

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
~8-ACRE ARIZONA STATE LAND DEPARTMENT PROPERTY
SOUTHWEST CORNER OF HAPPY VALLEY ROAD
AND INTERSTATE 17
PHOENIX, ARIZONA

Prepared for:

MTM DEVELOPERS, LLC
AND
ARIZONA STATE LAND DEPARTMENT

Prepared by:

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
PHOENIX, ARIZONA

CEC Project 331-143

MARCH 9, 2023



Civil & Environmental Consultants, Inc.



March 9, 2023

Mr. Ron Newhouse
MTM Developers, LLC
9151 W. Via del Sol
Peoria, Arizona 85383

Dear Mr. Newhouse:

Subject: Report of Phase I Environmental Site Assessment
~8-Acre Arizona State Land Department Property
Southwest Corner of Happy Valley Rd. and Interstate 17, Phoenix, Arizona
CEC Project 331-143

Civil & Environmental Consultants, Inc. (CEC) is pleased to submit the attached Phase I Environmental Site Assessment (ESA) report for the above referenced Subject Property. This Phase I ESA was performed at your request in accordance with our agreed upon proposal, dated February 17, 2023.

We appreciate the opportunity to be of continuing service to you. If you have any questions or require additional services, please feel free to contact us at (602) 760-2324.

Sincerely,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.



Dan Pike, P.E.
Assistant Project Manager

Ryan D. Dunning
Vice President

Enclosures

EXECUTIVE SUMMARY

The Executive Summary below is an overview of the results of this Phase I Environmental Site Assessment (ESA) and should not be considered apart from the entire report, which contains the rationale and qualifications used by Civil & Environmental Consultants, Inc. (CEC) in making the opinions and conclusions presented herein.

PROPERTY NAME/ADDRESS:	~8-Acre Arizona State Land Department Property Southwest Corner of Happy Valley Road and Interstate 17, Phoenix, Arizona
INTENDED USER(S):	MTM Developers, LLC
PROPERTY/TAX ID:	None - unleased Arizona State Land Department (ASLD) property.
PROPERTY OWNER:	ASLD
PROPERTY DESCRIPTION:	
Land Area:	~8 Acres
Improvements:	None
Water/Sanitary:	None
Heating Fuel:	None
CURRENT USE:	Undeveloped land
HISTORIC USE:	The Subject Property has been undeveloped since at least 1940.
ADJACENT PROPERTY USE:	North: Happy Valley Road with undeveloped land East: Interstate 17 and retail shopping beyond South: City of Phoenix Park & Ride facility West: E. 29 th Avenue with Skunk Creek Landfill (SCLF) beyond
SIGNIFICANT DATA GAPS:	None identified
RECOGNIZED ENVIRONMENTAL CONDITIONS (RECS):	None identified

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1.0 INTRODUCTION

This report documents the results of a Phase I ESA for the vacant property located at the southwest corner of Happy Valley Road and Interstate 17 (I-17) in Phoenix, Maricopa, Arizona (the “Subject Property” or “Site”). CEC conducted this assessment on behalf of MTM Developers, LLC (MTM) in accordance with our proposal, dated February 17, 2023. MTM requested that CEC perform this Phase I ESA as part of their due diligence prior to purchasing the Subject Property from the Arizona State Land Department (ASLD). As such, CEC understands that MTM will be the user¹ of this Phase I ESA.

1.1 PURPOSE

The purpose of this Phase I ESA is to identify, to the extent feasible pursuant to the process prescribed herein, recognized environmental conditions (RECs)² in connection with the Subject Property in accordance with ASTM International (ASTM) E1527-13 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (the “Standard”). In doing so, this Phase I ESA is intended to permit the user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on liability (hereinafter, the “landowner liability protections”) available under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended (42 U.S.C. §9601). No sampling or testing of materials, soil, water, air, or other environmental media was performed.

1.2 SCOPE OF SERVICES

CEC performed the following scope of services in order to meet the purpose of this Phase I ESA.

¹ The term user is defined in the Standard as “the party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager.” The user is also the party that intends to use the Phase I ESA to satisfy one of the requirements to qualify for the landowner liability protections under CERCLA.

² The term recognized environmental conditions (RECs) is defined in the Standard as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any 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.”

1.2.1 Records Review

The purpose of the records review is to identify, obtain, and review reasonably ascertainable records from standard sources that will help identify RECs in connection with the Subject Property.

The records review consisted of the following:

- (1) Standard Environmental Record Sources: A review of records obtained through a search of reasonably ascertainable government agency databases was performed to determine if the Subject Property and/or properties within prescribed search distances are listed in databases indicative of conditions or activities that may have a negative impact on the Subject Property. The sources and approximate minimum search distances included in the search were those set forth in the Standard.
- (2) Physical Setting Sources: A review of the current USGS 7.5-Minute Topographic Map showing the area of the Subject Property and other regional geology and soil maps described in Section 4.3 to gain a general understand its physical setting.
- (3) Historical Use Information: A review of select reasonably ascertainable historical resources to develop a history of the previous uses of the Subject Property, its adjoining properties, and properties in the surrounding area to identify the likelihood of past uses having led to RECs in connection with the Subject Property. CEC utilized various historical resources to identify the obvious uses of the Subject Property back to its first developed use, or back to 1940, whichever was earlier, as described in Section 4.4, and to the extent practical based on the available resources.

1.2.2 Subject Property Reconnaissance

A reconnaissance was performed by a CEC Environmental Professional (EP) to obtain information indicating the likelihood of RECs in connection with the Subject Property. The reconnaissance consisted of a visit to observe the physical setting of the Subject Property and evaluate its current and former uses. The current uses of adjoining properties were identified to the extent that they were visually and/or physically observable from the Subject Property or from public areas during the reconnaissance.

1.2.3 Interviews

CEC's EP conducted interviews with the individuals listed in Section 6.0 in order to obtain information indicating RECs in connection with the Subject Property.

1.2.4 Report

After completion of the above tasks, CEC prepared this Phase I ESA report describing the scope of services performed, the findings that include the identification of RECs and opinions of the potential impact of the RECs on the property, and whether additional appropriate investigations would be necessary.

1.2.5 Non-Scope Considerations and Additional Services

Unless otherwise explicitly stated, the scope of services for this Phase I ESA does not include the collection and analysis of any environmental media. In accordance with the Standard, issues considered beyond the scope of this Phase I ESA include asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, biological agents, PCB-containing building materials, controlled substances, and mold. In addition, issues regarding ionizing radiation, oil/gas production, mineral rights and mining, and geotechnical suitability are also considered beyond the scope of this ESA.

No additional services beyond the scope defined in the Standard were requested by MTM as part of the Phase I ESA.

1.3 SIGNIFICANT ASSUMPTIONS

CEC completed this Phase I ESA using the following significant assumptions:

- The information obtained from presumably knowledgeable parties (e.g. Subject Property owner, manager, user, tenants, etc.), regulatory agencies, or other sources was assumed to be accurate and reliable.

- The obtained regulatory database information was assumed to accurately reflect the information contained in the regulatory agency records unless it was obviously contradicted by other data.
- Shallow groundwater flow was assumed to mimic area topography as depicted on the local USGS 7.5-minute topographic map and as observed during the reconnaissance. Within the scope of this ESA, no subsurface data was obtained to evaluate the actual groundwater flow direction beneath the Subject Property. Local factors, such as underground utilities, heterogeneous subsurface features, and seasonal fluctuations, among other factors may influence the actual direction of groundwater flow at and near the Subject Property. Site-specific groundwater flow can only be determined through the installation of piezometers into the transmissive zone being evaluated.

1.4 LIMITATIONS AND EXCEPTIONS

CEC performed this Phase I ESA consistent with professional standards and in accordance with the scope and limitations defined in the Standard. This report presents CEC's field observations, results and opinions as they existed on the date of the reconnaissance, and is subject to modification by CEC, if CEC or any other party develops subsequent information. Limiting conditions encountered as part of this ESA, if any, are discussed in the corresponding sections of this report.

Performance of this Phase I ESA is intended to reduce, but not eliminate, uncertainty of environmental conditions associated with the property. Therefore, the information and comments made in this report should not be construed to warrant or guarantee the property, or express or imply, without limitation, warranties as to its marketability or fitness for a particular use. Furthermore, the information that is provided in this report is not intended, nor should it be construed to be, legal advice. The review of site-specific documentation was limited to those items referenced in this report.

It should be noted that this report is time sensitive and has specific limitations related to the viability of the information contained herein. Specific to Phase I ESAs, the Standard imposes a “shelf life”³ on the reports and components thereof, as well as specific user obligations. It is the responsibility of the user to verify the continued viability of the report.

1.5 SPECIAL TERMS AND CONDITIONS

There are no special terms or conditions associated with this Phase I ESA.

1.6 USER RELIANCE

This report is intended for the sole use of MTM and ASLD. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of others, and use of this document or the findings, conclusions, or recommendations contained herein by others is at their sole risk. Reliance by MTM and ASLD on the facts, conclusions, and recommendations presented in this report is subject to the agreed upon specific scope of services and contractual terms and conditions, including explicit indemnification statements and limitations on CEC’s financial liability.

This report and its findings shall not, in whole or in part, be disseminated or conveyed to another party, nor used by another party in whole or in part, without prior written consent of CEC, except as permitted by the Standard.

³ According to the Standard, the shelf life, or “continued viability,” of the ESA is “Subject to Section 4.8, an environmental site assessment meeting or exceeding this practice and completed less than 180 days prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction is presumed to be valid. If within this period the assessment will be used by a user different than the user for whom the assessment was originally prepared, the subsequent user must also satisfy the user’s Responsibilities in Section 6. Subject to Section 4.8 and the user’s Responsibilities set forth in Section 6, an environmental site assessment meeting or exceeding this practice and for which the information was collected or updated within one year prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction may be used provided that the following components of the inquiries were conducted or updated within 180 days of the date of purchase or the date of the intended transaction: (i) interviews with owners, operators, and occupants; (ii) searches for recorded environmental cleanup liens; (iii) reviews of federal, tribal, state, and local government records; (iv) visual inspections of the property and of adjoining properties; and (v) the declaration by the environmental professional responsible for the assessment or update.”

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 LOCATION AND LEGAL DESCRIPTION

The Subject Property is located on the south side of Happy Valley Road, extending approximately 0.13 miles south towards Pinnacle Peak Road, and extending approximately 0.11 miles west from I-17 to 29th Avenue. The Subject Property is not identified by a parcel number by the Maricopa County Assessor and does not currently have a legal description. A Site Topographic Map and Site Aerial Map are attached as Figure 1 and Figure 2, respectively. Refer to Appendix A for a copy of the legal description, as provided by ASLD.

2.2 SUBJECT PROPERTY AND VICINITY GENERAL CHARACTERISTICS

The approximate 8-acre Subject Property is comprised of an irregularly shaped swath of vacant land encompassing an approximate 700' x 315'-770' area adjoining the west side of I-17 and the south side of Happy Valley Road. Above-ground electric service transmission lines are present along the west side of the Site, east of 29th Avenue. Native soil and vegetation are present throughout the Site.

The land use in the immediate vicinity of the Subject Property is primarily commercial. Residential development is present approximately 0.50 miles southeast and 0.75 miles west of the Subject Property. The west adjacent property is a closed municipal solid waste landfill identified as Skunk Creek Landfill (SCLF).

The topography of the Subject Property and the vicinity is generally flat with a gentle slope to the southwest.

2.3 CURRENT USE OF THE SUBJECT PROPERTY

The Subject Property is owned by ASLD and is undeveloped.

2.4 DESCRIPTION OF STRUCTURES, ROADS, AND OTHER IMPROVEMENTS

The Subject Property is vacant land with native soil and vegetation present throughout. Civil infrastructure and other improvements do not appear to be present. Chain-link fencing is present

along the east property boundary and metal panel fencing along the south property boundary. Refer to Appendix B for photographs of the Subject Property.

Service connections for utilities including water, sewer, natural gas, communications and electricity do not appear to be present at the Subject Property.

2.5 CURRENT USES OF THE ADJOINING PROPERTIES

The Subject Property is bordered to the north by Happy Valley Road with vacant land beyond; to the east by I-17 with retail shopping and dining beyond; to the south by City of Phoenix's Happy Valley Road and I-17 Park and Ride facility beyond; and to the west by 29th Avenue, and the closed SCLF beyond.

3.0 USER PROVIDED INFORMATION

The “user” of this Phase I ESA is defined by the Standard as “the party seeking to use Practice E 1527 to complete an ESA of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager.” CEC understands that MTM are the users of this Phase I ESA.

In order to qualify for one of the landowner liability protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the user must provide information, if available, to the environmental professional. Mr. Ron Newhouse of MTM, as representative of the “User,” completed a user questionnaire and provided his knowledge pertaining to the Subject Property. User provided records and responses to the user questionnaire are included in Appendix C.

4.0 RECORDS REVIEW

4.1 ENVIRONMENTAL RECORD SOURCES

4.1.1 Government Environmental Databases

CEC contracted with Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut to conduct a search of reasonably ascertainable environmental record sources published by Federal, State, and/or Tribal regulatory agencies with jurisdiction over the Subject Property. EDR also searches their proprietary databases of historical auto station, dry cleaner, and manufactured gas plant locations. The search of each database was conducted using the approximate minimum search distances from the Subject Property defined by the Standard. The results of EDR's search were used to evaluate if the Subject Property and/or properties within prescribed search distances are listed as having a past or present record of actual or potential environmental impact. Please note that regulatory listings include only those properties, which are known to the regulatory agencies at the time of publication to be 1) contaminated, 2) in the process of evaluation for potential contamination, or 3) regulated. Inclusion of a property in a government database list does not necessarily indicate that the property has an environmental problem.

EDR plotted the locations of the listed properties identified in the search relative to the Subject Property and provided the regulatory information available for each in a Radius Map Report, February 23, 2023. Refer to Appendix D for a copy of EDR's Radius Map Report, which includes an "Overview Map" and a "Detail Map" showing the locations of the identified properties. A listing of the "standard" and "additional" record sources reviewed is also included.

4.1.1.1 Subject Property Listings

The Subject Property was not listed on the databases included in the EDR Radius Map Report.

4.1.1.2 Non-Subject Property Listings

EDR's Radius Map Report identified three non-Subject Property listings on the various databases within the approximate minimum search distances from the Subject Property. CEC reviewed the data presented for this listing and evaluated them based on its regulatory status (according to EDR's report), its distance from the Subject Property, and the general geology of the region (refer to Section 4.2).

- SCLF (approximately 200 feet west and downgradient of the Subject Property) is listed as a closed municipal solid waste landfill. Records indicate that the landfill accepted municipal waste for City of Phoenix from at least 1979 to 2005.

Please refer to EDR’s Radius Map Report in Appendix D for complete details of the listings.

4.1.1.3 Orphan Listings

Not all sites or facilities identified in the database records can be accurately located in relation to the Subject Property due to incomplete information being supplied to the regulatory agencies and are referred to as “orphan sites” by EDR. The “Orphan Summary” section of the EDR Radius Map Report identified no orphan sites.

4.1.2 State Environmental Regulatory Agency

Based on the evaluation of the government environmental database listings described in Section 4.1.1, CEC filed a FOIA request with Arizona Department of Environmental Quality (ADEQ) on February 21, 2023. CEC accessed records provided at the ADEQ Records Center in Phoenix, Arizona on March 8, 2023.

During operation as a municipal solid waste landfill, aboveground storage tanks (ASTs) and underground storage tanks (UST) were used to store and dispense petroleum products including gasoline and diesel. On November 8, 1989, one 500-gallon UST containing gasoline and one 10,000-gallon UST containing diesel were closed by removal. Soil samples collected for laboratory analysis did not indicate the presence of petroleum impacts exceeding then ADEQ-established Suggested Clean-Up Levels. ADEQ appears to have closed the Leaking Underground Storage Tank (LUST) file associated with SCLF on December 16, 1989. One 1,000-gallon AST containing gasoline and one 10,000-gallon AST containing diesel were also maintained at SCLF through at least January 3, 2003.

Groundwater monitoring and sampling (GM&S) activities at SCLF have been conducted at least as recently as February 2, 2020. Monitoring data collected on December 12-13, 2019 indicates that the depth to water ranged between 239.85 – 416.90 feet below ground surface and that groundwater flows to the south-southwest away from the Subject Property. Review of laboratory analytical data for samples collected in 2018 and 2019 does not suggest the likely migration of impacted groundwater onto the Subject Property from SCLF.

4.1.3 Local Fire Department

Based on its historically undeveloped nature and the lack of an applicable physical address, CEC did not review files at the City of Phoenix Fire Department (PFD) for the Subject Property. CEC filed a FOIA request with PFD for the west adjacent SCLF property on February 23, 2023.

PFD did not identify records of fire or hazardous material release response incidents at the SCLF property. Records provided by PFD indicate that one 10,000-gallon storage tank and one 500-gallon storage tank containing flammable materials were removed from SCLF on November 7 – 8, 1989. A field report describing the storage tank removal suggest that contamination in soil was observed at the location of the 500-gallon storage tank.

Records of citations written by PFD to City of Phoenix indicate that one 12,000-gallon aboveground storage tank (AST) containing diesel and one 1,000-gallon AST containing gasoline were present at SCLF at least as recently as January 3, 2003. One 10,000-gallon AST containing an unknown product was installed on a temporary basis on February 27, 1987. Records provided by PFD indicate that it was still in operation as a temporary AST on June 30, 1991.

Records provided by PFD and ADEQ are included as Appendix E.

4.1.4 Local Environmental Health Department

CEC conducted a review of septic permits available on the Maricopa County Environmental Services Department (MCED) website. No permits were available for the Subject Property or its larger parent parcel. A septic permit was filed with MCED on March 26, 1999 at the SCLF property identified as Maricopa County Assessor's Parcel No. (APN) 205-09-002, north of Happy Valley Road. The permit indicates that the septic tank system was to be installed approximately 1,000 feet northwest of the Subject Property. A copy of the septic system permit is provided in Appendix E.

4.2 PHYSICAL SETTING SOURCES

CEC reviewed information from various physical setting sources to evaluate the general characteristics of the subsurface geology in the vicinity of the Subject Property. This information was reviewed to evaluate how those characteristics may influence movement of potential

subsurface impacts identified on or near the Subject Property. It was not the intent of this review to evaluate the geotechnical conditions of the Subject Property or to assess geologic concerns such as foundation conditions, faulting, subsidence, mining, or oil/gas wells.

4.2.1 Topography

Review of the 7.5-minute Topographic Quadrangle Map of "Union Hills, AZ" (U.S. Geological Survey, 2018) indicates that the ground surface of the Subject Property is mapped at an elevation of approximately 1,437± feet above mean sea level (amsl). The nearest surface water body was identified as Salt River approximately 0.24 miles to the west of the Subject Property. Refer to Figure 1 for an excerpt of this map.

4.2.2 Geology

According to the Geological Map of Arizona (ADEQ Geologic Survey Division, 2013), the regional geology in the area of the Subject Property consists primarily of Late to Middle Pleistocene Surficial Deposits, which is unconsolidated to weakly sand and gravel in river channels and sand, silt, and clay on floodplains.

4.2.3 Hydrogeology

Based on the regional topographic gradient of the Site and vicinity, shallow groundwater flow is anticipated to flow southwest towards Skunk Creek. According to the Hydrologic map Series Report No. 35 (Arizona Department of Water Resources, 2003), the depth to groundwater is anticipated to be approximately 366 feet below grade and flows to the southwest toward Skunk Creek. Actual groundwater characteristics cannot be determined without a Site-specific subsurface investigation.

4.3 HISTORICAL USE INFORMATION ON THE SUBJECT PROPERTY AND ADJOINING PROPERTIES

CEC reviewed the readily available historical sources described in the following sections to ascertain the historical uses of the Subject Property and immediately adjacent properties to evaluate the presence of activity that could present RECs. Information, as summarized below, was obtained dating back to 1940.

4.3.1 Local Assessor's Tax Files

The Subject Property is an unleased parcel owned by ASLD and does not have an assigned Maricopa County Assessor parcel number.

4.3.2 Local Building Department

Based on its historically undeveloped nature, CEC did not review files at the City of Phoenix Planning and Development Services Department.

4.3.3 Aerial Photographs

Aerial photographs were obtained for the vicinity of the Subject Property from EDR. Photographs were available from 1940, 1949, 1954, 1962, 1964, 1976 1979, 1981, 1986, 1997, 2007, 2010, 2015 and 2019.

The 1940 through 1954 aerial photographs depict the Subject Property and adjacent as undeveloped land. An unpaved road is depicted west adjacent to the Site and I-17 is depicted east of the Site.

The 1962 and 1964 aerial photographs depict the Subject Property and adjacent properties to be similar to the previous aerial photographs. Happy Valley Road is shown north adjacent to the Site.

The 1976 through 1979 aerial photographs depict land grading activity northwest of the intersection of Happy Valley Road and 29th Avenue. The land grading appears to be in preparation for waste acceptance at SCLF or for aggregate material extraction.

The 1981-1997 aerial photographs depict the Subject Property as similar to the previous aerial photographs. Development of the west adjacent property for use as the SCLF is visible. Development of the property approximately 0.25 miles south of the Site for state government use is also depicted.

The 2007 aerial photograph depicts the Subject Property and the adjacent properties as similar to the previous aerial photograph. Activity at the SCLF appears to have been terminated. Commercial development is visible east of the I-17.

The 2010-2019 aerial photographs depict the Subject Property and the adjacent properties to the east, west and north of the Site as similar to the previous aerial photograph. Development of the south adjacent property as a City of Phoenix Park and Ride facility is visible. Increased commercial development east of the I-17 is depicted. A lined drainage pond is depicted approximately 0.1 miles northeast of the Site, adjacent to the south-bound I-17 off-ramp.

Copies of the aerial photographs are included in Appendix F.

4.3.4 Historical Topographic Maps

Historical Topographic Maps were obtained for the vicinity of the Subject Property from EDR for the years 1957, 1964, 1971, 1973-1974, 1981, 2014 and 2018.

The 1957 topographic map depicts the area west of the Subject Property as undeveloped land with elevations between 1,400 feet amsl to 1,600 feet amsl. The Subject Property is unmapped.

The 1964 topographic map depicts the Subject Property as undeveloped land with an elevation of approximately 1,435 feet amsl. The I-17 is depicted east adjacent to the Subject Property. A gravel pit and Skunk Creek and depicted west adjacent to the Subject Property. The area approximately 0.25 miles west of the Subject Property is unmapped.

The 1971 topographic map depicts the Subject Property, the north adjacent property and the south adjacent property as undeveloped. Commercial or industrial development is indicated approximately one mile south of the Site.

The 1973/1974 and 1981 topographic maps indicate that more commercial/industrial development is present approximately one mile south of the Site. The 1981 topographic map depicts the City of Phoenix incorporation boundary west adjacent to the Site.

The 2014 and 2018 topographic maps do not indicate property use. The gravel pit formerly indicated west adjacent to the Site is no longer depicted. The 1981 topographic map depicts the City of Phoenix incorporation boundary west adjacent to the Site.

Copies of the topographic maps are attached as Appendix G.

4.3.5 Fire Insurance Maps

CEC engaged EDR to search their library for Sanborn Fire Insurance Maps available for the Subject Property. According to EDR, no Sanborn maps were found for the vicinity of the Subject Property. A letter from EDR indicating the lack of coverage is attached as Appendix H.

4.3.6 Local Street Directories

CEC contracted with EDR to prepare a street directory abstract for the Subject Property and surrounding addresses. EDR's City Directory Abstract indicated that street directories were not available for the Subject Property. Street directories were available for the property at 24601 N. 19th Avenue, approximately 0.25 miles south of the Subject Property between 1994 and 2009. Street directories were not identified for other properties in the search radius. In accordance with the Standard, the directories were reviewed in 5-year intervals, unless otherwise stated in this Section.

The Subject Property does not have a physical address; and no listings were available for the Subject Property between 1920 and 2017.

Between 1994 and 2009, the property located at 24601 N. 19th Avenue has been occupied as an Arizona Department of Corrections, Rehabilitation and Reentry juvenile correctional facility. Other listings at the property include Styling a Touch of Class cosmetology school and Black Canyon Boot Camp.

The City Directory Abstract is attached as Appendix I.

4.3.7 Previous Reports

CEC was not provided with previous environmental reports pertaining to the Subject Property.

4.4 HISTORICAL USE SUMMARY

4.4.1 Summary of the Historical Use of the Subject Property

The Subject Property has been undeveloped until at least 1940.

4.4.2 Summary of the Historical Use of the Adjacent Properties

The property east adjacent to the Site was developed as I-17 by 1949. Development of the west adjacent property as a gravel pit and, subsequently, as SCLF began at least as early as 1976. Properties east of I-17 were developed for retail shopping and dining by 2007. The City of Phoenix Happy Valley Road and I-17 Park and Ride facility was developed at the south adjacent property at least as early as 2015. The north adjacent property on the north side of Happy Valley Road is undeveloped.

5.0 SUBJECT PROPERTY RECONNAISSANCE

5.1 METHODOLOGY AND LIMITING CONDITIONS

On February 21, 2023, Dan Pike, P.E., an EP with CEC, performed a reconnaissance to visually and physically observe the Subject Property and the immediate vicinity for potential evidence and/or practices that could represent RECs. Mr. Pike was not accompanied by an owner's representative during the reconnaissance.

At the time of the reconnaissance, the visibility at the Subject Property was good and weather conditions did not interfere with the observations. The following methodology was used when performing the reconnaissance:

- Observed the Subject Property by traversing the grounds in a random pattern and traveling the perimeter.
- Observed land use and types of operations of the immediate adjacent properties from the Subject Properties and public areas.

A Site Topographic Map and Site Aerial Map are attached as Figure 1 and Figure 2, respectively. Photographs are attached as Appendix B.

5.2 GENERAL SUBJECT PROPERTY SETTING

The Subject Property is comprised of an irregularly-shaped swath of undeveloped land encompassing an approximately 700' x 300'-750' area adjoining the south side of Happy Valley Road. The east side of the Site is adjacent to the southbound on-ramp of the I-17. The Site is undeveloped and surface cover primarily consists of native soil and shrubs and bushes. The Site is accessible from north and west.

5.3 SUBJECT PROPERTY WIDE OBSERVATIONS

The following conditions were specifically assessed for their potential to indicate RECs and may include conditions inside or outside structures on the Subject Property.

5.3.1 Hazardous Substances and Petroleum Products

CEC did not observe evidence of operations that use, treat, store, dispose of, or generate hazardous substances or petroleum products on the Subject Property.

5.3.2 Storage Tanks

The Subject Property was observed for the presence of storage tanks. No obvious visual evidence indicating the current presence of storage tanks were noted.

5.3.2.1 USTs

The Subject Property was observed for the presence of USTs. No obvious visual evidence indicating the current presence of USTs (i.e. vent pipes, fill ports, etc.) was noted.

5.3.2.2 ASTs

The Subject Property was observed for the presence of ASTs. No ASTs were noted, nor was obvious visual evidence indicating the historical presence of AST (i.e. secondary containments, concrete saddles, etc.).

5.3.3 Odors

Obvious strong, pungent, or noxious odors were not noted during the reconnaissance.

5.3.4 Pools of Liquid

Pools or sumps of liquid were not observed during the reconnaissance.

5.3.5 Drums and Containers

CEC did not observe storage containers on the Subject Property.

5.3.6 Unidentified Substance Containers

CEC did not observe open or damaged containers containing unidentified substances at the Subject Property.

5.3.7 Suspect Polychlorinated Biphenyl (PCB) Containing Equipment

The Subject Property and immediate vicinity were viewed for the presence of potential PCB containing equipment, such as electrical transformers, capacitors, and hydraulic equipment.

5.3.7.1 Transformers

During the reconnaissance, two pole-mounted transformers were observed adjacent to Happy Valley Road, north of the Subject Property. Visual evidence of stains, leaks or spills was not observed on or adjacent to the transformer. CEC did not observe labeling indicating the ownership or PCB-content of the transformer.

5.3.7.2 Other Potential PCB-Containing Equipment

CEC did not observe other major classes of equipment suspected of containing PCBs on the Subject Property.

5.4 INTERIOR OBSERVATIONS

The Subject Property is undeveloped land with no structures.

5.5 EXTERIOR OBSERVATIONS

The following exterior conditions at the Subject Property were specifically assessed for their potential to indicate RECs.

5.5.1 Pits, Ponds, Lagoons, and Surface Waters

CEC did not identify pits, ponds, lagoons or surface waters within the Subject Property boundaries.

5.5.2 Stained Surfaces and Distressed Vegetation

CEC did not encounter visual evidence of stressed vegetation or stains on soil or pavement at the Subject Property. Minor staining was observed at the vacant lot located west of 29th Avenue.

5.5.3 Solid Waste

CEC did not observe obvious visual evidence indicating filling or dumping of trash, construction debris, or demolition debris on the Subject Property. Trash and debris were observed at scattered locations across the Subject Property. The trash and debris appeared to be most prevalent along the east property boundary adjacent to I-17 and along the west property boundary adjacent to 29th Avenue. A concentration of food and beverage containers and blankets near the center of the Subject Property was also observed.

5.5.4 Waste Water

CEC did not observe obvious surficial evidence indicating the current or historical presence of septic systems, cesspools, or wastewater discharges on or adjacent to the Subject Property.

5.5.5 Storm Water

CEC did not observe the presence of stormwater conveyance or drainage infrastructure. Stormwater at the Subject Property is expected to flow along topographic relief towards the southwest.

5.5.6 Wells

Surficial evidence of water supply wells, dry wells, or other wells was not observed at the Subject Property by CEC.

5.6 ADJACENT PROPERTY OBSERVATIONS

To the extent that they were visibly and/or physically observable, CEC viewed each adjacent property from the Subject Property and adjacent public areas to evaluate the apparent land use for the potential to indicate RECs in connection with the Subject Property. CEC's observations are summarized as follows:

- **North:** Happy Valley Road and vacant land beyond.
- **East:** I-17 and retail shopping and restaurants beyond.
- **South:** The City of Phoenix's Happy Valley Road and I-17 Park and Ride facility.
- **West:** 29th Avenue, with a vacant lot and closed landfill (SCLF) beyond.

A Site Topographic Map and Site Aerial Map are attached as Figure 1 and Figure 2, respectively. Photographs are attached as Appendix B.

6.0 INTERVIEWS

CEC interviewed an individual familiar with the Subject Property, as identified to us, and/or government officials in order to evaluate historical uses and identify potential RECs. The individuals interviewed were asked to provide responses in good faith and to the best of their knowledge. The following sections identify the individuals interviewed and summarize the information each provided; however, additional information provided by these individuals may be presented in other sections of this report.

6.1 CURRENT OWNER

The Subject Property is owned by ASLD. Interview details with a representative at ASLD is provided below in Section 6.4.

6.2 CURRENT MANAGER

Mr. Sparks, interviewed in Section 6.4, also manages the Subject Property.

6.3 CURRENT OCCUPANTS

The Site is undeveloped land with no occupants.

6.4 GOVERNMENT OFFICIALS

CEC interviewed Bryan Sparks, Land Disposition Project Leader with ASLD, on March 1, 2023, via email. Mr. Sparks indicated that the property has never been developed. Mr. Sparks is not aware of any environmental concerns at or surrounding the Subject Property. Mr. Sparks is not aware of any land use restrictions, environmental liens or legal proceedings involving the Subject Property. A copy of the Dedication Application is included in Appendix E.

6.5 OTHER INTERVIEWS

No other parties were interviewed as part of this Phase I ESA.

7.0 EVALUATION

7.1 FINDINGS

Based upon the information gathered as part of this Phase I ESA, the following is a summary of CEC's findings:

- The approximately 8-acre Subject Property has been undeveloped since at least 1940.
- The Subject Property was not listed on selected reviewed regulatory agency database lists. Listings on the FINDS, Dry Wells, EMAP, and Enforcement databases are associated with the south adjacent Happy Valley Road and I-17 Park and Ride facility.
- The land use in the immediate vicinity of the Subject Property is primarily commercial. Residential development is present approximately 0.50 miles southeast and 0.75 miles west of the Subject Property. The west adjacent property is the closed SCLF.
- The SCLF operated as a municipal solid waste landfill serving the City of Phoenix until 2005. A UST system located south of Happy Valley Road was closed by removal on November 8, 1989. A LUST file associated with the UST system was reportedly closed by ADEQ on December 16, 1989. Post-closure GM&S activities at the SCLF suggest that groundwater at the property flows to the south-southwest away from the Subject Property.

7.2 OPINIONS

Based on the findings of this ESA, CEC offers the following opinions relative to the potential for environmental impact on the Subject Property by the conditions identified:

- Based on the lack of development, the unlikely use or storage of hazardous substances and/or petroleum products, and the lack of regulatory listings or reported releases, the current and historical uses of the Subject Property do not indicate a REC.
- Based on GM&S data collected in 2018 and 2019, its operational closure, and cross-gradient and/or downgradient location relative to the Subject Property, the SCLF on the western adjacent property does not indicate a REC.

- Based on the benign nature of the activities conducted, its regulatory status and its hydrogeologic relationship to the Subject Property, it is CEC's opinion that the south adjacent Happy Valley Road and I-17 Park and Ride facility listed in the Radius Map Report has a low potential for environmental impact to the Subject Property and does not indicate a REC in connection with the Subject Property.

7.3 SIGNIFICANT DATA GAPS

Due to its undeveloped nature and its lack of a physical address, Fire Department and Building Department Records could not be searched for the Subject Property. However, based on the quality of information obtained from several other sources, these data gaps are not considered significant.

During the course of this ESA, CEC did not identify significant data gaps in the information collected that would affect our ability to provide an opinion as to whether the ESA has identified conditions indicative of releases or threatened releases on, at, in, or to the Subject Property.

7.4 CONCLUSIONS

CEC has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 for the Subject Property. Any exception to, or deletions from, this practice are described in Sections 1.4 and 8.0 of this report. The ESA has revealed no RECs in connection with the Subject Property.

8.0 DEVIATIONS

CEC has performed this Phase I ESA in general conformance with the scope and limitations of the Standard with no identified deletions and no additions, except as described in Section 9.0.

9.0 ADDITIONAL SERVICES

MTM and ASLD did not request the performance of additional services as part of this Phase I ESA.

10.0 REFERENCES

- **Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process;** ASTM; 2013
- **CEC's Proposal for Professional Services;** February 17, 2023
- **"Union Hills, AZ" 7.5 Minute Topographic Quadrangle Map;** United States Geological Survey, 2018
- **Geological Map of Arizona;** ADEQ Geologic Survey Division, 2013
- **Hydrologic map Series Report No. 35,** Arizona Department of Water Resources, 2003
- **The EDR Radius Map Report;** Environmental Data Resources, Inc.; February 23, 2023
- **The EDR Aerial Photo Decade Package;** Environmental Data Resources, Inc., February 23, 2023; Aerial Photos from 1940, 1949, 1954, 1962, 1964, 1976 1979, 1981, 1986, 1997, 2007, 2010, 2015 and 2019
- **The EDR Historical Topographic Map Report;** Environmental Data Resources, Inc., February 23, 2023; Topographic Maps from 1957, 1964, 1952, 1971, 1973/1974, 1981, 2014 and 2018
- **The EDR Certified Sanborn® Map Report;** Environmental Data Resources, Inc., February 23, 2023
- **The EDR City Directory Abstract;** Environmental Data Resources, Inc., February 23, 2023

11.0 QUALIFICATIONS AND SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

This report was prepared by Dan Pike and reviewed by Ryan Dunning, both EPs with CEC. Their qualifications are attached as Appendix J.

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

Prepared by:



Dan Pike, P.E.
Assistant Project Manager

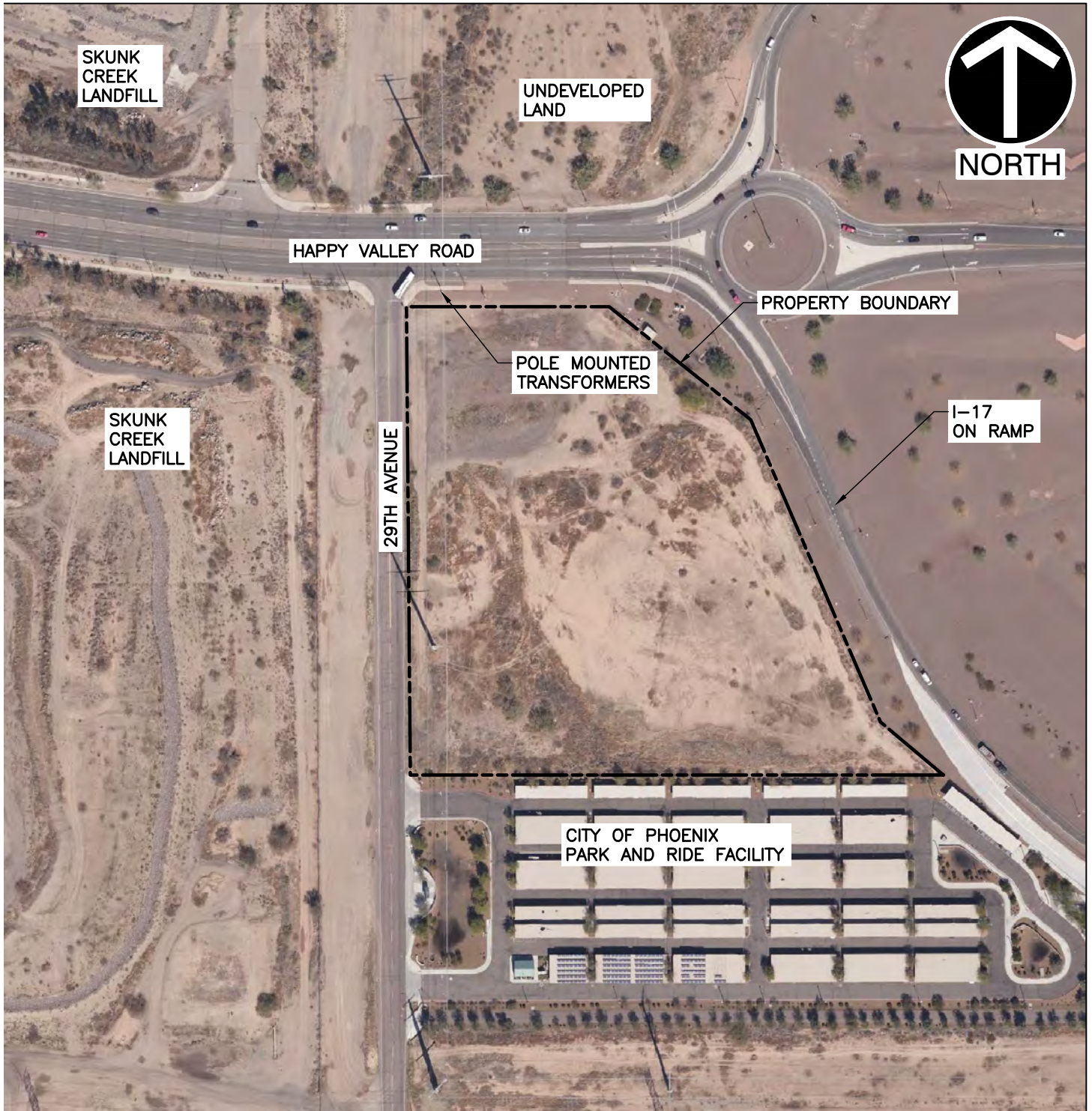
Reviewed by:



Ryan D. Dunning
Vice President

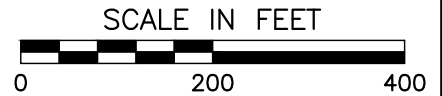
FIGURES

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REFERENCE

- 1. AERIAL PHOTOGRAPHY BY EARTHSTAR GEOGRAPHICS SIO, PROVIDED BY AUTODESK, ACCESSED 2/27/2023.



*HAND SIGNATURE ON FILE



Civil & Environmental Consultants, Inc.

