORDS OF EMERGENCY RELEASE REPORTS								
HMIRS (DOT)		SP	0	--	--	--	--	0
SPILLS - AZ		0.125	0	--	--	--	--	0
LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES								
HIST INDIAN ODI R8		0.500	0	0	0	--	--	0
INDIAN ODI R8		0.500	0	0	0	--	--	0
ODI		0.500	0	0	0	--	--	0
TRIBAL ODI		0.500	0	0	0	--	--	0
SWTIRE - AZ		0.500	0	0	0	--	--	0
LOCAL BROWNFIELD LISTS								
BROWNFIELDS-ACRES		0.500	0	0	0	--	--	0
FED BROWNFIELDS		0.500	0	0	0	--	--	0
LOCAL LAND RECORDS								
LIENS 2		SP	0	--	--	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
OTHER ASCERTAINABLE RECORDS								
AFS		SP	0	--	--	--	--	0
ALT FUELING		0.250	0	0	--	--	--	0
BRS		SP	0	--	--	--	--	0
CDC HAZDAT		1.000	0	0	0	0	--	0
COAL ASH DOE		0.500	0	0	0	--	--	0
COAL ASH EPA		0.500	0	0	0	--	--	0
COAL GAS		1.000	0	0	0	0	--	0
CONSENT (DECREES)		1.000	0	0	0	0	--	0
DEBRIS R5 LF		0.500	0	0	0	--	--	0
DEBRIS R5 SWRCY		0.500	0	0	0	--	--	0
DOD		1.000	0	0	0	0	--	0
DOT OPS		SP	0	--	--	--	--	0
ECHO		SP	0	--	--	--	--	0
ENOI		SP	0	--	--	--	--	0
EPA FUELS		SP	0	--	--	--	--	0
EPA OSC		SP	0	--	--	--	--	0
EPA WATCH		SP	0	--	--	--	--	0
FA HWF		SP	0	--	--	--	--	0
FEDLAND		1.000	0	0	0	0	--	0
FRS		SP	0	--	--	--	--	0
FTTS		SP	0	--	--	--	--	0
FTTS INSP		SP	0	--	--	--	--	0
FUDS		1.000	0	0	0	0	--	0
HIST AFS		SP	0	--	--	--	--	0
HIST AFS 2		SP	0	--	--	--	--	0
HIST DOD		1.000	0	0	0	0	--	0
HIST LEAD_SMELTER		SP	0	--	--	--	--	0
HIST MLTS		SP	0	--	--	--	--	0
HIST PCB TRANS		SP	0	--	--	--	--	0
HIST SSTS		SP	0	--	--	--	--	0
HWC DOCKET		SP	0	--	--	--	--	0
ICIS		SP	0	--	--	--	--	0
INDIAN RESERVATION		1.000	0	0	0	0	--	0
LUCIS		0.500	0	0	0	--	--	0
LUCIS 2		0.500	0	0	0	--	--	0
MINES		0.250	0	0	--	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
OTHER ASCERTAINABLE RECORDS *(cont.)*								
MINES USGS		0.250	0	0	--	--	--	0
MLTS		SP	0	--	--	--	--	0
NPL AOC		1.000	0	0	0	0	--	0
NPL LIENS		SP	0	--	--	--	--	0
OSHA		SP	0	--	--	--	--	0
PADS		SP	0	--	--	--	--	0
PCB TRANSFORMER		SP	0	--	--	--	--	0
RAATS		SP	0	--	--	--	--	0
RADINFO		SP	0	--	--	--	--	0
RMP		0.500	0	0	0	--	--	0
ROD		1.000	0	0	0	0	--	0
SCRD DRYCLEANERS		0.250	0	0	--	--	--	0
SEMS_SMELTER		SP	0	--	--	--	--	0
SSTS		SP	0	--	--	--	--	0
STORMWATER		SP	0	--	--	--	--	0
TOSCA-PLANT		SP	0	--	--	--	--	0
TRIS		SP	0	--	--	--	--	0
UMTRA		0.500	0	0	0	--	--	0
VAPOR		0.500	0	0	0	--	--	0
CORRECTIVE ACTIONS_2020		0.500	0	0	0	--	--	0
AIRS - AZ		SP	0	--	--	--	--	0
AOC - AZ		1.000	0	0	0	0	--	0
AUL - AZ		0.500	0	0	0	--	--	0
DAYCARE - AZ		SP	0	--	--	--	--	0
DOD - AZ		1.000	0	0	0	0	--	0
DRY WELL - AZ		SP	0	--	--	--	--	0
DRYCLEANERS - AZ		0.250	0	0	--	--	--	0
HIST AUL - AZ		0.500	0	0	0	--	--	0
HIST DRYCLEANERS - AZ		0.250	0	0	--	--	--	0
MANIFEST - AZ		0.250	0	0	--	--	--	0
WWTP - AZ		SP	0	--	--	--	--	0

ENVIROSITE ID	NAME	ADDRESS	CITY	ZIP	DATABASE(S)
354442408	N/R	67TH DRIVE	PEORIA		ERNS
342094913	19TH AVE LANDFILL	1 MI S OF I 10 E ON 19 TH...	PHOENIX		ODI
317715194	40TH ST. LANDFILL	1 MI N OF I-10 (MP 152) O...	PHOENIX		ODI
410843973	88-375	67 AVE & BASELINE	PHOENIX		SPILLS - AZ
410844525	96-025-G	59 TO 67 AVE. & UNION HIL...	PHOENIX		SPILLS - AZ
410844624	98-128-E	204 AVE. & JOMAX RD.	PHOENIX		SPILLS - AZ
356220545	ARIZONA RETREADERS, INC.	1842 W. CAROL AVENUE	PEORIA	85383	SWTIRE - AZ
409249973	CITY OF PHOENIX STATE ROU...	28361 W PATTERSON RD			HIST SWF/LF - AZ
344918998	CONSTRUCTION YARD TANK	6650 WEST JOMAX ROAD	PEORIA		AST - AZ
409249974	DEER VALLEY	24802 N 14TH ST.	PHOENIX		HIST SWF/LF - AZ
409249975	GLENN WEINBERGER LANDFILL	3425 S 43RD AVE.			HIST SWF/LF - AZ
409249976	GLENN WEINBERGER RAINBOW ...	39500 S 99TH AVE			HIST SWF/LF - AZ
409249979	LONE CACTUS	21402 N 7TH ST			HIST SWF/LF - AZ
356266465	MESA PESTICIDES	POSTAL ADDRESS IS UNAVAIL...			CERCLIS-HIST, SEMS_8...
409047895	NEW RIVER TRANSFER STATIO...	41835 N. LAKE PLEASANT	PEORIA	85382	HIST SWF/LF - AZ
3551426	PAPAGO PARK POW CAMP		PHOENIX		FUDS
451894	PEORIA AUTO FLUFF SITE	WEST DEER VALLEY ROAD AND...	PEORIA	85382	CERCLIS-HIST, FEDERA...
400655026	PHOENIX TERMINAL	SW COR OF 51ST & VAN BURE...	PHOENIX		LUST - AZ
10654795	ROADRUNNER TRUCKING	67 AVE. & RR TRACKS-BUCKE...	PHOENIX		SPILLS - AZ
317715192	SARTORIS LANDFILL	1.5 MI E OF I-17 N ON END...	PHOENIX		ODI
409047925	SCOTTSDALE, CITY OF - SCO...	8417 EAST UNION HILLS DRI...			HIST SWF/LF - AZ
1336894	SMITH MILL SITE	TOWNSHIP 5 N, RANGE 4 W,			CERCLIS-HIST, SEMS_8...
354074285	UNKNOWN	59 TO 67 AVE. & UNION HIL...	PHOENIX		SPILLS - AZ
354074309	UNKNOWN	67 AVE & BASELINE	PHOENIX		SPILLS - AZ
354074075	UNKNOWN	204 AVE. & JOMAX RD.	PHOENIX		SPILLS - AZ
10656363	UNKNOWN/COP	67 AVE & GRANT ST IN CULD...	PHOENIX		SPILLS - AZ
10656767	UNKNOWN/WILBUR-ELLIS CO.	BASELINE RD & 67 AVE.	PHOENIX		SPILLS - AZ

FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST

ARCHIVED RCRA TSDF: Resource Conservation and Recovery Act hazardous waste transportation storage disposal and treatment facilities

Agency Version Date: 02/10/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 07/23/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 04/24/2020

RCRA_TSDF: Resource Conservation and Recovery Act hazardous waste transportation storage disposal and treatment facilities

Agency Version Date: 02/10/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 07/23/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 04/24/2020

FEDERAL CERCLIS LIST

CERCLIS NFRAP: The CERCLIS sites with No Further Remedial Action Planned from the CERCLIS program database. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 03/16/2020

CERCLIS-HIST: The CERCLIS program database contains information on the assessment and remediation of federal hazardous waste sites. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 03/16/2020

FEDERAL FACILITY: Sites where Federal Facilities Restoration and Reuse Office (FFRRO) arranged cleanup for Base Closure and Property Transfer at Federal Facilities

Agency Version Date: 12/19/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8712
Most Recent Contact: 03/16/2020

SEMS_8R_ACTIVE SITES: The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. NPL sites include latitude and longitude information. For non-NPL sites, a brief site status is provided.

Agency Version Date: 12/19/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

SEMS_8R_ARCHIVED SITES: The Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

FEDERAL RCRA CORRACTS FACILITIES LIST

CORRACTS: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases

Agency Version Date: 02/10/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 07/23/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 04/24/2020

HIST CORRACTS 2: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/26/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 03/30/2020

FEDERAL DELISTED NPL SITE LIST

DELISTED NPL: National Priority List of sites that were delisted and no longer require action

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

DELISTED PROPOSED NPL: Sites that have been delisted from the proposed National Priority List

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

SEMS_DELETED NPL: All Deleted National Priority List Sties

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

EPA LF MOP: Sites in the EPA Landfill Methane Outreach Program

Agency Version Date: 02/10/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 07/17/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/20/2020

FEDERAL ERNS LIST

ERNS: Emergency Response Notification System records of reported spills

Agency Version Date: 01/08/2020
Agency Update Frequency: Annually
Planned Next Contact: 05/20/2020
Agency: National Response Center United States Coast Guard
Agency Contact: N/R
Most Recent Contact: 03/18/2020

FEDERAL RCRA GENERATORS LIST

HIST RCRA_CESQG: List of Resource Conservation and Recovery Act licensed conditionally exempt small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/26/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/30/2020

FEDERAL RCRA GENERATORS LIST (cont.)

HIST RCRA_LQG: List of Resource Conservation and Recovery Act licensed large quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/26/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/30/2020

HIST RCRA_NONGEN: List of Resource Conservation and Recovery Act licensed non-generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/26/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/30/2020

HIST RCRA_SQG: List of Resource Conservation and Recovery Act licensed small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/26/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/30/2020

RCRA_LQG: Resource Conservation and Recovery Act listing of licensed large quantity generators

Agency Version Date: 02/10/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 07/23/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 04/24/2020

RCRA_NONGEN: Resource Conservation and Recovery Act listing of licensed non-generators

Agency Version Date: 02/10/2020
Agency Update Frequency: Varies
Planned Next Contact: 07/23/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 04/24/2020

RCRA_SQG: Resource Conservation and Recovery Act listing of licensed small quantity generators

Agency Version Date: 02/10/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 07/23/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 04/24/2020

RCRA_VSQG: Resource Conservation and Recovery Act listing of licensed very small quantity generators.

Agency Version Date: 02/10/2020
Agency Update Frequency: Varies
Planned Next Contact: 07/23/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 04/24/2020

FEDERAL NPL SITE LIST

NPL: List of priority contaminated sites among identified releases or threatened releases of hazardous substances pollutants or contaminants nationally

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

NPL EPA R1 GIS: Geospatial data for the Environmental Protection Agency Region 1 National Priority List subject to environmental regulation

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 03/16/2020

FEDERAL NPL SITE LIST (cont.)

NPL EPA R3 GIS: Geospatial data for the Environmental Protection Agency Region 3 National Priority List subject to environmental regulation

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 03/16/2020

NPL EPA R6 GIS: Geospatial data for the Environmental Protection Agency Region 6 National Priority List subject to environmental regulation

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 03/16/2020

NPL EPA R8 GIS: Geospatial data for the Environmental Protection Agency Region 8 National Priority List subject to environmental regulation

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 03/16/2020

NPL EPA R9 GIS: Geospatial data for the Environmental Protection Agency Region 9 National Priority List subject to environmental regulation

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 03/16/2020

PART NPL: Sites that are a part of an National Priority List site referred to as the parent site

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

PROPOSED NPL: Sites that have been proposed for the National Priority List

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

SEMS_FINAL NPL: All Included National Priority List Sites

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

SEMS_PROPOSED NPL: All Proposed National Priority List Sites

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

RCRA IC_EC: Sites with institutional or engineering controls related to Resource Conservation and Recovery Act

Agency Version Date: 01/14/2020
Agency Update Frequency: Varies
Planned Next Contact: 06/02/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/24/2020

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES (cont.)

Fed E C: Federal listing of remediation sites with engineering controls

Agency Version Date: 09/30/2013
Agency Update Frequency: Varies
Planned Next Contact: 06/29/2020

Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 04/01/2020

Fed I C: Federal listing of remediation sites with institutional controls

Agency Version Date: 09/30/2013
Agency Update Frequency: Varies
Planned Next Contact: 06/29/2020

Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 04/01/2020

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS

FEMA UST: FEMA underground storage tank listing

Agency Version Date: 06/21/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/30/2020

Agency: FEMA
Agency Contact: 202-212-5283
Most Recent Contact: 02/04/2020

INDIAN UST R1: Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 03/03/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/12/2020

Agency: U.S. Environmental Protection Agency Region 1
Agency Contact: 855-246-3642
Most Recent Contact: 03/03/2020

INDIAN UST R10: Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 10/11/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 06/08/2020

Agency: U.S. Environmental Protection Agency Region 10
Agency Contact: 855-246-3642
Most Recent Contact: 03/30/2020

INDIAN UST R2: Underground Storage Tanks on Indian Land in EPA Region 2

Agency Version Date: 12/07/2016
Agency Update Frequency: Quarterly
Planned Next Contact: 05/18/2020

Agency: U.S. Environmental Protection Agency Region 2
Agency Contact: 855-246-3642
Most Recent Contact: 03/09/2020

INDIAN UST R4: Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 10/10/2019
Agency Update Frequency: Semi Annually
Planned Next Contact: 06/08/2020

Agency: U.S. Environmental Protection Agency Region 4
Agency Contact: 855-246-3642
Most Recent Contact: 03/30/2020

INDIAN UST R5: Underground Storage Tanks on Indian Land in EPA Region 5

Agency Version Date: 10/01/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/28/2020

Agency: U.S. Environmental Protection Agency Region 5
Agency Contact: 855-246-3642
Most Recent Contact: 03/19/2020

INDIAN UST R6: Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 01/23/2020
Agency Update Frequency: Semi Annually
Planned Next Contact: 06/29/2020

Agency: U.S. Environmental Protection Agency Region 6
Agency Contact: 855-246-3642
Most Recent Contact: 04/02/2020

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)

INDIAN UST R7: Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 10/11/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/28/2020
Agency: U.S. Environmental Protection Agency Region 7
Agency Contact: 855-246-3642
Most Recent Contact: 03/19/2020

INDIAN UST R8: Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 10/03/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2020
Agency: U.S. Environmental Protection Agency Region 8
Agency Contact: 855-246-3642
Most Recent Contact: 03/02/2020

INDIAN UST R9: Underground Storage Tanks on Indian Land in EPA Region 9

Agency Version Date: 04/08/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2020
Agency: U.S. Environmental Protection Agency Region 9
Agency Contact: 855-246-3642
Most Recent Contact: 03/02/2020

AST - AZ: Aboveground storage tank sites list

Agency Version Date: 10/31/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 07/15/2020
Agency: Department of Fire Building & Life Safety
Agency Contact: 602-364-1085
Most Recent Contact: 04/17/2020

HIST UST - AZ: List of underground storage tanks that is no longer in current agency list.

Agency Version Date: 10/08/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/16/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4344
Most Recent Contact: 03/18/2020

UST - AZ: Underground storage tank sites list

Agency Version Date: 02/10/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 07/17/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4344
Most Recent Contact: 04/20/2020

STATE- AND TRIBAL - EQUIVALENT CERCLIS

AZURITE - AZ: Remediation Sites from Arizona's Unified Repository for Informational Tracking of the Environment

Agency Version Date: 02/05/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 07/13/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4189
Most Recent Contact: 04/15/2020

STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

HIST SWF/LF - AZ: List of Solid Waste Facilities and Landfill sites that are no longer in current agency list.

Agency Version Date: 09/30/2019
Agency Update Frequency: Annually
Planned Next Contact: 04/30/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4567
Most Recent Contact: 02/04/2020

SWF/LF - AZ: Solid Waste Facilities and Landfill sites list

Agency Version Date: 02/10/2020
Agency Update Frequency: Annually
Planned Next Contact: 07/17/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4567
Most Recent Contact: 04/20/2020

STATE AND TRIBAL LEAKING STORAGE TANK LISTS

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 03/03/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/12/2020
Agency: U.S. Environmental Protection Agency Region 1
Agency Contact: 855-246-3642
Most Recent Contact: 03/03/2020

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 10/11/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 06/08/2020
Agency: U.S. Environmental Protection Agency Region 10
Agency Contact: 855-246-3642
Most Recent Contact: 03/30/2020

INDIAN LUST R2: Leaking Underground Storage Tanks on Indian Land in EPA Region 2

Agency Version Date: 12/07/2016
Agency Update Frequency: Quarterly
Planned Next Contact: 05/18/2020
Agency: U.S. Environmental Protection Agency Region 2
Agency Contact: 855-246-3642
Most Recent Contact: 03/09/2020

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 10/10/2019
Agency Update Frequency: Semi Annually
Planned Next Contact: 06/08/2020
Agency: U.S. Environmental Protection Agency Region 4
Agency Contact: 855-246-3642
Most Recent Contact: 03/30/2020

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land in EPA Region 5

Agency Version Date: 10/01/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/28/2020
Agency: U.S. Environmental Protection Agency Region 5
Agency Contact: 855-246-3642
Most Recent Contact: 03/19/2020

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 01/13/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 06/01/2020
Agency: U.S. Environmental Protection Agency Region 6
Agency Contact: 855-246-3642
Most Recent Contact: 03/23/2020

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 03/19/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/28/2020
Agency: U.S. Environmental Protection Agency Region 7
Agency Contact: 855-246-3642
Most Recent Contact: 03/19/2020

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 10/03/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/29/2020
Agency: U.S. Environmental Protection Agency Region 8
Agency Contact: 855-246-3642
Most Recent Contact: 03/20/2020

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land in EPA Region 9

Agency Version Date: 10/04/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2020
Agency: U.S. Environmental Protection Agency Region 9
Agency Contact: 855-246-3642
Most Recent Contact: 03/02/2020

LUST - AZ: Leaking underground storage tank database sites

Agency Version Date: 08/28/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 06/03/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-7638
Most Recent Contact: 03/25/2020

STATE- AND TRIBAL - EQUIVALENT NPL

SPL - AZ: Superfund program sites list

Agency Version Date: 12/12/2019
Agency Update Frequency: Semi Annually
Planned Next Contact: 04/30/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4189
Most Recent Contact: 02/20/2020

WQARF - AZ: Water Quality Assurance Revolving Fund registered sites list

Agency Version Date: 12/12/2019
Agency Update Frequency: Annually
Planned Next Contact: 04/30/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-2296
Most Recent Contact: 02/20/2020

STATE AND TRIBAL VOLUNTARY CLEANUP SITES

VCP BROWNFIELDS - AZ: Voluntarly and brownfield grant remediation programs sites list

Agency Version Date: 01/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 06/24/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4177
Most Recent Contact: 03/26/2020

STATE AND TRIBAL BROWNFIELD SITES

TRIBAL BROWNFIELDS: Tribal brownfield remediation site listing

Agency Version Date: 02/10/2014
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 07/13/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 04/15/2020

LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES

FED CDL: The U.S. Department of Justice listing of clandestine drug lab locations

Agency Version Date: 03/02/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2020
Agency: U.S. Department of Justice
Agency Contact: 202-307-7610
Most Recent Contact: 03/02/2020

US HIST CDL: The U.S. Department of Justice historical listing of clandestine drug lab locations

Agency Version Date: 08/05/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 06/19/2020
Agency: U.S. Department of Justice
Agency Contact: 202-307-7610
Most Recent Contact: 03/23/2020

CDL - AZ: A listing of drug lab seizures in Arizona

Agency Version Date: 01/08/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/26/2020
Agency: Board of Technical Registration
Agency Contact: 602-364-4948
Most Recent Contact: 02/28/2020

RECORDS OF EMERGENCY RELEASE REPORTS

HMIRS (DOT): Hazardous Material spills reported by the Department of Transportation

Agency Version Date: 02/04/2020
Agency Update Frequency: Varies
Planned Next Contact: 07/13/2020
Agency: U.S. Department of Transportation
Agency Contact: (202) 366-4996
Most Recent Contact: 04/15/2020

RECORDS OF EMERGENCY RELEASE REPORTS (cont.)

SPILLS - AZ: Chemical spills and incidents referred to the Emergency Response Unit

Agency Version Date: 02/07/2020
Agency Update Frequency: No Update
Planned Next Contact: 07/15/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4380
Most Recent Contact: 04/17/2020

LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES

HIST INDIAN ODI R8: List of Region 8 Indian land open dump inventory sites maintained within the STARS program that is no longer in current agency list.