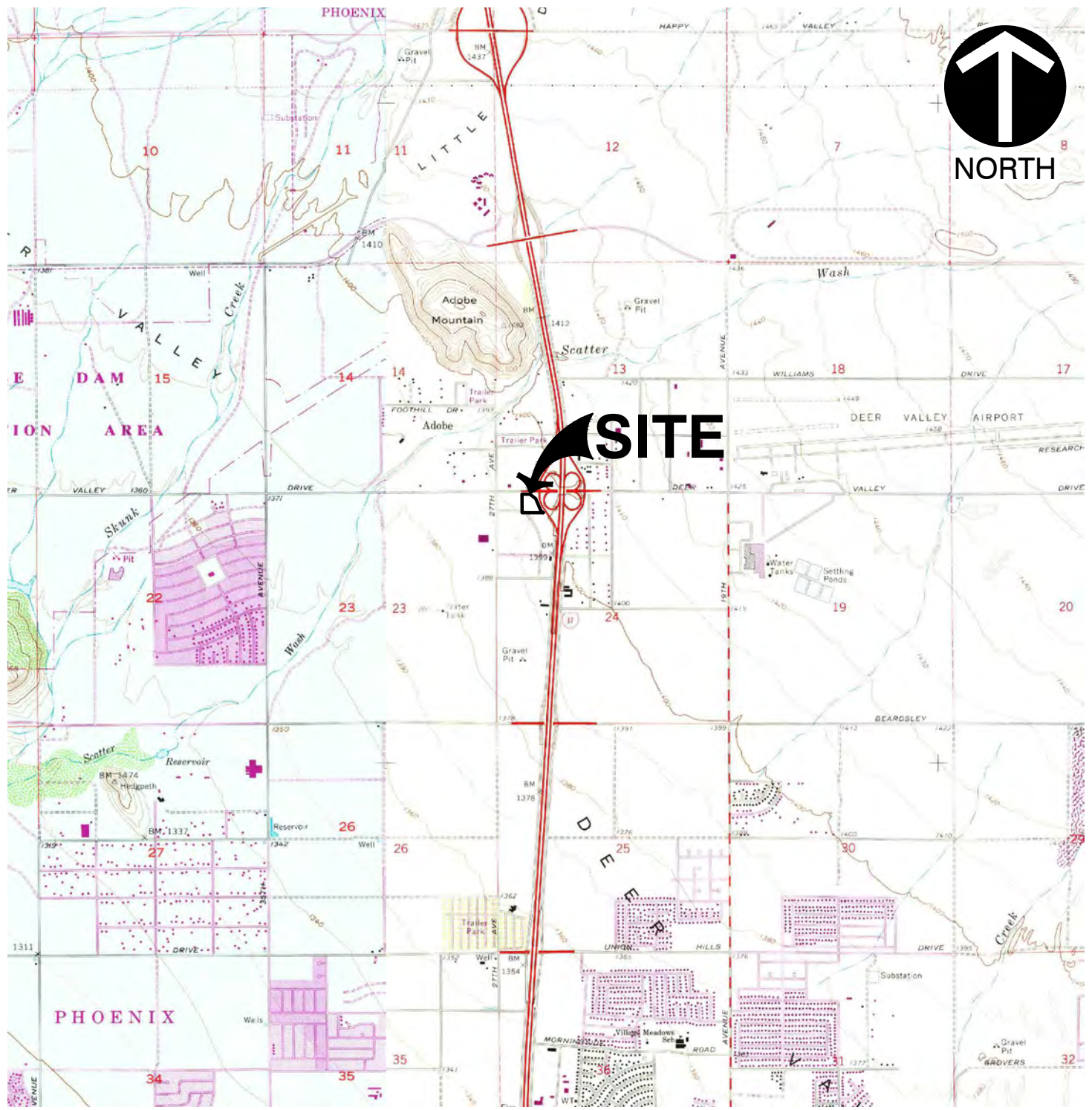
11811 N. Tatum Blvd., Suite 3057 - Phoenix, AZ 85028
 Ph: 602.760.2324 · 877.231.2324 · Fax: 602.760.2330
 www.cecinc.com

MTM DEVELOPERS, LLC
 SOUTHWEST CORNER OF HAPPY VALLEY ROAD
 AND INTERSTATE 17
 PHOENIX, ARIZONA 85085

SITE AERIAL MAP

DRAWN BY:	ARS	CHECKED BY:	DJP	APPROVED BY:	DJP	FIGURE NO.:	2
DATE:	MARCH 2023	DWG SCALE:	1"=200'	PROJECT NO:	331-143		

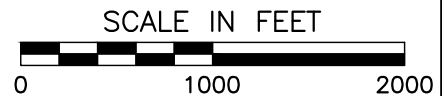
P:\330-000\331-143\CADD\DWG\EN01-Phase I ESA\331143-EN01-Site Topographic Map.dwg\LAYOUT1} LS:(2/27/2023 - ashubert) - LP: 3/9/2023 2:49 PM



SITE

REFERENCE

1. U.S.G.S. 7.5' TOPOGRAPHIC MAP, HEDGPETH HILLS QUADRANGLE, AZ DATED: 1957, PHOTO REVISED: 2018
2. U.S.G.S. 7.5' TOPOGRAPHIC MAP, UNION HILLS QUADRANGLE, AZ DATED: 1964, PHOTO REVISED: 2018



*HAND SIGNATURE ON FILE



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 AND INTERSTATE 17
 PHOENIX, ARIZONA 85085

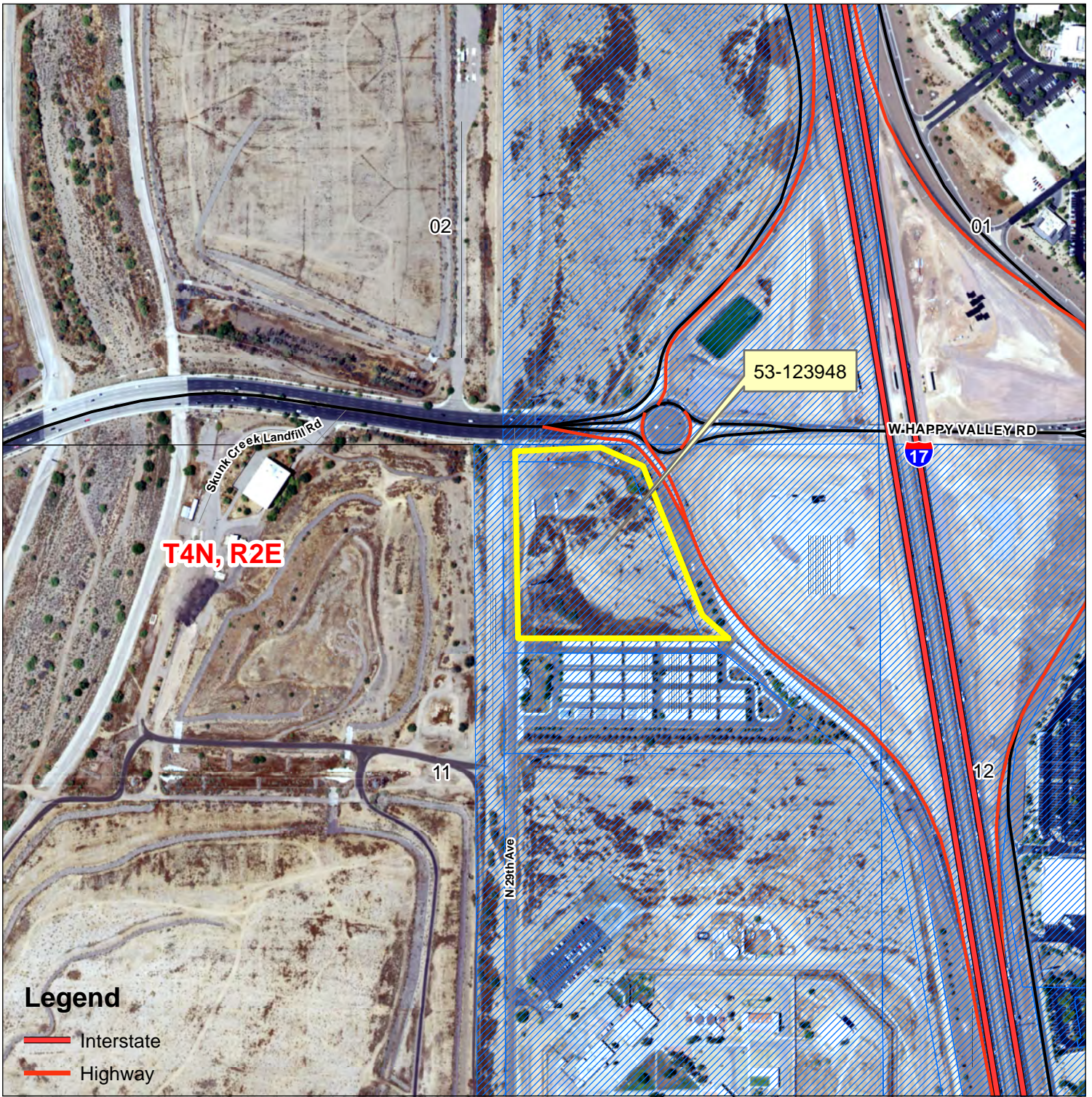
SITE TOPOGRAPHIC MAP

DRAWN BY:	ARS	CHECKED BY:	DJP	APPROVED BY:	DJP	FIGURE NO.:	1
DATE:	MARCH 2023	DWG SCALE:	1" = 1000'	PROJECT NO:	331-143		












APPENDIX A

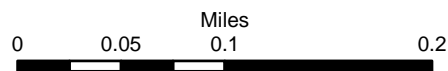
LEGAL DESCRIPTION AND ASSESSING INFORMATION

MTM Developers, LLC 53-123948



Legend

-  Interstate
-  Highway
-  Access Ramp
-  Frontage Road
-  Arterial
-  Collector
-  Residential
-  Utility Service
-  Surface Parcels
-  GCDB Township Lines
-  GCDB Section Lines



**Arizona State
Land Department**
1616 W Adams Street Phoenix, AZ 85007

The Arizona State Land Department makes no warranties, implied or expressed, with respect to the information shown on this map.

Map produced by the Arizona State Land Department | Jan. 26, 2023

C:\Users\LOCAL_...Temp\1arc5861-DF0C179AD143126304.TMP
Brian Sparks

APPENDIX B
PHOTOGRAPHS



Photo Number: 1

Direction: North

Description:

The west side of the Subject Property and 29th Avenue.



Photo Number: 2

Direction: East

Description:

Typical vegetation observed at the Subject Property.



Civil & Environmental Consultants, Inc.

Phoenix, AZ 85028

Ph: 602-760-2324 Toll Free: 877-231-2324

www.cecinc.com

~8-Acre Arizona State Land Department Property

Client Name:

MTM Developers, LLC

Project Number:

331-143

Author:

Dan Pike

Photographs Taken

February 21, 2023



Photo Number: 3

Direction: South

Description:

The southwest property boundary and south adjacent City of Phoenix Park & Ride facility.



Photo Number: 4

Direction: Southeast

Description:

The east side of the Subject Property and Interstate 17 (I-17), beyond.



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~8-Acre Arizona State Land Department Property

Client Name:

MTM Developers, LLC

Project Number:

331-143

Author:

Dan Pike

Photographs Taken

February 21, 2023



Photo Number: 5

Direction: North

Description:

Vegetation and miscellaneous debris along the east property boundary.



Photo Number: 6

Direction: East

Description:

A buried fiber optic utility marker near the northeast property boundary and an equipment compound north adjacent to the property boundary.



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~8-Acre Arizona State Land Department Property

Client Name:

MTM Developers, LLC

Project Number:

331-143

Author:

Dan Pike

Photographs Taken

February 21, 2023



Photo Number: 7

Direction: North

Description:
Miscellaneous trash and debris.



Photo Number: 8

Direction: Northeast

Description:
Pole-mounted transformers at the intersection of I-17 and Happy Valley Road.



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www.cecinc.com

~8-Acre Arizona State Land Department Property

Client Name: MTM Developers, LLC
Project Number: 331-143
Author: Dan Pike
Photographs Taken February 21, 2023



Photo Number: 9

Direction: West

Description:
Vacant lot and Skunk Creek Landfill, west of 29th Avenue.



Photo Number: 10

Direction: North

Description:
Staining at the vacant lot west of 29th Avenue.



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Phoenix, AZ 85028
Ph: 602-760-2324 Toll Free: 877-231-2324
www.cecinc.com

~8-Acre Arizona State Land Department Property

Client Name: MTM Developers, LLC
Project Number: 331-143
Author: Dan Pike
Photographs Taken February 21, 2023

APPENDIX C

USER PROVIDED INFORMATION

ASTM E 1527-13
USER QUESTIONNAIRE

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 (the "Brownfields Amendments"), the user must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The user should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete.

(1) Environmental liens that are filed or recorded against the property (40 CFR 312.25).

Did a search of recorded land title records (or judicial records where appropriate¹) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?

NOT TO MY KNOWLEDGE (NTMK)

(2) Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and (vi)).

Did a search of recorded land title records (or judicial records where appropriate¹) 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?

NTMK

(3) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

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?

THE PRICE HAS NOT BEEN ESTABLISHED. AN APPRAISAL, APPROVED BY ASCD WILL ESTABLISH A MINIMUM PRICE.

(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 or once were present at the property? NO

THEN AN AUCTION WILL BE HELD

1: In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

- c. Do you know of spills or other chemical 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 or 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, NOT TO MY KNOWLEDGE*

The ASTM International, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E 1527-13 (the "Standard") also requires that the following be asked of the "user."

Questions about Helpful Documents: Do you know whether any of the following documents exist? If so, identify the title of the report, when it was prepared, and by what firm, and/or provide a copy if within reasonable time and cost constraints. Note that even partial information may be useful.

- Previous environmental site assessment reports, *NTMK*
- Environmental compliance audit reports, *NTMK*
- Environmental permits (i.e., solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits, etc.), *NTMK*
- Registrations for underground and above ground storage tanks, *NTMK*
- Registrations for underground injection systems, *NTMK*
- Safety data sheets (SDS), *NTMK*
- Community right-to-know plan (SARA Title III), *NTMK*
- Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans; facility response plans, etc., *NTMK*
- Reports regarding hydrogeologic conditions on the property or surrounding area, *NTMK*
- 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, *NTMK*
- Hazardous waste generator notices or reports, *NTMK*
- Geotechnical studies, *NTMK*
- Risk assessments, and *NTMK*
- Recorded activity use limitations (AULs), *NTMK*

Proceedings Involving the Property: Do you know of:

- any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property: **NTMK**
- any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property; and **NTMK**
- any notices from any governmental entity regarding any possible violation of environmental laws, environmental liens, or possible liability relating to hazardous substances or petroleum products. **NTMK**

What is your intended use for the property?

COMMERCIAL DEVELOPMENT

Prepared by: Ronald Newhouse (Printed Name)

Signature: [Signature]

Date: 2/20/23

Company: NTM DEVELOPERS, LLC

Property Name and Location: ~8-Acre Arizona State Land Department Property
Southwest Corner of Happy Valley Road and Interstate 17, Phoenix, AZ

CEC Project No. 331-143

Please return this questionnaire as soon as possible to CEC, Attention Ryan Dunning, via fax at 602-760-2330 or e-mail at rdunning@cecinc.com. For questions call 602-760-2324.

*Landowner Liability Protections, or LLPs, is the term used to describe the three types of potential defenses to Superfund liability in EPA's *Enforcement Discretion Guidance Regarding Statutory Criteria for Those Who May Qualify as CERCLA Bona Fide Prospective Purchasers, Contiguous Property Owners, or Innocent Landowners* ("Common Elements"); issued July 29, 2019.

APPENDIX D

EDR RADIUS MAP REPORT

Vacant Property

24725 N 29th Ave
Phoenix, AZ 85083

Inquiry Number: 7261508.2s
February 23, 2023

The EDR Radius Map™ Report with GeoCheck®



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

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Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-13
Physical Setting Source Map Findings	A-15
Physical Setting Source Records Searched	PSGR-1

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

24725 N 29TH AVE
PHOENIX, AZ 85083

COORDINATES

Latitude (North): 33.7108610 - 33° 42' 39.09"
Longitude (West): 112.1206750 - 112° 7' 14.43"
Universal Transverse Mercator: Zone 12
UTM X (Meters): 396153.9
UTM Y (Meters): 3730467.8
Elevation: 1437 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 11823597 UNION HILLS, AZ
Version Date: 2018

Southwest Map: 11823551 HEDGPETH HILLS, AZ
Version Date: 2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150529
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 24725 N 29TH AVE
 PHOENIX, AZ 85083

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	HAPPYVALLEY/I17 PARK	24725 N 29TH PL	FINDS		TP
A2	HAPPYVALLEY/I17 PARK	24725 N 29TH PL	Dry Wells, EMAP, Enforcement		TP
3	SKUNK CREEK LANDFILL	3165 W HAPPY VALLEY	SWF/LF, SPILLS, EMAP	Lower	1900, 0.360, WNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
HAPPYVALLEY/I17 PARK 24725 N 29TH PL PHOENIX, AZ 85024	FINDS Registry ID:: 110042200427	N/A
HAPPYVALLEY/I17 PARK 24725 N 29TH PL PHOENIX, AZ 85024	Dry Wells EMAP Facility Status: ACTIVE ID Number: 139946 Enforcement	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

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

EXECUTIVE SUMMARY

Lists of Federal RCRA generators

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

AZ NPL..... NPL Detail Listing
AZ WQARF..... Water Quality Assurance Revolving Fund Sites

Lists of state- and tribal hazardous waste facilities

SPL..... Superfund Program List
SHWS..... ZipAcids List

Lists of state and tribal leaking storage tanks

LUST..... Leaking Underground Storage Tank Listing
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
UST..... Underground Storage Tank Listing
AST..... List of Aboveground Storage Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

AZURITE..... Remediation and DEUR/VEMUR Tracking System
AUL..... DEUR Database

Lists of state and tribal voluntary cleanup sites

VCP..... Voluntary Remediation Program Sites
INDIAN VCP..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields Tracking System

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE..... Solid Waste Tire Facilities
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
CDL..... Clandestine Drug Labs
US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Hazardous Material Logbook
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program

EXECUTIVE SUMMARY

UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
UXO.....	Unexploded Ordnance Sites
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
PFAS NPL.....	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES.....	Federal Sites PFAS Information
PFAS TSCA.....	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST.....	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR.....	PFAS Contamination Site Location Listing
PFAS WQP.....	Ambient Environmental Sampling for PFAS
PFAS NPDES.....	Clean Water Act Discharge Monitoring Information
PFAS ECHO.....	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING.....	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT.....	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC.....	Aqueous Foam Related Incidents Listing
PFAS.....	PFAS Contamination Site Listing
AQUEOUS FOAM.....	Aqueous Film Forming Foam Listing
AIRS.....	Arizona Airs Database
Aquifer.....	Aquifer Protection Permits List
AZ DOD.....	Department of Defense Sites
DRYCLEANERS.....	Drycleaner Facility Listing
Financial Assurance.....	Financial Assurance Information Listing
MANIFEST.....	Facility and Manifest Data
SPDES.....	NPDES
VAPOR.....	Vapor Intrusion
UIC.....	Underground Injection Control Wells
WWFAC.....	Waste Water Treatment Facilities
MINES MRDS.....	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

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

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental Quality's Municipal Solid Waste Landfills.../Closed Solid Waste Landfills...database.

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

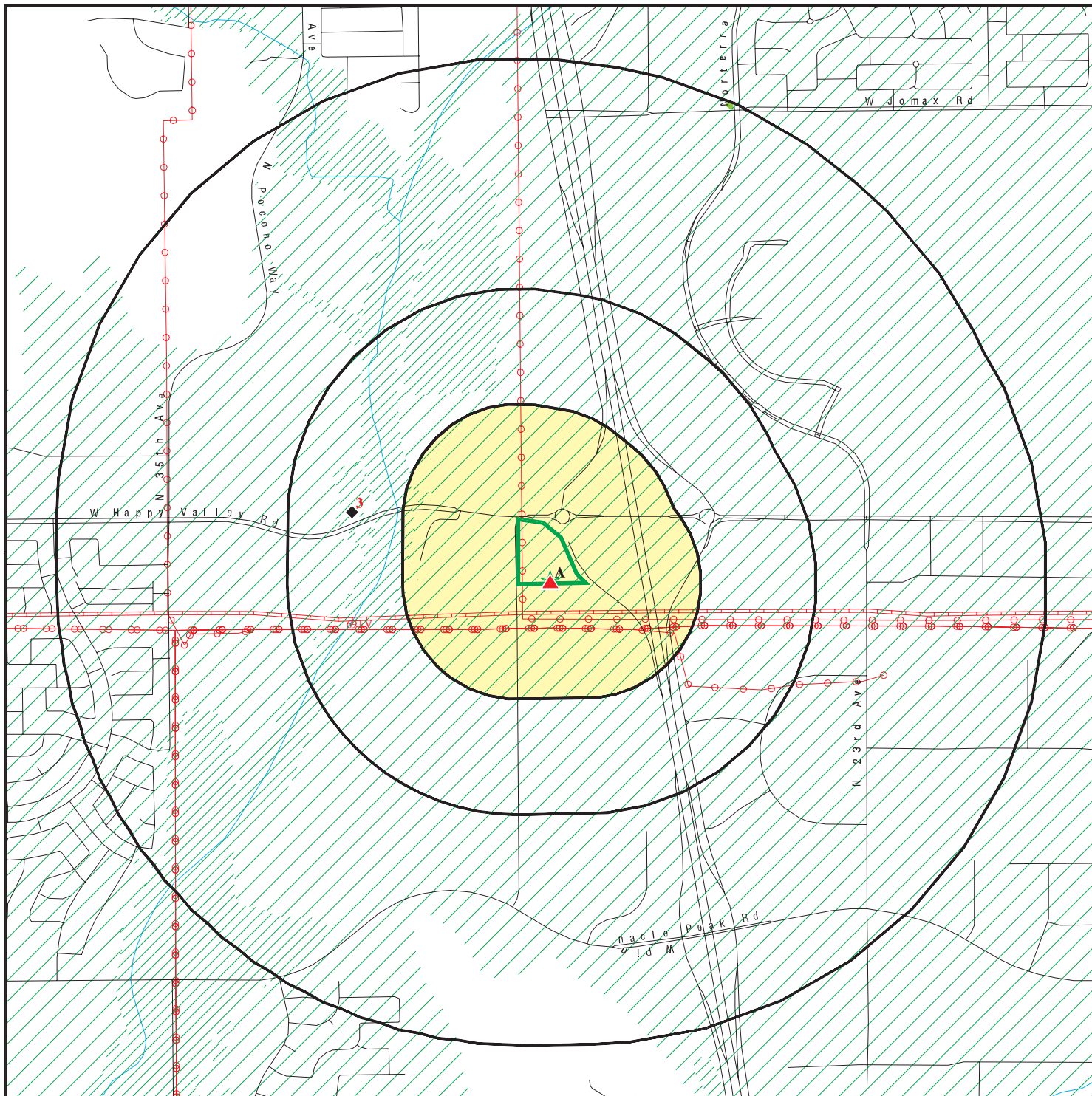
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SKUNK CREEK LANDFILL</i>	<i>3165 W HAPPY VALLEY</i>	<i>WNW 1/4 - 1/2 (0.360 mi.)</i>	<i>3</i>	<i>10</i>

Database: SWF/LF, Date of Government Version: 09/12/2022
Facility Status: ACTIVE

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 7261508.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

DOD Sites: AZ DEQ

Water Quality Assurance Revolving Fund Areas

AZ NPL

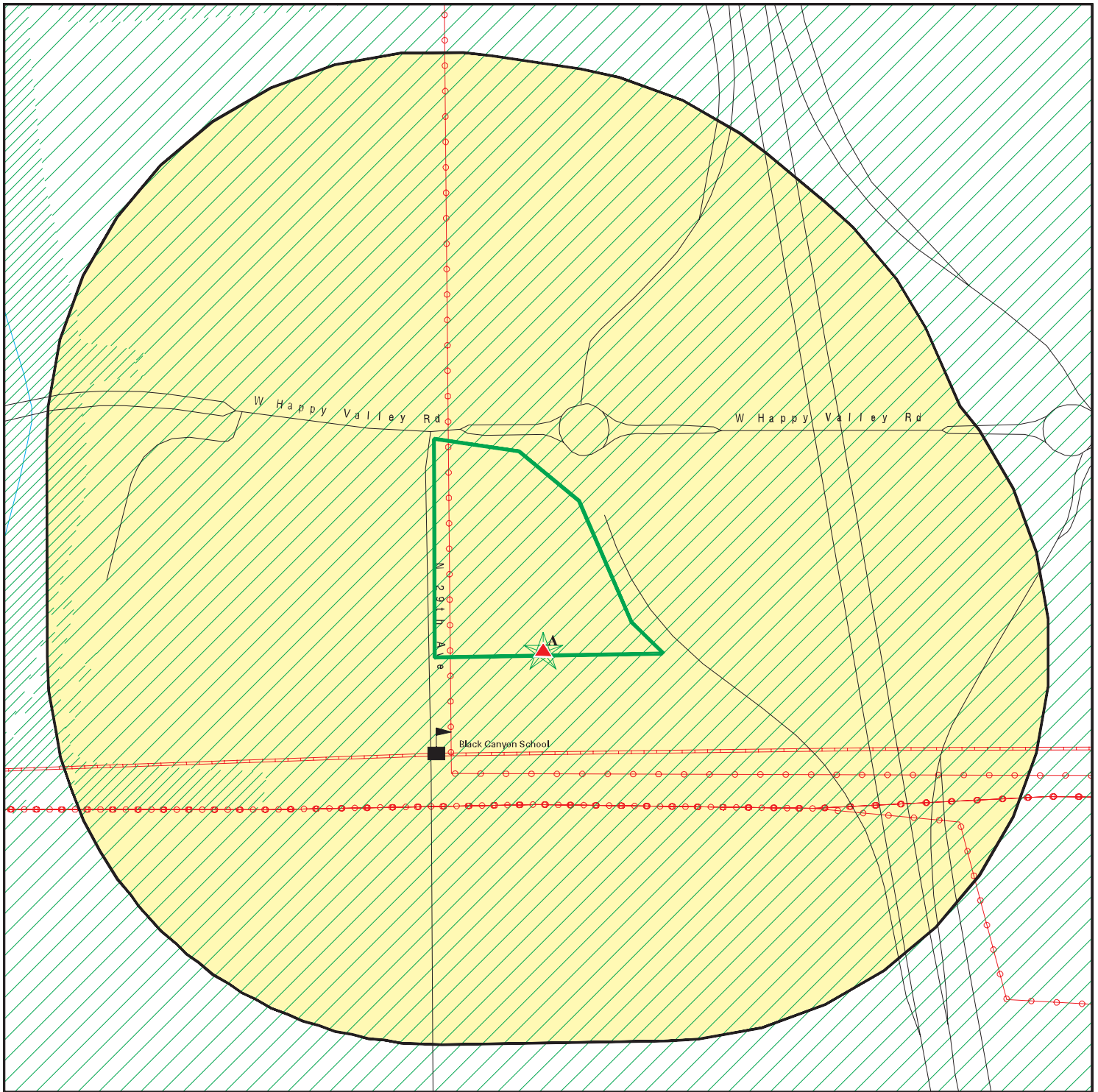


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Vacant Property
 ADDRESS: 24725 N 29th Ave
 Phoenix AZ 85083
 LAT/LONG: 33.710861 / 112.120675

CLIENT: Civil & Env Consultants
 CONTACT: Dan Pike
 INQUIRY #: 7261508.2s
 DATE: February 23, 2023 11:40 am

DETAIL MAP - 7261508.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites



Indian Reservations BIA

Power transmission lines

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

DOD Sites: AZ DEQ

Water Quality Assurance Revolving Fund Areas

AZ NPL



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

SITE NAME: Vacant Property
 ADDRESS: 24725 N 29th Ave
 Phoenix AZ 85083
 LAT/LONG: 33.710861 / 112.120675

CLIENT: Civil & Env Consultants
 CONTACT: Dan Pike
 INQUIRY #: 7261508.2s
 DATE: February 23, 2023 11:43 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>Lists of state- and tribal (Superfund) equivalent sites</i>								
AZ NPL	1.000		0	0	0	0	NR	0
AZ WQARF	1.000		0	0	0	0	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
SPL	1.000		0	0	0	0	NR	0
SHWS	1.000		0	0	0	0	NR	0
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	0.500		0	0	1	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<i>Lists of state and tribal leaking storage tanks</i>								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
AZURITE	0.500		0	0	0	NR	NR	0
AUL	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal voluntary cleanup sites</i>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
<i>Other Ascertainable Records</i>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
Aquifer	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AZ DOD	0.500		0	0	0	NR	NR	0
Dry Wells	TP	1	NR	NR	NR	NR	NR	1
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMAP	TP	1	NR	NR	NR	NR	NR	1
Enforcement	TP	1	NR	NR	NR	NR	NR	1
Financial Assurance	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
SPDES	TP		NR	NR	NR	NR	NR	0
VAPOR	0.500		0	0	0	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WWFAC	0.500		0	0	0	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

- Totals --		4	0	0	1	0	0	5
-------------	--	---	---	---	---	---	---	---

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1 HAPPYVALLEY/I17 PARK & RIDE
Target 24725 N 29TH PL
Property PHOENIX, AZ 85024

FINDS 1014669042
N/A

Site 1 of 2 in cluster A

Actual: FINDS:
1437 ft. Registry ID: 110042200427

[Click Here for FRS Facility Detail Report:](#)

Environmental Interest/Information System:

AZURITE (Arizona Unified Repository For Informational Tracking Of The Environment is the Arizona Department of Environmental Quality (ADEQ) database that is used for environmental enforcement and compliance reporting to the Permit and Compliance (PCS) system and to the Air Facility System Universal Interface (AFS-UI).

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A2 HAPPYVALLEY/I17 PARK & RIDE
Target 24725 N 29TH PL
Property PHOENIX, AZ 85024

Dry Wells S117038511
EMAP N/A
Enforcement

Site 2 of 2 in cluster A

Actual: DRY WELLS:
1437 ft. Name: HAPPY VALLEY PARK N RIDE
Address: 24725 N. 29TH AVE
City,State,Zip: PHOENIX, AZ 85083
Drywell Number: 4
Drywell Status: A
Drywell Status Change: Not reported
Other Drywell Status: Not reported
Facility Phone: Not reported
Registration Number: 50650
County Code: 07
Business Code: 10
Reg Thru Number: 50653
Fee: 400.00
Owner Contact Name: Not reported
Owner Id: 1
Prop Owner Name: CITY OF PHOENIX PUBLIC TRANSIT DEPT
Prop Owner Address: 302 N. 1ST AVE #900
Prop Owner City/State/Zip: 85003
Prop Owner Phone: Not reported
Contact Person Name: JOE BOWAR
Contact Person Title: SAME
Contact Person Address: Not reported
Contact Person City/State/Zip: Not reported
Contact Person Phone: 602-354-8383
Township: 4N
Range: 2E
Section1: 11
Quarter Section: Not reported
DW Penetrate Groundwater: Not reported
Site Plan Sent: Not reported
Entry Date: 07/08/2014
Other Business: Not reported
Section2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HAPPYVALLEY/I17 PARK & RIDE (Continued)

S117038511

Section3: Not reported
Proj Officer: 121
In Compliance Letter: 07/08/2014
Request Date: Not reported
Incomplete Submittal: Not reported
App Det App: Not reported
App Required: Not reported
Future App Required: Not reported
Mgmt Practice Plan: Not reported
Drillers Log: Not reported
Additional Fee: Not reported
Request 2 For Info: Not reported
Refer To Compliance: Not reported
App Date: Not reported
Reg Received Date: 2014-07-08 00:00:00
Permitting Notification: Not reported
Registration Number 1: 50650
Registration Key: 50650
Driveway: Yes
Rooftop: Not reported
Street: Yes

EMAP:

Name: HAPPYVALLEY/I17 PARK & RIDE
Address: 24725 N 29TH PL
City,State,Zip: PHOENIX, AZ 85024
ID Number: 139946
Township: Not reported
Range: Not reported
Section: Not reported
Quarter 1: Not reported
Quarter 2: Not reported
Quarter 3: Not reported
Latitude: 33.7108255
Longitude: -112.1215736
Collection Method: DIGITAL IMAGERY
Place Type: PARKING LOT OR GARAGE
Place Type Code: PRKG
Place C Code: PP
Facility Status: ACTIVE
End Date: Not reported
Verified: Y

ENF:

Facility ID: 139946
Name: HAPPYVALLEY/I17 PARK & RIDE
Address: 24725 N 29TH PL
City,State,Zip: PHOENIX, AZ 85024
Case ID: 121582
Facility Type: PARKING LOT OR GARAGE
Notice Type: Not reported
Notice Issue Date: 10/04/2010
Order Type: Not reported
Order Issue Date: Not reported
Closed Date: 11/16/2010
Facility Status: Case Closed

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

HAPPYVALLEY/I17 PARK & RIDE (Continued)

S117038511

Env Program: AZPDES STORMWATER
 Notice Type Code: Not reported

3
WNW
1/4-1/2
0.360 mi.
1900 ft.

SKUNK CREEK LANDFILL
3165 W HAPPY VALLEY RD
PHOENIX, AZ 85083

SWF/LF **S104559681**
SPILLS **N/A**
EMAP

Relative:
Lower

SWF/LF:
 Name: SKUNK CREEK LANDFILL
 Address: 3165 W HAPPY VALLEY RD
 City,State,Zip: PHOENIX, AZ 85083
 Facility Status: ACTIVE
 Facility Type: Municipal
 Operator: Not reported
 Operator Address: Not reported
 Owner: Not reported
 ID Number: 1,172.00
 Range: 2E
 Township: 4N
 Section: 2
 Q1: NE
 Q2: NW
 Q3: NE
 Latitude: 33.71
 Longitude: 112.12
 Collection: LOCATED FROM COUNTY PARCEL INFORMATION
 Place Type: MUNICIPAL SOLID WASTE LANDFILL
 Code: LDF
 PLACC Code: PP
 Status: ACTIVE
 End Date: Not reported
 Verified: Y
 Generated: Not reported
 PLC ID: Not reported
 PLC Name: Not reported
 PLC Address: Not reported
 PLC City State Zip: Not reported
 PLC County: Not reported
 CUS ID: Not reported
 Contact : Not reported

Actual:
1430 ft.

SPILLS:
 Incident Date: 03/13/97
 Property Mngmt: Private
 Chemicals: Perchloroethylene
 Response Date: N/A
 Type: Release
 Referred to: SWS
 Fund Amount: Pvt/Unk
 Quantity: 2-3 gals.
 Incident Number: 97-017-C
 Referral Date: 3/13/1997
 Structure: Drums
 Date Report: 03/13/97

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SKUNK CREEK LANDFILL (Continued)

S104559681

EMAP:

Name: SKUNK CREEK LANDFILL
Address: 3165 W HAPPY VALLEY RD
City,State,Zip: PHOENIX, AZ 85083
ID Number: 1172
Township: 4N
Range: 2E
Section: 2
Quarter 1: NE
Quarter 2: NE
Quarter 3: NW
Latitude: 33.7112861
Longitude: -112.1246889
Collection Method: LOCATED FROM COUNTY PARCEL INFORMATION
Place Type: MUNICIPAL SOLID WASTE LANDFILL
Place Type Code: LDF
Place C Code: PP
Facility Status: ACTIVE
End Date: Not reported
Verified: Y

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NO SITES FOUND					

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

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

Date of Government Version: 10/27/2022	Source: EPA
Date Data Arrived at EDR: 11/01/2022	Telephone: N/A
Date Made Active in Reports: 11/15/2022	Last EDR Contact: 02/03/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/10/2023
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 10/27/2022	Source: EPA
Date Data Arrived at EDR: 11/01/2022	Telephone: N/A
Date Made Active in Reports: 11/15/2022	Last EDR Contact: 02/02/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/10/2023
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 08/25/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/27/2022	Source: EPA
Date Data Arrived at EDR: 11/01/2022	Telephone: 800-424-9346
Date Made Active in Reports: 11/15/2022	Last EDR Contact: 02/02/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/24/2023
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 11/21/2022	Source: EPA
Date Data Arrived at EDR: 11/21/2022	Telephone: 800-424-9346
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 12/21/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/03/2023
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 11/21/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 12/21/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/03/2023
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 11/21/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 12/21/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/03/2023
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 11/21/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 12/21/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/03/2023
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

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

Date of Government Version: 11/21/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 12/21/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/03/2023
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 11/02/2022	Source: Department of the Navy
Date Data Arrived at EDR: 11/08/2022	Telephone: 843-820-7326
Date Made Active in Reports: 01/10/2023	Last EDR Contact: 02/03/2023
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/22/2023
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 10/27/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/16/2022	Telephone: 703-603-0695
Date Made Active in Reports: 02/09/2023	Last EDR Contact: 02/21/2023
Number of Days to Update: 85	Next Scheduled EDR Contact: 06/05/2023
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 10/27/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/16/2022	Telephone: 703-603-0695
Date Made Active in Reports: 02/09/2023	Last EDR Contact: 02/21/2023
Number of Days to Update: 85	Next Scheduled EDR Contact: 06/05/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/12/2022	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 12/14/2022	Telephone: 202-267-2180
Date Made Active in Reports: 12/19/2022	Last EDR Contact: 12/14/2022
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/03/2023
	Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

AZ NPL: NPL Detail Listing

Detailed site information for NPL sites from the Arizona Department of Environmental Quality.

Date of Government Version: 12/31/2021	Source: Department of Environmental Quality
Date Data Arrived at EDR: 03/15/2022	Telephone: 602-771-4609
Date Made Active in Reports: 06/08/2022	Last EDR Contact: 02/06/2023
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/29/2023
	Data Release Frequency: Varies

WQARF: Water Quality Assurance Revolving Fund Sites

Sites which may have an actual or potential impact upon the waters of the state, cause by hazardous substances. The WQARF program provides matching funds to political subdivisions and other state agencies for clean-up activities.

Date of Government Version: 12/31/2021	Source: Department of Environmental Quality
Date Data Arrived at EDR: 03/11/2022	Telephone: 602-771-4360
Date Made Active in Reports: 06/08/2022	Last EDR Contact: 02/09/2023
Number of Days to Update: 89	Next Scheduled EDR Contact: 05/29/2023
	Data Release Frequency: Annually

Lists of state- and tribal hazardous waste facilities

SPL: Superfund Program List

The list is representative of the sites and potential sites within the jurisdiction of the Superfund Program Section. It is comprised of the following elements: 1) Water Quality Assurance Revolving Fund Registry Sites; 2) Potential WQARF Registry sites; 3) NPL sites; and 4) Department of Defense sites requiring SPS oversight.

Date of Government Version: 08/25/2004	Source: Department of Environmental Quality
Date Data Arrived at EDR: 04/04/2018	Telephone: 602-771-4360
Date Made Active in Reports: 05/17/2018	Last EDR Contact: 01/20/2023
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/08/2023
	Data Release Frequency: No Update Planned

SHWS: ZipAcids List

The ACIDS list consists of more than 750 locations subject to investigation under the State Water Quality Assurance Revolving Fund (WQARF) and Federal CERCLA programs. The list is no longer updated by the state.

Date of Government Version: 01/03/2000	Source: Department of Environmental Quality
Date Data Arrived at EDR: 04/11/2000	Telephone: 602-771-4360
Date Made Active in Reports: 05/16/2000	Last EDR Contact: 12/06/2022
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/27/2023
	Data Release Frequency: No Update Planned

Lists of state and tribal landfills and solid waste disposal facilities

TUCSON LF: City of Tucson Landfills Listing

Location and area of landfills owned by the City of Tucson.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/11/2022
Date Data Arrived at EDR: 07/13/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 125

Source: Tucson Department of Environmental and General Services
Telephone: 520-791-3171
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

SWF/LF: Directory of Solid Waste Facilities

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

Date of Government Version: 09/12/2022
Date Data Arrived at EDR: 10/03/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 45

Source: Department of Environmental Quality
Telephone: 602-771-2300
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank Listing

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

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/06/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 76

Source: Department of Environmental Quality
Telephone: 602-771-4345
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

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

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

UST: Underground Storage Tank Listing

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

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/06/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 76

Source: Department of Environmental Quality
Telephone: 602-771-4345
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST: List of Aboveground Storage Tanks

Aboveground storage tanks that the Dept. of Building & Fire Safety have permitted.