Agency Version Date: 11/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 05/15/2020
Agency: Indian Health Service
Agency Contact: 855-246-3642
Most Recent Contact: 02/19/2020

INDIAN ODI R8: Region 8 Indian land open dump inventory sites maintained within the STARS program

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: Indian Health Service
Agency Contact: 855-246-3642
Most Recent Contact: 03/16/2020

ODI: Open dump inventory sites

Agency Version Date: 10/03/2017
Agency Update Frequency: No Update
Planned Next Contact: 06/09/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 03/31/2020

TRIBAL ODI: Indian land open dump inventory for all regions

Agency Version Date: 06/27/2019
Agency Update Frequency: Varies
Planned Next Contact: 06/29/2020
Agency: Indian Health Service
Agency Contact: 301-443-3593
Most Recent Contact: 04/02/2020

SWTIRE - AZ: Listing of registered waste tire sites in Arizona

Agency Version Date: 02/27/2020
Agency Update Frequency: Annually
Planned Next Contact: 05/07/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4673
Most Recent Contact: 02/27/2020

LOCAL BROWNFIELD LISTS

BROWNFIELDS-ACRES: EPA Brownfields Assessment, Cleanup and Redevelopment Exchange System.

Agency Version Date: 02/12/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 07/06/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 04/09/2020

Fed Brownfields: Federal brownfield remediation sites

Agency Version Date: 03/10/2020
Agency Update Frequency: Semi Annually
Planned Next Contact: 05/19/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 03/10/2020

LOCAL LAND RECORDS

LIENS 2: Comprehensive Environmental Response Compensation and Liability Act sites with liens

Agency Version Date: 05/11/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 07/13/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 04/15/2020

OTHER ASCERTAINABLE RECORDS

AFS: Air Facility Systems Quarterly Extract

Agency Version Date: 01/10/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/29/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/20/2020

ALT FUELING: Alternative Fueling Stations by fuel type.

Agency Version Date: 02/12/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 07/21/2020
Agency: U.S. Department of Energy
Agency Contact: N/R
Most Recent Contact: 04/22/2020

BRS: Reporting of hazardous waste generation and management from large quantity generators

Agency Version Date: 02/10/2020
Agency Update Frequency: Biennial
Planned Next Contact: 07/23/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/24/2020

CDC HAZDAT: The Agency for Toxic Substances and Disease Registry's Hazardous Substance Release/Health Effects Database.

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: Agency for Toxic Substances and Disease Registry
Agency Contact: 770-488-6399
Most Recent Contact: 03/16/2020

COAL ASH DOE: List of existing and planned generators with 1 megawatt or greater of combined capacity that are utilizing coal ash impoundments.

Agency Version Date: 11/28/2019
Agency Update Frequency: Varies
Planned Next Contact: 07/14/2020
Agency: Department of Energy
Agency Contact: (202) 586-8800
Most Recent Contact: 04/16/2020

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

Agency Version Date: 07/31/2014
Agency Update Frequency: Varies
Planned Next Contact: 06/01/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/23/2020

COAL GAS: Manufactured Gas Plant locations

Agency Version Date: 02/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/04/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 02/05/2020

CONSENT (DECREES): Legal decisions regarding responsibility for Superfund locations

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 03/16/2020

DEBRIS R5 LF: US EPA Region 5 Disaster Debris Recovery Database is a list of public facilities for disaster construction and demolition materials, electronics, household hazardous waste, metals, tires, and vehicles in EPA Region 5.

Agency Version Date: 02/28/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/08/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 02/28/2020

OTHER ASCERTAINABLE RECORDS (cont.)

DEBRIS R5 SWRCY: US EPA Region 5 Disaster Debris Recovery Database is a list of public facilities for disaster construction and demolition materials, electronics, household hazardous waste, metals, tires, and vehicles in EPA Region 5.

Agency Version Date: 02/28/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/08/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 02/28/2020

DOD: Department of Defense sites

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 03/16/2020

DOT OPS: Incident Data Report

Agency Version Date: 01/20/2020
Agency Update Frequency: Varies
Planned Next Contact: 06/08/2020
Agency: U.S. Department of Transportation
Agency Contact: (202) 366-4996
Most Recent Contact: 03/30/2020

ECHO: ECHO is EPA Enforcement and Compliance History Online website to search for facilities in your community to assess their compliance with environmental regulations related to CAA, CWA, RCRA, & SDWA.

Agency Version Date: 02/10/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 07/17/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 04/20/2020

ENOI: The Electronic Notice of Intent (eNOI) database contains construction sites and industrial facilities that submit permit requests to EPA for Construction General Permits (CGP) and Multi-Sector General Permits (MSGP).

Agency Version Date: 11/15/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 06/30/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/03/2020

EPA FUELS: List of companies and facilities registered to participate in EPA Fuel Programs under Title 40 CFR Part 80.

Agency Version Date: 01/10/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/29/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 03/20/2020

EPA OSC: Listing of oil spills and hazardous substance release sites requiring EPA On-Site Coordinators.

Agency Version Date: 02/05/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 07/13/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 04/15/2020

EPA WATCH: The EPA Watch List was used to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. EPA maintained the lists from 2011 - 2013.

Agency Version Date: 02/09/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 07/13/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 04/14/2020

FA HWF: Hazardous Waste Facilities with Financial Assurance

Agency Version Date: 02/25/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/05/2020
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/25/2020

OTHER ASCERTAINABLE RECORDS (cont.)

FEDLAND: Federal land locations

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 03/16/2020

FRS: Facility Registry Systems

Agency Version Date: 12/12/2019
Agency Update Frequency: Varies
Planned Next Contact: 06/04/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/26/2020

FTTS: Tracking of administrative and enforcement activities related to FIFRA/TSCA

Agency Version Date: 04/16/2013
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 05/06/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 564-2280
Most Recent Contact: 02/10/2020

FTTS INSP: Tracking of inspections related to FIFRA/TSCA

Agency Version Date: 05/08/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 04/29/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 564-2280
Most Recent Contact: 01/31/2020

FUDS: Defense sites that require cleanup

Agency Version Date: 09/30/2015
Agency Update Frequency: Varies
Planned Next Contact: 06/01/2020
Agency: US Army Corps of Engineering
Agency Contact: (202) 761-0011
Most Recent Contact: 03/23/2020

HIST AFS: List of Air Facility Systems Quarterly Extract that are no longer in current agency list.

Agency Version Date: 06/14/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 07/13/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/15/2020

HIST AFS 2: List of Air Facility Systems Quarterly Extract that are no longer in current agency list.

Agency Version Date: 11/26/2018
Agency Update Frequency: Quarterly
Planned Next Contact: 05/19/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/21/2020

HIST DOD: Department of Defense historical sites

Agency Version Date: 08/17/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 05/26/2020
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/28/2020

HIST LEAD_SMELTER: List of former lead smelter sites that is no longer in current agency list.

Agency Version Date: 12/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 05/04/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/06/2020

HIST MLTS: List of sites in possession/use of radioactive materials regulated by NRC that is no longer in current agency list.

Agency Version Date: 07/13/2016
Agency Update Frequency: Annually
Planned Next Contact: 05/15/2020
Agency: Nuclear Regulatory Commission
Agency Contact: (800) 397-4209
Most Recent Contact: 02/19/2020

OTHER ASCERTAINABLE RECORDS (cont.)

HIST PCB TRANS: List of PCB Disposal Facilities that are no longer in current agency list.

Agency Version Date: 01/18/2018
Agency Update Frequency: No Update
Planned Next Contact: 06/01/2020
Agency: Environmental Protection Agency
Agency Contact: (703) 308-8404
Most Recent Contact: 03/03/2020

HIST SSTS: List of tracking of facilities who produce pesticides and their quantity that are no longer in current agency list.

Agency Version Date: 02/13/2019
Agency Update Frequency: Annually
Planned Next Contact: 06/05/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/09/2020

HWC DOCKET: Listing of Federal facilities which are managing or have managed hazardous waste; or have had a release of hazardous waste.

Agency Version Date: 10/28/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/29/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 03/20/2020

ICIS: Comprised of all Federal Administrative and Judicial enforcement information [intended to replace PCS] by tracking enforcement and compliance information (also contains what used to be known as FFTS)

Agency Version Date: 12/01/2019
Agency Update Frequency: Varies
Planned Next Contact: 07/20/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/21/2020

INDIAN RESERVATION: Indian Reservation sites

Agency Version Date: 02/25/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/05/2020
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/25/2020

LUCIS: Land Use Control Information Systems

Agency Version Date: 01/23/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 07/15/2020
Agency: Department of the Navy: BRAC PMO
Agency Contact: (619) 532-0900
Most Recent Contact: 04/17/2020

LUCIS 2: Land Use Control Information Systems

Agency Version Date: 01/17/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/01/2020
Agency: Department of the Navy: BRAC PMO
Agency Contact: (619) 532-0900
Most Recent Contact: 03/03/2020

MINES: Mines Master Index Files

Agency Version Date: 02/12/2020
Agency Update Frequency: Varies
Planned Next Contact: 07/21/2020
Agency: Department of Labor
Agency Contact: (202) 693-9400
Most Recent Contact: 04/22/2020

MINES USGS: Listing of all active mines and mineral plants in 2003

Agency Version Date: 02/17/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/27/2020
Agency: USGS Mineral Resources Program
Agency Contact: (703) 648-5953
Most Recent Contact: 02/17/2020

OTHER ASCERTAINABLE RECORDS (cont.)

MLTS: Sites in possession/use of radioactive materials regulated by NRC

Agency Version Date: 10/03/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/19/2020
Agency: Nuclear Regulatory Commission
Agency Contact: (800) 397-4209
Most Recent Contact: 02/21/2020

NPL AOC: Areas of Concern related to NPL remediation sites

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: Environmental Protection Agency
Agency Contact: N/R
Most Recent Contact: 03/16/2020

NPL LIENS: National Priority List of sites with Liens

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

OSHA: OSHA's listing of inspections violations and fatality information

Agency Version Date: 02/11/2020
Agency Update Frequency: Varies
Planned Next Contact: 07/20/2020
Agency: Occupational Safety & Health Administration
Agency Contact: 800-321-6742
Most Recent Contact: 04/21/2020

PADS: Listing of generators transporters commercial store/ brokers and disposers of PCB

Agency Version Date: 03/13/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/22/2020
Agency: Environmental Protection Agency
Agency Contact: (703) 308-8404
Most Recent Contact: 03/13/2020

PCB TRANSFORMER: Disposal and Storage of Polychlorinated Biphenyl (PCB) Waste

Agency Version Date: 01/15/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 06/03/2020
Agency: Environmental Protection Agency
Agency Contact: (703) 308-8404
Most Recent Contact: 03/25/2020

RAATS: Listing of major violators with enforcement actions issued under RCRA. Includes administrative and civil actions filed by the EPA. This dataset is no longer maintained.

Agency Version Date: 09/23/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/18/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/20/2020

RADINFO: EPA regulated facilities with radiation and radioactive materials

Agency Version Date: 08/01/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/07/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/27/2020

RMP: Facilities producing/handling/ process/ distribute/ store specific chemicals report plans required by the Clean Air Act

Agency Version Date: 12/10/2019
Agency Update Frequency: Monthly
Planned Next Contact: 04/30/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 564-2534
Most Recent Contact: 02/04/2020

ROD: Permanent remedy at an NPL site

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 03/16/2020

OTHER ASCERTAINABLE RECORDS (cont.)