Date of Government Version: 12/05/2019
Date Data Arrived at EDR: 12/06/2019
Date Made Active in Reports: 01/31/2020
Number of Days to Update: 56

Source: Department of Building & Fire Safety
Telephone: 602-364-1003
Last EDR Contact: 11/30/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: No Update Planned

AST 2: Aboveground Storage Tank Listing

A listing of aboveground storage tank site locations.

Date of Government Version: 11/15/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/17/2023
Number of Days to Update: 77

Source: Department of Environmental Quality
Telephone: 602-771-4380
Last EDR Contact: 11/30/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/07/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/28/2022	Source: EPA Region 6
Date Data Arrived at EDR: 06/13/2022	Telephone: 214-665-7591
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 01/17/2023
Number of Days to Update: 64	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2022	Source: EPA Region 9
Date Data Arrived at EDR: 06/13/2022	Telephone: 415-972-3368
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 01/17/2023
Number of Days to Update: 64	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/02/2022	Source: EPA Region 4
Date Data Arrived at EDR: 06/13/2022	Telephone: 404-562-9424
Date Made Active in Reports: 08/31/2022	Last EDR Contact: 01/17/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2022	Source: EPA Region 7
Date Data Arrived at EDR: 06/13/2022	Telephone: 913-551-7003
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 01/17/2023
Number of Days to Update: 64	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AZURITE: Remediation and DEUR/VEMUR Tracking System

ADEQ maintains a repository listing sites remediated under programs administered by the department.

Date of Government Version: 11/17/2022	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/21/2022	Telephone: 602-771-4397
Date Made Active in Reports: 02/08/2023	Last EDR Contact: 12/06/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 03/27/2023
	Data Release Frequency: Varies

AUL: DEUR Database

Activity and use limitations include both engineering controls and institutional controls. DEUR and VEMUR sites. DEUR: Declaration of Environmental Use Restriction. A restrictive land use covenant that is required when a property owner elects to use an institutional (i.e., administrative) control or engineering (i.e., physical) control as a means to meet remediation goals. The DEUR runs with and burdens the land, and requires maintenance of any institutional or engineering controls. VEMUR: Voluntary Environmental Mitigation Use Restriction. A restrictive land use covenant that, prior to July 18, 2000, was required when a property owner elected to remediate the property to non-residential uses. Effective July 18, 2000, the DEUR replaced the VEMUR as a restrictive use covenant.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/17/2022
Date Data Arrived at EDR: 11/17/2022
Date Made Active in Reports: 02/08/2023
Number of Days to Update: 83

Source: Department of Environmental Quality
Telephone: 602-771-4397
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Remediation Program Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 06/21/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 11/03/2022
Number of Days to Update: 84

Source: Department of Environmental Quality
Telephone: 602-771-4411
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Tracking System

Information relating to Brownfields sites in Arizona.

Date of Government Version: 09/08/2022
Date Data Arrived at EDR: 09/09/2022
Date Made Active in Reports: 12/08/2022
Number of Days to Update: 90

Source: Department of Environmental Quality
Telephone: 602-771-4401
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/07/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE: Solid Waste Tire Facilities

A waste tire "facility" means a solid waste facility at which waste tires are stored outdoors on any day.

Date of Government Version: 07/29/2022
Date Data Arrived at EDR: 11/17/2022
Date Made Active in Reports: 02/08/2023
Number of Days to Update: 83

Source: Department of Environmental Quality
Telephone: 602-771-4132
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

ODI: Open Dump Inventory

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

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

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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab seizures in Arizona.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/30/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 43

Source: Board of Technical Registration
Telephone: 602-364-4931
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

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

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/19/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 11

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

SPILLS: Hazardous Material Logbook

Chemical spills and incidents referred to the Emergency Response Unit.

Date of Government Version: 11/15/2001
Date Data Arrived at EDR: 06/28/2007
Date Made Active in Reports: 07/24/2007
Number of Days to Update: 26

Source: Department of Environmental Quality
Telephone: 602-771-4153
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/11/2001	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/11/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 11/21/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 12/21/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/03/2023
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 11/01/2022	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 11/10/2022	Telephone: 202-528-4285
Date Made Active in Reports: 02/09/2023	Last EDR Contact: 02/14/2023
Number of Days to Update: 91	Next Scheduled EDR Contact: 05/29/2023
	Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 06/07/2021	Source: USGS
Date Data Arrived at EDR: 07/13/2021	Telephone: 888-275-8747
Date Made Active in Reports: 03/09/2022	Last EDR Contact: 01/13/2023
Number of Days to Update: 239	Next Scheduled EDR Contact: 04/24/2023
	Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 01/03/2023
Number of Days to Update: 574	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/20/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/30/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/12/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 100

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/16/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 10/17/2022
Date Data Arrived at EDR: 10/18/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/18/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

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

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/27/2022	Source: EPA
Date Data Arrived at EDR: 11/01/2022	Telephone: 202-564-6023
Date Made Active in Reports: 11/15/2022	Last EDR Contact: 02/02/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 05/15/2023
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022	Source: EPA
Date Data Arrived at EDR: 01/20/2022	Telephone: 202-566-0500
Date Made Active in Reports: 03/25/2022	Last EDR Contact: 01/04/2023
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/28/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/26/2022	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 11/22/2022	Telephone: 301-415-7169
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 01/17/2023
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020	Source: Department of Energy
Date Data Arrived at EDR: 11/30/2021	Telephone: 202-586-8719
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 11/29/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 03/13/2023
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 11/23/2022
Number of Days to Update: 251	Next Scheduled EDR Contact: 03/13/2023
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 02/03/2023
Number of Days to Update: 96	Next Scheduled EDR Contact: 05/15/2023
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 12/20/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 04/10/2023
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2022
Date Data Arrived at EDR: 10/21/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/30/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/13/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 11/29/2022
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 22

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 11/17/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/22/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/13/2022
Date Data Arrived at EDR: 09/14/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 82

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 60

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/25/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/30/2022	Telephone: 202-564-2280
Date Made Active in Reports: 12/22/2022	Last EDR Contact: 01/04/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021	Source: Department of Defense
Date Data Arrived at EDR: 10/20/2022	Telephone: 703-704-1564
Date Made Active in Reports: 01/10/2023	Last EDR Contact: 01/09/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 04/24/2023
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/10/2022	Source: EPA
Date Data Arrived at EDR: 11/10/2022	Telephone: 800-385-6164
Date Made Active in Reports: 02/09/2023	Last EDR Contact: 02/14/2023
Number of Days to Update: 91	Next Scheduled EDR Contact: 05/29/2023
	Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/08/2022	Telephone: 703-603-8895
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 01/10/2023
Number of Days to Update: 123	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 02/23/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 01/05/2023
Number of Days to Update: 222	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 01/05/2023
Number of Days to Update: 222	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 01/05/2023
Number of Days to Update: 222	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020	Source: Department of Health & Human Services
Date Data Arrived at EDR: 03/17/2021	Telephone: 202-741-5770
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 01/23/2023
Number of Days to Update: 601	Next Scheduled EDR Contact: 05/08/2023
	Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 01/05/2023
Number of Days to Update: 222	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 01/05/2023
Number of Days to Update: 222	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 01/05/2023
Number of Days to Update: 222	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facility's name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 08/22/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 01/05/2023
Number of Days to Update: 222	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration's document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 08/22/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/26/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 01/05/2023
Number of Days to Update: 13	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 02/23/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 01/05/2023
Number of Days to Update: 222	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Varies

PFAS: PFAS Contamination Site Listing

Arizona's Public Water System Screening for Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS) Final Report. The purpose of the grant was to screen Public Water System (PWS) drinking water wells in Arizona potentially impacted by perfluorooctanoic acid (PFOA) and/or perfluorooctane sulfonate (PFOS) contamination.

Date of Government Version: 09/22/2021	Source: Department of Environmental Quality
Date Data Arrived at EDR: 05/03/2022	Telephone: 602-364-3118
Date Made Active in Reports: 07/20/2022	Last EDR Contact: 01/27/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/15/2023
	Data Release Frequency: Varies

AQUEOUS FOAM: Aqueous Film Forming Foam Listing

When AFFF is used, discharged or released to the environment, containment and cleanup may be required to prevent future adverse health or environmental impacts.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/14/2020
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 602-771-6145
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

AIRS: Arizona Airs Database

Arizona major (has the potential to emit over 100 tons of criteria pollutant) and minor (below 100 tons) sources.

Date of Government Version: 10/05/2022
Date Data Arrived at EDR: 10/06/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 20

Source: Department of Environmental Quality
Telephone: 602-771-2344
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Semi-Annually

AQUIFER: Aquifer Protection Permits List

Facilities with an Aquifer Protection permit (APP), that discharges 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.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/17/2022
Date Made Active in Reports: 11/23/2022
Number of Days to Update: 6

Source: Department of Environmental Quality
Telephone: 602-771-4623
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

These sites are federal facilities that are either being assessed for potential contamination, or have active remediation taking place on them.

Date of Government Version: 09/30/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 80

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Annually

DRY WELLS: Drywell Registration

A drywell 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.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 08/20/2019
Number of Days to Update: 68

Source: Department of Environmental Quality
Telephone: 602-771-4686
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Semi-Annually

DRYCLEANERS: Drycleaner Facility Listing

A listing of drycleaner facilities in Arizona.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 07/20/2020
Date Made Active in Reports: 10/07/2020
Number of Days to Update: 79

Source: Department of Environmental Quality
Telephone: 602-771-4335
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: No Update Planned

EMAP: All Places of Interest Listing

A listing of all places of interest to the Department of Environmental Quality, including air, waste and water sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/08/2022
Date Data Arrived at EDR: 09/13/2022
Date Made Active in Reports: 11/28/2022
Number of Days to Update: 76

Source: Department of Environmental Quality
Telephone: 602-771-4380
Last EDR Contact: 11/23/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

ENF: Enforcement and Violation Listing

A listing of enforcement and violation cases in the state of Arizona.

Date of Government Version: 10/25/2022
Date Data Arrived at EDR: 10/26/2022
Date Made Active in Reports: 11/10/2022
Number of Days to Update: 15

Source: Department of Environmental Quality
Telephone: 602-771-4424
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information for ust sites.

Date of Government Version: 09/30/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 21

Source: Department of Environmental Quality
Telephone: 602-771-4258
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

AZ MANIFEST: Manifest Information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 06/15/2021
Date Made Active in Reports: 09/09/2021
Number of Days to Update: 86

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Annually

NPDES: Notice of Intent Construction Stormwater General Permits Database

NPDES permit sites

Date of Government Version: 11/18/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 80

Source: Department of Environmental Quality
Telephone: 602-771-4424
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

VAPOR: Vapor Intrusion

A listing of vapor intrusion site locations

Date of Government Version: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 07/09/2021
Number of Days to Update: 78

Source: Department of Environmental Quality
Telephone: 602-771-4197
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

Underground injection control wells.

Date of Government Version: 09/30/2015
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 60

Source: Arizona Geological Survey
Telephone: 520-770-3500
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WWFAC: Waste Water Treatment Facilities

Statewide list of waste water treatment facilities.

Date of Government Version: 07/09/2012
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 45

Source: Department of Environmental Quality
Telephone: 602-771-4623
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arizona.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 185

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arizona.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arizona.

Date of Government Version: N/A

Date Data Arrived at EDR: 07/01/2013

Date Made Active in Reports: 01/02/2014

Number of Days to Update: 185

Source: Department of Environmental Quality

Telephone: N/A

Last EDR Contact: 06/01/2012

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/16/2022

Date Data Arrived at EDR: 11/16/2022

Date Made Active in Reports: 02/06/2023

Number of Days to Update: 82

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375

Last EDR Contact: 02/10/2023

Next Scheduled EDR Contact: 05/22/2023

Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019

Date Data Arrived at EDR: 10/29/2021

Date Made Active in Reports: 01/19/2022

Number of Days to Update: 82

Source: Department of Environmental Conservation

Telephone: 518-402-8651

Last EDR Contact: 01/27/2023

Next Scheduled EDR Contact: 05/08/2023

Data Release Frequency: Quarterly

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020

Date Data Arrived at EDR: 11/30/2021

Date Made Active in Reports: 02/18/2022

Number of Days to Update: 80

Source: Department of Environmental Management

Telephone: 401-222-2797

Last EDR Contact: 02/13/2022

Next Scheduled EDR Contact: 05/29/2023

Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018

Date Data Arrived at EDR: 06/19/2019

Date Made Active in Reports: 09/03/2019

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 12/01/2022

Next Scheduled EDR Contact: 03/20/2023

Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Daycare Centers: Child Care Facilities & Group Homes

Source: Department of Health Services

Telephone: 602-674-4220

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Riparian Vegetation Associated with Perennial Waters

Source: State Land Department

Telephone: 602-542-4094

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

VACANT PROPERTY
24725 N 29TH AVE
PHOENIX, AZ 85083

TARGET PROPERTY COORDINATES

Latitude (North):	33.710861 - 33° 42' 39.10"
Longitude (West):	112.120675 - 112° 7' 14.43"
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	396153.9
UTM Y (Meters):	3730467.8
Elevation:	1437 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	11823597 UNION HILLS, AZ
Version Date:	2018
Southwest Map:	11823551 HEDGPETH HILLS, AZ
Version Date:	2018

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

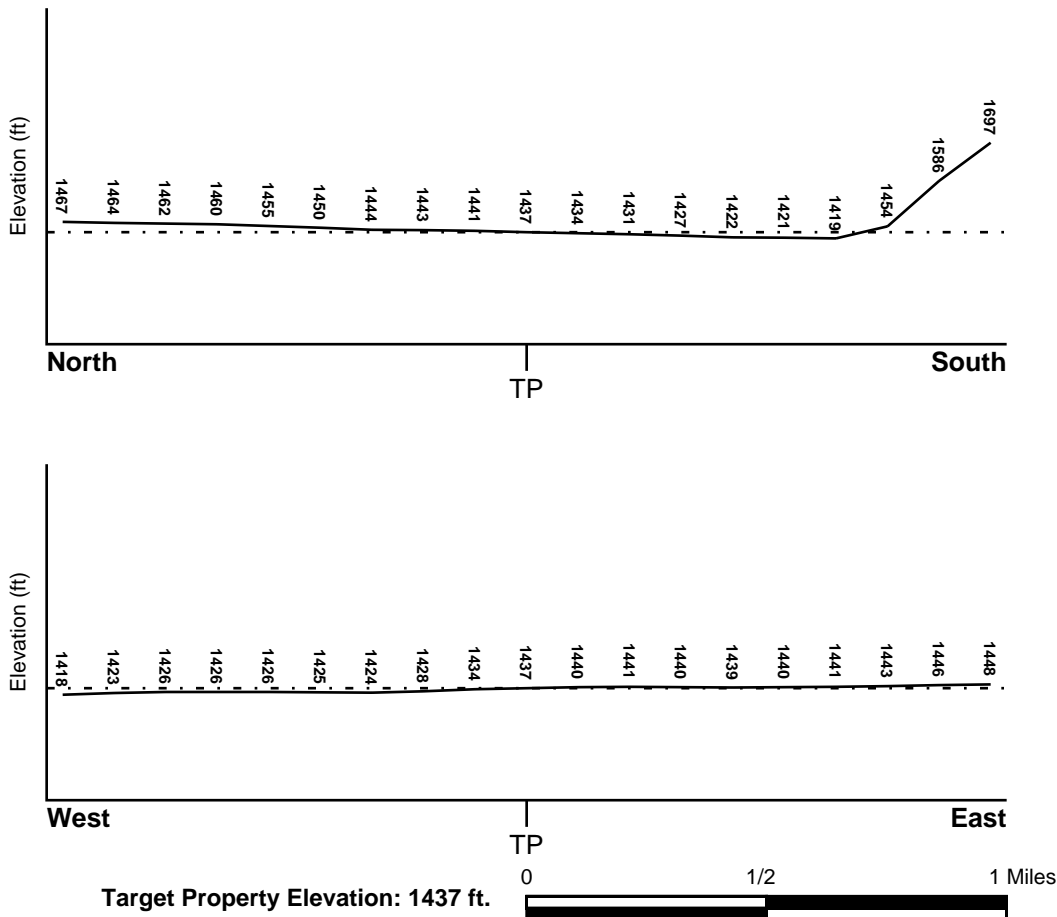
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
04013C1280L	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
04013C1260L	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

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

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
8	1/4 - 1/2 Mile WNW	SW
20	1/2 - 1 Mile South	WSW
1G	1/4 - 1/2 Mile WNW	SW
2G	1/2 - 1 Mile South	WSW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

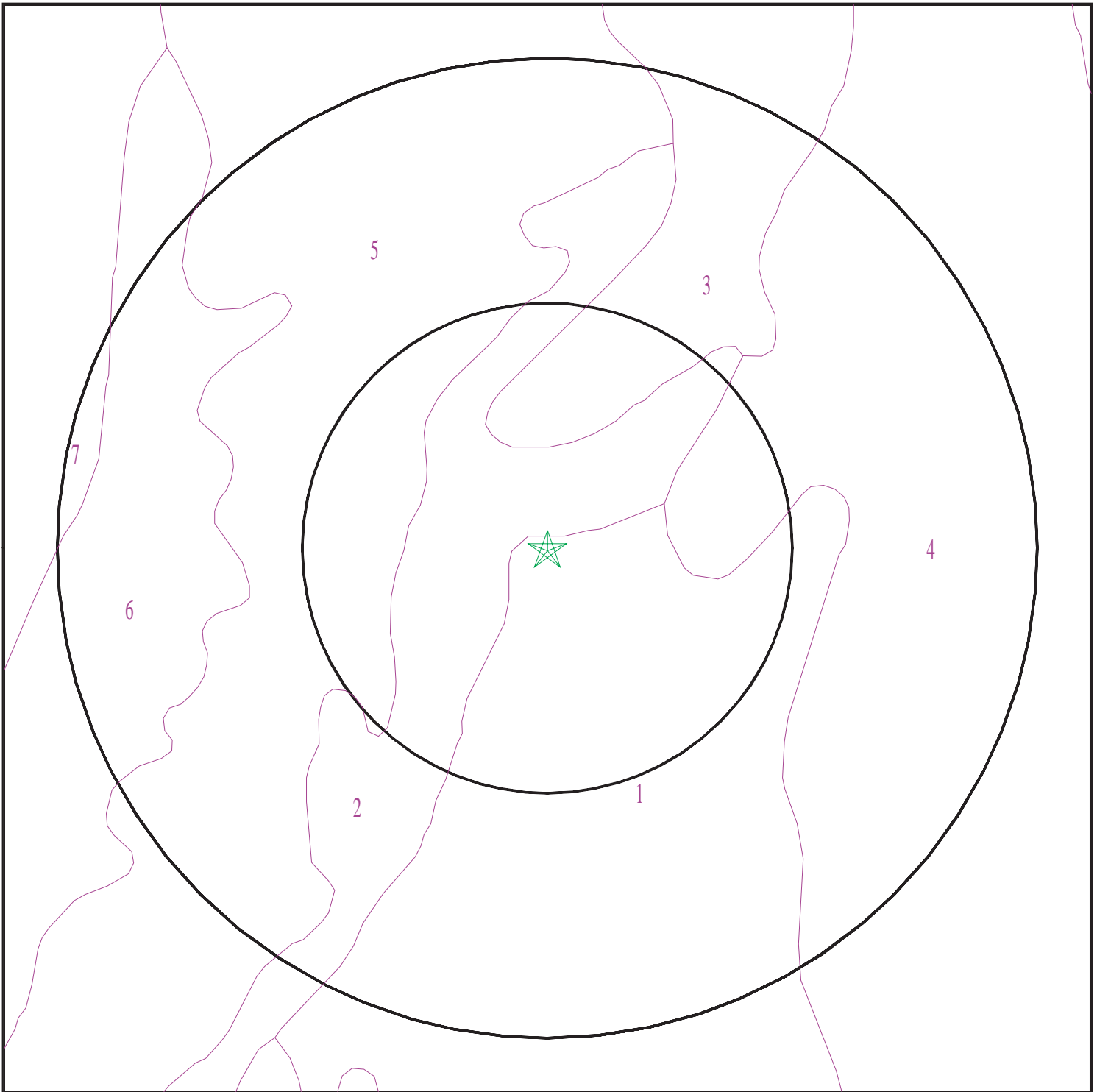
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

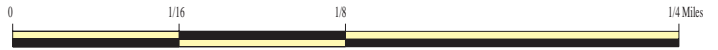
Category: Stratified Sequence

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

SSURGO SOIL MAP - 7261508.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Vacant Property
ADDRESS: 24725 N 29th Ave
Phoenix AZ 85083
LAT/LONG: 33.710861 / 112.120675

CLIENT: Civil & Env Consultants
CONTACT: Dan Pike
INQUIRY #: 7261508.2s
DATE: February 23, 2023 11:44 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: TUCSON

Soil Surface Texture: loam

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

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	14 inches	64 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: PERRYVILLE

Soil Surface Texture: gravelly loam

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

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9
2	9 inches	38 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9
3	38 inches	64 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9
4	64 inches	72 inches	very gravelly loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9

Soil Map ID: 3

Soil Component Name: TREMANT

Soil Surface Texture: clay loam

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

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	1 inches	7 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
2	7 inches	22 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
3	0 inches	1 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
4	22 inches	59 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9

Soil Map ID: 4

Soil Component Name: PINAL

Soil Surface Texture: gravelly loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
2	11 inches	59 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 5

Soil Component Name: TREMANT

Soil Surface Texture: gravelly clay loam

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

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	1 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
2	1 inches	7 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
3	7 inches	22 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
4	22 inches	59 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9

Soil Map ID: 6

Soil Component Name: GILMAN

Soil Surface Texture: loam

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

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	18 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	18 inches	37 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	37 inches	64 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 7

Soil Component Name: MARIPO

Soil Surface Texture: sandy loam

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

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	12 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.9
2	12 inches	33 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.9
3	33 inches	59 inches	gravelly sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A3	USGS40000056768	1/8 - 1/4 Mile NE
B4	USGS40000056756	1/8 - 1/4 Mile SSE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D19	USGS4000056757	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

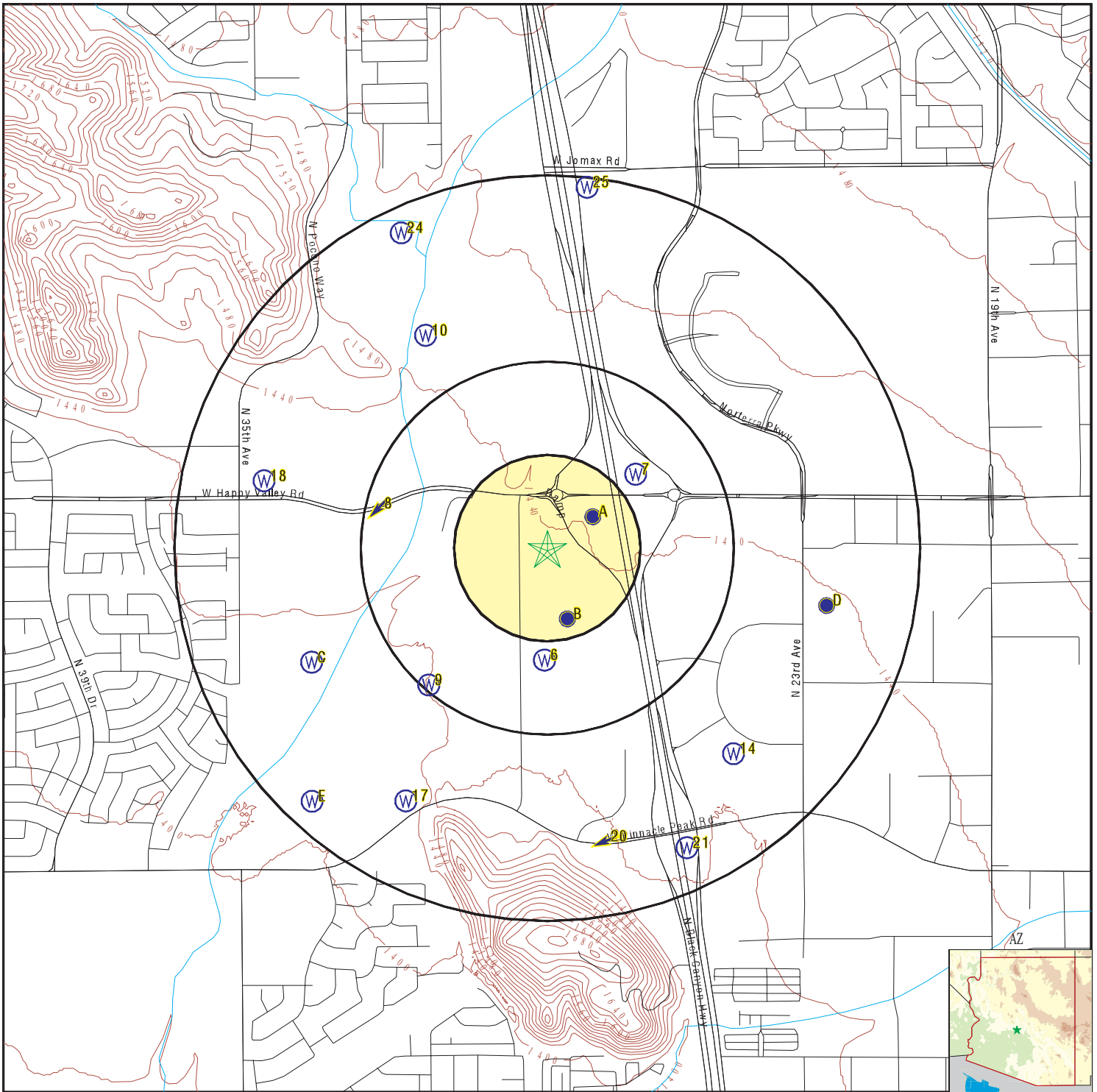
MAP ID	WELL ID	LOCATION FROM TP
D13	AZ0407285	1/2 - 1 Mile ESE

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	AZDEQ3000002148	1/8 - 1/4 Mile NE
A2	AZDWR1200186779	1/8 - 1/4 Mile NE
B5	AZDEQ3000002149	1/8 - 1/4 Mile SSE
6	AZDWR1200140904	1/4 - 1/2 Mile South
7	AZDWR1200029453	1/4 - 1/2 Mile NE
9	AZDWR1200132043	1/4 - 1/2 Mile SW
10	AZDWR1200138656	1/2 - 1 Mile NNW
C11	AZDWR1200071291	1/2 - 1 Mile WSW
C12	AZDWR1200107878	1/2 - 1 Mile WSW
14	AZDEQ3000000117	1/2 - 1 Mile SE
D15	AZDWR1200169336	1/2 - 1 Mile ESE
D16	AZDEQ3000002151	1/2 - 1 Mile ESE
17	AZDWR1200071223	1/2 - 1 Mile SSW
18	AZDWR1200071292	1/2 - 1 Mile WNW
21	AZDWR1200029452	1/2 - 1 Mile SSE
E22	AZDWR1200169341	1/2 - 1 Mile SW
E23	AZDEQ3000002150	1/2 - 1 Mile SW
24	AZDWR1200071293	1/2 - 1 Mile NNW
25	AZDWR1200189072	1/2 - 1 Mile North

PHYSICAL SETTING SOURCE MAP - 7261508.2s



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



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



SITE NAME: Vacant Property
 ADDRESS: 24725 N 29th Ave
 Phoenix AZ 85083
 LAT/LONG: 33.710861 / 112.120675

CLIENT: Civil & Env Consultants
 CONTACT: Dan Pike
 INQUIRY #: 7261508.2s
 DATE: February 23, 2023 11:44 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
NE
1/8 - 1/4 Mile
Higher

AZ WELLS AZDEQ3000002148

DWR Number:	Not Reported	DEQ Well #:	10891
Agency Well #:	10891	Start Date:	25-APR-48
End Date:	Not Reported	Station Alt Name:	A-04-02 11AAA
well Depth:	Not Reported	Drill Depth:	1201
Watershed:	MIDDLE GILA	Basin:	Phoenix AMA
Aquifer Type:	Not Reported		
Water Use:	Water Is Not Being Removed For One Of The Other Described Purposes. Ex: Test Hole, Oil Or Gas Well, Recharge, Drainage, Observation, Or Waste Disposal Wells Are In This Category.		
Well Type:	Well, For Single Wells Other Than Wells Of The Collector Or Ranney Type		

A2
NE
1/8 - 1/4 Mile
Higher

AZ WELLS AZDWR1200186779

Program:	55	Registry ID:	808077
Owner Name:	ARIZONA DEPARTMENT OF TRANSPORTATION		
Well Type:	NON-EXEMPT	Well Type Group:	NON-EXEMPT
Water Use:	INDUSTRIAL	Basin Name:	PHOENIX AMA
Driller License #:	779	Application:	11-AUG-00
Approved:	Not Reported	Installed Date:	25-APR-48
Well Depth (ft):	1201	Casing Type:	STEEL - PERFORATED OR SLOTTED CASING
Water Level (ft):	330	AMA or INA:	PHOENIX
Casing Depth (ft):	1111	Casing Diameter (in):	14
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	A	Well Cancelled:	Y
Driller Log:	Not Reported	Watershed:	AGUA FRIA RIVER

A3
NE
1/8 - 1/4 Mile
Higher

FED USGS USGS40000056768

Organization ID:	USGS-AZ	Organization Name:	USGS Arizona Water Science Center
Monitor Location:	A-04-02 11AAA	Type:	Well
Description:	Not Reported	HUC:	15070102
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19480425
Well Depth:	1201	Well Depth Units:	ft
Well Hole Depth:	1201	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	17	Level reading date:	1971-09-02
Feet below surface:	330.50	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1964-01-22	Feet below surface:	340.13

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-01-30	Feet below surface:	340.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-02-06	Feet below surface:	339.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-02-14	Feet below surface:	338.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-01-07	Feet below surface:	340.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-01-09	Feet below surface:	339.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-02-01	Feet below surface:	339.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-01-04	Feet below surface:	339.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-02-24	Feet below surface:	339.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-02-10	Feet below surface:	337.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-10-28	Feet below surface:	337.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-02-03	Feet below surface:	334.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-10-23	Feet below surface:	332.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-01-23	Feet below surface:	328.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-02-10	Feet below surface:	304.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-02-01	Feet below surface:	304.00
Feet to sea level:	Not Reported	Note:	Not Reported

B4
SSE
1/8 - 1/4 Mile
Lower

FED USGS USGS40000056756

Organization ID:	USGS-AZ	Organization Name:	USGS Arizona Water Science Center
Monitor Location:	A-04-02 11ADB	Type:	Well
Description:	Not Reported	HUC:	15070102
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19690930
Well Depth:	900	Well Depth Units:	ft
Well Hole Depth:	900	Well Hole Depth Units:	ft

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground water levels, Number of Measurements:	27	Level reading date:	2001-10-30
Feet below surface:	380.4	Feet to sea level:	Not Reported
Note:	The site was being pumped.		
Level reading date:	1999-11-02	Feet below surface:	372.2
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1998-12-09	Feet below surface:	363.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-10-23	Feet below surface:	363.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-11-07	Feet below surface:	362.4
Feet to sea level:	Not Reported	Note:	The site had been pumped recently.
Level reading date:	1995-11-21	Feet below surface:	357.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-12-07	Feet below surface:	357.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-11-17	Feet below surface:	358.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-11-18	Feet below surface:	360.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-08	Feet below surface:	362.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-21	Feet below surface:	362.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-01	Feet below surface:	362.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-07	Feet below surface:	362.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-07	Feet below surface:	365.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-22	Feet below surface:	363.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-08	Feet below surface:	363.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-12-02	Feet below surface:	363.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-06-06	Feet below surface:	367.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-12-13	Feet below surface:	364.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-06-25	Feet below surface:	369.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-11-30	Feet below surface:	363.10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-16	Feet below surface:	368.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-14	Feet below surface:	363.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-24	Feet below surface:	363.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01-24	Feet below surface:	363.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-29	Feet below surface:	366.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-08	Feet below surface:	362.6
Feet to sea level:	Not Reported	Note:	Not Reported

**B5
SSE
1/8 - 1/4 Mile
Lower**

AZ WELLS AZDEQ3000002149

DWR Number:	55-614010	DEQ Well #:	10892
Agency Well #:	10892	Start Date:	30-SEP-69
End Date:	Not Reported	Station Alt Name:	ADOC - ADOBE MTN SCHOOL
well Depth:	Not Reported	Drill Depth:	900
Watershed:	MIDDLE GILA	Basin:	Phoenix AMA
Aquifer Type:	Not Reported		
Water Use:	Water That Is Pumped And Distributed To More Than Fifteen Homes. Community Water Systems Serve Year Round Residents While Non-Community Water Systems Serve Part Time Residents For At Least 60 Days A Year.		
Well Type:	Well, For Single Wells Other Than Wells Of The Collector Or Ranney Type		

**6
South
1/4 - 1/2 Mile
Lower**

AZ WELLS AZDWR1200140904

Program:	55	Registry ID:	614010
Owner Name:	AZ STATE LAND DEPT,	Well Type:	NON-EXEMPT
Well Type Group:	NON-EXEMPT	Water Use:	DOMESTIC
Basin Name:	PHOENIX AMA	Driller License #:	0
Application:	14-JUN-82	Approved:	Not Reported
Installed Date:	01-JAN-69	Well Depth (ft):	900
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	365	AMA or INA:	PHOENIX
Casing Depth (ft):	900	Casing Diameter (in):	16
RGR Pump Data:	YES	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	302
Tested Rate:	302	Draw Down:	0
Completion:	Not Reported	Well Cancelled:	Not Reported
Driller Log:	Not Reported	Watershed:	AGUA FRIA RIVER

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

7
NE
1/4 - 1/2 Mile
Higher

AZ WELLS AZDWR1200029453

Program:	55	Registry ID:	227687
Owner Name:	TERRACON CONSULTANTS	Well Type:	SPCL - GEOTECHNICAL
Well Type Group:	OTHER	Water Use:	NO WATER USE
Basin Name:	PHOENIX AMA	Driller License #:	666
Application:	18-AUG-17	Approved:	Not Reported
Installed Date:	09-SEP-17	Well Depth (ft):	120
Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	PHOENIX	Casing Depth (ft):	0
Casing Diameter (in):	7	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	A
Well Cancelled:	Y	Driller Log:	X
Watershed:	AGUA FRIA RIVER		

8
WNW
1/4 - 1/2 Mile
Lower

AQUIFLOW 49267

Site ID:	003869
Groundwater Flow:	SW
Shallowest Water Table Depth:	Not Reported
Deepest Water Table Depth:	Not Reported
Average Water Table Depth:	Not Reported
Date:	10/29/1986

9
SW
1/4 - 1/2 Mile
Lower

AZ WELLS AZDWR1200132043

Program:	55	Registry ID:	595711
Owner Name:	PHOENIX, CITY OF	Well Type:	SPCL - GEOTECHNICAL
Well Type Group:	OTHER	Water Use:	TEST
Basin Name:	PHOENIX AMA	Driller License #:	498
Application:	28-OCT-02	Approved:	08-NOV-02
Installed Date:	Not Reported	Well Depth (ft):	85
Casing Type:	Not Reported	Water Level (ft):	20
AMA or INA:	PHOENIX	Casing Depth (ft):	0
Casing Diameter (in):	8	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	AGUA FRIA RIVER		

10
NNW
1/2 - 1 Mile
Higher

AZ WELLS AZDWR1200138656

Program:	55	Registry ID:	595709
Owner Name:	PHOENIX, CITY OF	Well Type:	SPCL - GEOTECHNICAL
Well Type Group:	OTHER	Water Use:	TEST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin Name:	PHOENIX AMA	Driller License #:	498
Application:	08-NOV-02	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	PHOENIX	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	AGUA FRIA RIVER		

C11
WSW
1/2 - 1 Mile
Lower

AZ WELLS AZDWR1200071291

Program:	55	Registry ID:	531659
Owner Name:	CITY OF PHOENIX, PUBLIC WORKS	Well Type:	ENV - MONITOR
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	PHOENIX AMA	Driller License #:	533
Application:	23-APR-91	Approved:	Not Reported
Installed Date:	17-SEP-91	Well Depth (ft):	540
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING	AMA or INA:	PHOENIX
Water Level (ft):	480	Casing Diameter (in):	6
Casing Depth (ft):	494	Pump Type:	SUBMERSIBLE
RGR Pump Data:	NO	Pump Rate:	10
Pump Power:	ELECTRIC MOTOR 1 - 5 HP	Draw Down:	0
Tested Rate:	0	Well Cancelled:	Y
Completion:	A	Watershed:	AGUA FRIA RIVER
Driller Log:	X		

C12
WSW
1/2 - 1 Mile
Lower

AZ WELLS AZDWR1200107878

Program:	55	Registry ID:	563368
Owner Name:	PHOENIX, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	PHOENIX AMA	Driller License #:	529
Application:	02-JUL-97	Approved:	Not Reported
Installed Date:	16-AUG-97	Well Depth (ft):	491
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING	AMA or INA:	PHOENIX
Water Level (ft):	0	Casing Diameter (in):	6
Casing Depth (ft):	424	Pump Type:	NO PUMP CODE LISTED
RGR Pump Data:	NO	Pump Rate:	0
Pump Power:	NO POWER CODE LISTED	Draw Down:	0
Tested Rate:	0	Well Cancelled:	Not Reported
Completion:	N	Watershed:	AGUA FRIA RIVER
Driller Log:	X		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D13
ESE
1/2 - 1 Mile
Higher

FRDS PWS AZ0407285

Epa region:	09	State:	AZ
Pwsid:	AZ0407285	Pwsname:	PHOENIX-HAPPY VALLEY # 3
Cityserved:	Not Reported	Stateserved:	AZ
Ziperved:	Not Reported	Fipscounty:	07
Status:	Closed	Retpopsrvd:	25
Pwssvconn:	1	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Local_Govt
Contact:	PHOENIX-HAPPY VALLEY # 3	Contactorgname:	Not Reported
Contactphone:	602-262-7454	Contactaddress1:	Not Reported
Contactaddress2:	24439 N. 23RD AVE	Contactcity:	PHOENIX
Contactstate:	AZ	Contactzip:	85017
Pwsactivitycode:	I		

PWS ID:	AZ0407285	PWS type:	System Owner/Responsible Party
PWS name:	PHOENIX WATER SERVICES DEPT		
PWS address:	200 WEST WASHINGTON	PWS city:	PHOENIX
PWS state:	AZ	PWS zip:	85003
PWS ID:	AZ0407285	Activity status:	Active
Date system activated:	8903	Date system deactivated:	Not Reported
Retail population:	00000025	System name:	PHOENIX-HAPPY VALLEY # 3
System address:	Not Reported	System address:	24439 N. 23RD AVE
System city:	PHOENIX	System state:	AZ
System zip:	85017		

County FIPS:	04	City served:	PHOENIX
Population served:	Under 101 Persons	Treatment:	Untreated
Latitude:	333024	Longitude:	1120724
Latitude:	334231	Longitude:	1120627

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9430516	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	GROSS ALPHA, EXCL. RADON & U
Violation type:	Monitoring, Regular	Violation start date:	041990
Violation end date:	041894	Violation period (months):	048
Violation awareness date:	050294	Major violator:	Yes
Maximum contaminant level:	Not Reported	Number of required samples:	Not Reported
Number of samples taken:	000	Analysis method:	Not Reported
Analysis result:	Not Reported		

14
SE
1/2 - 1 Mile
Lower

AZ WELLS AZDEQ3000000117

DWR Number:	Not Reported	DEQ Well #:	000210
Agency Well #:	000210	Start Date:	Not Reported
End Date:	Not Reported	Station Alt Name:	COP WELL #258
well Depth:	Not Reported	Drill Depth:	Not Reported
Watershed:	MIDDLE GILA	Basin:	Phoenix AMA
Aquifer Type:	Not Reported	Water Use:	Site Water Use Is Unknown

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Type: Well, For Single Wells Other Than Wells Of The Collector Or Ranney Type

**D15
ESE
1/2 - 1 Mile
Higher**

AZ WELLS AZDWR1200169336

Program:	55	Registry ID:	626645
Owner Name:	PHOENIX, CITY OF,	Well Type:	NON-EXEMPT
Well Type Group:	NON-EXEMPT	Water Use:	MUNICIPAL USES
Basin Name:	PHOENIX AMA	Driller License #:	0
Application:	11-JUN-82	Approved:	Not Reported
Installed Date:	31-JAN-74	Well Depth (ft):	860
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	343	AMA or INA:	PHOENIX
Casing Depth (ft):	860	Casing Diameter (in):	10
RGR Pump Data:	YES	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	15
Tested Rate:	0	Draw Down:	0
Completion:	Not Reported	Well Cancelled:	Not Reported
Driller Log:	Not Reported	Watershed:	AGUA FRIA RIVER

**D16
ESE
1/2 - 1 Mile
Higher**

AZ WELLS AZDEQ3000002151

DWR Number:	55-626645	DEQ Well #:	10894
Agency Well #:	10894	Start Date:	01-JAN-73
End Date:	Not Reported	Station Alt Name:	A-04-02 12ACB
well Depth:	Not Reported	Drill Depth:	865
Watershed:	MIDDLE GILA	Basin:	Phoenix AMA
Aquifer Type:	Not Reported		
Water Use:	Water That Is Pumped And Distributed To More Than Fifteen Homes. Community Water Systems Serve Year Round Residents While Non-Community Water Systems Serve Part Time Residents For At Least 60 Days A Year.		
Well Type:	Well, For Single Wells Other Than Wells Of The Collector Or Ranney Type		

**17
SSW
1/2 - 1 Mile
Lower**

AZ WELLS AZDWR1200071223

Program:	55	Registry ID:	531658
Owner Name:	PHOENIX, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	PHOENIX AMA	Driller License #:	35
Application:	23-APR-91	Approved:	Not Reported
Installed Date:	21-AUG-91	Well Depth (ft):	600
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	400	AMA or INA:	PHOENIX
Casing Depth (ft):	557	Casing Diameter (in):	6
RGR Pump Data:	NO	Pump Type:	SUBMERSIBLE
Pump Power:	ELECTRIC MOTOR 1 - 5 HP	Pump Rate:	10
Tested Rate:	0	Draw Down:	0
Completion:	X	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	AGUA FRIA RIVER

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

18
WNW
1/2 - 1 Mile
Lower

AZ WELLS AZDWR1200071292

Program:	55	Registry ID:	531660
Owner Name:	PHOENIX, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	PHOENIX AMA	Driller License #:	35
Application:	23-APR-91	Approved:	Not Reported
Installed Date:	01-OCT-91	Well Depth (ft):	443
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	383	AMA or INA:	PHOENIX
Casing Depth (ft):	373	Casing Diameter (in):	6
RGR Pump Data:	NO	Pump Type:	SUBMERSIBLE
Pump Power:	ELECTRIC MOTOR 1 - 5 HP	Pump Rate:	10
Tested Rate:	0	Draw Down:	0
Completion:	X	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	AGUA FRIA RIVER

D19
East
1/2 - 1 Mile
Higher

FED USGS USGS40000056757

Organization ID:	USGS-AZ	Organization Name:	USGS Arizona Water Science Center
Monitor Location:	A-04-02 12ACB	Type:	Well
Description:	Not Reported	HUC:	15070102
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1973
Well Depth:	860	Well Depth Units:	ft
Well Hole Depth:	860	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	2	Level reading date:	1991-11-07
Feet below surface:	344.60	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1973-11-25	Feet below surface:	353.00
Feet to sea level:	Not Reported	Note:	Not Reported

20
South
1/2 - 1 Mile
Lower

AQUIFLOW 48432

Site ID:	001753
Groundwater Flow:	WSW
Shallowest Water Table Depth:	Not Reported
Deepest Water Table Depth:	Not Reported
Average Water Table Depth:	Not Reported
Date:	01/04/1996

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

21
SSE
1/2 - 1 Mile
Lower

AZ WELLS AZDWR1200029452

Program:	55	Registry ID:	227686
Owner Name:	TERRACON CONSULTANTS	Well Type:	SPCL - GEOTECHNICAL
Well Type Group:	OTHER	Water Use:	NO WATER USE
Basin Name:	PHOENIX AMA	Driller License #:	666
Application:	22-AUG-17	Approved:	22-AUG-17
Installed Date:	26-AUG-17	Well Depth (ft):	120
Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	PHOENIX	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	A
Well Cancelled:	Y	Driller Log:	X
Watershed:	AGUA FRIA RIVER		

E22
SW
1/2 - 1 Mile
Lower

AZ WELLS AZDWR1200169341

Program:	55	Registry ID:	626650
Owner Name:	PHOENIX, CITY OF,	Well Type:	NON-EXEMPT
Well Type Group:	NON-EXEMPT	Water Use:	MUNICIPAL USES
Basin Name:	PHOENIX AMA	Driller License #:	0
Application:	11-JUN-82	Approved:	Not Reported
Installed Date:	01-JAN-73	Well Depth (ft):	990
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING	AMA or INA:	PHOENIX
Water Level (ft):	425	Casing Diameter (in):	16
Casing Depth (ft):	990	Pump Type:	NO PUMP CODE LISTED
RGR Pump Data:	YES	Pump Rate:	0
Pump Power:	NO POWER CODE LISTED	Draw Down:	0
Tested Rate:	0	Well Cancelled:	Not Reported
Completion:	Not Reported	Watershed:	AGUA FRIA RIVER
Driller Log:	Not Reported		

E23
SW
1/2 - 1 Mile
Lower

AZ WELLS AZDEQ3000002150

DWR Number:	55-626650	DEQ Well #:	10893
Agency Well #:	10893	Start Date:	01-FEB-73
End Date:	Not Reported	Station Alt Name:	A-04-02 11CCA
well Depth:	Not Reported	Drill Depth:	990
Watershed:	MIDDLE GILA	Basin:	Phoenix AMA
Aquifer Type:	Not Reported		
Water Use:	Water That Is Pumped And Distributed To More Than Fifteen Homes. Community Water Systems Serve Year Round Residents While Non-Community Water Systems Serve Part Time Residents For At Least 60 Days A Year.		
Well Type:	Well, For Single Wells Other Than Wells Of The Collector Or Ranney Type		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

24
NNW
1/2 - 1 Mile
Higher

AZ WELLS AZDWR1200071293

Program:	55	Registry ID:	531661
Owner Name:	PHOENIX, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	PHOENIX AMA	Driller License #:	35
Application:	23-APR-91	Approved:	Not Reported
Installed Date:	22-JUL-91	Well Depth (ft):	308
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	248	AMA or INA:	PHOENIX
Casing Depth (ft):	301	Casing Diameter (in):	6
RGR Pump Data:	YES	Pump Type:	SUBMERSIBLE
Pump Power:	ELECTRIC MOTOR 1 - 5 HP	Pump Rate:	10
Tested Rate:	120	Draw Down:	31
Completion:	X	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	AGUA FRIA RIVER

25
North
1/2 - 1 Mile
Higher

AZ WELLS AZDWR1200189072

Program:	55	Registry ID:	807329
Owner Name:	ARIZONA DEPARTMENT OF TRANSPORTATION	Well Type Group:	EXEMPT
Well Type:	EXEMPT	Basin Name:	PHOENIX AMA
Water Use:	NO WATER USE	Application:	01-AUG-96
Driller License #:	215	Installed Date:	26-JUL-64
Approved:	Not Reported	Casing Type:	STEEL - PERFORATED OR SLOTTED CASING
Well Depth (ft):	249	AMA or INA:	PHOENIX
Water Level (ft):	0	Casing Diameter (in):	8
Casing Depth (ft):	249	Pump Type:	NO PUMP CODE LISTED
RGR Pump Data:	NO	Pump Rate:	0
Pump Power:	NO POWER CODE LISTED	Draw Down:	0
Tested Rate:	0	Well Cancelled:	Not Reported
Completion:	A	Watershed:	AGUA FRIA RIVER
Driller Log:	Not Reported		

1G
WNW
1/4 - 1/2 Mile
Lower

AQUIFLOW 49267

Site ID: 003869
Groundwater Flow: SW
Shallowest Water Table Depth: Not Reported
Deepest Water Table Depth: Not Reported
Average Water Table Depth: Not Reported
Date: 10/29/1986

2G
South
1/2 - 1 Mile
Lower

AQUIFLOW 48432

Site ID: 001753
Groundwater Flow: WSW
Shallowest Water Table Depth: Not Reported
Deepest Water Table Depth: Not Reported
Average Water Table Depth: Not Reported
Date: 01/04/1996

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for MARICOPA County: 2

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

Federal Area Radon Information for MARICOPA COUNTY, AZ

Number of sites tested: 695

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.697 pCi/L	93%	7%	0%
Living Area - 2nd Floor	3.640 pCi/L	80%	20%	0%
Basement	2.242 pCi/L	79%	21%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Riparian Vegetation Associated with Perennial Waters

Source: State Land Department

Telephone: 602-542-4094

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

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

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

SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

STATE RECORDS

Arizona Well Registration Database

Source: Department of Water Resources

Telephone: 602-771-8535

The Wells database contains all wells registered in the state.

Water Well Information

Agency: Department of Environmental Quality

Telephone: 602-771-2300

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Arizona Geological Survey

Telephone: 520-770-3500

This database contains Oil and Gas wells in the State of Arizona. Includes all wells that have been permitted by the State Oil and Gas Conservation Commission (OGCC). Gas wells include natural gas, helium, and carbon dioxide wells.

RADON

State Database: AZ Radon

Source: Arizona Radiation Regulatory Agency

Telephone: 602-255-4845

State Indoor Radon Survey

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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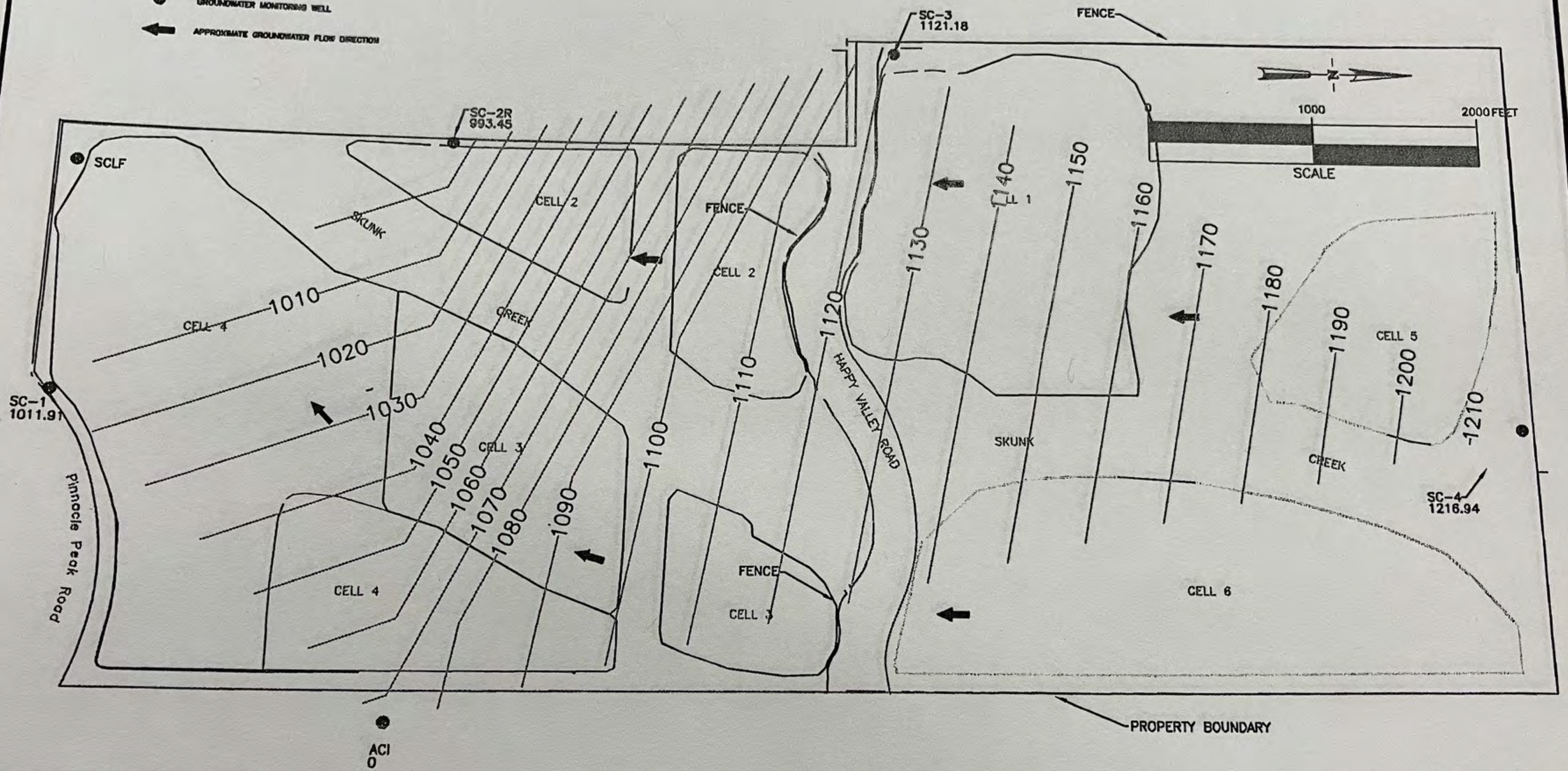
APPENDIX E

FILE REVIEW AND INTERVIEW DOCUMENTATION

S:\engineer\Autocad\GroundWater\GW Maps_up\Skunk Creek LF\2014\1STHALF2017DWG

LEGEND

- SC-1 WELL IDENTIFICATION
- 1010.84 GROUNDWATER ELEVATION
- GROUNDWATER MONITORING WELL
- ← APPROXIMATE GROUNDWATER FLOW DIRECTION



CITY OF PHOENIX
 SOLID WASTE DISPOSAL
 MANAGEMENT DIVISION
 3060 S. 27TH AVENUE
 PHOENIX, ARIZONA 85009

● ADOT - Abandoned

DATE: 7/30
 DWN: JP
 REV: DS
 APP: DS

FIGURE 1
 CITY OF PHOENIX
 SKUNK CREEK LANDFILL
 PHOENIX, ARIZONA
 GROUNDWATER CONTOURS
 1ST HALF 2018

**Skunk Creek Landfill
Metals Detections
1st Half 2018**

Well I.D.	ACI	SC-1	SC-2R	SC-2R	SC-3	SC-4		
Sample Date	6/18/2018	6/12/2018	6/12/2018	6/12/2018	6/18/2018	6/18/2018		
Sample Type	FO	FO	FD	FO	FO	FO		
Quarter	182	182	182	182	182	182		
	Quality Standard	Alert Levels						
ARSENIC	0.05	0.065	0.014	0.0017	0.013	0.013	*0.0640	0.012
BARIUM	2	0.05	0.018	0.007	0.0071	0.0066	0.011	0.01
CADMIUM	0.005	0.004	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
CHROMIUM	0.1	0.086	0.024	0.0044	0.03	0.03	0.075	0.026
LEAD	0.05	0.038	0.0012	0.0007	0.0018	0.0018	0.0035	0.0014
MERCURY	0.002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
SELENIUM	0.05	0.04	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SILVER	NA	0.08	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

FO - Field Original. FB - Field Blank. FD - Field Duplicate. NA - Not Applicable.
An asterisk (*) indicates that the analyte detection exceeds the quality standard.

Volatile Organic Detections
1st Half 2018

Well I.D.			ACI	SC-1	SC-1	SC-2R	SC-2R	SC-2R	SC-3	SC-3
Sample Date			6/18/2018	6/12/2018	6/12/2018	6/12/2018	6/12/2018	6/12/2018	6/18/2018	6/18/2018
Sample Type			FO	FO	TB	FD	FO	TB	FD	FO
Quarter			182	182	182	182	182	182	182	182
	Quality Standard	Alert Level	Volatile Organics EPA 8260/8011 (ug/l)							
1,1,1,2-TETRACHLOROETHANE	NA	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
1,1,1-TRICHLOROETHANE	200	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
1,1,2,2-TETRACHLOROETHANE	NA	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
1,1,2-TRICHLOROETHANE	5	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
1,1-DICHLOROETHANE	NA	2	<0.5000	1.5	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
1,1-DICHLOROETHENE	7	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
1,2,3-TRICHLOROPROPANE	NA	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
DIBROMOCHLOROPROPANE	0.2	0.2	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
ETHYLENE DIBROMIDE		0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
1,2-DICHLOROBENZENE	600	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
1,2-DICHLOROETHANE	5	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
1,2-DICHLOROPROPANE	5	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
1,4-DICHLOROBENZENE	75	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
2-BUTANONE	NA	10	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000
2-HEXANONE	NA	2	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
4-METHYL-2-PENTANONE	NA	2	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000
ACETONE	NA	50	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
ACRYLONITRILE	NA	50	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000
BENZENE	5	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
BROMOCHLOROMETHANE	NA	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
BROMODICHLOROMETHANE	100	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
BROMOFORM	100	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
BROMOMETHANE	NA	5	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
CARBON DISULFIDE	NA	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
CARBON TETRACHLORIDE	5	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
CHLOROBENZENE	NA	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
CHLOROETHANE	NA	5	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
CHLOROFORM	100	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
CHLOROMETHANE	NA	5	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
CIS-1,2-DICHLOROETHENE	70	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
CIS-1,3-DICHLOROPROPENE	NA	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
DIBROMOCHLOROMETHANE	100	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
DIBROMOMETHANE	NA	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
ETHYLBENZENE	700	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
IODOMETHANE	NA	2	<0.1000	<0.1000	<0.1000	<0.1000	<0.1000	<0.1000	<0.1000	<0.1000
METHYLENE CHLORIDE	5	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
STYRENE	100	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
TETRACHLOROETHENE	5	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
TOLUENE	1000	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
TRANS-1,2-DICHLOROETHENE	100	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
TRANS-1,3-DICHLOROPROPENE	NA	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
TRANS-1,4-DICHLORO-2-BUTENE	NA	10	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
TRICHLOROETHENE	5	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
TRICHLOROFLUOROMETHANE	NA	2	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000
VINYL ACETATE	NA	10	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
VINYL CHLORIDE	2	2	<0.3000	<0.3000	<0.3000	<0.3000	<0.3000	<0.3000	<0.3000	<0.3000
TOTAL XYLENES	10000	6	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000	<0.5000

FO - Field Original. FB - Field Blank. FD - Field Duplicate. NA - Not Applicable. TB - Trip Blank.
An asterisk (*) indicates that the analyte detection exceeds the quality standard.

Skunk Creek Landfill
Volatile Organic Detections
1st Half 2018

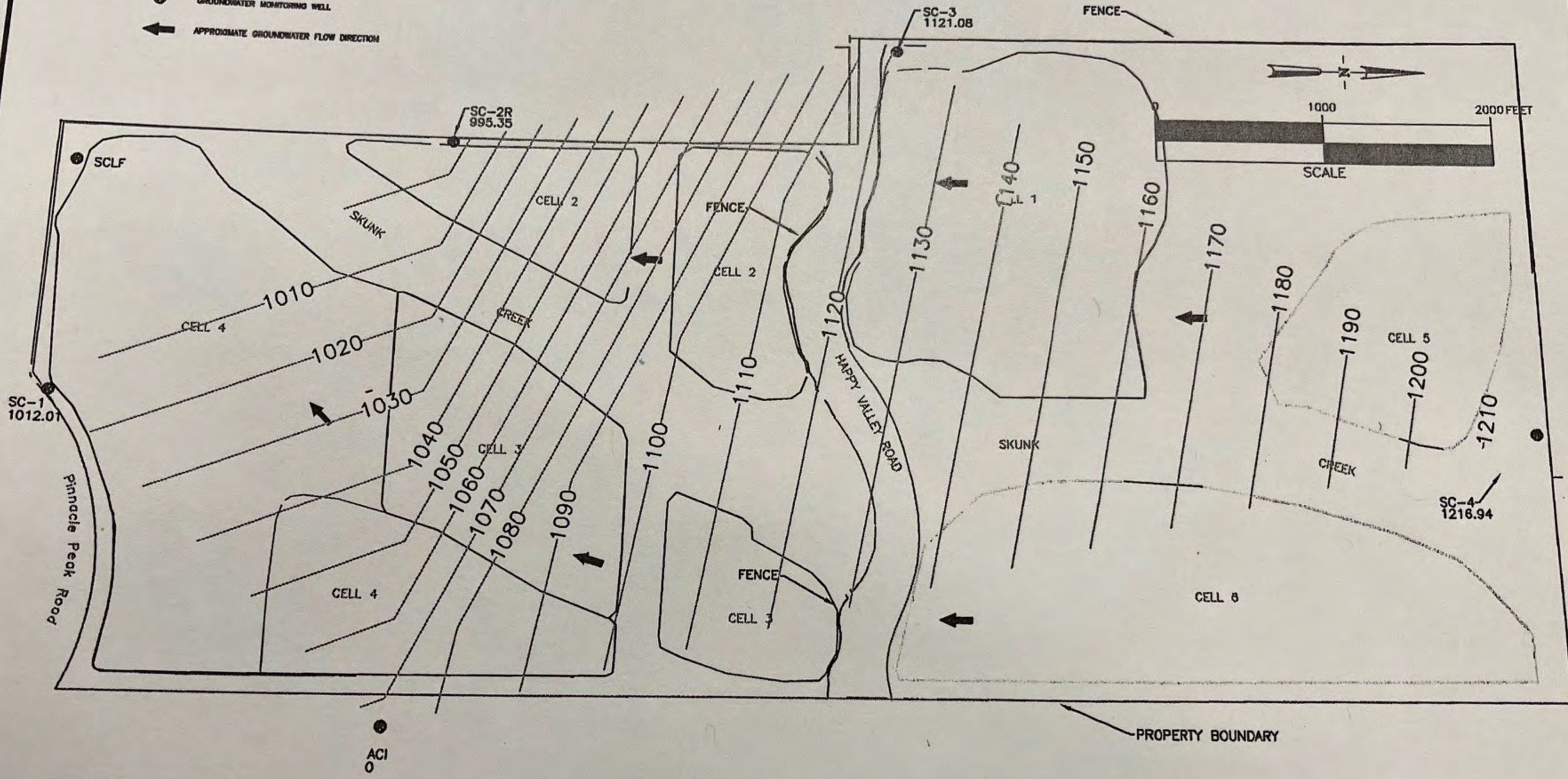
Well I.D.		SC-3	SC-4	SC-4	
Sample Date		6/18/2018	6/18/2018	6/18/2018	
Sample Type		TB	FO	TB	
Quarter		182	182	182	
	Quality Standard	Alert Level	EPA 8260/8011 (ug/l)		
1,1,1,2-TETRACHLOROETHANE	NA	2	<0.5000	<0.5000	<0.5000
1,1,1-TRICHLOROETHANE	200	2	<0.5000	<0.5000	<0.5000
1,1,2,2-TETRACHLOROETHANE	NA	2	<0.5000	<0.5000	<0.5000
1,1,2-TRICHLOROETHANE	5	2	<0.5000	<0.5000	<0.5000
1,1-DICHLOROETHANE	NA	2	<0.5000	<0.5000	<0.5000
1,1-DICHLOROETHENE	7	2	<0.5000	<0.5000	<0.5000
1,2,3-TRICHLOROPROPANE	NA	2	<0.5000	<0.5000	<0.5000
DIBROMOCHLOROPROPANE	0.2	0.2	<0.0100	<0.0100	<0.0100
ETHYLENE DIBROMIDE		0.05	<0.0100	<0.0100	<0.0100
1,2-DICHLOROBENZENE	600	2	<0.5000	<0.5000	<0.5000
1,2-DICHLOROETHANE	5	2	<0.5000	<0.5000	<0.5000
1,2-DICHLOROPROPANE	5	2	<0.5000	<0.5000	<0.5000
1,4-DICHLOROBENZENE	75	2	<0.5000	<0.5000	<0.5000
2-BUTANONE	NA	10	<5.0000	<5.0000	<5.0000
2-HEXANONE	NA	2	<10.0000	<10.0000	<10.0000
4-METHYL-2-PENTANONE	NA	2	<5.0000	<5.0000	<5.0000
ACETONE	NA	50	<10.0000	<10.0000	<10.0000
ACRYLONITRILE	NA	50	<50.0000	<50.0000	<50.0000
BENZENE	5	2	<0.5000	<0.5000	<0.5000
BROMOCHLOROMETHANE	NA	2	<0.5000	<0.5000	<0.5000
BROMODICHLOROMETHANE	100	2	<0.5000	<0.5000	<0.5000
BROMOFORM	100	2	<0.5000	<0.5000	<0.5000
BROMOMETHANE	NA	5	<0.5000	<0.5000	<0.5000
CARBON DISULFIDE	NA	2	<0.5000	<0.5000	<0.5000
CARBON TETRACHLORIDE	5	2	<0.5000	<0.5000	<0.5000
CHLOROBENZENE	NA	2	<0.5000	<0.5000	<0.5000
CHLOROETHANE	NA	5	<0.5000	<0.5000	<0.5000
CHLOROFORM	100	2	<0.5000	<0.5000	<0.5000
CHLOROMETHANE	NA	5	<0.5000	<0.5000	<0.5000
CIS-1,2-DICHLOROETHENE	70	2	<0.5000	<0.5000	<0.5000
CIS-1,3-DICHLOROPROPENE	NA	2	<0.5000	<0.5000	<0.5000
DIBROMOCHLOROMETHANE	100	2	<0.5000	<0.5000	<0.5000
DIBROMOMETHANE	NA	2	<0.5000	<0.5000	<0.5000
ETHYLBENZENE	700	2	<0.5000	<0.5000	<0.5000
IODOMETHANE	NA	2	<0.1000	<0.1000	<0.1000
METHYLENE CHLORIDE	5	2	<0.5000	<0.5000	<0.5000
STYRENE	100	2	<0.5000	<0.5000	<0.5000
TETRACHLOROETHENE	5	2	<0.5000	<0.5000	<0.5000
TOLUENE	1000	2	<0.5000	<0.5000	<0.5000
TRANS-1,2-DICHLOROETHENE	100	2	<0.5000	<0.5000	<0.5000
TRANS-1,3-DICHLOROPROPENE	NA	2	<0.5000	<0.5000	<0.5000
TRANS-1,4-DICHLORO-2-BUTENE	NA	10	<10.0000	<10.0000	<10.0000
TRICHLOROETHENE	5	2	<0.5000	<0.5000	<0.5000
TRICHLOROFLUOROMETHANE	NA	2	<0.5000	<0.5000	<0.5000
VINYL ACETATE	NA	10	<10.0000	<10.0000	<10.0000
VINYL CHLORIDE	2	2	<0.3000	<0.3000	<0.3000
TOTAL XYLENES	10000	6	<0.5000	<0.5000	<0.5000

FO - Field Original. FB - Field Blank. FD - Field Duplicate. NA - Not Applicable. TB - Trip Blank.
An asterisk (*) indicates that the analyte detection exceeds the quality standard.


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LEGEND

- SC-1 WELL IDENTIFICATION
- 1010.84 GROUNDWATER ELEVATION
- GROUNDWATER MONITORING WELL
- ← APPROXIMATE GROUNDWATER FLOW DIRECTION



DATE: 7/30/18

 CITY OF PHOENIX
SOLID WASTE DISPOSAL
MANAGEMENT DIVISION
3060 S. 27TH AVENUE
PHOENIX, ARIZONA 85009

● ADOT - Abandoned

DATE: 7/30
DWN: JP
REV: DS
APP: DS

FIGURE 1
CITY OF PHOENIX
SKUNK CREEK LANDFILL
PHOENIX, ARIZONA
GROUNDWATER CONTOURS
2ND HALF 2018

**Skunk Creek Landfill
Metals Detections
2nd Half 2018**

Well I.D.			ACI	SC-1	SC-1	SC-2R	SC-3	SC-4	SC-4
Sample Date			12/12/2018	12/13/2018	12/13/2018	12/13/2018	12/12/2018	11/29/2018	11/29/2018
Sample Type			FO	FO	FD	FO	FO	FO	FD
Quarter			184	184	184	184	184	184	184
	Quality Standard	Alert Levels	Metals (mg/l)						
			ARSENIC	0.05	0.065	<0.0100	<0.0100	0.0134	0.0185
BARIUM	2	0.05	0.0157	<0.0100	<0.0100	<0.0100	<0.0100	0.0119	0.0119
CADMIUM	0.005	0.004	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
CHROMIUM	0.1	0.086	0.0205	<0.0100	<0.0100	0.0268	0.052	0.032	0.0315
LEAD	0.05	0.038	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
MERCURY	0.002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
SELENIUM	0.05	0.04	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
SILVER	NA	0.08	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200

FO - Field Original. FB - Field Blank. FD - Field Duplicate. NA - Not Applicable.

An asterisk (*) indicates that the analyte detection exceeds the quality standard.

Skunk Creek Landfill
Volatile Organic Detections
2nd Half 2018

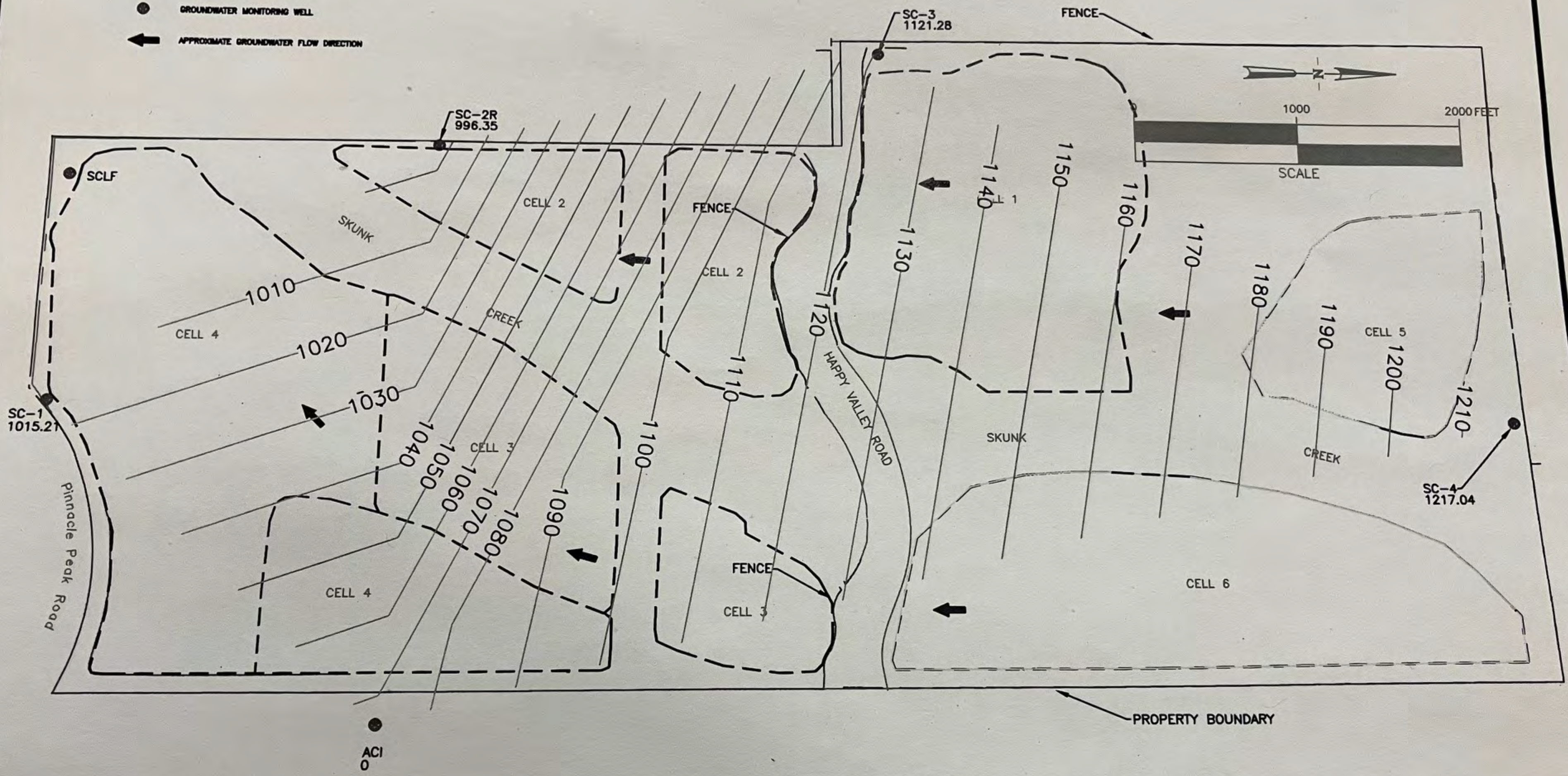
Well I.D.			ACI	SC-1	SC-1	SC-2R	SC-3	SC-4	SC-4
Sample Date			12/12/2018	12/13/2018	12/13/2018	12/12/2018	12/12/2018	11/29/2018	11/29/2018
Sample Type			FO	FO	FD	FO	FO	FO	FD
Quarter			184	184	184	184	184	184	184
	Quality Standard	Alert Level	Volatile Organics EPA 8260/8011 (ug/l)						
1,1,1,2-TETRACHLOROETHANE	NA	2	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195
1,1,1-TRICHLOROETHANE	200	2	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130
1,1,2,2-TETRACHLOROETHANE	NA	2	<0.365	<0.365	<0.365	<0.365	<0.365	<0.365	<0.365
1,1,2-TRICHLOROETHANE	5	2	<0.272	<0.272	<0.272	<0.272	<0.272	<0.272	<0.272
1,1-DICHLOROETHANE	NA	2	<0.182	1.31	1.32	<0.182	<0.182	<0.182	<0.182
1,1-DICHLOROETHENE	7	2	<0.178	<0.178	<0.178	<0.178	<0.178	<0.178	<0.178
1,2,3-TRICHLOROPROPANE	NA	2	<0.214	<0.214	<0.214	<0.214	<0.214	<0.214	<0.214
DIBROMOCHLOROPROPANE	0.2	0.2	<0.0193	<0.0194	<0.0194	<0.0197	<0.0192	<0.0195	<0.0197
ETHYLENE DIBROMIDE		0.05	<0.0000193	<0.0000194	<0.0000194	<0.0000197	<0.0000192	<0.0000195	<0.0000197
1,2-DICHLOROBENZENE	600	2	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175
1,2-DICHLOROETHANE	5	2	<0.283	<0.283	<0.283	<0.283	<0.283	<0.283	<0.283
1,2-DICHLOROPROPANE	5	2	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170
1,4-DICHLOROBENZENE	75	2	<0.222	<0.222	<0.222	<0.222	<0.222	<0.222	<0.222
2-BUTANONE	NA	10	<1.32	<1.32	<1.32	<1.32	<1.32	<1.32	<1.32
2-HEXANONE	NA	2	<1.05	<1.05	<1.05	<1.05	<1.05	<1.05	<1.05
4-METHYL-2-PENTANONE	NA	2	<0.874	<0.875	<0.876	<0.877	<0.878	<0.879	<0.880
ACETONE	NA	50	<20.0	<20.1	<20.2	<20.3	<20.4	<20.5	<20.6
ACRYLONITRILE	NA	50	<1.22	<1.23	<1.24	<1.25	<1.26	<1.27	<1.28
BENZENE	5	2	<0.185	<0.185	<0.185	<0.185	<0.185	<0.185	<0.185
BROMOCHLOROMETHANE	NA	2	<0.328	<0.328	<0.328	<0.328	<0.328	<0.328	<0.328
BROMODICHLOROMETHANE	100	2	<0.164	<0.164	<0.164	<0.164	<0.164	<0.164	<0.164
BROMOFORM	100	2	<0.348	<0.348	<0.348	<0.348	<0.348	<0.348	<0.348
BROMOMETHANE	NA	5	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127
CARBON DISULFIDE	NA	2	<0.173	<0.173	<0.173	<0.173	<0.173	<0.173	<0.173
CARBON TETRACHLORIDE	5	2	<0.243	<0.243	<0.243	<0.243	<0.243	<0.243	<0.243
CHLOROBENZENE	NA	2	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110
CHLOROETHANE	NA	5	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190
CHLOROFORM	100	2	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107
CHLOROMETHANE	NA	5	<5.00	<5.01	<5.02	<5.03	<5.04	<5.05	<5.06
CIS-1,2-DICHLOROETHENE	70	2	<0.162	<0.162	<0.162	<0.162	<0.162	<0.162	<0.162
CIS-1,3-DICHLOROPROPENE	NA	2	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126
DIBROMOCHLOROMETHANE	100	2	<0.212	<0.212	<0.212	<0.212	<0.212	<0.212	<0.212
DIBROMOMETHANE	NA	2	<0.186	<0.186	<0.186	<0.186	<0.186	<0.186	<0.186
ETHYLBENZENE	700	2	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190
IODOMETHANE	NA	2	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170
METHYLENE CHLORIDE	5	2	<2.00	<2.01	<2.02	<2.03	<2.04	<2.05	<2.06
STYRENE	100	2	<0.197	<0.197	<0.197	<0.197	<0.197	<0.197	<0.197
TETRACHLOROETHENE	5	2	<0.347	<0.347	<0.347	<0.347	<0.347	<0.347	<0.347
TOLUENE	1000	2	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
TOTAL XYLENES	10000	6	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
TRANS-1,2-DICHLOROETHENE	100	2	<0.167	<0.167	<0.167	<0.167	<0.167	<0.167	<0.167
TRANS-1,3-DICHLOROPROPENE	NA	2	<0.198	<0.198	<0.198	<0.198	<0.198	<0.198	<0.198
TRANS-1,4-DICHLORO-2-BUTENE	NA	10	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
TRICHLOROETHENE	5	2	<0.218	0.43	0.47	<0.218	<0.218	<0.218	<0.218
TRICHLOROFLUOROMETHANE	NA	2	<0.191	<0.191	<0.191	<0.191	<0.191	<0.191	<0.191
VINYL ACETATE	NA	10	<0.583	<0.583	<0.583	<0.583	<0.583	<0.583	<0.583
VINYL CHLORIDE	2	2	<0.232	<0.232	<0.232	<0.232	<0.232	<0.232	<0.232

FO - Field Original. FB - Field Blank. FD - Field Duplicate. NA - Not Applicable. TB - Trip Blank.

C:\Users\Phoenix, City of\153691 - Landfill Reporting Support\GIS-CADD\Skunk Creek\2019\1STHALF2019WG

LEGEND

- SC-1 WELL IDENTIFICATION
- 1010.84 GROUNDWATER ELEVATION
- GROUNDWATER MONITORING WELL
- ← APPROXIMATE GROUNDWATER FLOW DIRECTION



● ACI
0

● ADOT - Abandoned



CITY OF PHOENIX
SOLID WASTE DISPOSAL
MANAGEMENT DIVISION
3060 S. 27TH AVENUE
PHOENIX, ARIZONA 85009

DATE: 07/20
DWN: RJ
REV: BS
APP: DS

FIGURE 1
CITY OF PHOENIX
SKUNK CREEK LANDFILL
PHOENIX, ARIZONA
GROUNDWATER CONTOURS
1ST HALF 2019

**SKUNK CREEK LANDFILL
ANNUAL REPORT 2019**

Table 5 - Metal Results, 1st Half 2019

Well I.D.	SC-1	SC-2R	SC-3	SC-3	SC-4	ACI		
Gradient	Down	Down	Down	Down	Up**	Up/Cross		
Sample Date	6/19/2019	6/19/2019	6/12/2019	6/12/2019	6/12/2019	6/24/2019		
Sample Type	Original	Original	Original	Duplicate	Original	Original		
Quarter	2Q2019	2Q2019	2Q2019	2Q2019	2Q2019	2Q2019		
	Alert Levels	Quality Standard	Metals (mg/l)					
ARSENIC	0.065	0.05	<0.004	0.0123	0.06	0.0604	0.0111	0.0128
BARIUM	0.05	2	0.00754	0.00655	0.00557	0.00564	0.0108	0.0162
CADMIUM	0.004	0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
CHROMIUM	0.086	0.1	0.00489	0.0299	0.0655	0.0665	0.0286	0.0234
LEAD	0.038	0.05	<0.002	<0.002	0.00286	0.0023	<0.002	0.00291
MERCURY	0.0002	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
SELENIUM	0.04	0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
SILVER	0.08	NA	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

NA - Not applicable.