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners

Agency Version Date: 01/23/2020
Agency Update Frequency: No Update
Planned Next Contact: 06/29/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/02/2020

SEMS_SMELTER: This report includes sites that have smelting-related, or potentially smelting-related, indicators in the SEMS database. The report includes information on the site location as well as contaminants of concern.

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

SSTS: Tracking of facilities who produce pesticides and their quantity

Agency Version Date: 01/29/2020
Agency Update Frequency: Annually
Planned Next Contact: 07/06/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/08/2020

STORMWATER: Permitted storm water sites

Agency Version Date: 12/03/2019
Agency Update Frequency: Varies
Planned Next Contact: 07/20/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/21/2020

TOSCA-PLANT: Plants controlled by the Toxic Substance Control Act

Agency Version Date: 01/29/2020
Agency Update Frequency: Varies
Planned Next Contact: 07/06/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/08/2020

TRIS: Information regarding toxic chemicals that are being used/manufactured/ treated/ transported/released into the environment

Agency Version Date: 12/02/2019
Agency Update Frequency: Varies
Planned Next Contact: 07/17/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/20/2020

UMTRA: Uranium Recovery Sites

Agency Version Date: 07/18/2019
Agency Update Frequency: Varies
Planned Next Contact: 07/22/2020
Agency: United States Nuclear Regulatory Commission
Agency Contact: (301) 415-8200
Most Recent Contact: 04/23/2020

VAPOR: EPA Vapor Intrusion Database

Agency Version Date: 02/08/2019
Agency Update Frequency: Varies
Planned Next Contact: 06/30/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 04/03/2020

Corrective Actions_2020: In 2009 the EPA created the 2020 Corrective Action Baseline list of contaminated or potentially contaminated sites with a cleanup goal to complete 95% by the year 2020. The names on the list indicate the facility owners who may or may not have caused the contamination.

Agency Version Date: 12/21/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 05/18/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: N/R
Most Recent Contact: 02/20/2020

OTHER ASCERTAINABLE RECORDS (cont.)

AIRS - AZ: Permitted airs facilities listing

Agency Version Date: 03/06/2020
Agency Update Frequency: Monthly
Planned Next Contact: 05/20/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4527
Most Recent Contact: 02/24/2020

AOC - AZ: GIS coverage for the air quality division waste program division and water quality division sites of interest

Agency Version Date: 12/12/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/30/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4380
Most Recent Contact: 02/20/2020

AUL - AZ: Activity and use limitations control sites list including the Declaration of Environmental Use Restriction and Voluntary Environmental Mitigation Use Restriction programs

Agency Version Date: 08/07/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 07/13/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4397
Most Recent Contact: 04/15/2020

DAYCARE - AZ: Daycare Listing

Agency Version Date: 01/30/2020
Agency Update Frequency: Varies
Planned Next Contact: 07/06/2020
Agency: Arizona Department of Health Services
Agency Contact: 602-542-1025
Most Recent Contact: 04/09/2020

DOD - AZ: Department of defense assessment for contamination sites listing

Agency Version Date: 12/12/2019
Agency Update Frequency: Annually
Planned Next Contact: 04/30/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4380
Most Recent Contact: 02/20/2020

DRY WELL - AZ: Registered drywell facility listing

Agency Version Date: 10/29/2018
Agency Update Frequency: Semi Annually
Planned Next Contact: 05/13/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-7638
Most Recent Contact: 02/17/2020

DRYCLEANERS - AZ: A listing of drycleaning facilities

Agency Version Date: 04/14/2016
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/23/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4380
Most Recent Contact: 03/25/2020

HIST AUL - AZ: Activity and use limitations control sites list (DEUR and VEMUR) and details no longer in current agency list

Agency Version Date: 02/19/2019
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 07/10/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4397
Most Recent Contact: 04/13/2020

HIST DRYCLEANERS - AZ: List of drycleaning facilities that are no longer in current agency list.

Agency Version Date: 04/04/2016
Agency Update Frequency: Annually
Planned Next Contact: 06/22/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-4380
Most Recent Contact: 03/24/2020

MANIFEST - AZ: Hazardous waste compliance transporter and handler manifest information

Agency Version Date: 07/12/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 05/07/2020
Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-7638
Most Recent Contact: 02/11/2020

OTHER ASCERTAINABLE RECORDS (cont.)

WWTP - AZ: Wastewater treatment plant listing

Agency Version Date: 01/09/2020
Agency Update Frequency: Varies
Planned Next Contact: 06/26/2020

Agency: Arizona Department of Environmental Quality
Agency Contact: 602-771-7638
Most Recent Contact: 03/30/2020

SUBJECT PROPERTY ADDRESS:

Proposed Eagle Substation
6732 W Jomax Rd
Peoria, Arizona 85383

SUBJECT PROPERTY COORDINATES:

Latitude(North):	33.725480 - 33°43'31.7"
Longitude(West):	-112.204027 - -112°12'14.5"
Universal Transverse Mercator:	Zone 12N
UTM X (Meters):	388451.14
UTM Y (Meters):	3732369.22

ELEVATION:

Elevation:	1422.674 ft. above sea level

USGS TOPOGRAPHIC MAP:

Subject Property Map:	33112-F2 Hedgpeth Hills, AZ
Most Recent Revision:	2018

GEOHYDROLOGY DATA:

SUBJECT PROPERTY TOPOGRAPHY:

Topographic Gradient: South

DFIRM FLOOD ZONE:

	DFIRM Flood
Subject Property County:	Electronic Data:
MARICOPA	Yes - refer to the PROPERTY PROXIMITY MAP and AREA MAP
Flood Plain Panel at Subject Property:	04013C
Additional Panels in search area:	No available data

FEMA FLOOD ZONE:

	FEMA Flood
Subject Property County:	Electronic Data:
MARICOPA	Yes - refer to the PROPERTY PROXIMITY MAP and AREA MAP
Flood Plain Panel at Subject Property:	04013C1180E
Additional Panels in search area:	04013C1185F

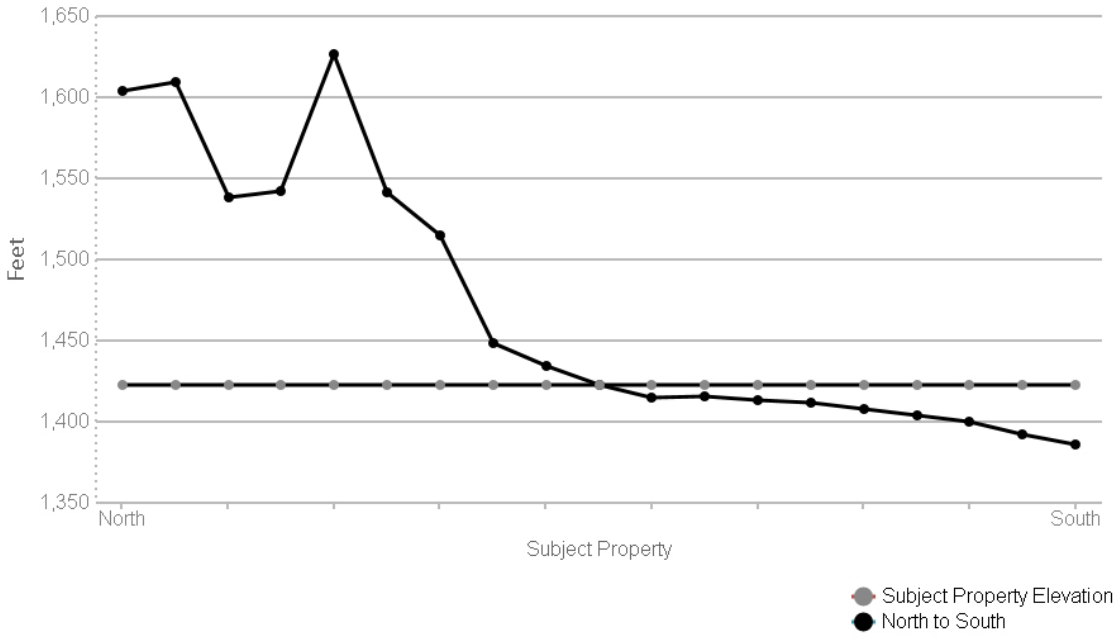
NATIONAL WETLAND INVENTORY:

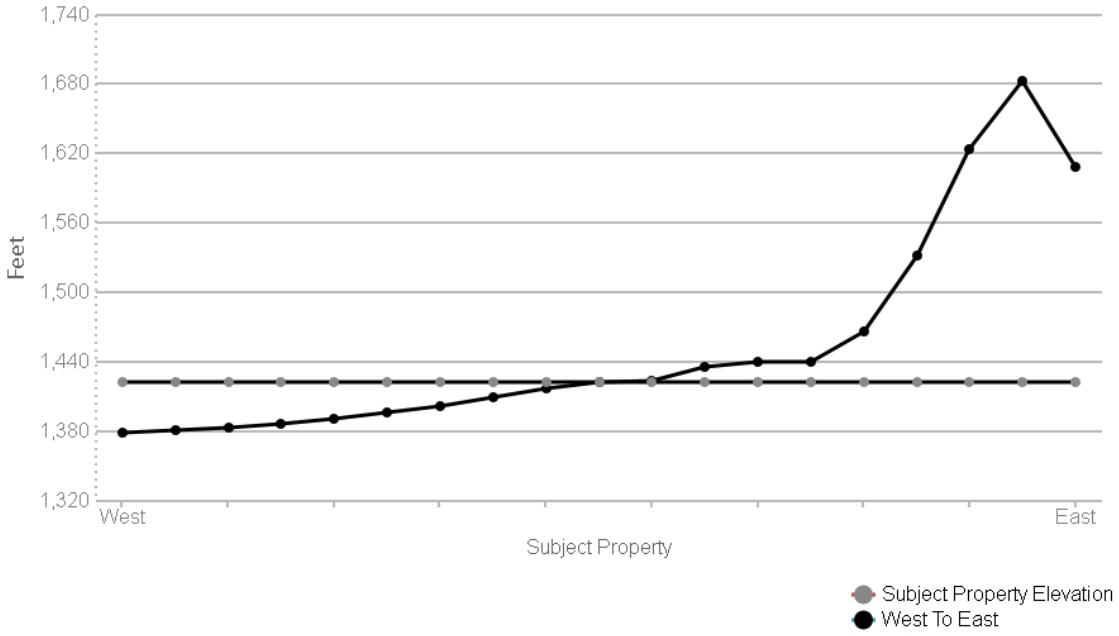
	NWI Electronic
NWI Quad at Subject Property:	Data Coverage:
Hedgpeth Hills	Yes - refer to the Geological Findings Map

LITHOSTRATIGRAPHIC INFORMATION:

ROCK STRATIGRAPHIC UNIT:		GEOLOGIC AGE IDENTIFICATION
Era:	N/R	Category: 156 Xg X granitic rocks
System:	N/R	
Series:	X granitic rocks	
Code:	Xg	