Shaded cells are detected above the alert levels.

**Alert Levels do not apply to upgradient monitoring wells.

**SKUNK CREEK LANDFILL
ANNUAL REPORT 2019**

Table 3 - Water Level and Field Data, 1st Half 2019

Well ID	TOC Elevation (Feet AMSL)	Sample Date	Depth to Water (feet)	Water Level Elevation (feet)	Water Color Start*	Water Color End*	Purge Volume ***	Water Temperature (C)	pH	Specific Conductance (uS)	Air Temperature (F) **
SC-1	1412.11	6/19/2019	396.90	1015.21	NR	NR	5	32.2	7.52	677	79.0
SC-2R	1413.55	6/19/2019	417.20	996.35	1	1	5	29.6	7.67	387	90.0
SC-3	1426.28	6/12/2019	305.00	1121.28	2	1	5	34.6	8.56	471	94.0
SC-4	1456.64	6/12/2019	239.60	1217.04	1	1	5	28.9	7.82	344	90.0
ACI	1430.00	6/24/2019	NA	-	NR	NR	Grab	NR	NR	NR	NR

* 1 - Clear, 2 - Tan, 3 - Brown, 4 - Gray, 5 - Dark Gray

** Air Temperatures are taken from Maricopa County Flood Control District weather station data.

*** Purge volume is the number of saturated casing volumes pumped from the aquifer prior to the beginning of sampling.

NA - Not Available, NR - Not Recorded

ACI is a production well and is sampled as a grab sample.

Table 7 - Volatile Organic Compound Results, 1st Half 2019

Well I.D.	SC-1	SC-2R	SC-3	SC-3	SC-4	ACI	
Gradient	Down	Down	Down	Down	Up**	Up/Cross	
Sample Date	6/19/2019	6/19/2019	6/12/2019	6/12/2019	6/12/2019	6/24/2019	
Sample Type	Original	Original	Original	Duplicate	Original	Original	
Quarter	2Q2019	2Q2019	2Q2019	2Q2019	2Q2019	2Q2019	
	Alert Levels	Quality Standard	Volatile Organics EPA 8260/504.1/8011 (ug/l)				
DIBROMOMETHANE	2	NA	<1	<1	<1	<1	<1
ETHYLBENZENE	2	700	<1	<1	<1	<1	<1
IODOMETHANE	2	NA	<20	<20	<20	<20	<20
METHYLENE CHLORIDE	2	5	<10	<10	<10	<10	<10
STYRENE	2	100	<1	<1	<1	<1	<1
TETRACHLOROETHENE	2	5	<1	<1	<1	<1	<1
TOLUENE	2	1000	<1	<1	<1	<1	<1
TOTAL XYLENES	5	10000	<1	<1	<1	<1	<1
TRANS-1,2-DICHLOROETHENE	2	100	<1	<1	<1	<1	<1
TRANS-1,3-DICHLOROPROPENE	2	NA	<5	<5	<5	<5	<5
TRANS-1,4-DICHLORO-2-BUTENE	10	NA	<10	<10	<10	<10	<10
TRICHLOROETHENE	2	5	<5	<5	<5	<5	<5
TRICHLOROFLUOROMETHANE	2	NA	<1	<1	<1	<1	<1
VINYL ACETATE	10	NA	<50	<50	<50	<50	<50
VINYL CHLORIDE	2	2	<2	<2	<2	<2	<2

NA - Not Applicable.

bold Italics are Non-Detected results above the standard.

Water Quality Standard total trihalomethanes (bromodichloromethane, bromoform, chloroform, and dibromochloromethane) is 100 ug/l.

Alert Levels do not apply to upgradient monitoring wells.

**SKUNK CREEK LANDFILL
ANNUAL REPORT 2019**

Table 4 - Water Level and Field Data, 2nd Half 2019

Well ID	TOC Elevation (Feet AMSL)	Sample Date	Depth to Water (feet)	Water Level Elevation (feet)	Water Color Start*	Water Color End*	Purge Volume ***	Water Temperature (C)	pH	Specific Conductance (uS)	Air Temperature (F) **
SC-1	1412.11	12/12/2019	396.50	1015.61	1	2	5	30.0	7.75	690	48.0
SC-2R	1413.55	12/13/2019	416.90	996.65	NR	NR	Grab	24.7	8.87	387	NR
SC-3	1426.28	12/13/2019	305.00	1121.28	Unable to Pump						
SC-4	1456.64	12/12/2019	239.85	1216.79	1	1	5	29.4	8.28	391	63.0
ACI	1430.00	12/12/2019	NA	-	1	1	Grab	22.3	8.06	478	68.0
ACI	1430.00	2/20/2020	NA	-	1	1	Grab	24.6	7.57	480	78.0

* 1 - Clear, 2 - Tan, 3 - Brown, 4 - Gray, 5 - Dark Gray

** Air Temperatures are taken from Cellular Phone Data

*** Purge volume is the number of saturated casing volumes pumped from the aquifer prior to the beginning of sampling.

NA - Not Available, NR - Not Recorded

SC-2R failed to purge and was sampled as a grab sample.

ACI is a production well and is sampled as a grab sample.

SKUNK CREEK LANDFILL
ANNUAL REPORT 2019

Table 6 - Metal Results, 2nd Half 2019

Well I.D.	SC-1	SC-2R	SC-4	SC-4	ACI	ACI		
Gradient	Down	Down	Up**	Up**	Up/Cross	Up/Cross		
Sample Date	12/12/2019	12/13/2019	12/12/2019	12/12/2019	12/12/2019	2/20/2020		
Sample Type	Original	Original	Original	Duplicate	Original	Resample		
Quarter	4Q2019	4Q2019	4Q2019	4Q2019	4Q2019	1Q2020		
	Alert Levels	Quality Standard	Metals (mg/l)					
ARSENIC	0.065	0.05	0.0044	0.0065	0.012	0.011	0.033	-
BARIUM	0.05	2	0.024	0.0058	0.013	0.014	0.022	-
CADMIUM	0.004	0.005	<0.0005	0.0016	<0.0005	<0.0005	<0.0005	-
CHROMIUM	0.086	0.1	0.044	0.0098	0.028	0.030	0.10	0.035
LEAD	0.038	0.05	0.023	0.011	0.0016	0.0054	0.012	-
MERCURY	0.0002	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	-
SELENIUM	0.04	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	-
SILVER	0.08	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-

NA - Not applicable.

Shaded cells are detected above the alert levels.

**Alert Levels do not apply to upgradient monitoring wells.

VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)

Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3...)	Tank No. 1	Tank No. 2	Tank No.	Tank No.	Tank No.	
1. Status of Tank (Mark all that apply <input checked="" type="checkbox"/>) Currently in Use Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2. Estimated Age (Years)	6	6				
3. Estimated Total Capacity (Gallons)	550	10,000				
4. Material of Construction (Mark one <input checked="" type="checkbox"/>) Steel Concrete Fiberglass Reinforced Plastic Unknown Other, Please Specify	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5. Internal Protection (Mark all that apply <input checked="" type="checkbox"/>) Cathodic Protection Interior Lining (e.g., epoxy resins) None Unknown Other, Please Specify	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
6. External Protection (Mark all that apply <input checked="" type="checkbox"/>) Cathodic Protection Painted (e.g., asphaltic) Fiberglass Reinforced Plastic Coated None Unknown Other, Please Specify	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Piping (Mark all that apply <input checked="" type="checkbox"/>) Bare Steel Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown Other, Please Specify	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Substance Currently or Last Stored in Greatest Quantity by Volume (Mark all that apply <input checked="" type="checkbox"/>) a. Empty b. Petroleum Diesel Kerosene Gasoline (including alcohol blends) Used Oil Other, Please Specify c. Hazardous Substance d. Unknown	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Indicate Name of Principal CERCLA Substance OR Chemical Abstract Service (CAS) No. (Mark <input checked="" type="checkbox"/> if tank stores a mixture of substances)						
Information (for tanks permanently out of service) a. Estimated date last used (mo/yr) b. Estimated quantity of substance remaining (gal.) c. Mark <input checked="" type="checkbox"/> if tank was filled with inert material (e.g., sand, concrete)	/	/	/	/	/	/

Dear Mr. John Masterson:

At your request, this firm has conducted an inspection and laboratory testing evaluation of the above referenced site during the removal of two underground storage tanks. The tanks removed included a 500 gallon steel tank and a 10,000 gallon steel tank.

The two underground fuel tanks were removed on November 8, 1989. As such, two excavations were created during the removal process (refer to the attached tank removal sketch).

The excavation required for removal of the 10,000 gallon tank involved an open pit measuring roughly 17 feet by 36 feet, oriented in a north-northeasterly direction. This excavation was observed as roughly 10 feet in total depth and native soils exposed were of poorly graded sands and gravels with some clays present in the top 3 to 4 feet. The removal excavation was located to the south of the 500 gallon tank and directly off to the east of the driveway in this region of the site. Two samples were collected in the bottom of this feature as indicated on the attached sketch.

Sample number S2 was collected from a point 6.0 feet below the existing grade in the vicinity of a vent line. A second sample, S3, was then collected from a point below the removed tank in the northern portion of the excavation. Both of these samples were obtained from limited areas of detected hydrocarbon presence (as defined by olfactory senses), and retained for laboratory submittal.

A Photovac TIP II photoionization detector was utilized to conduct an analysis of the head space in a split of the original sample. The split was prepared for headspace analysis by evacuating a portion of the same sample into another glass jar with a teflon-lined lid. Following a period of roughly ten minutes, the reading was obtained. All PID readings obtained for samples collected at the above referenced site are included on the tank removal sketch.

No significant presence of petroleum hydrocarbons were noted in association with this tank. It is anticipated that the small concentrations of petroleum hydrocarbons detected in this excavation are the result of overfilling of the tanks. The product lines and utilities were also removed from this region, displaying no signs of petroleum hydrocarbon contamination.

The location of the 500 gallon tank was then observed. This excavation measured only 8 feet by 14 feet and extended roughly 7 feet below the existing surface. Slight soil contamination was evidenced throughout the southern one half of the tank removal excavation by noticeable odors and some light soil staining.

Again, two soil grab samples were retrieved from this excavation. Sample number S1 was first taken from a depth of 1.5 feet below the bottom of the excavation, in the southwest corner. Sample number S4 was then taken from the east wall of the excavation, at a depth of 7.0 feet below the existing site grade.

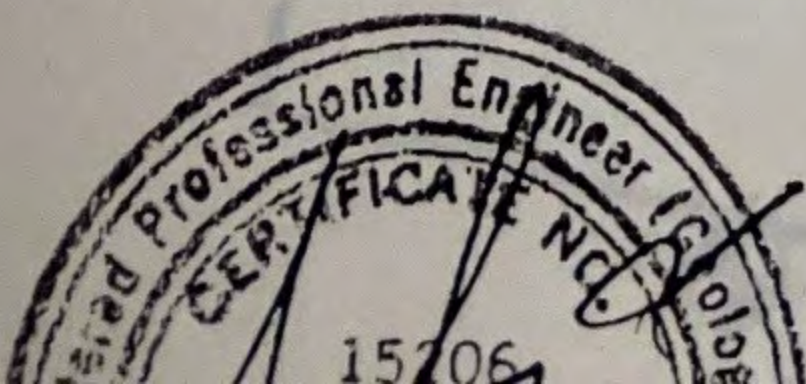
All four samples were placed in glass jars with teflon lids, and immediately transferred to an ice chest. They were then submitted, under proper chain of custody, to a certified laboratory for analysis of benzene, toluene, ethylbenzene, xylene, and total petroleum hydrocarbons. The test results are attached to this report. The test results indicate that concentrations of benzene, toluene, ethylbenzene, xylene, and total petroleum hydrocarbons are not in excess of the State Suggested Clean-Up Levels (SSCUL) in association with the two removed fuel tanks.

Based on the above laboratory test results, no further field or laboratory testing of the soils is hereby recommended.

Should any questions arise concerning this report, please feel free to contact this office at your earliest convenience.

Respectfully submitted,

FOREE & VANN, INC.



DOCUMENT LOG
UST COMPLIANCE/UST HYDROLOGY

FACILITY: C.O.P. SKUNK CREEK LANDFILL CASE #: ART 4775.0204.01

LOCATION: 3148 W. HAPPY VALLEY RD. FACID# 3869

PHOENIX 85027

OWDID# 894

DATE	FROM	TO	DOCUMENT DESCRIPTION
✓ 8-12-86	Susan Keith	Bill Wiley	Incident Report
✓ 8-19-86	" "	John Rampe	Response to 14 day requirement
✓ 8-27-86	John Rampe	Susan Keith	letter requesting Reports
✓ 8-29-86	" "	Bill Wiley	Hydro referral
9-25-86	Greg Seifert	Curt Cole	letter with results of test
10-6-86	John Rampe	Susan Keith	letter confirming extension
10-30-86	Susan Keith	John Rampe	Cover letter & Report
1-7-87	Tony Potucek	Susan Keith	Request for 1 year of Monitor
-14-87	Susan Keith	Tony Potucek	letter stating leak unconfirmed

✓ 9-25-86	Greg Seifer	Curt Cole	letter with results of test
✓ 10-6-86	John Rampe	Susan Keith	letter confirming extension
✓ 10-30-86	Susan Keith	John Rampe	Cover letter & Report
✓ 1-7-87	Tony Potucek	Susan Keith	Request for 1 year of Monitoring
✓ 1-14-87	Susan Keith	Tony Potucek	letter stating leak unconfirmed
✓ 1-20-87	Tony Potucek	John Rampe	Memo stating leak needs to be confirmed
✓ 3-31-87	Jean Haney	File	Memo summarizing meeting
✓ 4-7-87	" "	Sue Keith	letter requesting inventory
✓ 5-8-87	" "	Susan Keith	Explanation of Tank Test Results
✓ 5-4-87	Ed Santa Cruz	Jean Haney	Explanation of lack of Inventory
✓ 12-16-87	Lisa Lund	Susan Keith	Closure Letter
✓ 03-15-93	Brian Hasty	File	Consultant Review
✓ * 9-4-92 *	Frank Costello	File	Consultant Review
✓ 09-01-93	SWAT	/	Case ranking
✓ 10-13-94	M. Samgert	File	Review Request
✓ 3-28-95	V. Kearns	file	Review Request
✓ 06-03-99	Env. Data Resource	File	Review Request

HOME PHONE

STATE

DRIVER'S LIC. NO.

SOCIAL SECURITY NUMBER

THE FOLLOWING ITEMS ARE IN VIOLATION

EXIT REQUIREMENTS		HAZARDOUS MATERIALS		FIRE PROTECTION		BUILDING & GROUNDS	
1. NUMBER REQUIRED		9. STORAGE-HANDLING-USE		17. FIRE DEPARTMENT CONNECTIONS		25. DRY VEGETATION	
2. DOOR WIDTH/SWING		10. HAZARDOUS CHEMICALS		18. AUTOMATIC SPRINKLERS		26. TRASH CONDITIONS	
3. LOCKS, LATCHES		11. FLAMM./COMB. LIQUIDS		19. AUTOMATIC EXTINGUISHING SYSTEM		27. FIRE LANES	
4. EXIT SIGNS		12. L.P. GAS		20. PORTABLE EXTINGUISHERS		28. DANGEROUS CONDITIONS	
5. POWER OPERATED DOORS		13. EXPLOSIVES		21. HYDRANTS		29. DECORATIVE MATERIALS	
6. OBSTRUCTIONS/AISLES		14. HAZ. MAT. APPLICATION		22. FIRE ALARM SYSTEM		30. OPEN FLAME DEVICES	
7. TRAVEL DISTANCE TO EXIT		15. FIRE DIAMOND (NFPA)		23. FIRE DOORS		31. ELECTRICAL	
8. EMERGENCY LIGHTING		16. FIRE CODE PERMITS		24. STAND PIPE		32. OTHER — SPECIFY IN REMARKS	

ITEM NO	FIRE CODE SECTION	SPEC REF.	REMARKS	CORR REQ'D. BY (DATE)	CORRECTED (DATE)	CORR VERIF (PRINT)
			# 58329			
	16B	-	Observed proper purge of 1x10k + 1x500 tanks. Vent pipes in place. Proper amounts of Dry Ice used.			
			11/8/89. Contamination noted at 500 gal. tank. Samples taken by Force + Vann Co. Inc.			
			No contamination at 10k tank. Tanks off-site.			

The items noted above are in violation of the Phoenix Fire Code. This is an official notice of ordinance violation requiring correction within the specified time. Failure to comply with these requirements may lead to legal action. Violation of the Phoenix Fire Code is as violat City Ordinance G-2221, as amended, a Class 1 misdemeanor punishable by a fine not to exceed One Thousand Dollars or imprisonment exceeding six months or both. This inspection is intended for your safety and the safety of the citizens of Phoenix. Your cooperation is greatly appreciated. For information concerning this inspection call **262-6352**

RECEIVED <i>John Masterson</i> DATE 11-8-89	COMPANY INSPECTOR (NAME) <i>Ken Johnson</i> DATE	STATION NO. SHIFT C313/FPN
REFERRED TO F.P. PROSECUTOR (NAME)	REFERRED TO CITY PROSECUTOR BY	FIRE INCIDENT REPORT NO.

OCCUPANT

991614

MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT
DIVISION OF WATER AND WASTE MANAGEMENT
1001 North Central Avenue, Suite 150, Phoenix, Arizona 85004

RECEIVED
MAR 26 1999

PERMIT APPLICATION - INDIVIDUAL SEWAGE DISPOSAL SYSTEM
(PLEASE PRINT - FILL IN ENCLOSED AREAS ONLY)

MSB

The undersigned hereby applies for a permit to install/alter on-site sewage disposal facilities at:

Street Address: 3165 W. Happy Valley Road PX
(SITE ONLY - NO CITY OR ZIP REQUIRED. LEAVE BLANK IF ADDRESS IS NOT YET ASSIGNED)

Subdivision Name: Skunk Creek Landfill Lot No. _____

Legal Description: See Site Summary Sheet Section 2 Township 4 N/S Range 2 E/W

(Attached N)
 Property Owner: City of Phoenix

FOR COMMERCIAL INSTALLATION TEMPORARY ALTERATION

Type of Business: Municipal Solid Waste Landfill

Maximum number of users (customers, employees, members, etc.): 30 max

FOR OFFICE USE ONLY: LOCATION CODE: A04020200 ON-SITE SEWER TAP REQUIRED

FOR DOMESTIC INSTALLATION TEMPORARY ALTERATION ALTERNATIVE SYSTEM

() No. of Bedrooms _____	() Sump Pump _____	() _____
() Den/Study _____	() _____	() _____
() Basement _____	() _____	Total: _____

Size of Septic Tank Required (Capacity below overflow): 960 gallons. TRAFFIC LID REQUIRED

Method of Effluent Disposal: PERC TEST REQUIRED SITE INVESTIGATION REQUIRED TEST HOLE REQUIRED

Leach Line(s): Length 78' ft., Effective Depth 6' ft., Number of Lines 2

Leach Bed(s); ET Bed(s): Number _____, Length _____ ft., Width _____ ft., Number of Lines _____

Seepage Pit(s): Number _____, Diameter _____, Effective Depth _____

Percolation Rate: 1 1/25 Sq. Ft./BR: _____ Area Req'd. 1878 Other: _____

I, the undersigned, do hereby agree to assume complete responsibility to insure that these installations will be made in full compliance with all regulations of the Maricopa County Environmental Services Department and the Arizona State Department of Environmental Quality which are applicable at the time of the installation. I also understand that failure to comply with said regulations is subject to fine, imprisonment, or both. I UNDERSTAND THAT FEES INCLUDE DESIGN WORK AND TWO INSPECTIONS. ADDITIONAL INSPECTIONS ARE \$70/INSPECTION. SITE INSPECTION FEES ARE \$100. I ALSO UNDERSTAND THAT BASED ON SITE CONDITIONS ADDITIONAL DESIGN AND CONSTRUCTION MAY BE REQUIRED BEFORE APPROVAL.

Applicant: Bruce E. Henning (Jenny) 470-0444 Telephone: 534-3333
PLEASE PRINT

Company Name: City of Phoenix, Public Works Department Date: 3/22/99
PLEASE PRINT

Mailing Address: 3060 S. 27th Ave. Phoenix AZ. 85009-6810
(STREET) (CITY) (STATE) (ZIP)

Applicants Signature: Bruce E. Henning

PERMIT NUMBER: 991614 DATE ISSUED: 6-8-99 BY: MD

RECEIPT NUMBER: AS1266 AMOUNT: \$ 225

mg 270 system

9916:4

INSPECTION RECORD

SEPTIC TANK

() Concrete. (X) Fiberglass. () Polyethylene

OS dimensions: L _____ W _____ D (liq.) _____

Capacity: 1050 gallons *Traffic 10' risers*

SEPTIC TANK SETBACK *steel rings*

DISTANCE FROM: Foundation _____

* () Lot line () Easement (N) (S) (E) (W)

Water Line _____; Well _____; Wash _____

Driveway _____; Pool _____; Other _____

DISPOSAL AREA

() Seepage pit () Drainwall; Number _____

Dimensions: _____ X _____ or Diameter: _____

DEPTHS

Overall		Effective	
#1 <u>18</u>	#2 <u>18</u>	#1 <u>12'</u>	#2 <u>12'</u>
#3 _____	#4 _____	#3 _____	#4 _____

() Leach Bed () Trenches () Other _____

No. Lines 2 Engineered Plans Attached? Y (N)

Length 78 Width 3' Overall Depth 18'

Rock/Fill Depth: Top 1' Bottom _____

D-Box: # _____; Level? (Y) (N); Material concrete

DISPOSAL AREA SETBACKS

**Minimum pit/trench separation? (Y) (N) _____

Distance From: Foundation: 100'

*Lot Line/Easement: 10' (N) (S) (E) (W)

Septic Tank: 63' Water Line: 100'

Well: _____ Wash/Swale: 100'

Driveway: 75' Other: _____

APPROVAL DATE: 10-6-99

BY: U.K.Y. #145 C.S. EHS

INSPECTION # 1 APPROVED? Y N

BY: On DATE: 23 Sept REMARKS:

Disposal area is 79' long 14' wide and 12 or 14' deep depending on where grad is, 52' from tank.

INSPECTION # 2 APPROVED? Y N

BY: JO DATE: 9/29/99 REMARKS:

TANK OK

INSPECTION # 3 APPROVED? (Y) N

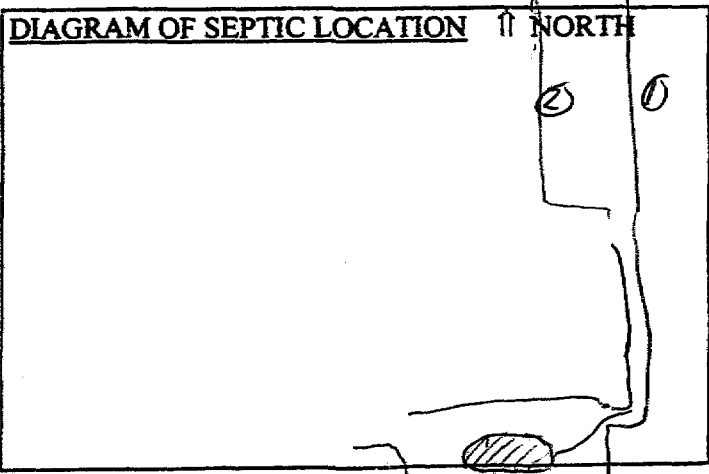
BY: K.F. DATE: 10-6-99 REMARKS:

45 Per Surveyed Plans!

INSPECTION # 4 APPROVED? Y N

BY: _____ DATE: _____ REMARKS:

ADDITIONAL FEES DUE @ \$70 PER INSPECTION.



*50' SETBACK REQUIRED FOR LOTS SUPPLIED BY PRIVATE OR SEMI-PUBLIC WELLS
 **FOR MULTIPLE TRENCHES SHOW SETBACKS ON DIAGRAM.
 U:\WWW\SEPTIC\INSP_REC.DOC

FAX: 480-506-6925

SPEEDIE AND ASSOCIATES

SERIAL NO. 11055

PROJECT NO. 990872TA

STANDARD DS 2471 ADS _____ DATE 9-29-99

TECHNICIAN W Taylor

COUNTS MS 70.2 AMS _____ PAGE 1 OF 1

TEST #	ELEV	TEST LOCATION	M/G	D/G	WD (PS)	MAT	OPT HCST	MAX DENS	K/M	DFY DENS	% COMP	SPEC CONC
1	LIFT	Leach Field Center 70' N OF T	83	558	144.7	B-Z	7.4 TIG	133.1 172.7	8.9	129.5	97.3	95/ P
<p>MIKE: 1/2nd of pay to allow saddle house to be 200' plus from tank or it will have minimal use per city. M.P. 6-4-99</p> <p>NEED THIS AS SOON AS POS, 6/7</p> <p>MILTA: I have no problem with 200' if adequate cleanouts ARE provided per city requirements. Mike</p>												

Post-it® Fax Note 7671		Date	# of pages
To <u>John</u>	From <u>Crasby</u>		
Co./Dept. <u>Maricopa County</u>	Co. <u>Valley Rain</u>		
Phone #	Phone # <u>480-894-2835</u>		
Fax # <u>602-506-6925</u>	Fax # <u>480-966-1450</u>		

PERCOLATION TEST SUMMARY SHEET

Project Location: Skunk Creek Landfill, Cell 6
3165 W. Happy Valley Road
Phoenix, Arizona

Site Description:

The site is currently under construction for the development of a new disposal cell for the Skunk Creek Landfill. Proposed site development includes the construction of a scale house and administrative building. The site is surrounded on the north and east by vacant land, on the south by Happy Valley Road, and on the west by Skunk Creek. On-site surface drainage appears to be towards the south-southwest. There are no washes, ponds, streams, or standing water depressions on the site.

Date Test Holes Were Prepared: 3/9/99 Depth of Holes: 12 inches
Method of Scratching Sidewalls: Hand Tools

Date of Presoak: 3/9/99
Time of Initial Water Filling: 1:45 p.m.
Depth of Initial Water Filling: 12 inches

Date of Percolation Tests: 3/10/99
Maximum Water Depth During Testing: 6 inches
Percolation Test Readings Recorded By: Jenny Vitale

Percolation Test

EMCON performed the percolation tests at the subject site per the standards outlined in ADEQ Engineering Bulletin No. 12. Prior to conducting the percolation tests, a backhoe was used to excavate both a primary trench and a reserve trench. The primary and reserve trenches were approximately 25 feet in length and had one bench at one end of the trench at 8 feet below ground surface (bgs). The depth of the percolation benches was determined based on the proposed location and design constraints of the septic system. Hand tools were used to dig a 12 x 12 x 12 inch hole at the base of each bench. Loose soil particles and smeared soil surfaces were removed from each hole. Each hole was presoaked per ADEQ Engineering Bulletin No. 12 guidelines. Upon completing presoaking activities, EMCON conducted simultaneous percolation tests at the site per ADEQ Engineering Bulletin No. 12.

Field Soil Analysis:

The primary and reserve soil profile trenches were excavated to a depth of approximately 12 feet bgs. The table provided below summarizes the various soil types encountered within each trench at the depths indicated. Soil type information at depths greater than 12 feet bgs were verified by the on-site engineer using the new landfill cell excavation located approximately 100 feet west of the profile trenches. Based on observation within the new landfill excavation, the soil type encountered to a depth of approximately 18 feet bgs is comprised of a silty sand with medium to large gravels and cobbles. Groundwater was not encountered within the landfill excavation, which extend to a depth of approximately 50 feet bgs.

Soil Type Summary

Trench Location	Depth (inches)	Soil Type
Primary	0-12	Fill material
Primary	12-36	Sandy silt with small subangular and subrounded gravels
Primary	36-96	Silty sand with small to medium subangular to subrounded gravels, trace clays
Primary	96-144	Silty sand with medium to large subangular to subrounded gravels and cobbles present, trace clays
Reserve	0-12	Fill material
Reserve	12-96	Silty sand with small to medium subangular to subrounded gravels, trace clays
Reserve	96-144	Silty sand with medium to large subangular to subrounded gravels and cobbles present, trace clays

PERCOLATION TEST DATA SHEET
PERCOLATION TEST
PERFORMED 3/10/99

Location	Bench	Hole ID	Test No.	Start Time	End Time	Time Interval*	Drop Percolation Rate**
Primary Trench	8 Foot	P8	1	9:05	9:24	19	19
			2	9:25	9:47	22	22
			3	9:48	10:09	21	21
Reserve Trench	8 Foot	R8	1	9:10	9:30	20	20
			2	9:31	9:50	19	19
			3	9:51	10:13	22	22

Notes: * - time interval presented as total minutes
 ** - drop percolation rate presented in minutes per inch

PERCOLATION RATE TO BE USED TO DESIGN SYSTEM

25 MIN/IN

SITE SUMMARY SHEET

Legal Description

All of Lots 2, 3 and 4; South half of the northwest quarter ($S^{1/2}NW^{1/4}$); Southwest quarter of the northeast quarter ($SW^{1/4}NE^{1/4}$); West half of the southeast quarter ($W^{1/2}SE^{1/4}$) and southwest quarter ($SW^{1/4}$); Section 2, as a parcel less the north 660 feet and the east 100 feet thereof; In Section 2, Township 4 North, Range 2 East, G&S RB&M

Plumbing Fixture Units

Scale House - 1 bathroom sink
1 toilet

Administrative Building - 1 bathroom sink
1 toilet

Total Plumbing Fixtures = **4 fixtures**

Employee Count

Scale House - 2 ppl
Administrative - 28 ppl
Total = **30 ppl**

Note: The intended use of administrative trailer is for records storage and as a "break room" for landfill employees. On any given day, as many as 28 landfill personnel may access the building.

Gallons Generated

Per ADEQ Bulletin No. 12, Table 1:

Type of Establishment - Office
Sewage Flow - 25 gallons per person per day (gpd)
Maximum Sewage Flow - (25 gpd) * (30 ppl) = **750 gal**

PERCOLATION TEST RESULTS

Based on the results of percolation tests performed on March 10, 1999 at Cell 6 of the Skunk Creek Landfill located at 3165 W. Happy Valley Road in Phoenix, Arizona, the design percolation rate for this site is 25 minutes per inch. The required effective absorption area is 1,875 square feet (ADEQ Engineering Bulletin No. 12, Table 5).

Trench Configuration Calculation

Maximum Rate of Application: 0.40 gal/ft²/day

Maximum Gallons Generated per Day: 750 gal

Required Absorption Area: $(750 \text{ gal}) / (0.40 \text{ gal/ft}^2/\text{day}) = 1,875 \text{ ft}^2/\text{day}$

Leach Line Length: $(1,875 \text{ ft}^2/\text{day}) / (12 \text{ ft}) = 156 \text{ ft}$


12' DEPTH to 6' EFF.

The recommended trench configuration for this site is 18 feet in depth with 8 feet of cover over the leach lines. This configuration will provide a 6 foot effective sidewall absorption area in the permeable strata. A total of 156 feet of trench length should be provided, configured in accordance with ADEQ Engineering Bulletin No. 12. Based on the results of the percolation tests, and the design constraints of the proposed septic system, the leach line shall be placed at a minimum depth of 8 feet below ground surface. The primary trench shall be constructed in the area in which the percolation tests were performed.

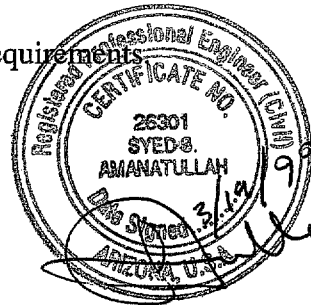
Special care should be taken to meet all State and Local requirements.

Sincerely,

EMCON



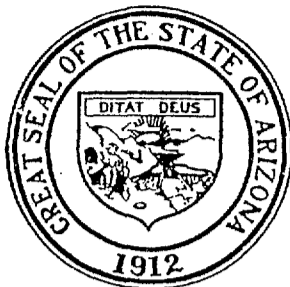
Jenny Vitale, E.I.T.
Environmental Engineer



Syed Amanatullah, P.E.
Director of Engineering Services

Comm	Forest
Adria Sv	Soil C.
Land Riv	Res Pres
Cent Pro	Data Pro
Apprais	Publica
Minerals	Title &
Res Serv	Plannin
Water Rts	Purcha

State of Arizona



PATENT NO. 6025

For "S" Lands
(School, Institutional or University)

TO ALL UNTO WHOM THESE PRESENTS SHALL COME, GREETING:

Whereas, in accordance with the provisions of law, payment in full has been received by the State of Arizona through its State Land Department for the real estate hereinafter described,

NOW, KNOW YE, That the State of Arizona in consideration of the premises, and in conformity with law hereby does sell, grant and convey unto

CITY OF PHOENIX

A MUNICIPAL CORPORATION OF THE STATE OF ARIZONA

of the County of MARICOPA, State of ARIZONA, the following described real estate situate in the County of MARICOPA, State of Arizona, to-wit:

ALL OF LOTS 2, 3 AND 4; SOUTH HALF OF THE NORTHWEST QUARTER (S $\frac{1}{2}$ NW $\frac{1}{4}$); SOUTHWEST QUARTER OF THE NORTHEAST QUARTER (SW $\frac{1}{4}$ NE $\frac{1}{4}$); WEST HALF OF THE SOUTHEAST QUARTER (W $\frac{1}{2}$ SE $\frac{1}{4}$) AND SOUTHWEST QUARTER (SW $\frac{1}{4}$); SECTION 2, AS A PARCEL LESS THE NORTH 660 FEET AND THE EAST 100 FEET THEREOF; IN SECTION 2, TOWNSHIP 4 NORTH, RANGE 2 EAST, G&SRB&M,

THE STATE OF ARIZONA RESERVES ALL OIL, GAS, METALS AND MINERAL RIGHTS AND FURTHER THIS SALE IS SUBJECT TO THE FOLLOWING CONDITIONS, RESERVATIONS, REVERSIONS AND STIPULATIONS:

A. CONDITIONS, RESERVATIONS, REVERSIONS AND STIPULATIONS

THE LAND CONVEYED HEREIN SHALL BE FOR THE EXPRESS USE AND PURPOSE OF A PUBLIC PARK AND RECREATION AREA TO BE DEDICATED AND USED FOR THAT PURPOSE FOREVER FROM AND AFTER THIRTY-FIVE (35) YEARS FROM THE DATE OF THE PATENT ISSUED PURSUANT HERETO OR SUCH EARLIER DATE AS HEREINAFTER PROVIDED, WITH THE UNDERSTANDING HOWEVER THAT SAID APPLICANT MAY USE SAID LAND FOR SANITARY LANDFILL PURPOSES PRIOR TO ESTABLISHMENT OF SUCH PARK AND RECREATION AREAS, ALL OF SAID USES AND THE TITLE TO SAID PROPERTY TO BE SUBJECT TO THE HEREINAFTER CONTAINED CONDITIONS, SUBSEQUENT BEING TIMELY MET AND PERFORMED, WITH THE TITLE AND POSSESSION TO SAID PROPERTY TO REVERT TO THE STATE OF ARIZONA IN TRUST FOR THE BENEFICIARY TO WHICH THE EARNINGS FROM SAID LANDS ARE NOW DIRECTED UPON FAILURE OF THE GRANTEE, CITY OF PHOENIX, TO PERFORM THE SAID CONDITIONS SUBSEQUENT AS SET FORTH HEREINBELOW RESERVING, HOWEVER, TO THE SAID TRUST AND THE STATE OF ARIZONA THE EXPRESS RIGHT TO ELECT TO ENFORCE SPECIFIC PERFORMANCE OF THE CONDITIONS SUBSEQUENT CONTAINED IN THIS AGREEMENT IN LIEU OF SAID REVERSION, AND ANY ADULT RESIDENT OF THE STATE OF ARIZONA SHALL BE DEEMED TO HAVE A RIGHT TO SUE IN BEHALF OF THE STATE TO ENFORCE THE PROVISIONS HEREOF.

BY ACCEPTING SUCH LIMITED TITLE TO THE ABOVE DESCRIBED PROPERTY THE CITY OF PHOENIX, COUNTY OF MARICOPA, STATE OF ARIZONA, FURTHER AGREES TO THE FOLLOWING CONDITIONS, RESERVATIONS, REVERSIONS AND STIPULATIONS AS CONDITIONS SUBSEQUENT IMPOSED ON THIS GRANT AND CONVEYANCE, TO-WIT:

containing 359.72 acres, more or less, subject to existing reservations, easements, or rights-of-way heretofore legally obtained and now in full force and effect.

TO HAVE AND TO HOLD said property together with all the rights, privileges, immunities and appurtenances of whatsoever nature thereunto belonging unto said Patentee, its heirs, successors and assigns forever.

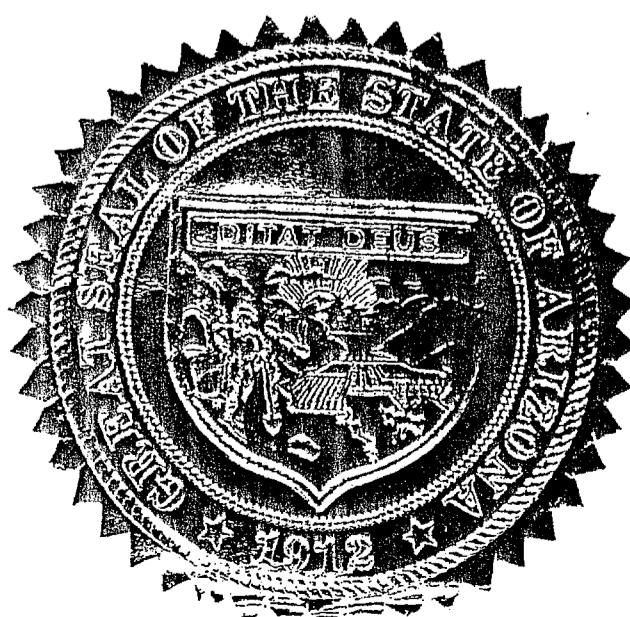
In Testimony Whereof, I JACK WILLIAMS Governor of the State of Arizona, have caused these letters to be made patent, and the Great Seal of the State of Arizona to be hereunto attached.

Given under my hand at the City of Phoenix, Arizona, this 14th day of April A. D. 1972

Jack Williams
Governor of the State of Arizona

Masley Robin
Secretary of State of the State of Arizona

Attest:



RECEIVED
ENGINEERING DEPT.
APR 15 1972

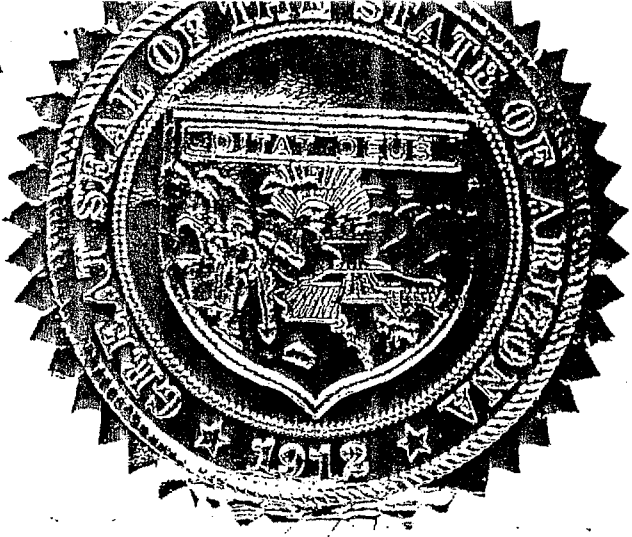
DCX 9701 PAGE 145

14th day of April, A. D. 1972

John Williams
Governor of the State of Arizona

Wesley Robinson
Secretary of State of the State of Arizona

Attest:



DOCK 9701 PAGE 145

that the within named instrument was recorded at request of PHOENIX CITY OF
Docket 9701 Page 142-144 Records of Maricopa Co., Arizona
I, PAUL N. MARSTON, Maricopa County Recorder, By Deputy
WITNESS my hand and official seal the day and year aforesaid.