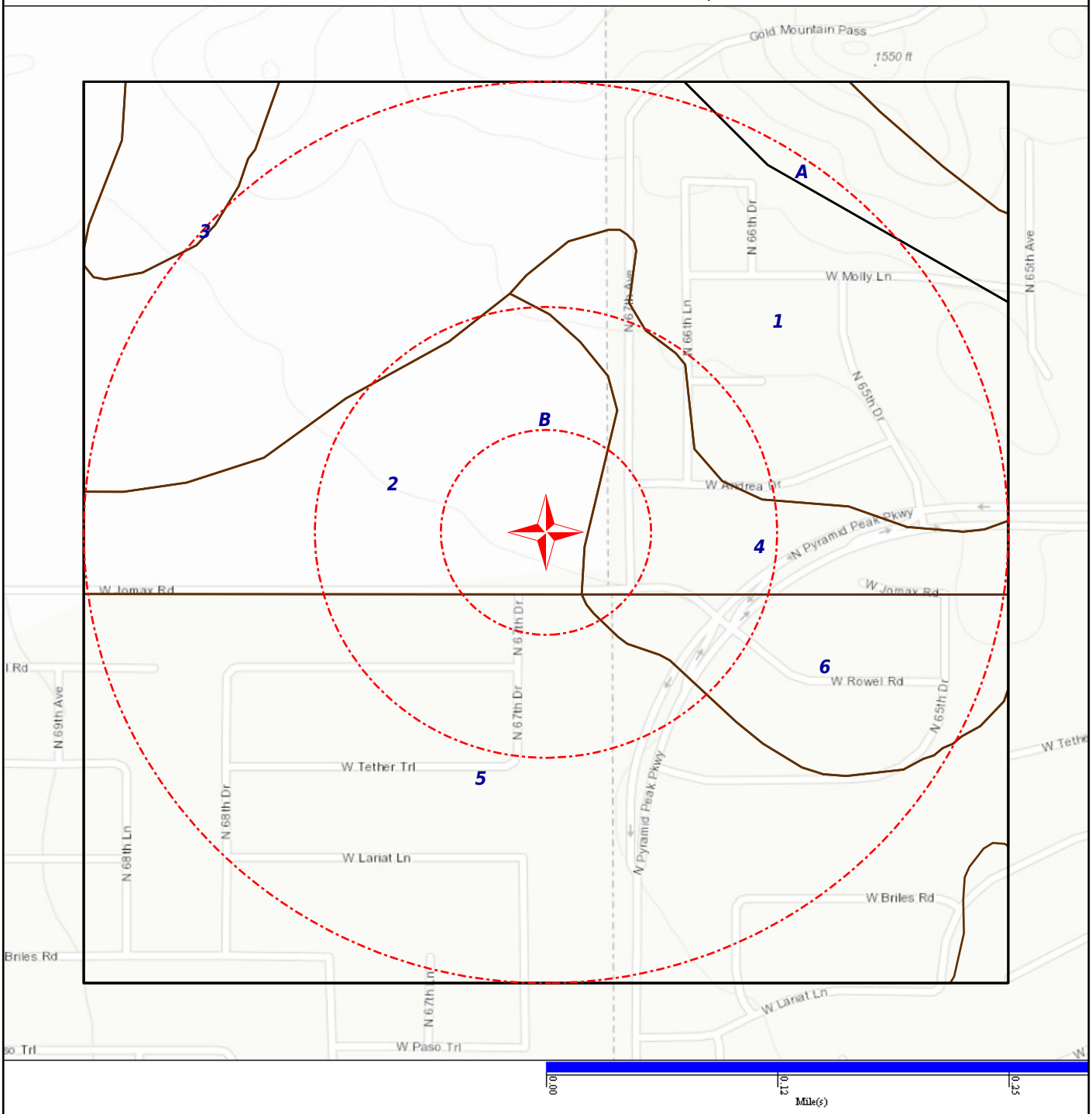
SURROUNDING ELEVATION PROFILES:





SUBJECT NAME: Proposed Eagle Substation
ADDRESS: 6732 W Jomax Rd, Peoria, Arizona, 85383
LAT/LONG: 33.725480 / -112.204027

PREPARED FOR: Bender Environmental Consulting Inc
ORDER #: 40975
REPORT DATE: April 27, 2020



Subject Property — SSURGO — STATSGO

SOIL COMPOSITION IN GENERAL AREA OF SUBJECT PROPERTY:

Agency source: Soil Conservation Service, US Department of Agriculture

SOIL MAP ID 1

USDA Soil Name	Suncity,Series
USDA Soil Texture	Loam
Hydrologic Soil Group	D
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-1	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	7.9-8.4
2	1-9	Clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.4	7.9-8.4
3	9-60		No data	No data	0-0.42	0-0

SOIL MAP ID 2

USDA Soil Name	Antho,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	A
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-3	Sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	7.9-8.4
2	3-60	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	7.9-8.4

SOIL MAP ID 3

USDA Soil Name	Quilotosa,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-2	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	7.4-8.4
2	2-14	Loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	7.9-8.4
3	14-18		No data	No data	0.07-141	0-0
4	18-60		No data	No data	0-0.07	0-0

SOIL MAP ID 4

USDA Soil Name	Tremant,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-9	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and	14-42	7.9-8.4

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-9	Sandy loam	of State Highway and Transportation Officials, 1984.	the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	7.9-8.4
2	9-41	Sandy clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	7.9-8.4
3	41-60	Sand	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	141-141	7.9-8.4

SOIL MAP ID 5

USDA Soil Name	Antho,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	A
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	7.9-8.4
2	13-36	Sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	7.9-8.4
3	36-47	Loamy sand	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	7.9-8.4
4	47-60	Sandy clay loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in	14-42	7.9-8.4

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	47-60	Sandy clay loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	7.9-8.4

SOIL MAP ID 6

USDA Soil Name	Pinal,Series
USDA Soil Texture	Loam
Hydrologic Soil Group	D
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-12	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	7.9-8.4
2	12-60		No data	No data	0-1.4	0-0

SOIL MAP ID A

USDA Soil Name	Quilotosa,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-2	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	14-42	7.9-8.4
2	2-14	Sandy loam	No data	No data	14.1143-42.343	7.9-8.4
3	14-19		No data	No data	0.06-0.42	No data
4	19-23		No data	No data	0.01-0.07	No data

SOIL MAP ID B

USDA Soil Name	Denure,Series
USDA Soil Texture	Fine sandy loam
Hydrologic Soil Group	B
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-1	Fine sandy loam	No data	No data	4.2343-14.1143	7.9-8.4
2	1-60	Sandy loam	No data	No data	14.1143-42.343	6.6-8.4
3	60-70	Sandy clay loam	No data	No data	1.4114-4.2343	7.9-8.4

WATER AGENCY DATA:

WATER AGENCY SEARCH DISTANCES:

DATABASE:	SEARCH DISTANCE (MILES):
NWIS	1.000
PWS	1.000
WELLS - AZ	1.000
WELLS - GWSI - AZ	1.000

DISTANCE TO NEAREST:	DISTANCE:
NWIS	0.489 mi / 2582 ft
PWS	N/A
WELLS - AZ	0.524 mi / 2766 ft
WELLS - GWSI - AZ	0.489 mi / 2582 ft

FEDERAL WATER AGENCY DATA SUMMARY:

MAP ID:	WELL ID:	LOCATION FROM SP:
A1	334327112124201	1/4 - 1/2 Mile W
C12	334245112123301	1/2 - 1 Mile SSW

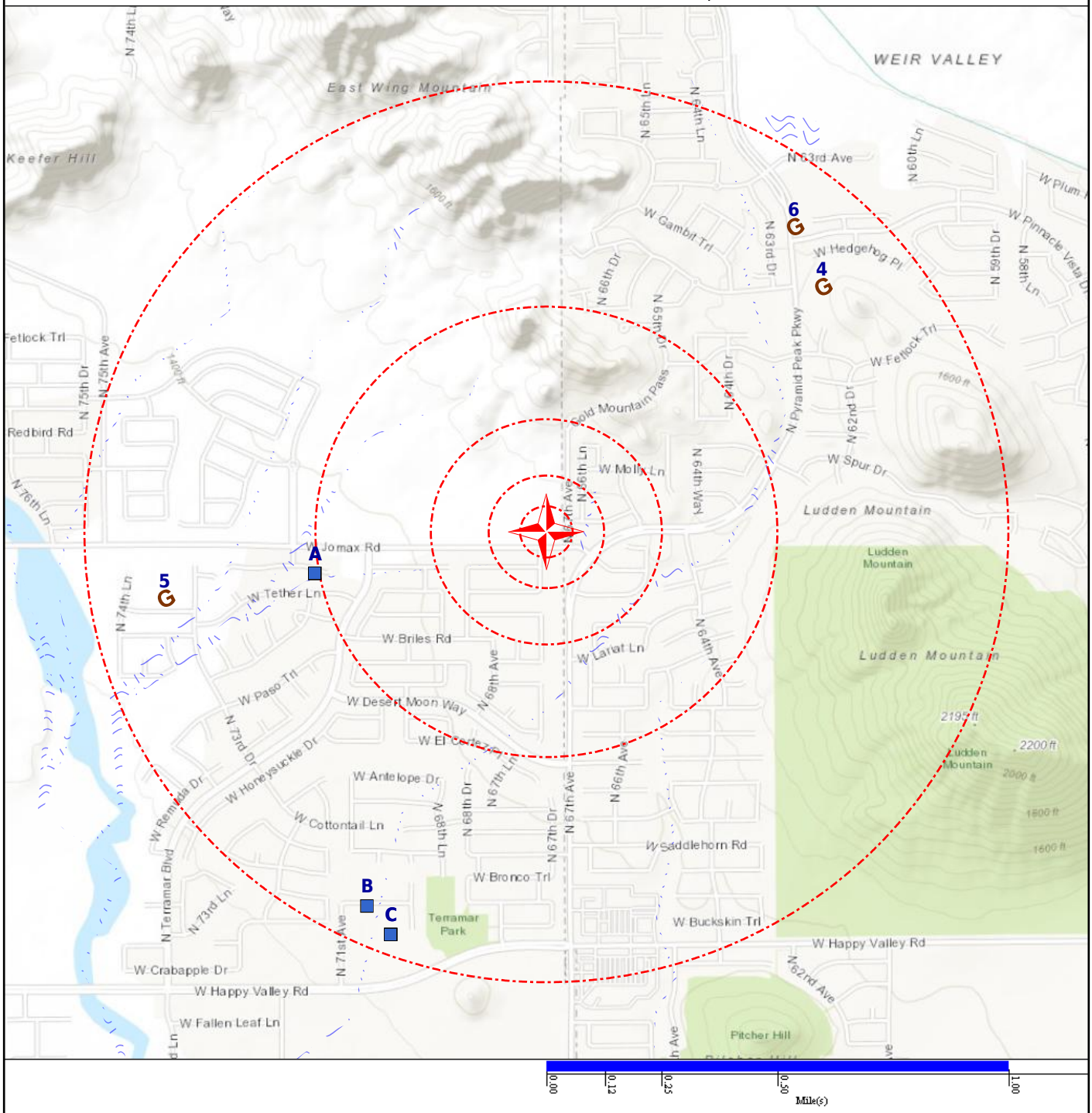
Note: PWS System location is not always the same as well location.