- 1.- THE LANDFILL OPERATION SHALL BE COMPLETED BY THE CITY OF PHOENIX, COUNTY OF MARICOPA, STATE OF ARIZONA AND SHALL COMMENCE IN AREA I AS SHOWN ON THE PHOTO SCHEME ATTACHED HERETO AND MADE A PART HEREOF AND SHALL CEASE THEREIN NOT LATER THAN SIX YEARS FROM THE DATE OF PATENT TO THE ABOVE DESCRIBED LAND, AND THE LANDFILL OPERATION SHALL SEQUENTIALLY PROCEED TO AREAS 2, 3, 4, 5 AND 6 AND CEASE THEREIN NOT LATER THAN THIRTY (30) YEARS FROM THE DATE OF THE CERTIFICATE OF PURCHASE ON WHICH THIS PATENT IS BASED.
- 2.- EACH PHASE OF THE LANDFILL OPERATION SHALL BE COMPLETED TO GRADE BEFORE ADVANCING TO THE NEXT NUMBERED PHASE. AS EACH PHASE IS COMPLETED THE AREA WILL BE MADE AVAILABLE TO THE PUBLIC FOR PARK PURPOSES.
- 3.- NO PART OF THE PROPOSED LANDFILL OPERATION SHALL BE CONDUCTED WITHIN 100 FEET OF THE RIGHT OF WAY LINE OF ANY PUBLIC ROAD WHICH MAY BOUND OR CROSS AT ANY POINT PROPERTY OR PROPERTIES ACQUIRED HEREBY BY THE SAID CITY OF PHOENIX.
- 4.- THE LANDFILL SHALL BE CONSTRUCTED TO CONTOURS DESIGNED TO PROVIDE A FINAL SURFACE CONSISTENT WITH ULTIMATE USE AS A CITY PARK.
- 5.- THE LANDFILL CONTOURS SHALL BE DESIGNED BY A LANDSCAPE ARCHITECT TO PROVIDE SLOPING SURFACES COMPATIBLE WITH THE SURROUNDING TERRAIN.
- 6.- PURSUANT TO THE REGULATIONS OF THE STATE OF ARIZONA AND THE COUNTY OF MARICOPA, THE CITY OF PHOENIX SHALL FILE WITH THE SAID AGENCIES AND WITH THE OFFICE OF THE STATE LAND COMMISSIONER AN ENGINEERING PLAN SETTING FORTH IN DETAIL THE PROPOSED AREAS OF LANDFILL, THE DIMENSIONS, DEPTHS AND HEIGHTS OF THE SAME, AS PLANS ARE COMPLETED. CONTOURS SHALL BE COMPLETED AND SUBMITTED FOR EACH PHASE WITHIN 90 DAYS AFTER STARTING AND FILLING ON THAT PHASE.
- 7.- THE CONSTRUCTIONS OF THE SANITARY LANDFILL SHALL BE SCREENED FROM VIEW BY DIKES NOT LESS THAN TEN FEET ABOVE EXISTING GROUND, COMBINED WITH LANDSCAPE VEGETATION, SCREENING OR FENCING. SUCH DIKES SHALL BE CONSTRUCTED PRIOR TO STARTING THE ADJACENT SANITARY FILL AND LANDSCAPE PLANTING SHALL BE INSTALLED WITHIN ONE YEAR OF DIKE CONSTRUCTION AND THEREAFTER WATERED AND MAINTAINED. SLOPES WHICH ARE TO BE LANDSCAPED ON DIKES SHALL BE NOT STEEPER THAN FIVE FEET HORIZONTAL TO ONE FOOT VERTICAL.
- 8.- THE OPEN FACE OF ANY LANDFILL AREA SHALL NOT EXCEED APPROXIMATELY 350 FEET IN WIDTH.
- 9.- THE USE OF THE PROPERTY AS A PARK AND THE LANDFILL OPERATIONS SHALL BE MADE TO ALLOW THE CONTINUED FLOW OF WATERS OF SKUNK CREEK THROUGH THE PROPERTY IN A MANNER WHICH IS NOT INCONSISTENT WITH THE PLANS AND REGULATIONS OF THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, STATE OF ARIZONA, AND ALL LIABILITY ACCRUING BY VIRTUE OF OCCUPATION AND USE OF SAID PROPERTY BY THE CITY OF PHOENIX SHALL BE ASSUMED BY SAID CITY ONLY AND THE STATE OF ARIZONA, AND THE RELATED TRUST SHALL BE HELD HARMLESS AND MADE WHOLE BY SAID CITY FOR ANY LOSS INCURRED BY SAID STATE OR TRUST BY REASON OF SAID CITY'S USE AND OCCUPATION OF THE LAND.
10. AS EACH PHASE OF LANDFILL IS COMPLETED, THE AREA WILL BE LANDSCAPED EITHER TO A GRASS COVER OR NATURAL DESERT PLANTINGS AND ANY NECESSARY IRRIGATION FOR SPRINKLING SYSTEMS AND FERTILIZER AND FILL NECESSARY, SHALL BE COMPLETED AT NO EXPENSE TO THE STATE OF ARIZONA WITHIN EIGHTEEN MONTHS AFTER CESSATION OF USE OF EACH AREA AS A LANDFILL SITE.
- 11.- THE LANDFILL SHALL BE LIMITED TO USE FOR DISPOSAL OF SOLID WASTE ONLY.
- 12.- THE SANITARY LANDFILL SHALL BE CONSTRUCTED AND OPERATED IN ACCORDANCE WITH THE LAWS AND REGULATIONS OF THE COUNTY HEALTH DEPARTMENT, MARICOPA COUNTY, STATE OF ARIZONA, AND IN ALL SITUATIONS WHERE THOSE LAWS AND REGULATIONS ARE MORE OR MAY HEREAFTER BECOME MORE RESTRICTIVE THAN THE PROVISIONS OF THIS ORDER THE MORE RESTRICTIVE PROVISIONS SHALL GOVERN.
- 13.- BLOWING PAPER AND OTHER DEBRIS SHALL BE CONTROLLED BY FENCES AROUND THE WORK AND THE AREAS BETWEEN THE PROPERTY BOUNDARY AND THE WORKING FILL AND SUCH FENCE SHALL BE REGULARLY POLICED TO REMOVE SUCH WIND-BLOWN MATERIAL THAT FROM TIME TO TIME ACCUMULATES ON BOTH SITES THEREOF.
- 14.- THE CITY SHALL UNDERTAKE SUCH EFFECTIVE MEASURES AS ARE NECESSARY TO PREVENT EXCESSIVE DUST ON ROADS ON THE PROPERTY DURING THE LANDFILL OPERATION, AND THE LANDFILL SITES SHALL BE REACHED OVER HARD SURFACED ROADS.
- 15.- THE LANDFILL SHALL NOT EXCEED THIRTY FEET IN DEPTH ABOVE THE PRESENT GRADE OF THE 100 YEAR NON-FLOOD PLAIN LAND.
- 16.- THE RIGHT OF REVERTER OR THE POWER TO REQUIRE SPECIFIC PERFORMANCE OF THE CONDITIONS CONTAINED HEREIN AND RESERVED HEREIN ABOVE TO THE GRANTOR SHALL BE EXERCISED THROUGH THE COURTS OF PROPER JURISDICTION OF THIS STATE.

DOCK 9701 PAGE 143

DOCK 9701 PAGE 144

DEED 16987

DEED 9701 PAGE 146

PATENT

For "S" Lands
(School, Institutional or University)

No. 6025

State of Arizona
TO

City of Phoenix

251 West Washington

Phoenix, Arizona 85003

STATE OF ARIZONA }
County of _____ } ss.

This instrument was filed for record
on the _____ day of _____
A. D. 19____, at _____ o'clock _____ M.
and is duly recorded in Book _____
Page _____

Recorder

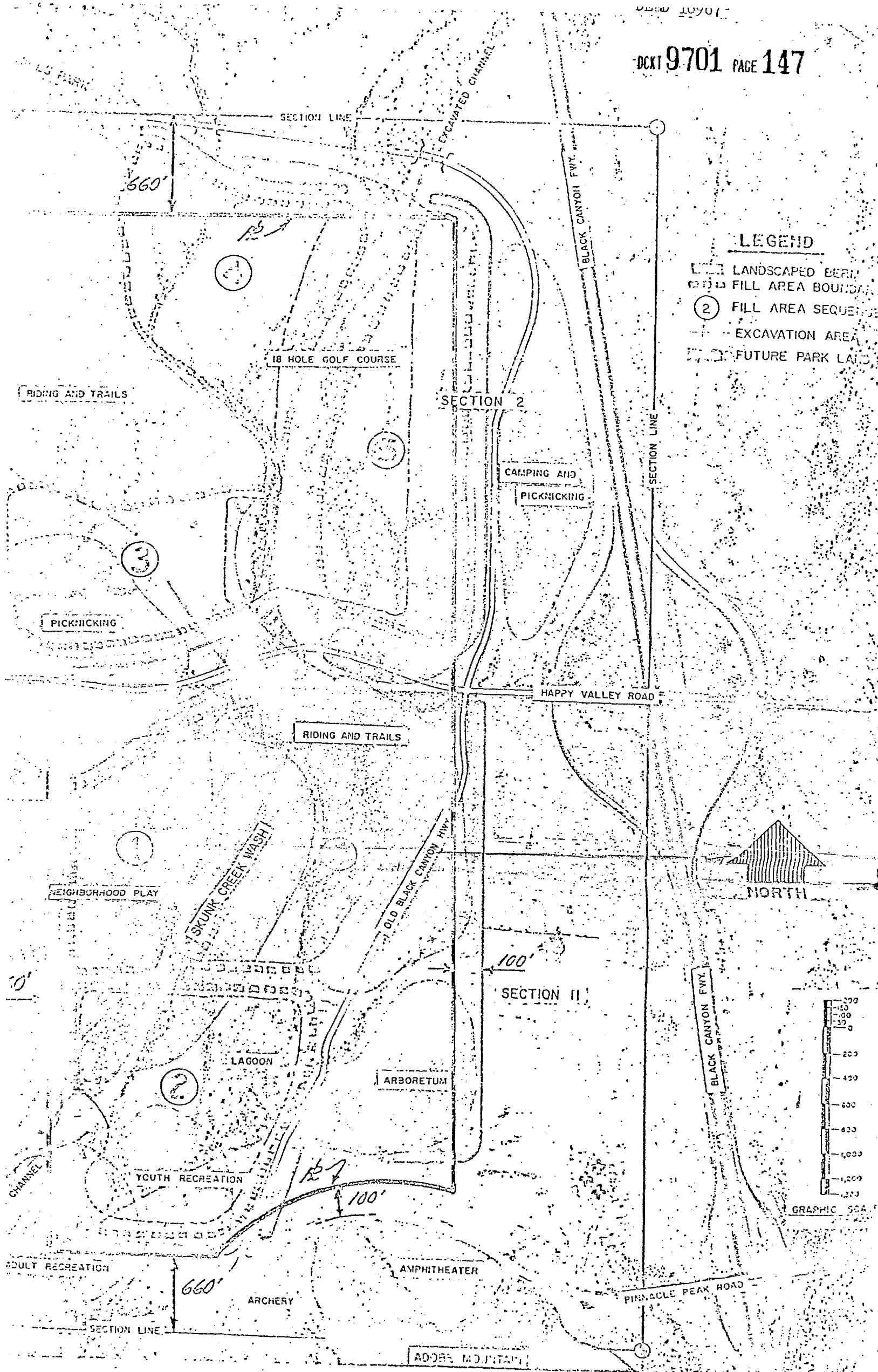
Fee \$ _____

UNITED STATES OF AMERICA)
State of Arizona) ss.

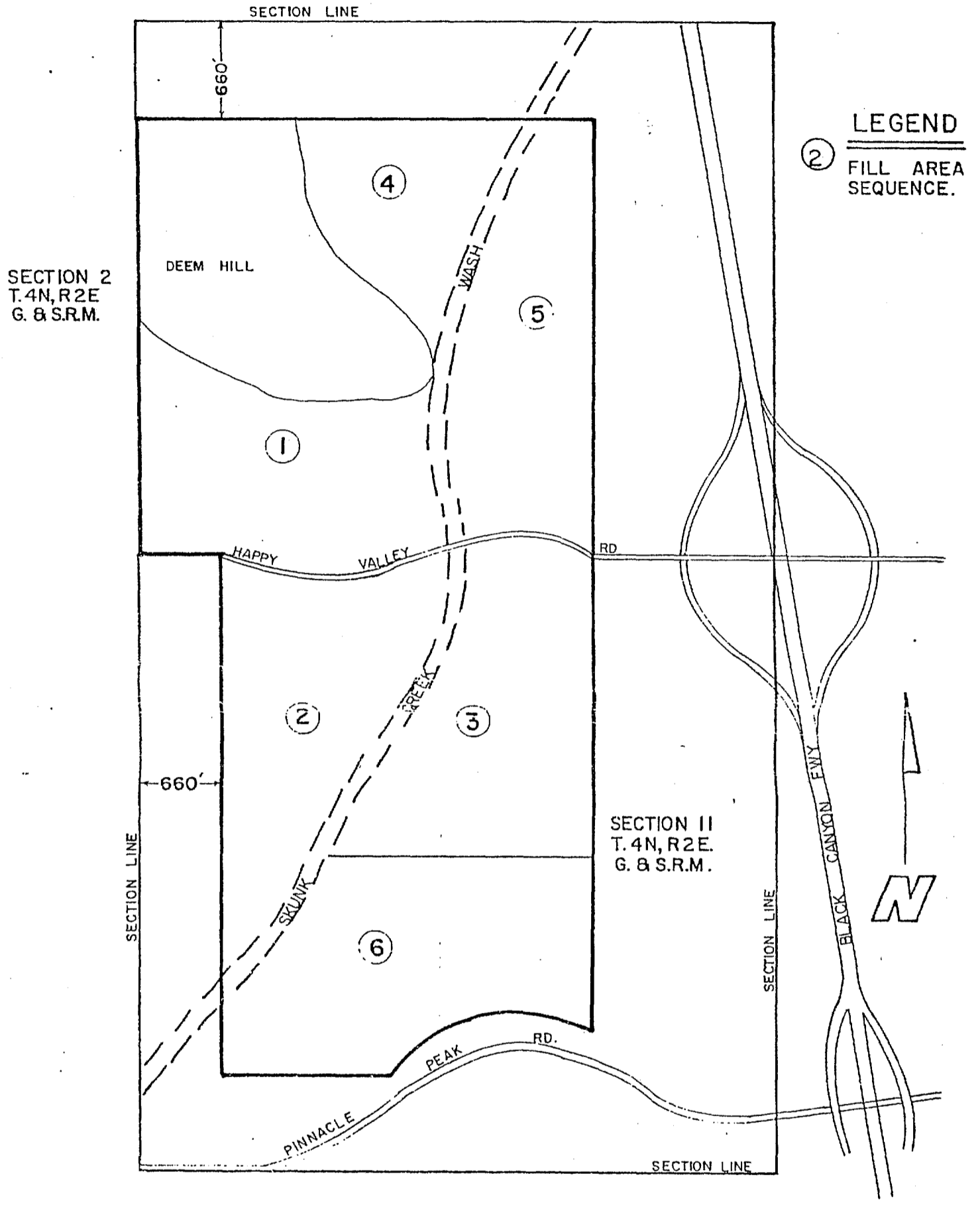
This instrument was filed for record
in the Office of the Secretary of State on
the 14th day of April A. D. 1977
at _____ o'clock _____ M. and is duly
recorded in Book P-2 of Page 404-405

WESLEY BOLIN
Secretary of State

By Wesley Bolin
Assistant Secretary of State



DEEM HILLS REGIONAL PARK LANDFILL SITE

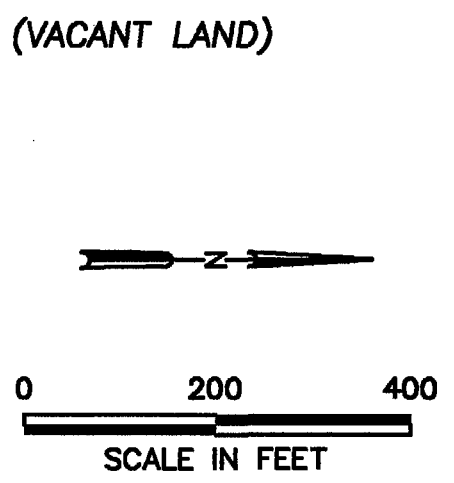
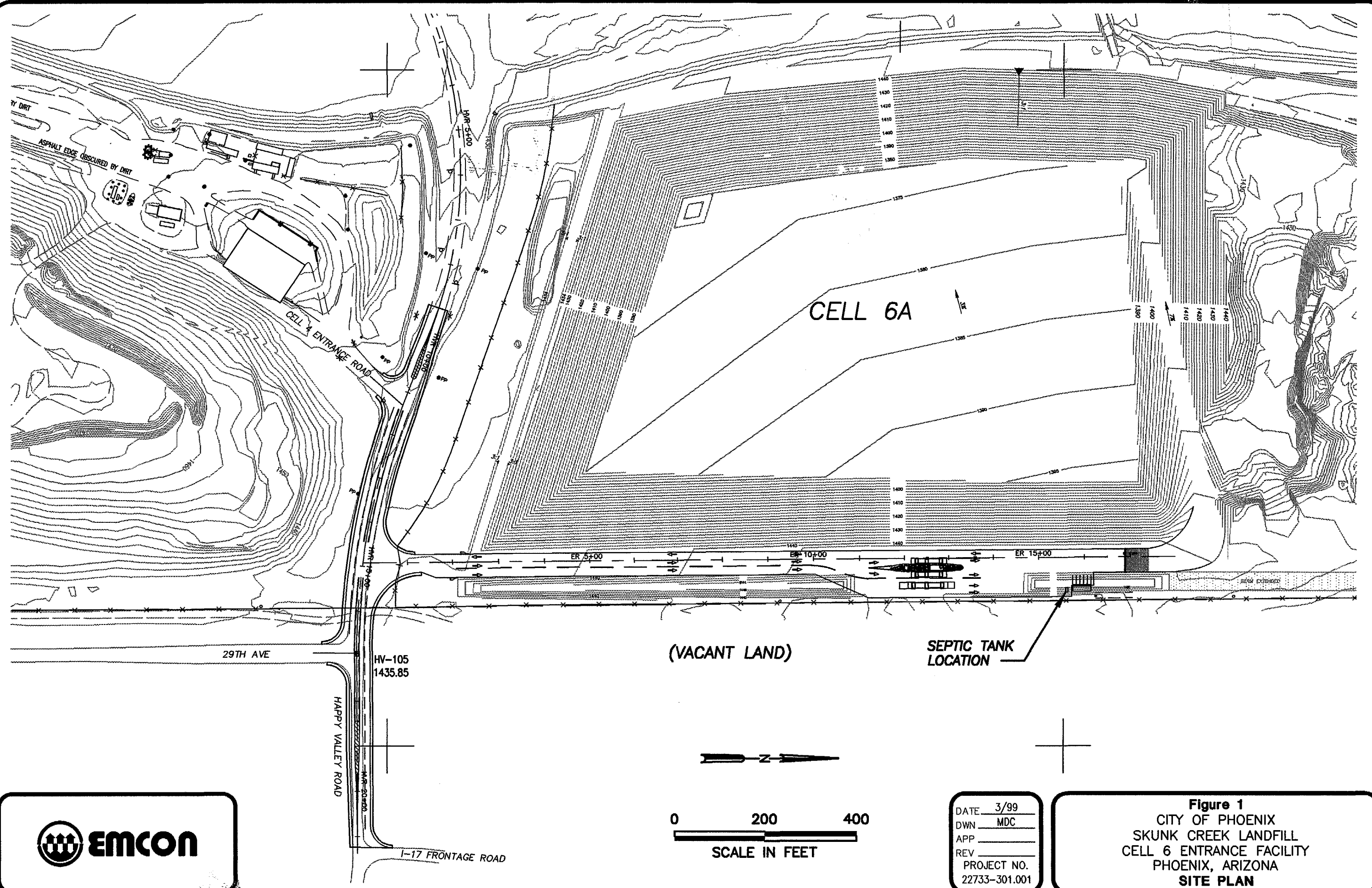


SKUNK CREEK LANDFILL & PARK SITE

REVISED PLANNING SKETCH FOR THE THIRTY
YEAR PERIOD OF DEVELOPMENT, PER ARIZONA
STATE LAND DEPARTMENT LETTER DATED
AUGUST 22, 1972

1" 1/2" 0" 1"

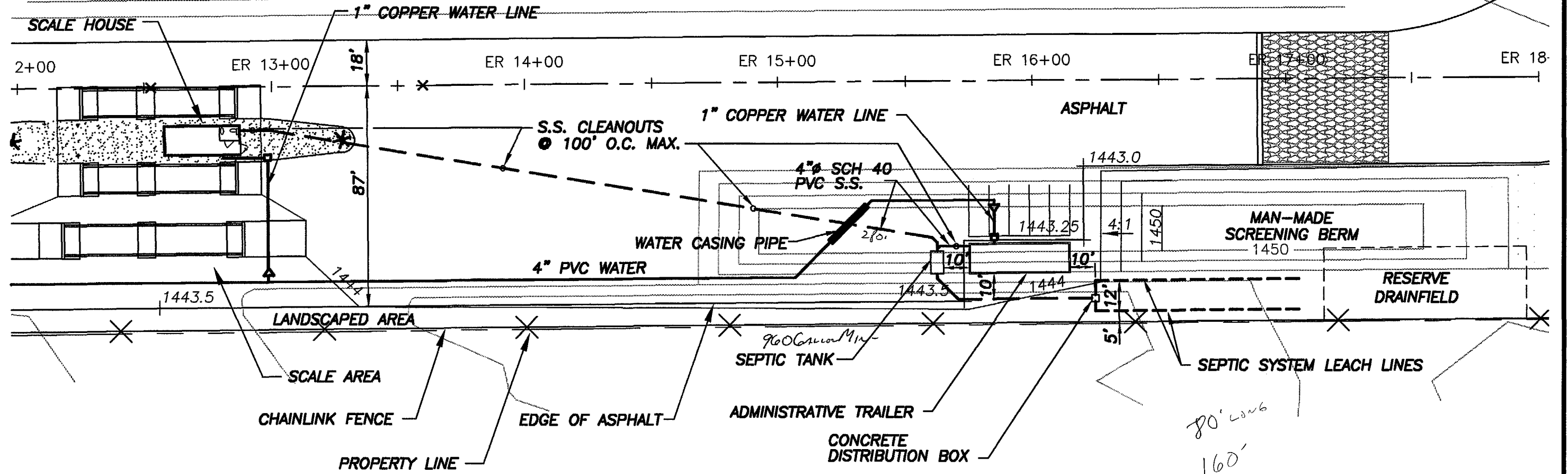
N:\DWG\COP\C6ENTR\90%\PHSSPO1.DWG XREF: ENT0P12.DWG 3/16/99 MCASE



DATE	3/99
DWN	MDC
APP	
REV	
PROJECT NO.	22733-301.001

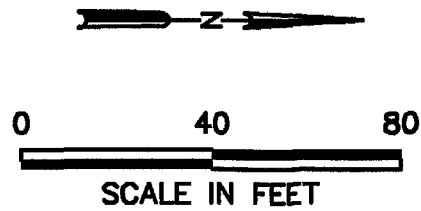
Figure 1
 CITY OF PHOENIX
 SKUNK CREEK LANDFILL
 CELL 6 ENTRANCE FACILITY
 PHOENIX, ARIZONA
SITE PLAN

LANDFILL DISPOSAL AREA



N:\DWG\COP\C6ENTR\90%\PHSSP02.DWG XREF: ENTTOP12.DWG 3/16/99 MCASE

1" 1/2" 0" 1"

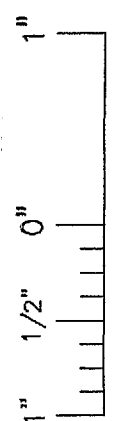
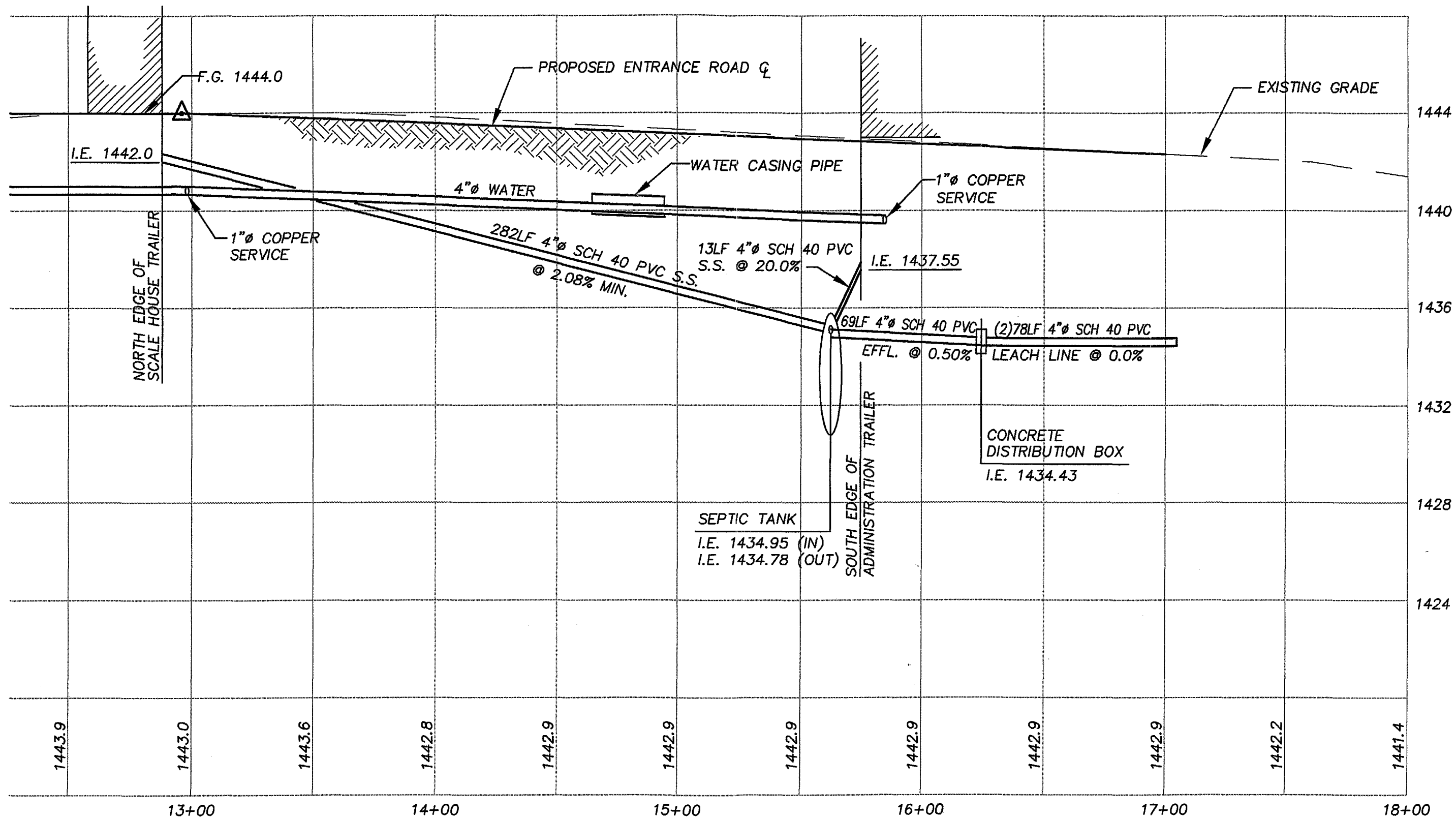


DATE	3/99
DWN	MDC
APP	
REV	
PROJECT NO.	22733-301.001

Figure 2
CITY OF PHOENIX
SKUNK CREEK LANDFILL
CELL 6 ENTRANCE FACILITY
PHOENIX, ARIZONA
SEPTIC SYSTEM PLAN

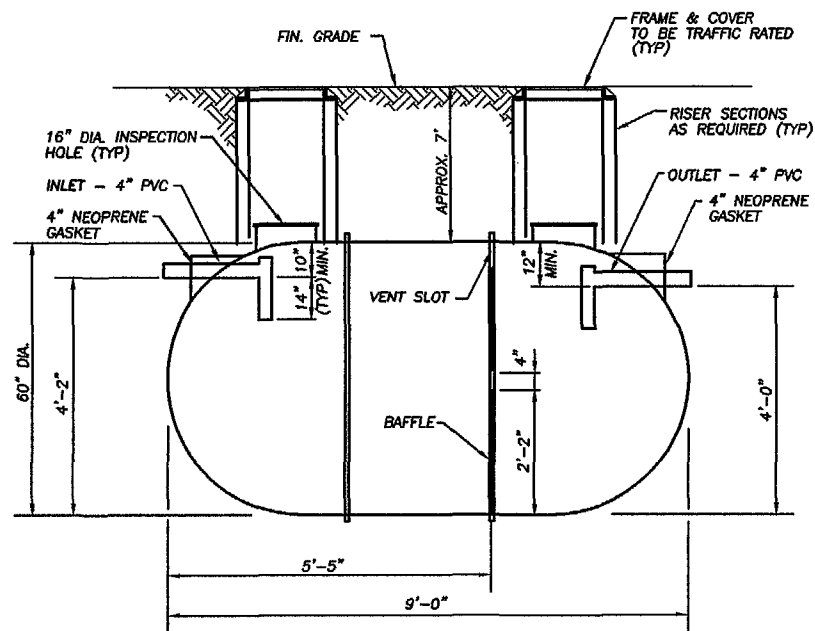
80' LONG
160'

N:\DWG\COP\C6ENTR\90%\PHSSP02.DWG XREF: ENTITOP12.DWG 3/16/99 MCASE



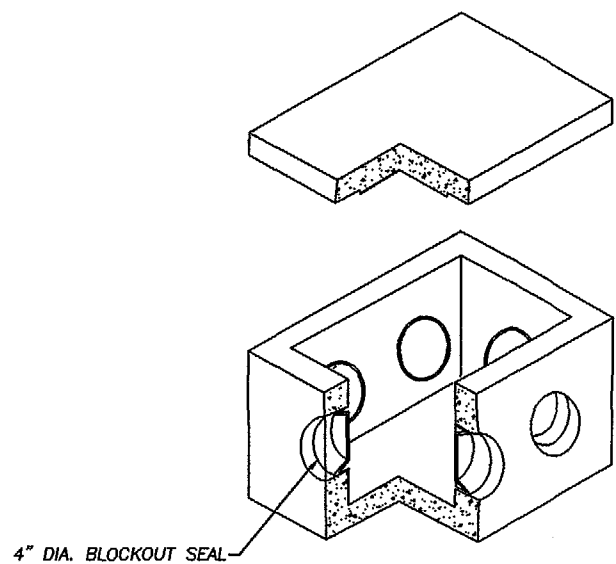
DATE 3/99
 DWN MDC
 APP _____
 REV _____
 PROJECT NO.
 22733-301.001

Figure 3
 CITY OF PHOENIX
 SKUNK CREEK LANDFILL
 CELL 6 ENTRANCE FACILITY
 PHOENIX, ARIZONA
SEPTIC SYSTEM PROFILE



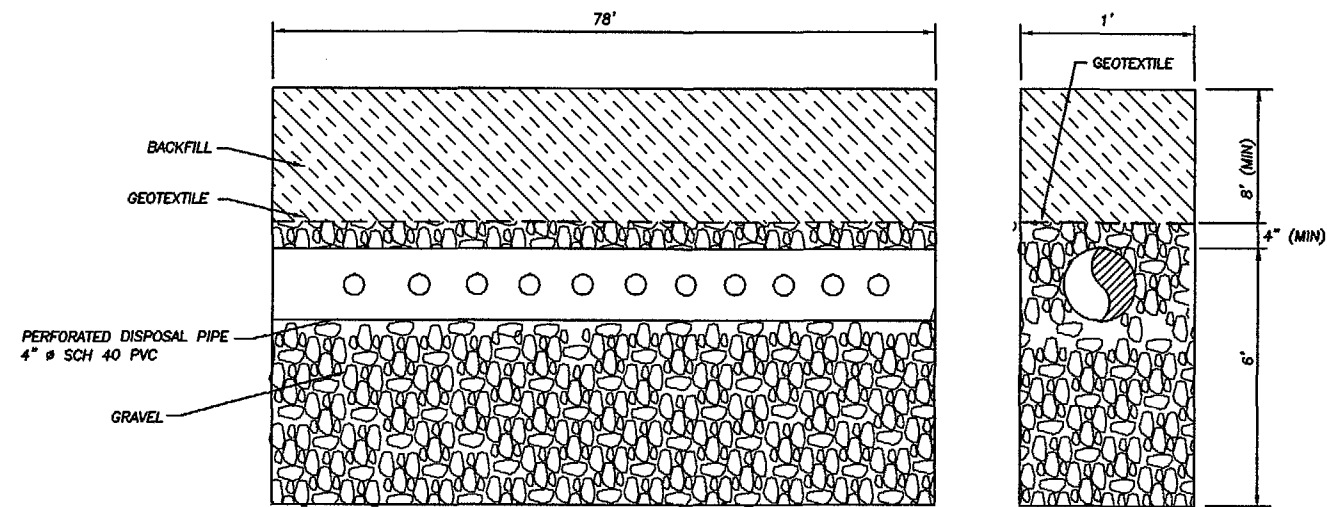
FIBERGLASS SEPTIC TANK

(1,050 GALLON)



DISTRIBUTION BOX

(CONCRETE)



SEPTIC SYSTEM LEACH LINE TRENCH

N:\DWG\COP\CENTR\90%\PHSSDT01 3/16/99 MCASE
 1" 1/2" 0" 1"



DATE 3/99
 DWN MDC
 APP _____
 REV _____
 PROJECT NO.
 22733-301.001

Figure 4
 CITY OF PHOENIX
 SKUNK CREEK LANDFILL
 CELL 6 ENTRANCE FACILITY
 PHOENIX, ARIZONA
SEPTIC SYSTEM DETAILS



City of Phoenix Fire Department

FIRE PERMIT

150 South 12th Street
Phoenix, Arizona 85034
General Information (602)262-7462

POST THIS PERMIT ON JOB SITE

Permit # **F173 0300395** Issue Date **05-FEB-2003** Expires ~~01-FEB-2013~~

Permit Description **FLAMMABLE & COMBUSTIBLE LIQUIDS**

Project **03-390** **SKUNK CREEK LANDFILL@3165 W HAPPY VALLEY**

Address **3165 W HAPPY VALLEY RD 85310** Zoning **Dist**
L * B * **Q S Q47-22 APN 205-09-002**

Description/Scope of Work: **FLAMMABLE AND COMBUSTIBLE LIQUIDS**

THIS PERMIT IS BASED ON THE H.M.I.S. DATED: 11/13/02
THE H.M.I.S. WAS PREPARED BY: CITY OF PHOENIX
FEE GROUP: 3

**FIRE PREVENTION
COPY**

FLAMMABLE AND COMBUSTIBLE LIQUIDS: STORE, HANDLE OR USE

PERMITTEE: SKUNK CREEK LANDFILL

THIS PERMIT IS NOT TRANSFERRABLE

COPY RECEIVED BY _____ DATE 2/10/03

LARRY G. GARCIA, FIRE CAPTAIN DATE 2/12/2003

This permit certifies that the above business has met the requirements for on-site hazardous materials storage, use, and handling as prescribed by the City of Phoenix Fire Code. It is incumbent upon the permit applicant, their agents, and their employees to carry out the proposed activities in compliance with all City Ordinances. This permit is based on a specific hazardous material inventory statement and/or specific construction and installation permits. This permit shall not be construed as authority to violate, cancel or set aside any provision of City of Phoenix Codes or Ordinances. Permits that purport to sanction a violation of any applicable law or regulation shall be void. Approval of the permit for this site is conditional upon inspection of the premises by the Phoenix Fire Department. This certificate shall be posted in a conspicuous location on the premises.

Valuation: \$0

Owner Information

Name **CITY OF PHOENIX**

Fax
Phone

Certificate of
Occupancy Type: **COFC**

Address

Contractor Information

Instructions and Comments

Permit Issued By BMIT

Entered By BMIT

Inspections Required: **FIRE**



City of Phoenix
Fire Department

FIRE PERMIT

150 South 12th Street
Phoenix, Arizona 85034
General Information (602)262-7462

POST THIS PERMIT ON JOB SITE

Permit # **F217 0300858** Issue Date 11-MAR-2003 Expires 10-MAR-2004
Permit Description 2301 W. BROADWAY RD.
Project 03-830 ONYX ENIRONMENTAL

Address NOT FOUND Zoning

Description/Scope of Work: HAZARDOUS MATERIAL TANK REMOVAL
PERMIT FOR THE REMOVAL OF *** 4-6k *** GALLON HAZARDOUS MATERIAL STORAGE TANKS AND CLOSE FACILITY

CONTRACTOR:

THIS PERMIT IS NOT TRANSFERRABLE

COPY RECEIVED BY _____ DATE _____
[Signature] 11 MAR 2003
ISSUED BY _____ DATE _____

FIRE PREVENTION
COPY

Valuation: \$0 Str Class 900 Units 0 Sq.Ft. 0 Cnst Occ

Owner Information
Name _____
Address _____
Certificate of Occupancy Type: **COFC**

Contractor Information
Name OWNER Type OWN Contact Phone _____
Address _____ Ins _____ Exp _____
City/St/Zip _____ Phone _____

Instructions and Comments Permit Issued By EDE Entered By EDE

FIRE _____



City of Phoenix

FIRE DEPARTMENT
FIRE PREVENTION

111P

HAND CARRY

November 22, 2002

Theresa Foster
Environmental Programs Coordinator
City of Phoenix – Public Works Department
101 S. Central Ave., 4th Floor
Phoenix, AZ 85004

REF.: **Notice of Fire Code Violations – Public Works Department, Skunk Creek Landfill
3165 W. Happy Valley Road**

The Phoenix Fire Code is the 1997 Uniform Fire Code, as adopted and amended by the City of Phoenix. Pursuant to Phoenix Fire Code (PFC) Section 103.4.2, this letter serves as notice of fire code violations observed by members of the Phoenix Fire Department. The violations were documented during an inspection of the referenced location performed on October 30, 2002. The following documents the violations that were observed by the Fire Department staff at 3165 W. Happy Valley Road.

No.	Violation	Compliance Date	PFC Section No.	Violation Corrected
1.	12,000 Gal. Diesel Storage Tank: A hose designed for vapor recovery service is used for filling the tank. The indicated hose is not designed for the transfer of diesel fuel. Obtain a hose that is listed or approved for liquid diesel fuel service.	January 3, 2003	7904.5.1.13	12/30/02
2.	1,000 Gal. Gasoline Storage Tank: The tank is equipped with an emergency vent that with a rated flow capacity of 74,700 Standard Cubic Feet per Hour (SCFH). The tank diameter is 46-inches and 144-inches in length. Based on the wetted area of the tank and the calculation method in PFC Section 7902.2.6.3.1, the current emergency vent is not adequate. This tank requires an emergency vent with a minimum flow rate of 131,250 SCFH. Provide an emergency vent on the storage tank that can discharge a minimum flow rate of 131,250 SCFH.	January 3, 2003	7902.2.6.1	Reading complete 1/31/03
3.	Shop Area: Provide a fusible link on the closure lid for the Safety Kleen parts washing machine. The operating temperature of the link shall be in accordance with the	January 3, 2003	7903.2.2.3.1	12/30/02

No.	Violation	Compliance Date	PFC Section No.	Violation Corrected
	Underwriter Laboratories listing for the parts washing machine.			
4.	<p>Fire Hose Cabinets: PFD researched the edition of the Phoenix Fire Code that was applicable at the time that the transfer station building was constructed. The applicable Fire Code at the time of construction did not require the installation of the hose cabinets. The current installation requires that each cabinet be directly connected to a fire hydrant.</p> <p>The cabinet installations interfere with the Fire Department's ability to use the hydrants. The installation is not correct because these cabinets should have connected to a private fire protection water main.</p> <p>The hose cabinets shall be removed from service.</p>	January 3, 2003	1001.7.1	12/30/02

This is an official notice of violations and corrections are required within the specified time frame. Failure to comply with these requirements may lead to additional legal action. Noncompliance with Ordinance G-4160, the Phoenix Fire Prevention Code of the City of Phoenix, is a Class 1 misdemeanor punishable by a fine not to exceed Two Thousand Five Hundred Dollars or imprisonment not exceeding six months, or both.

Pursuant to PFC 103.1.3.1, City of Phoenix Public Works Department may appeal any of the violations presented in this report. Appeals must be filed in writing to the Chief of the Bureau of Fire Prevention within 15 days of the day of this report.

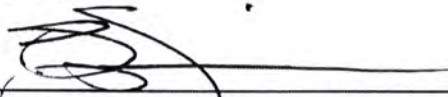
If additional time is required, requests for extension must be submitted in writing in care of the letterhead address. The time extension shall indicate the reason for the desired extension and the date that the corrections for the reference violation(s) will be completed.

If you have additional questions please contact Fire Captain Larry Garcia at 602-534-6559.

RECEIVED BY:

Date Dec. 4, 2002

INSPECTOR:



~~Fire~~ Larry Garcia (D-Shift Special Hazards Program)



To: Captain Larry Garcia
Special Hazards Program, Phoenix Fire
Department

Date: January 31, 2002

From: Environmental Programs Coordinator, Public Works Department

Subject: Phoenix Fire Department Recommendations at the Skunk creek landfill

Of the four recommendations that were identified on October 30, 2002 during a courtesy inspection at the Skunk Creek Landfill, three have been corrected with Fire Department staff stating that the issues had been resolved. A thirty-day extension was requested and received on the fourth and final issue, which was the installation of a larger emergency vent on the 1,000-gallon unleaded above ground fuel storage tank. At this time, all issues identified by the Fire Department staff have been resolved.


No.	Issue	PFC Section No.	Issue Corrected or Comments
2	<p>1,000 Gal. Gasoline Storage Tank: The tank is equipped with an emergency vent that with a rated flow capacity of 74,700 Standard Cubic Feet per Hour (SCFH).</p> <p>The tank diameter is 46-inches and 144-inches in length. Based on the wetted area of the tank and the calculation method in PFC Section 7902.2.6.3.1, the current emergency vent is not adequate. This tank requires an emergency vent with a minimum flow rate of 131,250 SCFH.</p> <p>Provide an emergency vent on the storage tank that can discharge a minimum flow rate of 131,250 SCFH.</p>	7902.2.6.1	<p>Completed: A second 6-inch opening and the required emergency vent has been installed on the tank as well on January 17th by Compliance Management Inc.</p> <p><i>Confirmed By: Capt. Larry Garcia 1/31/02</i></p>



City of Phoenix

To: **Captain Larry Garcia**
Special Hazards Program
Phoenix Fire Department

Date: December 30, 2002

From: 
Environmental Programs Coordinator, Public Works Department

Subject: REQUEST FOR EXTENSION FOR PHOENIX FIRE DEPARTMENT ISSUES AT THE SKUNK CREEK LANDFILL

The Public Works Department is requesting a 30-day extension for correcting the issues that were identified by the Phoenix Fire Department during a courtesy inspection at the Skunk Creek Landfill on October 30, 2002. Out of the four issues identified, three have been corrected. The fourth issue will require hiring a contractor to weld an additional 6-inch opening and install an emergency vent on the 1,000 gallon unleaded tank. This is estimated to take two weeks but due to the holidays, a request is being made to extend the deadline to February 6, 2003. It is anticipated that the original Notices of Violations will be rescinded. The following is a brief description of the steps that have been taken to date:

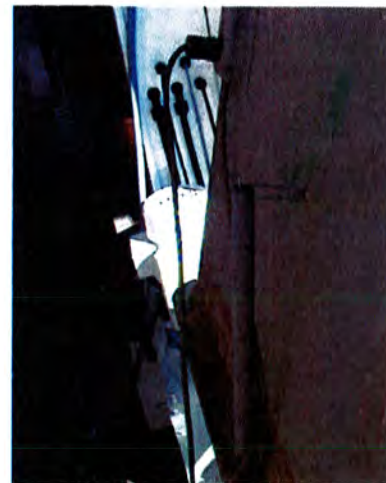
No.	Issue	PFC Section No.	Issue Corrected or Comments
1	12,000 Gal. Diesel Storage Tank: A hose designed for vapor recovery service is used for filling the tank. The indicated hose is not designed for the transfer of diesel fuel. Obtain a hose that is listed or approved for liquid diesel fuel service.	7904.5.1.13	Completed: The hose is designed for gasoline fuel delivery and was purchased approximately 13 months ago from SW Rubber Supply. Attached is a copy of the specification page from SW Rubber Supply.



No.	Issue	PFC Section No.	Issue Corrected or Comments
2	<p>1,000 Gal. Gasoline Storage Tank: The tank is equipped with an emergency vent that with a rated flow capacity of 74,700 Standard Cubic Feet per Hour (SCFH).</p> <p>The tank diameter is 46-inches and 144-inches in length. Based on the wetted area of the tank and the calculation method in PFC Section 7902.2.6.3.1, the current emergency vent is not adequate. This tank requires an emergency vent with a minimum flow rate of 131,250 SCFH.</p> <p>Provide an emergency vent on the storage tank that can discharge a minimum flow rate of 131,250 SCFH.</p>	7902.2.6.1	<p>On going: The tank has one 2-inch opening and one 6-inch opening. The one 6-inch opening is required by Maricopa County Air Quality regulations to be used for a Stage 1 Vapor Recovery drop tube and therefore cannot be removed and replaced with the emergency vent. The Public Works Department Equipment Management Division is in the process of acquiring the services of a contractor to weld and install a second 6-inch opening for the required emergency vent.</p>



Unleaded Fuel Tank



Safety Kleen Fusible Link

No.	Issue	PFC Section No.	Issue Corrected or Comments
3	<p>Shop Area: Provide a fusible link on the closure lid for the Safety Kleen parts washing machine. The operating temperature of the link shall be in accordance with the Underwrite Laboratories listing for the parts washing machine.</p>	7903.2.2.3.1	<p>Completed: Safety Kleen, the owner of the parts washer has installed the requested fusible link. See above photo. Safety Kleen Solvent has a flash point of 140 degrees F.</p>

No.	Issue	PFC Section No.	Issue Corrected or Comments
4	<p>Fire Hose Cabinets: PFD researched the edition of the Phoenix Fire Code that was applicable at the time that the transfer station building was constructed. The applicable Fire Code at the time of construction did not require the installation of the hose cabinets. The current installation requires that each cabinet be directly connected to a fire hydrant. The cabinet installations interfere with the Phoenix Fire Department's ability to use the hydrants. The installation is not correct because these cabinets should have been /connected to a private fire protection water main.</p> <p>The hose cabinets shall be removed from service.</p>	1001.7.1	<p>Completed: As indicated in the attached photos, all hose cabinets piping have been disconnected from the hydrants as of December 20, 2002.</p>



Hydrant south of Transfer Building



Hydrant north of Transfer Building

Once the fourth issue is corrected, the Public Works Department will notify you and request a confirmation inspection. If you have any questions, please call me at 534-2608.

- c. Julio Zapata w/attachments
- Bruce Henning w/attachments
- Dale Henderson w/attachments
- Mike Lopker w/attachments
- Tom Smith w/attachments
- Gregg Duckett w/attachments
- Anjila Lebsack w/attachments

FUEL SITE

PLEASE PRINT
 PLACE X ONLY IN BOXES

OCC. CLASS: _____ CITY ADDRESS NO. _____ DIR. STREET NAME _____ TYPE CITY _____ SUITE OR UNIT _____ MONTH DATE YEAR _____

INFFA CLASS: _____ GROUP INSP. NO. _____ FIRE CODE PERMITS REQ. _____ OCCUPANCY LOAD _____ # OF UNITS OR SUITES _____ PRIORITY _____ AREA OF RESPON. _____

SQ. FT. OF OCC. INSP. _____ STORIES _____ BASEMENTS _____ EMERGENCY LIGHTING _____ LOCK BOX _____ FIRE LANES _____ GUARD DOGS _____

ELEVATORS # OF _____ # WITH FIREMAN FEATURE _____ EXIT PLANS _____ EXIT DRILLS _____ STANDPIPE SYSTEM _____ HOUSE LINES _____ FIRE PUMPS _____ HOOD SYS _____

AUTOMATIC SPRINKLER SYS _____ UNSUPERVISED _____ SUPERVISOR NAME _____ PHONE _____ PREVIOUS FIRE HISTORY _____

FIRE ALARM SYSTEM YES _____ NO _____ UNSUPERVISED _____ SUPERVISOR NAME _____ PHONE _____ SEARCH WARRANT USED _____

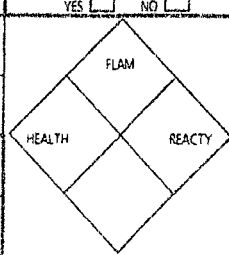
HAZARDOUS MATERIAL BUILD PLACARDED _____ EXPLOSIVES TYPE _____ EXPLOSIVES MAGAZINE _____

FLAMMABLE LIQUID LP GAS _____

AG GALS _____ UG GALS _____ AG GALS _____ UG GALS _____

RESPONSIBLE PARTY LAST _____ FIRST _____ MI _____ HOME PHONE _____ INSP HRS _____ COMPLETED INSP DATE _____

RESPONSIBLE PARTY LAST _____ FIRST _____ MI _____ HOME PHONE _____ BUILD DRAW REQUIRED _____ DRAWING COMPLETED _____



PROPERTY MANAGEMENT

OCCUPANCY NAME: **SKUNK CREEK** PHONE _____ BUSINESS OWNER'S NAME LAST _____ FIRST _____ MI _____ HOME PHONE _____

BUILD/PROPERTY OWNERS NAME LAST _____ FIRST _____ MI _____ HOME PHONE _____ INSURANCE COMPANY NAME _____ PHONE _____

RESPONSIBLE PARTY LAST NAME _____ FIRST NAME _____ MI _____ DATE OF BIRTH _____

HOME ADDRESS _____ HOME PHONE _____ STATE _____ DRIVER'S LIC NO _____ SOCIAL SECURITY NUMBER _____

THE FOLLOWING ITEMS ARE IN VIOLATION

EXIT REQUIREMENTS		HAZARDOUS MATERIALS		FIRE PROTECTION		BUILDING & GROUNDS	
1. NUMBER REQUIRED		9. STORAGE-HANDLING-USE		17. FIRE DEPARTMENT CONNECTIONS		25. DRY VEGETATION	
2. DOOR WIDTH/SWING		10. HAZARDOUS CHEMICALS		18. AUTOMATIC SPRINKLERS		26. TRASH CONDITIONS	
3. LOCKS, LATCHES		11. FLAMM/COMB LIQUIDS	X	19. AUTOMATIC EXTINGUISHING SYSTEM		27. FIRE LANES	
4. EXIT SIGNS		12. LP GAS		20. PORTABLE EXTINGUISHERS	X	28. DANGEROUS CONDITIONS	
5. POWER OPERATED DOORS		13. EXPLOSIVES		21. HYDRANTS		29. DECORATIVE MATERIALS	
6. OBSTRUCTIONS/AISLES		14. HAZ MAT APPLICATION		22. FIRE ALARM SYSTEM		30. OPEN FLAME DEVICES	
7. TRAVEL-DISTANCE TO EXIT		15. FIRE DIAMOND INFFAI		23. FIRE DOORS		31. ELECTRICAL	
8. EMERGENCY LIGHTING		16. FIRE CODE PERMITS		24. STAND PIPE		32. OTHER - SPECIFY IN REMARKS	

ITEM NO.	FIRE CODE SECTION	SPEC REF	REMARKS	CORR REQ'D BY (DATE)	CORRECTED (DATE)	CORRECTION VERIFIED BY (PRINT NAME)
11			REPAIR/REPLACE LEAKING DIESEL FUEL NOZZLE.			
11			PROVIDE BREAKAWAY DEVICE ON DIESEL HOSES.			
20			PROVIDE ONE MINIMUM HOSE FIRE EXTINGUISHER WITHIN 25 FT OF DISPENSERS.			

The items noted above are in violation of the Phoenix Fire Code. This is an official notice of ordinance violation requiring correction within the specified time. Failure to comply with these requirements may lead to legal action. Violation of the Phoenix Fire Code is a violation of City Ordinance G-3329, as amended, a Class 1 misdemeanor punishable by a fine not to exceed Two Thousand Five Hundred Dollars or imprisonment not exceeding six months or both. This inspection is intended for your safety and the safety of the citizens of Phoenix. Your cooperation is greatly appreciated. For information concerning this inspection call _____

COPY RECEIVED BY: _____ DATE _____

COMPANY INSPECTOR (NAME): **M. A. [Signature]** STATION NO. _____

REFERRED TO P.P. INSPECTOR (NAME): _____ TURN-OVER DATE _____

REFERRED TO CITY PROSECUTOR (V): _____ DATE _____

FIRE INCIDENT REPORT NO. _____

USE BLACK INK ONLY

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CITY OF PHOENIX
FIRE DEPARTMENT
OCCUPANCY ACTIVITY REPORT

DM. _____ OIC _____

PAGE _____ OF _____

OCC CLASS	CITY	ADDRESS NO	DIR	STREET NAME	TYPE	CITY	SUITE OR UNIT	MONTH	DATE	YEAR	
		P 13148 W		Happy Valley	RDP #			06	30	91	
NFPA CLASS	GROUP	INSP NO	FIRE CODE PERMITS REC'D			OCCUPANCY LOAD		# OF UNITS OR SUITES	PRIORITY	AREA OF RESPON	
SQ. FT. OF OCC INSP	STORIES	BASEMENTS	EMERGENCY LIGHTING			LOCK BOX	FIRE LANES	GUARD DOGS			
ELEVATORS	# WITH FIREMAN FEATURE	EXIT PLANS	EXIT DRILLS			STANDPIPE SYSTEM	HOUSE LINES	FIRE PUMPS	HOOD SYS		
AUTOMATIC SPRINKLER SYS		UNSUPERVISED	SUPERVISOR NAME			PHONE	PREVIOUS FIRE HISTORY				
FIRE ALARM SYSTEM		UNSUPERVISED	SUPERVISOR NAME			PHONE	SEARCH WARRANT USED				
HAZARDOUS MATERIAL		BUILD PLACARDED	EXPLOSIVES TYPE			EXPLOSIVES MAGAZINE					
FLAMMABLE LIQUID		UNSUPERVISED	LP GAS								
RESPONSIBLE PARTY		LAST	FIRST	MI	HOME PHONE	#SP HRS	COMPLETED INSP DATE				
RESPONSIBLE PARTY		LAST	FIRST	MI	HOME PHONE	BUILD DRAW REQUIRED	DRAWING COMPLETED				

PROPERTY MANAGEMENT

OCCUPANCY NAME	PHONE	BUSINESS OWNER NAME	PHONE	MI	HOME PHONE
Skunk Creek Landfill					
BUILD/PROPERTY OWNERS NAME	LAST	FIRST	MI	HOME PHONE	INSURANCE COMPANY NAME #
RESPONSIBLE PARTY	LAST NAME	FIRST NAME	MI	DATE OF BIRTH	
HOME ADDRESS	HOME PHONE	STATE	DRIVERS # NO	SOCIAL SECURITY NUMBER	

THE FOLLOWING ITEMS ARE IN VIOLATION

EXIT REQUIREMENTS		HAZARDOUS MATERIALS		FIRE PROTECTION		BUILDING & GROUNDS	
1	NUMBER REQUIRED	9	STORAGE HANDLING USE	7	FIRE DEPARTMENT CONNECTIONS	25	DRY VEGETATION
2	DOOR WIDTH/SWING	10	HAZARDOUS CHEMICALS	8	AUTOMATIC SPRINKLERS	26	TRASH CONDITIONS
3	LOCKS, LATCHES	11	FLAMM COMB LIQUIDS	9	AUTOMATIC EXTINGUISHING SYSTEM	27	FIRE LANES
4	EXIT SIGNS	12	LP GAS	20	PORTABLE EXTINGUISHERS	28	DANGEROUS CONDITIONS
5	POWER OPERATED DOORS	13	EXPLOSIVES	21	HYDRANTS	29	DECORATIVE MATERIALS
6	OBSTRUCTIONS/AISLES	14	HAZ MAT APPLICATION	22	FIRE ALARM SYSTEM	30	OPEN FLAME DEVICES
7	TRAVEL DISTANCE TO EXIT	15	FIRE DIAMOND NFPA	23	FIRE DOORS	31	ELECTRICAL
8	EMERGENCY LIGHTING	16	FIRE CODE PERMITS	24	STAND PIPE	32	OTHER - SPECIFY IN REMARKS

VIOLA NO	FIRE CODE SECTION	SPEC REF	REMARKS	LABOR REC'D BY DATE	CORRECTED DATE	CORRECTION VERIFIED BY (PRINT NAME)
11	16	NFPA 303.3.3	Hm 1328 The 10,000 Gallon Above Ground Tank and the fire that was installed on 2-27-87 for Code Regulation Temporary use has gone way beyond Temporary. The Tank shall comply with the Fire Code Regulation RL-5, NFPA 30 & 30A (1990 edition) within 90 days of this report.	325		

The items noted above are in violation of the Phoenix Fire Code. This is an official notice of ordinance violation requiring correction within the specified time. Failure to comply with these requirements may lead to legal action. Violation of the Phoenix Fire Code is a violation of City Ordinance G-2221, as amended, a Class 1 misdemeanor punishable by a fine not to exceed Two Thousand Five Hundred Dollars or imprisonment not exceeding six months or both. This inspection is intended for your safety and the safety of the citizens of Phoenix. Your cooperation is greatly appreciated. For information concerning this inspection call 262-6771.

COPY RECEIVED BY	DATE	COMPANY SUPERVISOR (NAME)	STATION NO
		Jerry Nellis	77
REFERRED TO F.P. INSPECTOR (NAME)	TURNOVER DATE	REFERRED TO CITY PROSECUTOR (NAME)	DATE
			FIRE INCIDENT REPORT NO

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CITY OF PHOENIX
FIRE DEPARTMENT
OCCUPANCY ACTIVITY REPORT

DM. _____ OIC _____

CAD _____ OIS _____

PAGE _____ OF _____

OCC. CLASS	CITY	ADDRESS NO.	DIR.	STREET NAME	TYPE	CITY	SUITE OR UNIT	MONTH	DATE	YEAR	
		P 131165W		HAPPY VALLEY	RDP #			06	06	94	
NFPA CLASS	GROUP INSP. NO.	FIRE CODE PERMITS REC.		OCCUPANCY LOAD		# OF UNITS OR SUITES		PRIORITY	AREA OF RESPON		
SQ. FT. OF OCC. INSP	STORIES	BASEMENTS		EMERGENCY LIGHTING		LOCK BOX		FIRE LANES		GUARD DOGS	
ELEVATORS # OF	# WITH FIREMAN FEATURE	EXIT PLANS		EXIT DRILLS		STANDPIPE SYSTEM		HOUSE LINES		FIRE PUMPS	
AUTOMATIC SPRINKLER SYS		UNSUPERVISED		SUPERVISOR NAME		PHONE		PREVIOUS FIRE HISTORY			
FIRE ALARM SYSTEM		UNSUPERVISED		SUPERVISOR NAME		PHONE		SEARCH WARRANT USED			
HAZARDOUS MATERIAL		BUILD PLACARDED		EXPLOSIVES TYPE		EXPLOSIVES MAGAZINE					
FLAMMABLE LIQUID		LP GAS									
AG GALS		UG GALS		AG GALS		UG GALS					
RESPONSIBLE PARTY		LAST		FIRST		MI		HOME PHONE		INSP HRS	
RESPONSIBLE PARTY		LAST		FIRST		MI		HOME PHONE		BUILD DRAW REQUIRED	
										DRAWING COMPLETED	

PROPERTY MANAGEMENT

OCCUPANCY NAME	PHONE	BUSINESS OWNER'S NAME	LAST	FIRST	MI	HOME PHONE
Skunk Creek land fill						
BUILD/PROPERTY OWNERS NAME	LAST	FIRST	MI	HOME PHONE	INSURANCE COMPANY NAME	PHONE
RESPONSIBLE PARTY	LAST NAME	FIRST NAME	MI	DATE OF BIRTH		
HOME ADDRESS	HOME PHONE	STATE	DRIVER'S LIC NO	SOCIAL SECURITY NUMBER		

THE FOLLOWING ITEMS ARE IN VIOLATION

EXIT REQUIREMENTS		HAZARDOUS MATERIALS		FIRE PROTECTION		BUILDING & GROUNDS	
1. NUMBER REQUIRED		9. STORAGE-HANDLING-USE		17. FIRE DEPARTMENT CONNECTIONS		25. DRY VEGETATION	
2. DOOR WIDTH/SWING		10. HAZARDOUS CHEMICALS		18. AUTOMATIC SPRINKLERS		26. TRASH CONDITIONS	
3. LOCKS, LATCHES		11. FLAMM/COMB LIQUIDS	X	19. AUTOMATIC EXTINGUISHING SYSTEM		27. FIRE LANES	
4. EXIT SIGNS		12. LP GAS		20. PORTABLE EXTINGUISHERS		28. DANGEROUS CONDITIONS	
5. POWER OPERATED DOORS		13. EXPLOSIVES		21. HYDRANTS		29. DECORATIVE MATERIALS	
6. OBSTRUCTIONS/AISLES		14. HAZ MAT APPLICATION		22. FIRE ALARM SYSTEM		30. OPEN FLAME DEVICES	
7. TRAVEL DISTANCE TO EXIT		15. FIRE DIAMOND (NEPA)		23. FIRE DOORS		31. ELECTRICAL	
8. EMERGENCY LIGHTING		16. FIRE CODE PERMITS	X	24. STAND PIPE		32. OTHER - SPECIFY IN REMARKS	

ITEM NO.	FIRE CODE SECTION	SPEC REF	REMARKS	CORR REQ'D BY (DATE)	CORRECTED (DATE)	CORRECTION VERIFIED BY (PRINT NAME)
11	16	NFPA 30 2-23.1	3261 The Owner or Supplier of The 12,000 Gallon Above Ground diesel tank shall provide a UL listing for such tank or provide an engineers letter with stamp stating that the tank meets the UL listing for an Above Ground flammable/Combustible liquid tank	326		

The items noted above are in violation of the Phoenix Fire Code. This is an official notice of ordinance violation requiring correction within the specified time. Failure to comply with these requirements may lead to legal action. Violation of the Phoenix Fire Code is a violation of City Ordinance G-3329, as amended, a Class 1 misdemeanor punishable by a fine not to exceed Two Thousand Five Hundred Dollars or imprisonment not exceeding six months or both. This inspection is intended for your safety and the safety of the citizens of Phoenix. Your cooperation is greatly appreciated. For information concerning this inspection call

COPY RECEIVED BY	DATE	COMPANY INSPECTOR (NAME)	STATION NO
		Jeremy Nellis	FP
REFERRED TO F.P. INSPECTOR (NAME)	TURNDOWN DATE	REFERRED TO CITY PROSECUTOR BY	DATE

BLUE - FIRE PREVENTION WHITE - OCCUPANT PINK - SPECIALIST

CITY OF PHOENIX
FIRE DEPARTMENT

OCCUPANCY ACTIVITY REPORT

(SUPPLEMENTAL PAGE _____)

MONTH	DAY	YEAR
06	06	94

STREET ADDRESS: 3165 W Happy Valley Rd
OCCUPANCY NAME: Skunk Creek Land Fill
AREA OF RESPONSIBILITY:

ITEM NO.	FIRE CODE SECTION	SPEC REF	REMARKS	CORR REQ'D BY (DATE)	Corrected (DATE)	CORRECTION VERIFIED BY (PRINT NAME)
11	16	NFPA 30	Clean off fire valve on the Gasoline tank and check for a leak	6/20/94		
11	16	NFPA 30 4-2.3.	A control shall be provided that will permit the pump to operate only when a dispensing nozzle is removed from its bracket or normal position with respect to the dispensing device and the switch on this dispensing device is manually actuated. This control shall also stop the pump when all nozzles have been returned, either to their brackets or to the normal nondispensing position.			
16	16-3		Op team permits as per attached sheet 91-230	6/20/94		

The items noted above are in violation of the Phoenix Fire Code. This is an official notice of ordinance violation requiring correction within the specified time. Failure to comply with these requirements may lead to legal action. Violation of the Phoenix Fire Code is a violation of City Ordinance G-3329, as amended, a Class 1 misdemeanor punishable by a fine not to exceed Two-Thousand Five Hundred dollars or imprisonment not exceeding six months or both. This inspection is intended for you safety and the safety of the citizens of Phoenix. Your cooperation is greatly appreciated. For information concerning this inspection call

COPY RECEIVED BY	DATE	COMPANY INSPECTOR (NAME) Jerry Nellis	STATION NO SHIFT E.P.
REFERRED TO F.P. INSPECTOR (NAME)	TURN OVER DATE	REFERRED TO CITY PROSECUTOR BY	DATE

BLUE - FIRE PREVENTION
WHITE - OCCUPANT
PINK - SPECIALIST

PHOENIX FIRE DEPARTMENT
Division of Fire Prevention
PERMIT

Occupant	Skunk Creek Landfill
Address	3165 W. Happy Valley Rd. PHOENIX
Purpose	FLAMMABLE/COMBUSTIBLE LIQUIDS Conduct or maintain a service station operation (private).

No. 72490

FIRE DEPT

ARIZONA

Issuing Inspector _____
City of Phoenix _____
Permittee _____
Date July 6, 1994

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CITY OF PHOENIX
FIRE DEPARTMENT
OCCUPANCY ACTIVITY REPORT

DM. _____ OIC _____

68826

PREV. OCC. CLASS	CITY ADDRESS "ROUTE"		STREET NAME		TYPE	CITY	SUITE OR UNIT	MONTH	DATE	YEAR
	P 31165		Harbor Valley		Rd P #			09	21	92
NFPA CLASS	GROUP INSP. NO.	FIRE CODE PERMITS REQ		OCCUPANCY LOAD		# OF UNITS OR SUITES		PRIORITY	AREA OF RESPON.	
SQ. FT. OF OCC. INSP.	STORIES	BASEMENTS	LEVELS		SQ. FT.	EMERGENCY LIGHTING		LOCK BOX	FIRE LANES	GUARD DOGS
ELEVATORS # OF	# WITH FIREMAN FEATURE	EXIT PLANS	EXIT DRILLS	STANDPIPE SYSTEM	HOUSE LINES	FIRE PUMPS	HOOD SYS			
AUTOMATIC SPRINKLER SYS	UNSUPERVISED	SUPERVISOR NAME		PHONE	PREVIOUS FIRE HISTORY					
FIRE ALARM SYSTEM	UNSUPERVISED	SUPERVISOR NAME		PHONE	SEARCH WARRANT USED					
HAZARDOUS MATERIAL	BUILD PLACARDED	EXPLOSIVES TYPE		EXPLOSIVES MAGAZINE						
FLAMMABLE LIQUID	LP GAS									
AG GAL'S	LIC GAL'S	AG GAL'S		LIC GAL'S						
RESPONSIBLE PARTY LAST	FIRST	MI	HOME PHONE	INSP HRS	COMPLETED INSP DATE					
RESPONSIBLE PARTY LAST	FIRST	MI	HOME PHONE	BUILD DRAW REQUIRED	DRAWING COMPLETED					

PROPERTY MANAGEMENT

OCCUPANCY NAME	PHONE	BUSINESS OWNER'S NAME LAST	FIRST	MI	HOME PHONE
Refurbish Tank - Skunk Creek					
BUILD/PROPERTY OWNERS NAME LAST	FIRST	MI	HOME PHONE	INSURANCE COMPANY NAME	PHONE
RESPONSIBLE PARTY LAST NAME	FIRST NAME	MI	DATE OF BIRTH		
HOME ADDRESS	HOME PHONE	STATE	DRIVER'S LIC. NO.	SOCIAL SECURITY NUMBER	

THE FOLLOWING ITEMS ARE IN VIOLATION

EXIT REQUIREMENTS		HAZARDOUS MATERIALS		FIRE PROTECTION		BUILDING & GROUNDS	
1. NUMBER REQUIRED	9. STORAGE-HANDLING-USE	17. FIRE DEPARTMENT CONNECTIONS	25. DRY VEGETATION				
2. DOOR WIDTH/SWING	10. HAZARDOUS CHEMICALS	18. AUTOMATIC SPRINKLERS	26. TRASH CONDITIONS				
3. LOCKS, LATCHES	11. FLAMM./COMB. LIQUIDS	19. AUTOMATIC EXTINGUISHING SYSTEM	27. FIRE LANES				
4. EXIT SIGNS	12. L.P. GAS	20. PORTABLE EXTINGUISHERS	28. DANGEROUS CONDITIONS				
5. POWER OPERATED DOORS	13. EXPLOSIVES	21. HYDRANTS	29. DECORATIVE MATERIALS				
6. OBSTRUCTIONS/AISLES	14. HAZ. MAT. APPLICATION	22. FIRE ALARM SYSTEM	30. OPEN FLAME DEVICES				
7. TRAVEL DISTANCE TO EXIT	15. FIRE DIAMOND (NFPA)	23. FIRE DOORS	31. ELECTRICAL				
8. EMERGENCY LIGHTING	16. FIRE CODE PERMITS	24. STAND PIPE	32. OTHER - SPECIFY IN REMARKS				

ITEM NO.	FIRE CODE SECTION	SPEC. REF.	Permit# 68826	REMARKS	CORR REQ'D BY (DATE)	CORRECTED (DATE)	CORRECTION VERIFIED BY (PRINT NAME)
	Permit			to install a tank(s) Modification of A/G per approved plans in accordance with City of Phoenix Fire Prevention Codes and City of Phoenix Regulations. Final field inspection required, to schedule call (602) 262-6771.			
	Permit expires			SIX (6) MONTHS from date of issue.			
	Plans log#			P 595			
				Contractor: Frye Const.			
				Phone: 907-6181			
				THIS PERMIT IS NON-TRANSFERABLE			
					Permit Fee \$100.00		
					Balance Due \$100.00		
					Issue Date: 9/21/92		
					Checked: 14/04		
					Clerk: [Signature]		

The items noted above are in violation of the Phoenix Fire Code. This is an official notice of ordinance violation requiring correction within the specified time. Failure to comply with these requirements may lead to legal action. Violation of the Phoenix Fire Code is a violation of City Ordinance G-3329, as amended, a Class 1 misdemeanor punishable by a fine not to exceed Two Thousand Five Hundred Dollars or imprisonment not exceeding six months or both. This inspection is intended for your safety and the safety of the citizens of Phoenix. Your cooperation is greatly appreciated. For information concerning this inspection call

COPY RECEIVED BY	DATE	COMPANY INSPECTOR (NAME)	STATION NO.
Michael J. [Signature]	6/21/92	B. Roland/EC	F.P.
REFERRED TO F.P. INSPECTOR (NAME)	TURN-OVER DATE	REFERRED TO CITY PROSECUTOR BY	DATE
			FIRE INCIDENT REPORT NO.

BLUE -- FIRE PREVENTION
WHITE -- OCCUPANT

Welding & Cutting

BLACK & WHITE ONLY
REV. OCC. CLASS

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CITY OF PHOENIX FIRE DEPARTMENT OCCUPANCY ACTIVITY REPORT

DM. OIS OF PAGE
CAD OIS OF YEAR

OCC. CLASS	CITY	ADDRESS NO.	DIR	STREET NAME	TYPE	CITY	SUITE OR UNIT	MONTH	DATE	YEAR
	P	31165	W	Halpaly Valley	Rec P #			11	20	91
NFPA CLASS	GROUP INSP. NO.	FIRE CODE PERMITS REQ	OCCUPANCY LOAD		# OF UNITS OR SUITES		PRIORITY	AREA OF RESPON.		
		YES <input type="checkbox"/> NO <input type="checkbox"/>	DAY <input type="checkbox"/> NIGHT <input type="checkbox"/>					36-1		
SQ. FT. OF OCC. INSP	STORIES	BASEMENTS	EMERGENCY LIGHTING		LOCK BOX	FIRE LANES	GUARD DOGS			
			YES <input type="checkbox"/> NO <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>			
ELEVATORS # OF	IN WITH FIREMAN FEATURE	EXIT PLANS	EXIT DRILLS	STANDPIPE SYSTEM	HOUSE LINES	FIRE PUMPS	HOOD SYS			
		YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	WET <input type="checkbox"/> DRY <input type="checkbox"/> NONE <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>			
AUTOMATIC SPRINKLER SYS	UNSUPERVISED		SUPERVISOR NAME			PHONE	PREVIOUS FIRE HISTORY			
FULL <input type="checkbox"/> PART <input type="checkbox"/> NONE <input type="checkbox"/>							YES <input type="checkbox"/> NO <input type="checkbox"/>			
FIRE ALARM SYSTEM	UNSUPERVISED		SUPERVISOR NAME			PHONE	SEARCH WARRANT USED			
YES <input type="checkbox"/> NO <input type="checkbox"/>							YES <input type="checkbox"/> NO <input type="checkbox"/>			
HAZARDOUS MATERIAL	BUILD PLACARDED		EXPLOSIVES TYPE		EXPLOSIVES MAGAZINE					
YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>		NONE <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>					
FLAMMABLE LIQUID	LP GAS		AG GALS		UG GALS					
AG GALS	UG GALS		AG GALS		UG GALS					
RESPONSIBLE PARTY LAST	FIRST	MI	HOME PHONE		INSP HRS	COMPLETED INSP DATE				
RESPONSIBLE PARTY LAST	FIRST	MI	HOME PHONE		BUILD DRAW REQUIRED	DRAWING COMPLETED				
					YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>				

PROPERTY MANAGEMENT

OCCUPANCY NAME	PHONE	BUSINESS OWNERS NAME	LAST	FIRST	MI	HOME PHONE
PAC. Maint Skunk Creek Landfill	261-8400					
BUILD/PROPERTY OWNERS NAME	LAST	FIRST	MI	HOME PHONE	INSURANCE COMPANY NAME	PHONE
RESPONSIBLE PARTY	LAST NAME	FIRST NAME	MI	DATE OF BIRTH		
HOME ADDRESS	HOME PHONE	STATE	DRIVERS LIC NO	SOCIAL SECURITY NUMBER		

THE FOLLOWING ITEMS ARE IN VIOLATION

EXIT REQUIREMENTS		HAZARDOUS MATERIALS		FIRE PROTECTION		BUILDING & GROUNDS	
1	NUMBER REQUIRED	9	STORAGE HANDLING USE	17	FIRE DEPARTMENT CONNECTIONS	25	DRY VEGETATION
2	DOOR WIDTH/SWING	10	HAZARDOUS CHEMICALS	18	AUTOMATIC SPRINKLERS	26	TRASH CONDITIONS
3	LOCKS, LATCHES	11	FLAMM-COMB LIQUIDS	19	AUTOMATIC EXTINGUISHING SYSTEM	27	FIRE LANES
4	EXIT SIGNS	12	LP GAS	20	PORTABLE EXTINGUISHERS	28	DANGEROUS CONDITIONS
5	POWER OPERATED DOORS	13	EXPLOSIVES	21	HYDRANTS	29	DECORATIVE MATERIALS
6	OBSTRUCTIONS/AISLES	14	HAZ MAT APPLICATION	22	FIRE ALARM SYSTEM	30	OPEN FLAME DEVICES
7	TRAVEL DISTANCE TO EXIT	15	FIRE DIAMOND (NFPA)	23	FIRE DOORS	31	ELECTRICAL
8	EMERGENCY LIGHTING	16	FIRE CODE PERMITS	24	STAND PIPE	32	OTHER SPECIFY IN REMARKS

ITEM NO	FIRE CODE SECTION	SPEC REF	REMARKS	CORR REQ'D BY (DATE)	CORRECTED (DATE)	CORRECTION VERIFIED BY (PRINT NAME)
16	1.23 ART 30	NFPA 518	6817/417 Site insp. for welding & cutting only Welding & cutting shall be only conducted outside under present conditions. Shop area shall be in compliance with all codes, regulations, standards or approved guidelines			

The items noted above are in violation of the Phoenix Fire Code. This is an official notice of ordinance violation requiring correction within the specified time. Failure to comply with these requirements may lead to legal action. Violation of the Phoenix Fire Code is a violation of City Ordinance G-2221, as amended, a Class 1 misdemeanor punishable by a fine not to exceed Two Thousand Five Hundred Dollars or imprisonment not exceeding six months or both. This inspection is intended for your safety and the safety of the citizens of Phoenix. Your cooperation is greatly appreciated. For information concerning this inspection call 262-7440

COPY RECEIVED BY	DATE	COMPANY INSPECTOR (NAME)	STATION NO
		C. Nordstrom	FP
REFERRED TO F.P. INSPECTOR (NAME)	TURNOVER DATE	REFERRED TO CITY PROSECUTOR BY	DATE
			FIRE INCIDENT REPORT NO

PHOENIX FIRE DEPARTMENT

Division of Fire Prevention

PERMIT

No. 62372

Occupant

Address

Purpose

Spink Hill Landfill

3765 North McDowell

PHOENIX

FIRE DEPT

ARIZONA

WELDING OR CUTTING, ACETYLENE GENERATOR AND CALCIUM CARBIDE:
Welding or cutting at specific location.