STATE/LOCAL WATER AGENCY DATA SUMMARY:

MAP ID:	WELL ID:	LOCATION FROM SP:
A2	334327112124201	1/4 - 1/2 Mile W
A3	55-612618	1/2 - 1 Mile W
4	55-567942	1/2 - 1 Mile NE
5	55-640325	1/2 - 1 Mile W
B7	55-633385	1/2 - 1 Mile SSW
B8	55-912424	1/2 - 1 Mile SSW
B9	55-204542	1/2 - 1 Mile SSW
B10	55-221787	1/2 - 1 Mile SSW
B11	55-505017	1/2 - 1 Mile SSW
C13	334245112123301	1/2 - 1 Mile SSW

SUBJECT NAME: Proposed Eagle Substation
ADDRESS: 6732 W Jomax Rd, Peoria, Arizona, 85383
LAT/LONG: 33.725480 / -112.204027

PREPARED FOR: Bender Environmental Consulting Inc
ORDER #: 40975
REPORT DATE: April 27, 2020



Subject Property
NWI
Basins (No Data)
NWIS
Geologic Cluster with Water Well
Geological Site

Map Id: A1
Direction: W
Distance: 0.489 mi.
Actual: 2581.832 ft.
Elevation: 0.262 mi. / 1383.474 ft.
Relative: Lower

Site Name : 334327112124201
33.7242037, -112.2123793
AZ

Database(s) : [NWIS]

Envirosite ID: 441047228
EPA ID: N/R

NWIS

Site Identification Number :	334327112124201
Site Type :	Well
Station Name :	A-04-01 01BAA
Agency :	Arizona Department of Water Resources
District :	Arizona
State :	AZ
County :	Maricopa County
Country :	USA
Land Net Location :	NENENWS01 T04N R01E G
Name of Location Map :	HEDGPETH HILLS
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	1381.
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Agua Fria
Drainage Basin :	N/R
Topographic Setting :	Valley flat
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19780111
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYNNNYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	N/R
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N-C
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1982-10-28
Field Water-Level Data End Date :	1987-12-22
Field Water-Level Data Count :	7
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	33.72420370
Longitude :	-112.21237930
Last Date in Agency List :	01/17/2020

Map Id: A2
Direction: W
Distance: 0.489 mi.
Actual: 2581.916 ft.
Elevation: 0.262 mi. / 1383.474 ft.
Relative: Lower

Site Name : 334327112124201
33.72420406, -112.21237966
AZ

Database(s) : [WELLS - GWSI - AZ]

Envirosite ID: 437808638
EPA ID: N/R

WELLS - GWSI - AZ

Site ID :	334327112124201
Local ID :	A-04-01 01BAA
Registration ID :	612618
Well Type :	GWSI
Well Alt :	1381
Water Use :	UNUSED
Well Depth :	0
Casing Diameter (Inches) :	0
Drill Date :	01/11/1978
Well Count :	7
Last Well Date :	12/22/1987
Well DTW :	355.1
Well ELEV :	1025.9
Source :	N/R
IDXBK :	N/R
Last Date in Agency List :	02/07/2020

Map Id: A3
Direction: W
Distance: 0.524 mi.
Actual: 2766.382 ft.
Elevation: 0.262 mi. / 1382.116 ft.
Relative: Lower

Site Name : 55-612618
33.72412776, -112.21297965
AZ

Database(s) : [WELLS - AZ]

Envirosite ID: 439806956
EPA ID: N/R

WELLS - AZ

Approved Date :	N/R
Installed Date :	01/11/1978
Application Date :	06/11/1982
Program :	55
Registration ID :	612618
Owner Name :	ENGLE HOMES OF ARIZONA
Pump Data Available :	NO
Well Type :	NON-EXEMPT
Well Type 2 :	NON-EXEMPT
DLIC Number :	572
Well Depth :	660
Water Level :	360
Casing Depth :	660
Casing Diameter :	10
Casing Type :	STEEL - PERFORATED OR SLOTTED CASING
Pump Type :	NO PUMP CODE LISTED
Pump Power :	NO POWER CODE LISTED
Pump Rate :	60
Tested Rate :	60
Draw Down :	0
Completion :	A
Drill Log :	N/R
Well Cancel :	Y
Cadastral :	A04001001BAA
Watershed :	AGUA FRIA RIVER
County :	MARICOPA

Map Id: A3
Direction: W
Distance: 0.524 mi.
Actual: 2766.382 ft.
Elevation: 0.262 mi. / 1382.116 ft.
Relative: Lower

Site Name : 55-612618
33.72412776, -112.21297965
AZ

Database(s) : [WELLS - AZ] ***(cont.)***

Envirosite ID: 439806956
EPA ID: N/R

WELLS - AZ ***(cont.)***

Basin Name :	PHOENIX AMA
Sub Basin Name :	WEST SALT RIVER VALLEY
AMA :	PHOENIX
Quad Code :	A
Whole Town :	4
Half Town :	0
North/South :	N
Whole Range :	1
Half Range :	0
East/West :	E
Section :	1
Quarter 16 :	B
Acre 160 Direction :	NW
Quarter 40 :	A
Acre 40 :	NE
Quarter 10 :	A
Acre 10 Direction :	NE
UTM X (meter) :	387619.9
UTM Y (meter) :	3732229
Last Date in Agency List :	01/07/2020

Map Id: 4
Direction: NE
Distance: 0.804 mi.
Actual: 4243.178 ft.
Elevation: 0.285 mi. / 1504.964 ft.
Relative: Higher

Site Name : 55-567942
33.73328946, -112.19366411
AZ

Database(s) : [WELLS - AZ]

Envirosite ID: 439775219
EPA ID: N/R

WELLS - AZ

Approved Date :	N/R
Installed Date :	N/R
Application Date :	03/31/1998
Program :	55
Registration ID :	567942
Owner Name :	CURT LYON
Pump Data Available :	NO
Well Type :	EXEMPT
Well Type 2 :	EXEMPT
DLIC Number :	200
Well Depth :	0
Water Level :	0
Casing Depth :	0
Casing Diameter :	0
Casing Type :	N/R
Pump Type :	N/R
Pump Power :	N/R
Pump Rate :	0
Tested Rate :	0
Draw Down :	0
Completion :	N/R
Drill Log :	N/R

Map Id: 4
Direction: NE
Distance: 0.804 mi.
Actual: 4243.178 ft.
Elevation: 0.285 mi. / 1504.964 ft.
Relative: Higher

Site Name : 55-567942
33.73328946, -112.19366411
AZ

Database(s) : [WELLS - AZ] ***(cont.)***

Envirosite ID: 439775219
EPA ID: N/R

WELLS - AZ ***(cont.)***

Well Cancel :	Y
Cadastral :	A05002031ACC
Watershed :	AGUA FRIA RIVER
County :	MARICOPA
Basin Name :	PHOENIX AMA
Sub Basin Name :	WEST SALT RIVER VALLEY
AMA :	PHOENIX
Quad Code :	A
Whole Town :	5
Half Town :	0
North/South :	N
Whole Range :	2
Half Range :	0
East/West :	E
Section :	31
Quarter 16 :	A
Acre 160 Direction :	NE
Quarter 40 :	C
Acre 40 :	SW
Quarter 10 :	C
Acre 10 Direction :	SW
UTM X (meter) :	389421.3
UTM Y (meter) :	3733224
Last Date in Agency List :	01/07/2020

Map Id: 5
Direction: W
Distance: 0.840 mi.
Actual: 4437.713 ft.
Elevation: 0.26 mi. / 1371.453 ft.
Relative: Lower

Site Name : 55-640325
33.723262951599999,
-112.218377919000005
AZ

Database(s) : [WELLS - AZ]

Envirosite ID: 419219185
EPA ID: N/R

WELLS - AZ

Approved Date :	N/R
Installed Date :	05/08/1979
Application Date :	07/09/1982
Program :	55
Registration ID :	640325
Owner Name :	RICHARDS JR,E W
Pump Data Available :	NO
Well Type :	EXEMPT
Well Type 2 :	EXEMPT
DLIC Number :	0
Well Depth :	405
Water Level :	0
Casing Depth :	680
Casing Diameter :	5
Casing Type :	PLASTIC OR PVC
Pump Type :	NO PUMP CODE LISTED
Pump Power :	NO POWER CODE LISTED

Map Id: 5
Direction: W
Distance: 0.840 mi.
Actual: 4437.713 ft.
Elevation: 0.26 mi. / 1371.453 ft.
Relative: Lower

Site Name : 55-640325
33.723262951599999,
-112.218377919000005
AZ

Database(s) : [WELLS - AZ] ***(cont.)***

Envirosite ID: 419219185
EPA ID: N/R

WELLS - AZ ***(cont.)***

Pump Rate :	0
Tested Rate :	0
Draw Down :	0
Completion :	N/R
Drill Log :	N/R
Well Cancel :	N/R
Cadastral :	A04001001BB0
Watershed :	AGUA FRIA RIVER
County :	MARICOPA
Basin Name :	PHOENIX AMA
Sub Basin Name :	WEST SALT RIVER VALLEY
AMA :	PHOENIX
Quad Code :	A
Whole Town :	4
Half Town :	0
North/South :	N
Whole Range :	1
Half Range :	0
East/West :	E
Section :	1
Quarter 16 :	B
Acre 160 Direction :	NW
Quarter 40 :	B
Acre 40 :	NW
Quarter 10 :	0
Acre 10 Direction :	N/R
UTM X (meter) :	387118.6
UTM Y (meter) :	3732139
Last Date in Agency List :	08/20/2019

Map Id: 6
Direction: NE
Distance: 0.862 mi.
Actual: 4551.534 ft.
Elevation: 0.281 mi. / 1483.435 ft.
Relative: Higher

Site Name : T-L TWR
33.73527778, -112.19472222
PHOENIX, AZ

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 440567171
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	04/28/2016
Action :	Change
FAA Study Number :	2011AWP08104OE
OBS Number :	04-023651
Obstacle Type :	T-L TWR
City Name :	PHOENIX
State Identifier :	AZ
Country Identifier :	US
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	None

Map Id: 6
Direction: NE
Distance: 0.862 mi.
Actual: 4551.534 ft.
Elevation: 0.281 mi. / 1483.435 ft.
Relative: Higher

Site Name : T-L TWR
33.73527778, -112.19472222
PHOENIX, AZ

Database(s) : [DIGITAL OBSTACLE] ***(cont.)***

Envirosite ID: 440567171
EPA ID: N/R

DIGITAL OBSTACLE ***(cont.)***

Above Ground Level Height (Feet) :	00085
Above Mean Sea Level Height (Feet) :	01568
Horizontal Accuracy :	+-20'
Vertical Accuracy :	+-3'
Latitude :	33 44 07.00N
Longitude :	112 11 41.00W

Map Id: B7
Direction: SSW
Distance: 0.915 mi.
Actual: 4830.243 ft.
Elevation: 0.26 mi. / 1370.938 ft.
Relative: Lower

Site Name : 55-633385
33.713453652299997,
-112.210748903999999
AZ

Database(s) : [WELLS - AZ]

Envirosite ID: 419212327
EPA ID: N/R

WELLS - AZ

Approved Date :	03/18/1983
Installed Date :	04/13/1983
Application Date :	04/08/1982
Program :	55
Registration ID :	633385
Owner Name :	M20 INVESTMENTS, INC.
Pump Data Available :	NO
Well Type :	EXEMPT
Well Type 2 :	EXEMPT
DLIC Number :	674
Well Depth :	520
Water Level :	320
Casing Depth :	493
Casing Diameter :	6
Casing Type :	STEEL - PERFORATED OR SLOTTED CASING
Pump Type :	SUBMERSIBLE
Pump Power :	ELECTRIC MOTOR 1 - 5 HP
Pump Rate :	5
Tested Rate :	2
Draw Down :	35
Completion :	X
Drill Log :	X
Well Cancel :	N/R
Cadastral :	A04001001DCB
Watershed :	AGUA FRIA RIVER
County :	MARICOPA
Basin Name :	PHOENIX AMA
Sub Basin Name :	WEST SALT RIVER VALLEY
AMA :	PHOENIX
Quad Code :	A
Whole Town :	4
Half Town :	0
North/South :	N
Whole Range :	1
Half Range :	0

Map Id: B7
Direction: SSW
Distance: 0.915 mi.
Actual: 4830.243 ft.
Elevation: 0.26 mi. / 1370.938 ft.
Relative: Lower

Site Name : 55-633385
33.713453652299997,
-112.210748903999999
AZ

Database(s) : [WELLS - AZ] ***(cont.)***

Envirosite ID: 419212327
EPA ID: N/R

WELLS - AZ ***(cont.)***

East/West :	E
Section :	1
Quarter 16 :	D
Acre 160 Direction :	SE
Quarter 40 :	C
Acre 40 :	SW
Quarter 10 :	B
Acre 10 Direction :	NW
UTM X (meter) :	387812.7
UTM Y (meter) :	3731043
Last Date in Agency List :	08/20/2019

Map Id: B8
Direction: SSW
Distance: 0.915 mi.
Actual: 4830.243 ft.
Elevation: 0.26 mi. / 1370.938 ft.
Relative: Lower

Site Name : 55-912424
33.713453652299997,
-112.210748903999999
AZ

Database(s) : [WELLS - AZ]

Envirosite ID: 419251957
EPA ID: N/R

WELLS - AZ

Approved Date :	08/06/2010
Installed Date :	08/18/2010
Application Date :	08/06/2010
Program :	55
Registration ID :	912424
Owner Name :	BUN HEANG SAM
Pump Data Available :	NO
Well Type :	EXEMPT
Well Type 2 :	EXEMPT
DLIC Number :	239
Well Depth :	620
Water Level :	510
Casing Depth :	620
Casing Diameter :	5
Casing Type :	STEEL - PERFORATED OR SLOTTED CASING
Pump Type :	N/R
Pump Power :	N/R
Pump Rate :	0
Tested Rate :	0
Draw Down :	0
Completion :	N/R
Drill Log :	X
Well Cancel :	N/R
Cadastral :	A04001001DCB
Watershed :	AGUA FRIA RIVER
County :	MARICOPA
Basin Name :	PHOENIX AMA
Sub Basin Name :	WEST SALT RIVER VALLEY
AMA :	PHOENIX

Map Id: B8
Direction: SSW
Distance: 0.915 mi.
Actual: 4830.243 ft.
Elevation: 0.26 mi. / 1370.938 ft.
Relative: Lower

Site Name : 55-912424
33.713453652299997,
-112.210748903999999
AZ

Database(s) : [WELLS - AZ] ***(cont.)***

Envirosite ID: 419251957
EPA ID: N/R

WELLS - AZ ***(cont.)***

Quad Code :	A
Whole Town :	4
Half Town :	0
North/South :	N
Whole Range :	1
Half Range :	0
East/West :	E
Section :	1
Quarter 16 :	D
Acre 160 Direction :	SE
Quarter 40 :	C
Acre 40 :	SW
Quarter 10 :	B
Acre 10 Direction :	NW
UTM X (meter) :	387812.7
UTM Y (meter) :	3731043
Last Date in Agency List :	08/20/2019

Map Id: B9
Direction: SSW
Distance: 0.915 mi.
Actual: 4830.243 ft.
Elevation: 0.26 mi. / 1370.938 ft.
Relative: Lower

Site Name : 55-204542
33.71345365, -112.2107489
AZ

Database(s) : [WELLS - AZ]

Envirosite ID: 439677988
EPA ID: N/R

WELLS - AZ

Approved Date :	09/10/2004
Installed Date :	N/R
Application Date :	08/06/2004
Program :	55
Registration ID :	204542
Owner Name :	M20 INVESTMENTS, INC
Pump Data Available :	NO
Well Type :	EXEMPT
Well Type 2 :	EXEMPT
DLIC Number :	674
Well Depth :	0
Water Level :	0
Casing Depth :	0
Casing Diameter :	0
Casing Type :	N/R
Pump Type :	N/R
Pump Power :	N/R
Pump Rate :	0
Tested Rate :	0
Draw Down :	0
Completion :	N/R
Drill Log :	N/R
Well Cancel :	Y
Cadastral :	A04001001DCB

Map Id: B9
Direction: SSW
Distance: 0.915 mi.
Actual: 4830.243 ft.
Elevation: 0.26 mi. / 1370.938 ft.
Relative: Lower

Site Name : 55-204542
33.71345365, -112.2107489
AZ

Database(s) : [WELLS - AZ] ***(cont.)***

Envirosite ID: 439677988
EPA ID: N/R

WELLS - AZ ***(cont.)***

Watershed :	AGUA FRIA RIVER
County :	MARICOPA
Basin Name :	PHOENIX AMA
Sub Basin Name :	WEST SALT RIVER VALLEY
AMA :	PHOENIX
Quad Code :	A
Whole Town :	4
Half Town :	0
North/South :	N
Whole Range :	1
Half Range :	0
East/West :	E
Section :	1
Quarter 16 :	D
Acre 160 Direction :	SE
Quarter 40 :	C
Acre 40 :	SW
Quarter 10 :	B
Acre 10 Direction :	NW
UTM X (meter) :	387812.7
UTM Y (meter) :	3731043
Last Date in Agency List :	01/07/2020

Map Id: B10
Direction: SSW
Distance: 0.915 mi.
Actual: 4830.243 ft.
Elevation: 0.26 mi. / 1370.938 ft.
Relative: Lower

Site Name : 55-221787
33.71345365, -112.2107489
AZ

Database(s) : [WELLS - AZ]

Envirosite ID: 439693357
EPA ID: N/R

WELLS - AZ

Approved Date :	10/18/2012
Installed Date :	10/25/2012
Application Date :	10/18/2012
Program :	55
Registration ID :	221787
Owner Name :	CRAIG F. AND KRYSTAL D. OVERSON
Pump Data Available :	NO
Well Type :	EXEMPT
Well Type 2 :	EXEMPT
DLIC Number :	674
Well Depth :	505
Water Level :	340
Casing Depth :	500
Casing Diameter :	4
Casing Type :	PLASTIC OR PVC
Pump Type :	CENTRIFUGAL
Pump Power :	NO POWER CODE LISTED
Pump Rate :	7
Tested Rate :	7
Draw Down :	0

Map Id: B10
Direction: SSW
Distance: 0.915 mi.
Actual: 4830.243 ft.
Elevation: 0.26 mi. / 1370.938 ft.
Relative: Lower

Site Name : 55-221787
33.71345365, -112.2107489
AZ

Database(s) : [WELLS - AZ] ***(cont.)***

Envirosite ID: 439693357
EPA ID: N/R

WELLS - AZ ***(cont.)***

Completion :	X
Drill Log :	X
Well Cancel :	N/R
Cadastral :	A04001001DCB
Watershed :	AGUA FRIA RIVER
County :	MARICOPA
Basin Name :	PHOENIX AMA
Sub Basin Name :	WEST SALT RIVER VALLEY
AMA :	PHOENIX
Quad Code :	A
Whole Town :	4
Half Town :	0
North/South :	N
Whole Range :	1
Half Range :	0
East/West :	E
Section :	1
Quarter 16 :	D
Acre 160 Direction :	SE
Quarter 40 :	C
Acre 40 :	SW
Quarter 10 :	B
Acre 10 Direction :	NW
UTM X (meter) :	387812.7
UTM Y (meter) :	3731043
Last Date in Agency List :	01/07/2020

Map Id: B11
Direction: SSW
Distance: 0.915 mi.
Actual: 4830.243 ft.
Elevation: 0.26 mi. / 1370.938 ft.
Relative: Lower

Site Name : 55-505017
33.71345365, -112.2107489
AZ

Database(s) : [WELLS - AZ]

Envirosite ID: 439707658
EPA ID: N/R

WELLS - AZ

Approved Date :	N/R
Installed Date :	04/13/1983
Application Date :	03/18/1983
Program :	55
Registration ID :	505017
Owner Name :	RON MCCLURE
Pump Data Available :	NO
Well Type :	EXEMPT
Well Type 2 :	EXEMPT
DLIC Number :	35
Well Depth :	520
Water Level :	320
Casing Depth :	493
Casing Diameter :	6
Casing Type :	STEEL - PERFORATED OR SLOTTED CASING
Pump Type :	SUBMERSIBLE

Map Id: B11
Direction: SSW
Distance: 0.915 mi.
Actual: 4830.243 ft.
Elevation: 0.26 mi. / 1370.938 ft.
Relative: Lower

Site Name : 55-505017
33.71345365, -112.2107489
AZ

Database(s) : [WELLS - AZ] ***(cont.)***

Envirosite ID: 439707658
EPA ID: N/R

WELLS - AZ ***(cont.)***

Pump Power :	ELECTRIC MOTOR < 1 HP
Pump Rate :	2
Tested Rate :	2
Draw Down :	0
Completion :	X
Drill Log :	X
Well Cancel :	Y
Cadastral :	A04001001DCB
Watershed :	AGUA FRIA RIVER
County :	MARICOPA
Basin Name :	PHOENIX AMA
Sub Basin Name :	WEST SALT RIVER VALLEY
AMA :	PHOENIX
Quad Code :	A
Whole Town :	4
Half Town :	0
North/South :	N
Whole Range :	1
Half Range :	0
East/West :	E
Section :	1
Quarter 16 :	D
Acre 160 Direction :	SE
Quarter 40 :	C
Acre 40 :	SW
Quarter 10 :	B
Acre 10 Direction :	NW
UTM X (meter) :	387812.7
UTM Y (meter) :	3731043
Last Date in Agency List :	01/07/2020

Map Id: C12
Direction: SSW
Distance: 0.954 mi.
Actual: 5034.853 ft.
Elevation: 0.26 mi. / 1370.325 ft.
Relative: Lower

Site Name : 334245112123301
33.7125373, -112.209879
AZ

Database(s) : [NWIS]

Envirosite ID: 441047211
EPA ID: N/R

NWIS

Site Identification Number :	334245112123301
Site Type :	Well
Station Name :	A-04-01 01DCB
Agency :	Arizona Department of Water Resources
District :	Arizona
State :	AZ
County :	Maricopa County
Country :	USA
Land Net Location :	NWSWSES01 T04N R01E G
Name of Location Map :	HEDGPETH HILLS
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	1369.

Map Id: C12
Direction: SSW
Distance: 0.954 mi.
Actual: 5034.853 ft.
Elevation: 0.26 mi. / 1370.325 ft.
Relative: Lower

Site Name : 334245112123301
33.7125373, -112.209879
AZ

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 441047211
EPA ID: N/R

NWIS ***(cont.)***

Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Agua Fria
Drainage Basin :	N/R
Topographic Setting :	Valley flat
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19791226
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	493.
Hole Depth :	493.
Source of Depth Data :	D
Project Number :	SRV
Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Data Begin Date :	N/R
Field Water-Level Data End Date :	N/R
Field Water-Level Data Count :	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	33.71253730
Longitude :	-112.20987900
Last Date in Agency List :	01/17/2020

Map Id: C13
Direction: SSW
Distance: 0.954 mi.
Actual: 5034.882 ft.
Elevation: 0.26 mi. / 1370.325 ft.
Relative: Lower

Site Name : 334245112123301
33.71253733, -112.20987937
AZ

Database(s) : [WELLS - GWSI - AZ]

Envirosite ID: 437810070
EPA ID: N/R

WELLS - GWSI - AZ

Site ID :	334245112123301
Local ID :	A-04-01 01DCB
Registration ID :	633385
Well Type :	GWSI
Well Alt :	1369

Map Id: C13
Direction: SSW
Distance: 0.954 mi.
Actual: 5034.882 ft.
Elevation: 0.26 mi. / 1370.325 ft.
Relative: Lower

Site Name : 334245112123301
33.71253733, -112.20987937
AZ

Database(s) : [WELLS - GWSI - AZ] ***(cont.)***

Envirosite ID: 437810070
EPA ID: N/R

WELLS - GWSI - AZ ***(cont.)***

Water Use :	DOMESTIC
Well Depth :	493
Casing Diameter (Inches) :	8
Drill Date :	12/26/1979
Well Count :	0
Last Well Date :	N/R
Well DTW :	0
Well ELEV :	0
Source :	N/R
IDXBK :	N/R
Last Date in Agency List :	02/07/2020

RADON DATA:

STATE SOURCE: No Available Data

FEDERAL AREA RADON INFORMATION FOR: No Available Data

NUMBER OF SAMPLE SITES: No Available Data

WELLS - AZ
Water Well Locations
Arizona Department of Water Resources
602-771-8500
Registered Water well locations

WELLS - GWSI - AZ
Groundwater Site Inventory
Arizona Department of Water Resources
602-771-8500
Groundwater Site Inventory (GWSI) consists of field-verified data regarding wells and springs.

HIST PWS ENF
Historical Public Water Supply locations with Enforcement Violations
Environmental Protection Agency
(800) 426-4791
List of Safe Drinking Water Information Systems (SDWIS) with enforcement violations that are no longer in current agency list.

NWIS
National Water Information Systems
United States Geological Society
(703) 648-5953
Information on all water resources for the United States. This database contains all current and historical data for the nation.

PWS
Public Water Supply
Environmental Protection Agency
(800) 426-4791
Safe drinking water information Systems

PWS ENF
Public Water Supply locations with Enforcement Violations
Environmental Protection Agency
(800) 426-4791
Safe drinking water information Systems with enforcememnt violations

FLOOD Q3
Flood data
Environmental Protection Agency
(202) 566-1667
Q3 Flood Data

HYDROLOGIC UNIT
Hydrologic Unit Maps
USGS
The United States Geological Survey created a hierarchical system of hydrologic units originally called regions, sub-regions, accounting units, and cataloging units. Each unit was assigned a unique Hydrologic Unit Code (HUC). As first implemented the system had 21 regions, 221 subregions, 378 accounting units, and 2,264 cataloging units. Over time the system was changed and expanded. As of 2010 there are six levels in the hierarchy, represented by hydrologic unit codes from 2 to 12 digits long, called regions, subregions, basins, subbasins, watersheds, and subwatersheds. The table below describes the system's hydrologic unit levels and their characteristics, along with example names and codes.

WETLANDS NWI
National Wetland Inventory
U.S. Fish and Wildlife Service
(703) 358-2171
Wetland Inventory for the United States

SSURGO
Detailed Soil Data Map
Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985
Detailed Soil Data Map

STATSGO & MUI
General Soil Data Map
Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985
General Soil Data Map

USGS GEOLOGIC AGE
USGS Digital Data Series DDS
Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985
USGS Digital Data Series DDS: Geologic Age and Rock Stratigraphic Unit

HIST DRY WELL - AZ
Historical Drywell Registration
Arizona Department of Environmental Quality
602-771-7638
List of Registered drywell facility that is no longer in current agency list.

RADON
National Radon Database
USGS
703-605-6008
A study of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

AIRPORT FACILITIES
Airport landing facilities
Federal Aviation Administration
(866) 835-5322
Airport landing facilities

BASINS
Better Assessment Science Integrating point & Non-point Sources
U.S. Environmental Protection Agency
855-246-3642
Integrated geographical information system national watershed data and environmental assessment known as Better Assessment Science Integrating point & Non-point Sources

DIGITAL OBSTACLE
Obstacles of interest to aviation users
Federal Aviation Administration
855-379-6518
The Digital Obstacle File describes all known obstacles of interest to aviation users in the U.S. with limited coverage of the Pacific the Caribbean Canada and Mexico. The obstacles are assigned unique numerical identifiers; accuracy codes and listed in order of ascending latitude within each state or area by FAA Region.

EPICENTERS
National Geographical Data Center
National Geographical Data Center
303-497-6826
List of recent and historic earthquakes and information.

FLOOD DFIRM
National Flood Hazard Layer Database
Federal Emergency Management Agency
The National Flood Hazard Layer Database (NFHL) is a computer database that contains the flood hazard map information from FEMAs Flood Map Modernization program. These map data are from Digital Flood Insurance Rate Map (DFIRM) databases and Letters of Map Revision.

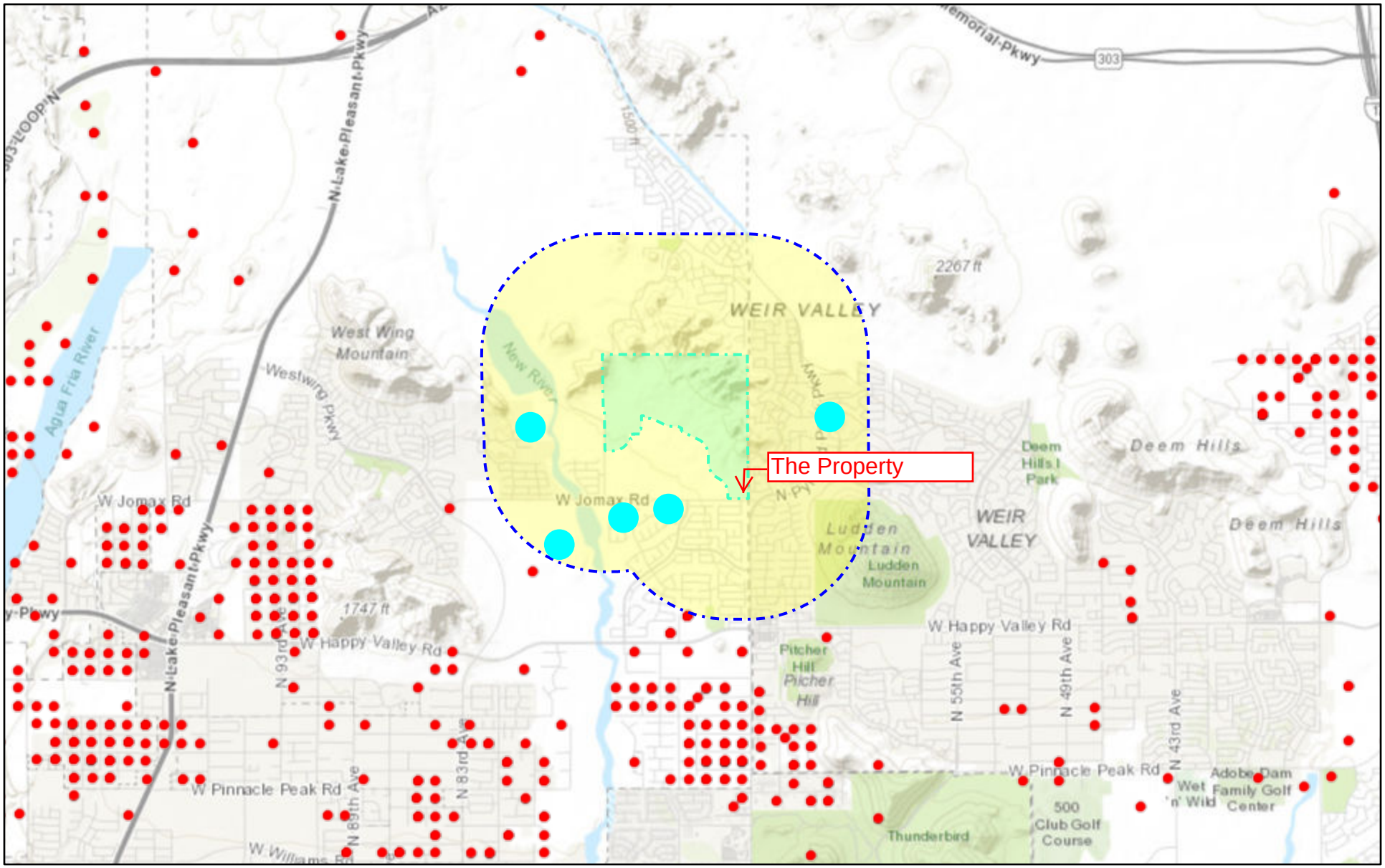
APPENDIX D

ADWR WELL REGISTRY
AND ONE MILE RADIUS MAP

One Mile Radius ADWR Well Inventory
APN 201-29-381
NWC Jomax and 67th Avenue
Peoria, AZ

REG #	Cadastral	Owner Name	Well Type	Well Depth (ft)	Casing Depth (ft)	Case Dia (in)	Drill Date	Application Date	Water Level (ft)
510225	A05001035000	MARICOPA COUNTY,	OTHER	138	136	8	3/13/1985	1/30/1985	43
516503	A04001002ACA	RODENKIRK, LARRY,	EXEMPT	0	0	0		1/28/1987	0
567942	A05002031ACC	CURT LYON	EXEMPT					3/31/1998	
612618	A04001001BAA	ENGLE HOMES OF ARIZONA	NON-EXEMP	660	660	10	1/11/1978	6/11/1982	360
640325	A04001001BB0	RICHARDS JR,E W	EXEMPT	405	680	5	5/8/1979	7/9/1982	0

One Mile Radius, APN 201-29-381, NWC Jomax and 67th Ave., Peoria, AZ



April 27, 2020

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

Arizona Department of Water Resources, Sources: Esri, HERE, Garmin,

Arizona Department of Water Resources