Don Russell
FOR

C. Nordstrom

City of Phoenix/Equip. Mgt. Div. Nov. 7, 1990

Issuing Inspector

Permittee

Date

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CITY OF PHOENIX
FIRE DEPARTMENT
OCCUPANCY ACTIVITY REPORT

DM. OTC

PAGE

OCC. CLASS	CITY ADDRESS NO.	DIR	STREET NAME	TYPE	CITY #	SUITE OR UNIT	MONTH	DAY	YEAR
	P 3165	W	HAPPY VALLEY ROAD		P #		10	03	89
NFPA CLASS	GROUP INSP. NO.	FIRE CODE PERMITS REQ.	OCCUPANCY LOAD	# OF UNITS OR SUITES	PRIORITY	AREA OF RESPON.			
SO. FT. OF OCC. INSP.	STORIES	BASEMENTS	EMERGENCY LIGHTING	LOCK BOX	FIRE LANES	GUARD DOGS			
ELEVATORS # OF	# WITH FIREMAN FEATURE	EXIT PLANS	EXIT DRILLS	STANDPIPE SYSTEM	HOUSE LINES	FIRE PUMPS	HOOD SYS		
AUTOMATIC SPRINKLER SYS	UNSUPERVISED	SUPERVISOR NAME		PHONE	PREVIOUS FIRE HISTORY				
FIRE ALARM SYSTEM	UNSUPERVISED	SUPERVISOR NAME		PHONE	SEARCH WARRANT USED				
HAZARDOUS MATERIAL	BUILD PLACARDED	EXPLOSIVES TYPE		EXPLOSIVES MAGAZINE					
FLAMMABLE LIQUID	LP GAS								
AG GALS	UG GALS	AG GALS	UG GALS						
RESPONSIBLE PARTY	LAST	FIRST	MI	HOME PHONE	INSP HRS	COMPLETED INSP DATE			
RESPONSIBLE PARTY	LAST	FIRST	MI	HOME PHONE	BUILD DRAW REQUIRED	DRAWING COMPLETED			

PROPERTY MANAGEMENT

OCCUPANCY NAME	PHONE	BUSINESS OWNER'S NAME	LAST	FIRST	MI	HOME PHONE
SKUNK CREEK LANDFILL BLDG						
BUILD/PROPERTY OWNER'S NAME	LAST	FIRST	MI	HOME PHONE	INSURANCE COMPANY NAME	PHONE
RESPONSIBLE PARTY	LAST NAME	FIRST NAME	MI	DATE OF BIRTH		
HOME ADDRESS	HOME PHONE	STATE	DRIVER'S LIC NO	SOCIAL SECURITY NUMBER		

THE FOLLOWING ITEMS ARE IN VIOLATION

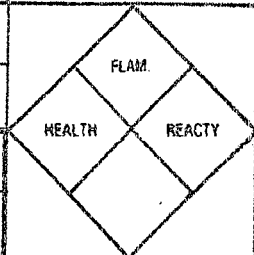
EXIT REQUIREMENTS	HAZARDOUS MATERIALS	FIRE PROTECTION	BUILDING & GROUNDS
1. NUMBER REQUIRED	9 STORAGE-HANDLING-USE	17 FIRE DEPARTMENT CONNECTIONS	25 DRY VEGETATION
2. DOOR WIDTH/SWING	10 HAZARDOUS CHEMICALS	18 AUTOMATIC SPRINKLERS	26 TRASH CONDITIONS
3. LOCKS, LATCHES	11 FLAMM/COMB. LIQUIDS	19 AUTOMATIC EXTINGUISHING SYSTEM	27 FIRE LANES
4. EXIT SIGNS	12 LP GAS	20 PORTABLE EXTINGUISHERS	28 DANGEROUS CONDITIONS
5. POWER OPERATED DOORS	13 EXPLOSIVES	21 HYDRANTS	29 DECORATIVE MATERIALS
6. OBSTRUCTIONS/AISLES	14 HAZ MAT. APPLICATION	22 FIRE ALARM SYSTEM	30 OPEN FLAME DEVICES
7. TRAVEL DISTANCE TO EXIT	15 FIRE DIAMOND (NFPA)	23 FIRE DOORS	31 ELECTRICAL
8. EMERGENCY LIGHTING	16 FIRE CODE PERMITS	24 STAND PIPE	32 OTHER - SPECIFY IN REMARKS

ITEM NO	FIRE CODE SECTION	SPEC REF.	PERMIT #	577567	REMARKS	CORR REQ'D BY (DATE)	CORRECTED (DATE)	CORRECTION VERIFIED BY (PRINT NAME)
					GA'S HM 0820/328			
Permit to install a tank (s) <u>1-1,000</u> U/G or A/G per approved plans in accordance with City of Phoenix Fire Prevention Codes and City of Phoenix Regulations. Final field inspection required, to schedule call 262-6771. Permit expires six (6) months from date of issue.								
Plans Log # J346			THIS PERMIT NON TRANSFERRABLE Contractor: JOHN BALL & PARTNERS Phone: 257-8192			Permit Fee \$ 150.00 Balance Due \$ 75.00 Issue Date: 10/03/89 Check # 3489 Clerk: <i>[Signature]</i>		

The items noted above are in violation of the Phoenix Fire Code. This is an official notice of ordinance violation requiring correction within the specified time. Failure to comply with these requirements may lead to legal action. Violation of the Phoenix Fire Code is as violation of City Ordinance G-2241, as amended, a Class 1 misdemeanor punishable by a fine not to exceed One Thousand Dollars or imprisonment not exceeding six months or both. This inspection is intended for your safety and the safety of the citizens of Phoenix. Your cooperation is greatly appreciated. For information concerning this inspection call 262-

COPY RECEIVED BY	DATE	COMPANY INSPECTOR (NAME)	STATION NO
<i>[Signature]</i>		W. HARRIS/VJB	FP
REFERRED TO P.P. INSPECTOR (NAME)	TURN OVER DATE	REFERRED TO CITY PROSECUTOR BY	DATE

OCC. CLASS: P CITY ADDRESS NO. 1311615W DIR. HAZARDOUS WALL 11111111 TYPE CITY P # SUITE OR UNIT MONTH DAY YEAR
 NFPA CLASS: GROUP INSP. NO. FIRE CODE PERMITS REQ. OCCUPANCY LOAD # OF UNITS OR SUITES PRIORITY AREA OF RESPON.
 SO. FT. OF OCC. INSP. STORIES BASEMENTS EMERGENCY LIGHTING LOCK BOX FIRE LANES GUARD DOGS
 ELEVATORS # WITH FIREMAN FEATURE EXIT PLANS SO. FT. STANDPIPE SYSTEM HOUSE LINES FIRE PUMPS HOOD SYS
 AUTOMATIC SPRINKLER SYS UNSUPERVISED SUPERVISOR NAME PHONE PREVIOUS FIRE HISTORY
 FULL PART NONE YES NO YES NO YES NO YES NO YES NO YES NO
 FIRE ALARM SYSTEM UNSUPERVISED SUPERVISOR NAME PHONE SEARCH WARRANT USED
 YES NO YES NO YES NO YES NO YES NO YES NO YES NO
 HAZARDOUS MATERIAL BUILD PLACARDED EXPLOSIVES TYPE EXPLOSIVES MAGAZINE
 YES NO YES NO NONE A B C YES NO
 FLAMMABLE LIQUID LP GAS AG GALS UG GALS AG GALS UG GALS
 RESPONSIBLE PARTY LAST FIRST MI HOME PHONE INSP HRS COMPLETED INSP DATE
 RESPONSIBLE PARTY LAST FIRST MI HOME PHONE BUILD DRAW REQUIRED DRAWING COMPLETED
 YES NO YES NO



PROPERTY MANAGEMENT

OCCUPANCY NAME: Skunk Creek Land Fill PHONE BUSINESS OWNER'S NAME LAST FIRST MI HOME PHONE
 BUILD/PROPERTY OWNER'S NAME LAST FIRST MI HOME PHONE INSURANCE COMPANY NAME PHONE
 RESPONSIBLE PARTY LAST NAME FIRST NAME MI DATE OF BIRTH
 HOME ADDRESS HOME PHONE STATE DRIVER'S LIC NO SOCIAL SECURITY NUMBER

THE FOLLOWING ITEMS ARE IN VIOLATION

EXIT REQUIREMENTS		HAZARDOUS MATERIALS		FIRE PROTECTION		BUILDING & GROUNDS	
1. NUMBER REQUIRED		9. STORAGE-HANDLING-USE		17. FIRE DEPARTMENT CONNECTIONS		25. DRY VEGETATION	
2. DOOR WIDTH/SWING		10. HAZARDOUS CHEMICALS		18. AUTOMATIC SPRINKLERS		26. TRASH CONDITIONS	
3. LOCKS. LATCHES		11. FLAMM /COMB. LIQUIDS		19. AUTOMATIC EXTINGUISHING SYSTEM		27. FIRE LANES	
4. EXIT SIGNS		12. L.P. GAS		20. PORTABLE EXTINGUISHERS		28. DANGEROUS CONDITIONS	
5. POWER OPERATED DOORS		13. EXPLOSIVES		21. HYDRANTS		29. DECORATIVE MATERIALS	
6. OBSTRUCTIONS/AISLES		14. HAZ. MAT. APPLICATION		22. FIRE ALARM SYSTEM		30. OPEN FLAME DEVICES	
7. TRAVEL DISTANCE TO EXIT		15. FIRE DIAMOND (IFPA)		23. FIRE DOORS		31. ELECTRICAL	
8. EMERGENCY LIGHTING		16. FIRE CODE PERMITS		24. STAND PIPE		32. OTHER - SPECIFY IN REMARKS	

ITEM NO.	FIRE CODE SECTION	SPEC. REF.	REMARKS	CORR REQ'D BY (DATE)	CORRECTED (DATE)	CORRECTION VERIFIED BY (PRINT NAME)
			57776 witnessed Hydro Test on secondary containment for Product Lines & Fill line etc to cover. no leaks were detected. Call for final inspection			Jamil

The items noted above are in violation of the Phoenix Fire Code. This is an official notice of ordinance violation requiring correction within the specified time. Failure to comply with these requirements may lead to legal action. Violation of the Phoenix Fire Code is as violation of City Ordinance G-2221, as amended, a Class 1 misdemeanor punishable by a fine not to exceed One Thousand Dollars or imprisonment not exceeding six months or both. This inspection is intended for your safety and the safety of the citizens of Phoenix. Your cooperation is greatly appreciated. For information concerning this inspection call 252-6771

COPY RECEIVED BY: [Signature] DATE: [Date]
 REFERRED TO CITY INSPECTOR (NAME): [Signature] DATE: [Date]
 COMPANY INSPECTOR (NAME): [Signature] STATION NO: [Number]
 REFERRED TO CITY PROSECUTOR BY: [Signature] DATE: [Date]
 SHIFT: F.P.
 FIRE INCIDENT REPORT NO: [Number]

USE BLACK INK ONLY

4/6 Tank Purge & Removal

CITY OF PHOENIX
FIRE DEPARTMENT

DM. *SK* OIC

PLEASE PRINT
PLACE X ONLY IN BOXES

OCCUPANCY ACTIVITY REPORT

CAD OIS

PAGE

OCC. CLASS	CITY ADDRESS NO.	DIR.	STREET NAME	TYPE	CITY	SUITE OR UNIT	MONTH	DAY	YEAR
	P 3165W		HAPPY VALLEY	RDP #			11	07	89

NFPA CLASS	GROUP INSP. NO.	FIRE CODE PERMITS REQ	OCCUPANCY LOAD	# OF UNITS OR SUITES	PRIORITY	AREA OF RESPON.
		YES <input type="checkbox"/> NO <input type="checkbox"/>	DAY <input type="checkbox"/> NIGHT <input type="checkbox"/>			316-1

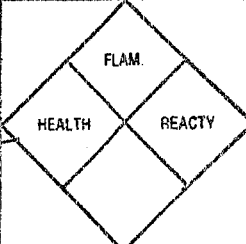
SO FT. OF OCC INSP.	STORIES	BASEMENTS	EMERGENCY LIGHTING	LOCK BOX	FIRE LANES	GUARD DOGS
			YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>

ELEVATORS # OF	# WITH FIREMAN FEATURE	EXIT PLANS	EXIT DRILLS	STANDPIPE SYSTEM	HOUSE LINES	FIRE PUMPS	HOOD SYS
		YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	WET <input type="checkbox"/> DRY <input type="checkbox"/> NONE <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>

AUTOMATIC SPRINKLER SYS	UNSUPERVISED	SUPERVISOR NAME	PHONE	PREVIOUS FIRE HISTORY
FULL <input type="checkbox"/> PART <input type="checkbox"/> NONE <input type="checkbox"/>	<input type="checkbox"/>			YES <input type="checkbox"/> NO <input type="checkbox"/>

FIRE ALARM SYSTEM	UNSUPERVISED	SUPERVISOR NAME	PHONE	SEARCH WARRANT USED
YES <input type="checkbox"/> NO <input type="checkbox"/>	<input type="checkbox"/>			YES <input type="checkbox"/> NO <input type="checkbox"/>

HAZARDOUS MATERIAL	BUILD PLACARDED	EXPLOSIVES TYPE	EXPLOSIVES MAGAZINE
YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	NONE <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>



RESPONSIBLE PARTY LAST	FIRST	MI	HOME PHONE	INSP HRS	COMPLETED INSP DATE

RESPONSIBLE PARTY LAST	FIRST	MI	HOME PHONE	BUILD DRAW REQUIRED	DRAWING COMPLETED
				YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>

PROPERTY MANAGEMENT

OCCUPANCY NAME	PHONE	BUSINESS OWNER'S NAME LAST	FIRST	MI	HOME PHONE
Skunk Creek Landfill					

BUILD/PROPERTY OWNER'S NAME LAST	FIRST	MI	HOME PHONE	INSURANCE COMPANY NAME	PHONE
Triple H					

RESPONSIBLE PARTY LAST NAME	FIRST NAME	MI	DATE OF BIRTH

HOME ADDRESS	HOME PHONE	STATE	DRIVER'S LIC NO	SOCIAL SECURITY NUMBER

THE FOLLOWING ITEMS ARE IN VIOLATION

EXIT REQUIREMENTS	HAZARDOUS MATERIALS	FIRE PROTECTION	BUILDING & GROUNDS
1. NUMBER REQUIRED	9. STORAGE-HANDLING-USE	17. FIRE DEPARTMENT CONNECTIONS	25. DRY VEGETATION
2. DOOR WIDTH/SWING	10. HAZARDOUS CHEMICALS	18. AUTOMATIC SPRINKLERS	26. TRASH CONDITIONS
3. LOCKS, LATCHES	11. FLAMM./COMB. LIQUIDS	19. AUTOMATIC EXTINGUISHING SYSTEM	27. FIRE LANES
4. EXIT SIGNS	12. L.P. GAS	20. PORTABLE EXTINGUISHERS	28. DANGEROUS CONDITIONS
5. POWER OPERATED DOORS	13. EXPLOSIVES	21. HYDRANTS	29. DECORATIVE MATERIALS
6. OBSTRUCTIONS/AISLES	14. HAZ. MAT. APPLICATION	22. FIRE ALARM SYSTEM	30. OPEN FLAME DEVICES
7. TRAVEL DISTANCE TO EXIT	15. FIRE DIAMOND (NFPA)	23. FIRE DOORS	31. ELECTRICAL
8. EMERGENCY LIGHTING	16. FIRE CODE PERMITS	24. STAND PIPE	32. OTHER -- SPECIFY IN REMARKS

ITEM NO	FIRE CODE SECTION	SPEC REF	REMARKS	CORR REQ'D BY (DATE)	CORRECTED (DATE)	CORRECTION VERIFIED BY (PRINT NAME)
- 16B	-		# 58329 Observed proper purge of 1x10k + 1x500 tanks. Vent pipes in place. Proper amounts of Dry Ice used. 11/8/89 - Contamination noted at 500 gal. tank. Samples taken by Force & Mann Co. Inc. No contamination at 10k tanks. Tanks off-site.			

The items noted above are in violation of the Phoenix Fire Code. This is an official notice of ordinance violation requiring correction within the specified time. Failure to comply with these requirements may lead to legal action. Violation of the Phoenix Fire Code is as violation of City Ordinance G-2221, as amended, a Class 1 misdemeanor punishable by a fine not to exceed One Thousand Dollars or imprisonment not exceeding six months or both. This inspection is intended for your safety and the safety of the citizens of Phoenix. Your cooperation is greatly appreciated. For information concerning this inspection call 282-6352.

COPY RECEIVED BY <i>John M. Masterson</i> DATE 11-8-89	COMPANY INSPECTOR (NAME) <i>Kon Johnson</i>	STATION NO
REFERRED TO P.P. INSPECTOR (NAME)	REFERRED TO CITY PROSECUTOR BY	SHIFT C303/PPR
TURNOVER DATE	DATE	FIRE INCIDENT REPORT NO

USE BLACK INK ONLY

CITY OF PHOENIX
FIRE DEPARTMENT

DM. _____ OIC _____

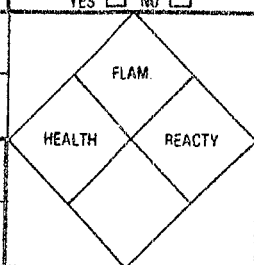
PLEASE PRINT
PLACE X ONLY IN BOXES

OCCUPANCY ACTIVITY REPORT

CAD _____ OIS _____

PAGE
1 OF 1

OCC. CLASS		ADDRESS NO		DIR. STREET NAME		TYPE		SUITE OR UNIT		CITY		MONTH		DAY		YEAR			
		3165		WHAPPY VALLEY		RD #				PHOENIX		11		01		89			
NFPA CLASS		STATE LIC. REQ		PERMITS REQUIRED		OCCUPANCY LOAD		NO. OF UNITS OR SUITES		PRIORITY		AREA OF RESPONSIBILITY							
		YES <input type="checkbox"/> NO <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>								316-1							
SQ FT OF OCC		STORIES		BASEMENTS		EMERGENCY LIGHTING		LOCK BOX		FIRE LANES		GUARD DOGS							
						YES <input type="checkbox"/> NO <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>							
ELEVATORS # OF		# WITH FIREMAN FEATURE		EXIT PLANS		EXIT DRILLS		STANDPIPE SYSTEM		HOUSE LINES		FIRE PUMPS		HOOD SYS					
				YES <input type="checkbox"/> NO <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>		WET <input type="checkbox"/> DRY <input type="checkbox"/> NONE <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>					
AUTOMATIC SPRINKLER SYS		UNSUPERVISED		SUPERVISOR NAME		PHONE		PREVIOUS FIRE HISTORY											
FULL <input type="checkbox"/> PART <input type="checkbox"/> NONE <input type="checkbox"/>		<input type="checkbox"/>						YES <input type="checkbox"/> NO <input type="checkbox"/>											
FIRE ALARM SYSTEM		UNSUPERVISED		SUPERVISOR NAME		PHONE		SEARCH WARRANT USED											
YES <input type="checkbox"/> NO <input type="checkbox"/>		<input type="checkbox"/>						YES <input type="checkbox"/> NO <input type="checkbox"/>											
HAZARDOUS MATERIAL		BUILD PLACARDED		EXPLOSIVES TYPE		EXPLOSIVE MAGAZINES													
YES <input type="checkbox"/> NO <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>		NONE <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>													
FLAMMABLE LIQUID		LP GAS		UG GALS		UG GALS													
AG GALS		UG GALS		AG GALS		UG GALS													
RESPONSIBLE PARTY		HOME PHONE		GROUP INSPECTION NUMBER		COMPLETED INSP DATE													
RESPONSIBLE PARTY		HOME PHONE		INSP HRS		BUILD. DRAW REQUIRED		DRAWING COMPLETED											
				YES <input type="checkbox"/> NO <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>													
OCCUPANCY NAME		PHONE		BUSINESS OWNER'S NAME		HOME PHONE													
Skunk Creek Landfill																			
BUILD/PROPERTY OWNER'S NAME		HOME PHONE		INSURANCE COMPANY NAME		PHONE													
RESPONSIBLE PARTY		FIRST NAME		MIDDLE INITIAL		LAST NAME		DATE OF BIRTH											
ADDRESS		HOME PHONE		STATE		DRIVER'S LIC. NO		SOCIAL SECURITY NUMBER											



THE FOLLOWING ITEMS ARE IN VIOLATION

EXIT REQUIREMENTS		9 EXIT SIGNS		FIRE PROTECTION		BUILDING & GROUNDS	
1. NUMBER REQUIRED		10. AISLES		16. FIRE DEPARTMENT CONNECTIONS		24. DRY VEGETATION	
2. DOOR WIDTH		HAZARDOUS MATERIALS		17. AUTOMATIC SPRINKLERS		25. TRASH CONDITIONS	
3. LOCKS, LATCHES		11. HAZARDOUS CHEMICALS		18. AUTOMATIC EXTINGUISHING SYSTEM		26. FIRE LANES	
4. DOOR SWING		12. FLAMMABLE LIQUID STORAGE		19. PORTABLE EXTINGUISHERS		27. EMERGENCY LIGHTING	
5. POWER OPERATED DOORS		13. L.P. GAS		20. HYDRANTS		28. DECORATIVE MATERIALS	
6. OBSTRUCTIONS		14. EXPLOSIVES		21. FIRE ALARM SYSTEM		29. OPEN FLAME DEVICES	
7. TRAVEL DISTANCE TO EXIT		15. PERMIT #		22. FIRE DOORS		30.	
8. TURNSTILES		PERMIT #		23. STAND PIPE		31. OTHER - SPECIFY IN REMARKS	

ITEM NO	FIRE CODE SECTION	PERMIT REFERENCE	REMARKS	CORRECTION REQ'D BY (DATE)	RECHECK DATE	CORRECTED (DATE)
		58329	Permit for the removal of underground tank (s) 1-10,000/1-5000. Dry ice will be used to inert the tanks @ 25 lbs. per 1,000 gallons capacity. All work shall conform to Regulation 16-B. Fire Inspector will observe the icing of all tanks, 48 hour notice required to schedule purging date. Call 262-6771 to schedule drive-by to verify tank removal. Request Car # 342. TUESDAY			
			DATE: 11-2-89 Thursday TIME: 11-7-89 11:30AM - 2:00PM			
			CONTRACTOR: Purple H PHONE: John 878-9002			
			PERMIT FEE \$175.00 ISSUE DATE: 11-1-89 CHECK # 409 CLERK: JAK			

THIS PERMIT NON TRANSFERRABLE

The items noted above are in violation of the Phoenix Fire Code. This is an official notice of ordinance violation requiring correction within the specified time. Failure to comply with these requirements may lead to legal action. Violation of the Phoenix Fire Code is a violation of City Ordinance G-2221, as amended, a Class 1 misdemeanor punishable by a fine not to exceed One Thousand Dollars or imprisonment not exceeding six months or both. This inspection is intended for your safety and the safety of the citizens of Phoenix. Your cooperation is greatly appreciated. For information concerning this inspection call 262-

COPY RECEIVED BY: <i>John R. Masterson</i>	DATE: 11-1-89	COMPANY INSPECTOR (NAME): <i>D. S. [unclear]</i>	STATION NO. / CHIEF: <i>FP</i>
REFERRED TO F.P. INSPECTOR (NAME):	TURN-OVER DATE:	REFERRED TO CITY PROSECUTOR BY:	DATE:
			FIRE INCIDENT REPORT NO.:

USE BLACK INK ONLY

CITY OF PHOENIX
FIRE DEPARTMENT

DM. _____ OIC _____

PLEASE PRINT
PLACE X ONLY IN BOXES

OCCUPANCY ACTIVITY REPORT

CAD *NR* OIS _____

PAGE _____

OCC. CLASS	CITY ADDRESS NO.	DIR.	STREET NAME	TYPE	CITY	SUITE OR UNIT	MONTH	DAY	YEAR
	P 3165	W	HAPPY VALLEY	RD P #			02	27	87
NEPA CLASS	GROUP INSP. NO.	FIRE CODE PERMITS REQ	OCCUPANCY LOAD	# OF UNITS OR SUITES		PRIORITY	AREA OF RESPON.		
		YES <input type="checkbox"/> NO <input type="checkbox"/>	DAY _____ NIGHT _____				316-1		
SQ. FT. OF OCC INSP	STORIES	BASEMENTS	EMERGENCY LIGHTING	LOCK BOX	FIRE LANES	GUARD DOGS			
			YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>			
ELEVATORS # OF	# WITH FIREMAN FEATURE	EXIT PLANS	EXIT DRILLS	STANDPIPE SYSTEM	HOUSE LINES	FIRE PUMPS	HOOD SYS		
		YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	WET <input type="checkbox"/> DRY <input type="checkbox"/> NONE <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>		
AUTOMATIC SPRINKLER SYS	UNSUPERVISED <input type="checkbox"/>		SUPERVISOR NAME		PHONE	PREVIOUS FIRE HISTORY			
FULL <input type="checkbox"/> PART <input type="checkbox"/> NONE <input type="checkbox"/>						YES <input type="checkbox"/> NO <input type="checkbox"/>			
FIRE ALARM SYSTEM	UNSUPERVISED <input type="checkbox"/>		SUPERVISOR NAME		PHONE	SEARCH WARRANT USED			
YES <input type="checkbox"/> NO <input type="checkbox"/>						YES <input type="checkbox"/> NO <input type="checkbox"/>			
HAZARDOUS MATERIAL	BUILD PLACARDED	EXPLOSIVES TYPE		EXPLOSIVES MAGAZINE					
YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	NONE <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>					
FLAMMABLE LIQUID	LP GAS								
AG GALS	UG GALS	AG GALS	UG GALS						
RESPONSIBLE PARTY LAST	FIRST	MI	HOME PHONE	INSP HRS	COMPLETED INSP DATE				
RESPONSIBLE PARTY LAST	FIRST	MI	HOME PHONE	BUILD DRAW REQUIRED	DRAWING COMPLETED				
				YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>				

PROPERTY MANAGEMENT

OCCUPANCY NAME	PHONE	BUSINESS OWNER'S NAME LAST	FIRST	MI	HOME PHONE
SKUNK CREEK LAND FILL					
BUILD/PROPERTY OWNER'S NAME LAST	FIRST	MI	HOME PHONE	INSURANCE COMPANY NAME	PHONE
RESPONSIBLE PARTY LAST NAME	FIRST NAME	MI	DATE OF BIRTH	PERMIT	
HOME ADDRESS	HOME PHONE	STATE	DRIVER'S LIC NO	SECURITY NUMBER	
			620 W. WASHINGTON		

THE FOLLOWING ITEMS ARE IN VIOLATION

EXIT REQUIREMENTS	HAZARDOUS MATERIALS	AMOUNT FIRE PROTECTION	BUILDINGS & GROUNDS
1. NUMBER REQUIRED	9. STORAGE-HANDLING-USE	17. FIRE DEPARTMENT CONNECTIONS	25. DRY VEGETATION
2. DOOR WIDTH/SWING	10. HAZARDOUS CHEMICALS	18. AUTOMATIC SPARKERS	26. TRASH CONDITIONS
3. LOCKS, LATCHES	11. FLAMM/COMB LIQUIDS	19. AUTOMATIC EXTINGUISHING SYSTEM	27. FIRE LANES
4. EXIT SIGNS	12. L.P. GAS	20. PORTABLE EXTINGUISHERS	28. DANGEROUS CONDITIONS
5. POWER OPERATED DOORS	13. EXPLOSIVES	21. HYDRANTS	29. DECORATIVE MATERIALS
6. OBSTRUCTIONS/FAISLES	14. HAZ MAT. APPLICATION	22. FIRE ALARM SYSTEM	30. OPEN FLAME DEVICES
7. TRAVEL DISTANCE TO EXIT	15. FIRE DIAMOND (NFPA)	23. FIRE ODORS	31. ELECTRICAL
8. EMERGENCY LIGHTING	16. FIRE CODE PERMITS	24. STAND PIPE	32. OTHER - SPECIFY IN REMARKS

ITEM NO.	FIRE CODE SECTION	SPEC REF	REMARKS	CORR REQ'D BY (DATE)	CORRECTED (DATE)	CORRECTION VERIFIED BY (PRINT NAME)
			PERMIT # 45713			
			Permit to temporarily install One(1)-10,000 gallon above-ground Fuel tank for 30 days , in accordance with City of Phoenix Fire Prevention requirements and City of Phoenix Codes.			
			Final inspection is required. Call 262-6771			
			CONTRACTOR: PRECISION PETROLEUM CONTRACTOR: 233-9220			
			THIS PERMIT IS NOT TRANSFERABLE			

The items noted above are in violation of the Phoenix Fire Code. This is an official notice of ordinance violation requiring correction within the specified time. Failure to comply with these requirements may lead to legal action. Violation of the Phoenix Fire Code is as violation of City Ordinance G-2221, as amended, a Class 1 misdemeanor punishable by a fine not to exceed One Thousand Dollars or imprisonment not exceeding six months or both. This inspection is intended for your safety and the safety of the citizens of Phoenix. Your cooperation is greatly appreciated. For information concerning this inspection call 262-6771

COPY RECEIVED BY: <i>[Signature]</i> DATE: <i>7-27-87</i>	COMPANY INSPECTOR (NAME): <i>[Signature]</i> STATION NO: _____
REFERRED TO P.P. INSPECTOR (NAME): _____	REFERRED TO CITY PROSECUTOR (NAME): _____ DATE: _____
TURNOVER DATE: _____	FIRE INCIDENT REPORT NO: _____

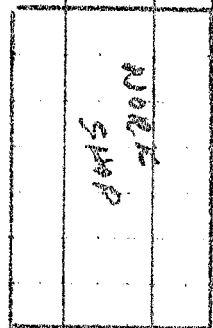
SKUNK CREEK LAND FILL
CITY OF PHX
3165 W HAPPY VALLEY RD
PHX AZ

INSTALLATION BY
PRECISION PETROLIUM
5437 W. THOMAS RD
PHX AZ 85031
602-233-9220

HAPPY VALLEY RD.



Carroll
1-10-00



City of Phx. Fire Dept.
Final Field Inspection
Required. Call 262-8771. 48
hours in advance. Approver
Plan shall be kept at the site.

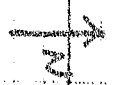
PHOENIX FIRE DEPARTMENT

- APPROVED
 - APPROVED AS NOTED
 - NOT APPROVED
 - COMPLY WITH PHOENIX FIRE
CODE AND NFPA 30
- DATE 2-24-87
FINAL APPROVAL ALWAYS SUBJECT TO FIELD
INSPECTION & TESTS

TEMPORARY INSPECTION CHECK

POWER
1-10-00
100' APP

200'
APP.



Handwritten signature and notes at the bottom left of the page.

USE BLACK INK ONLY

CITY OF PHOENIX
FIRE DEPARTMENT

DM. OIC

PREV. OCC. CLASS

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PLEASE X ONLY IN BOXES

OCCUPANCY ACTIVITY REPORT

CAD OIS

PAGE

OCC. CLASS	CITY ADDRESS NO.	DIR.	STREET NAME	TYPE	CITY	SUITE OR UNIT	MONTH	DAY	YEAR
	P 31165		WHARFAY VALLEY		P #		3	12	87
NFPA CLASS	GROUP INSP. NO.	FIRE CODE PERMITS REQ	OCCUPANCY LOAD	# OF UNITS OR SUITES	PRIORITY	AREA OF RESPON.			
		YES <input type="checkbox"/> NO <input type="checkbox"/>	DAY <input type="checkbox"/> NIGHT <input type="checkbox"/>						

SO FT OF OCC. INSP	STORIES	BASEMENTS	EMERGENCY LIGHTING	LOCK BOX	FIRE LANES	GUARD DOGS	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	
ELEVATORS # OF	# WITH FIREMAN FEATURE	EXIT PLANS	EXIT DRILLS	STANDPIPE SYSTEM	HOUSE LINES	FIRE PUMPS	HOOD SYS
		YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	WET <input type="checkbox"/> DRY <input type="checkbox"/> NONE <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>
AUTOMATIC SPRINKLER SYS	UNSUPERVISED	SUPERVISOR NAME		PHONE	PREVIOUS FIRE HISTORY		
FULL <input type="checkbox"/> PART <input type="checkbox"/> NONE <input type="checkbox"/>	<input type="checkbox"/>				YES <input type="checkbox"/> NO <input type="checkbox"/>		
FIRE ALARM SYSTEM	UNSUPERVISED	SUPERVISOR NAME		PHONE	SEARCH WARRANT USED		
YES <input type="checkbox"/> NO <input type="checkbox"/>	<input type="checkbox"/>				YES <input type="checkbox"/> NO <input type="checkbox"/>		

HAZARDOUS MATERIAL	BUILD PLACARDED	EXPLOSIVES TYPE	EXPLOSIVES MAGAZINE		
YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	NONE <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>		
FLAMMABLE LIQUID	LP GAS				
AG GALS	UG GALS	AG GALS	UG GALS		
RESPONSIBLE PARTY LAST	FIRST	MI	HOME PHONE	INSP HRS	COMPLETED INSP DATE
RESPONSIBLE PARTY LAST	FIRST	MI	HOME PHONE	BUILD DRAW REQUIRED	DRAWING COMPLETED
				YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>

PROPERTY MANAGEMENT						
OCCUPANCY NAME	PHONE	BUSINESS OWNER'S NAME LAST	FIRST	MI	HOME PHONE	
SKUNK CREEK LANDFILL						
BUILD/PROPERTY OWNER'S NAME LAST	FIRST	MI	HOME PHONE	INSURANCE COMPANY NAME	PHONE	
RESPONSIBLE PARTY LAST NAME	FIRST NAME	MI	DATE OF BIRTH			
HOME ADDRESS	HOME PHONE	STATE	DRIVER'S LIC NO	SOCIAL SECURITY NUMBER		

THE FOLLOWING ITEMS ARE IN VIOLATION			
EXIT REQUIREMENTS	HAZARDOUS MATERIALS	FIRE PROTECTION	BUILDINGS & GROUNDS
1. NUMBER REQUIRED	9. STORAGE-HANDLING-USE	17. FIRE DEPARTMENT CONNECTIONS	25. DRY VEGETATION
2. DOOR WIDTH/SWING	10. HAZARDOUS CHEMICALS	18. AUTOMATIC SPRINKLERS	26. TRASH CONDITIONS
3. LOCKS, LATCHES	11. FLAMM./COMB. LIQUIDS	19. AUTOMATIC EXTINGUISHING SYSTEM	27. FIRE LANES
4. EXIT SIGNS	12. LP GAS	20. PORTABLE EXTINGUISHERS	28. DANGEROUS CONDITIONS
5. POWER OPERATED DOORS	13. EXPLOSIVES	21. HYDRANTS	29. DECORATIVE MATERIALS
6. OBSTRUCTIONS/AISLES	14. HAZ MAT APPLICATION	22. FIRE ALARM SYSTEM	30. OPEN FLAME DEVICES
7. TRAVEL DISTANCE TO EXIT	15. FIRE DIAMOND (NFPA)	23. FIRE DOORS	31. ELECTRICAL
8. EMERGENCY LIGHTING	16. FIRE CODE PERMITS 45713	24. STAND PIPE	32. OTHER - SPECIFY IN REMARKS

ITEM NO	FIRE CODE SECTION	SPEC REF	REMARKS	CORR REQ'D BY (DATE)	CORRECTED (DATE)	CORRECTION VERIFIED BY (PRINT NAME)
			APPROVED 10000-AL			
			ABOVE GROUND TANK INSTALLATION			
			ALL ITEMS ON PREVIOUS 9165			
			COMPLIED WITH.			

The items noted above are in violation of the Phoenix Fire Code. This is an official notice of ordinance violation requiring correction within the specified time. Failure to comply with these requirements may lead to legal action. Violation of the Phoenix Fire Code is a violation of City Ordinance G-2221, as amended, a Class 1 misdemeanor punishable by a fine not to exceed One Thousand Dollars or imprisonment not exceeding six months or both. This inspection is intended for your safety and the safety of the citizens of Phoenix. Your cooperation is greatly appreciated. For information concerning this inspection call 252-

COPY RECEIVED BY <i>[Signature]</i>	DATE 3-9-87	COMPANY INSPECTOR (NAME) <i>[Signature]</i>	STATION NO
REFERRED TO C.F. INSPECTOR (NAME) /	TURN-OVER DATE	REFERRED TO CITY PROSECUTOR BY	SHIFT
		DATE	FIRE INCIDENT REPORT NO.

PLEASE PRINT
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CITY OF PHOENIX
FIRE DEPARTMENT
OCCUPANCY ACTIVITY REPORT

DM. R
OIC SPN
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OIS

PAGE 1 OF 101

OCC. CLASS BUIS	CITY ADDRESS NO. P 3233	DIR. N/A	STREET NAME WHAPPY VALLEIN	TYPE RD	CITY P	SUITE OR UNIT #1	MONTH 00	DAY 11	YEAR 1984		
NFPA CLASS 5-1-1	GROUP INSP. NO.	FIRE CODE PERMITS REQ. YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	OCCUPANCY LOAD DAY 3 NIGHT 0	# OF UNITS OR SUITES 0	PRIORITY 3	AREA OF RESPON. 36-1					
SO FT OF OCC INSP 480	STORIES 1	BASEMENTS	LEVELS 0	SQ. FT. 0	EMERGENCY LIGHTING YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	LOCK BOX YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	FIRE LANES YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	GUARD DOGS YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>			
ELEVATORS # OF 10	# WITH FIREMAN FEATURE 10	EXIT PLANS YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	EXIT DRILLS YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	STANDPIPE SYSTEM WET <input type="checkbox"/> DRY <input type="checkbox"/> NONE <input checked="" type="checkbox"/>	HOUSE LINES YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	FIRE PUMPS YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	HOOD SYS YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>				
AUTOMATIC SPRINKLER SYS FULL <input type="checkbox"/> PART <input type="checkbox"/> NONE <input checked="" type="checkbox"/>	UNSUPERVISED <input type="checkbox"/>	SUPERVISOR NAME		PHONE	PREVIOUS FIRE HISTORY YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>						
FIRE ALARM SYSTEM YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	UNSUPERVISED <input type="checkbox"/>	SUPERVISOR NAME		PHONE	SEARCH WARRANT USED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>						
HAZARDOUS MATERIAL YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	BUILD PLACARDED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	EXPLOSIVES TYPE NONE <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>		EXPLOSIVES MAGAZINE YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>							
FLAMMABLE LIQUID AG GALS 0	LP GAS UG GALS 110500	AG GALS 0	UG GALS 0	INSPECTION HRS 302						COMPLETED INSP DATE 06-84	
BUILD DRAW REQUIRED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		DRAWING COMPLETED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>									

PROPERTY MANAGEMENT

OCCUPANCY NAME SKUNK CREEK LANDFILL	PHONE 262-7109	BUSINESS OWNER'S NAME	LAST	FIRST	DATE
--	-------------------	-----------------------	------	-------	------

THE FOLLOWING ITEMS ARE IN VIOLATION

EXIT REQUIREMENTS		HAZARDOUS MATERIALS		FIRE PROTECTION		BUILDING & GROUNDS	
1. NUMBER REQUIRED	9 STORAGE-HANDLING-USE	17 FIRE DEPARTMENT CONNECTIONS	25 DRY VEGETATION				
2. DOOR WIDTH/SWING	10 HAZARDOUS CHEMICALS	18 AUTOMATIC SPRINKLERS	26 TRASH CONDITIONS				
3. LOCKS, LATCHES	11 FLAMM / COMB LIQUIDS	19 AUTOMATIC EXTINGUISHING SYSTEM	27 FIRE LANES				
4. EXIT SIGNS	12 LP GAS	20 PORTABLE EXTINGUISHERS	28 DANGEROUS CONDITIONS				
5. POWER OPERATED DOORS	13 EXPLOSIVES	21 HYDRANTS	29 DECORATIVE MATERIALS				
6. OBSTRUCTIONS/AISLES	14 HAZ MAT APPLICATION	22 FIRE ALARM SYSTEM	30 OPEN FLAME DEVICES				
7. TRAVEL DISTANCE TO EXIT	15 FIRE DIAMOND (NFPA)	23 FIRE DOORS	31 ELECTRICAL				
8. EMERGENCY LIGHTING	16 FIRE CODE PERMITS 33931 <input checked="" type="checkbox"/>	24 STAND PIPE	32 OTHER - SPECIFY IN REMARKS				

ITEM NO	FIRE CODE SECTION	SPEC REF	REMARKS	CORR RECD BY (DATE)	CORRECTED (DATE)	CORRECTION VERIFIED BY (PRINT NAME)
16.3			APPLY FOR, & OBTAIN PERMIT FOR STORAGE & HANDLING OF FLAMMABLE LIQUIDS.	1-31-84	2-6	D. Williams
20	14.2		INSTALL ONE 2A10BC FIRE EXT. IN LUNCH BUILDING & ONE WITHIN 75' OF GAS PUMPS. RECHECK 2-6-84	1-31-84	2-6	D. Williams

The items noted above are in violation of the Phoenix Fire Code. This is an official notice of ordinance violation requiring correction within the specified time. Failure to comply with these requirements may lead to legal action. Violation of the Phoenix Fire Code is as violation of City Ordinance G-2221, as amended, a Class 1 misdemeanor punishable by a fine not to exceed One Thousand Dollars or imprisonment not exceeding six months or both. This inspection is intended for your safety and the safety of the citizens of Phoenix. Your cooperation is greatly appreciated. For information concerning this inspection call 452-

COPY RECEIVED BY <i>[Signature]</i>	DATE 1-19-84	COMPANY INSPECTOR (NUMBER) <i>[Signature]</i>	STATION NO. E-36A
REFERRED TO CITY INSPECTOR (NAME)	TURNOVER DATE	REFERRED TO CITY PROSECUTOR BY	DATE
			FIRE INCIDENT REPORT ID

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CITY OF PHOENIX
FIRE DEPARTMENT

DM. R OIC

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OCCUPANCY ACTIVITY REPORT

CAD DIS PAGE 1 OF 1

OCC. CLASS	ADDRESS NO	DIR	STREET NAME	TYPE	SUITE OR UNIT	CITY	MONTH	DAY	YEAR
	312 B 13	W	H A I P I Y I V A L L E Y	R I D #		P	01	31	84
NFPA CLASS	STATE LIC REQ	PERMITS REQUIRED	OCCUPANCY LOAD		NO OF UNITS OR SUITES	PRIORITY	AREA OF RESPONSIBILITY		
	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	DAY		NIGHT				

SO FT OF OCC	STORIES	BASEMENTS	EMERGENCY LIGHTING	LOCK BOX	FIRE LANES	GUARD DOGS	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	
ELEVATORS # OF	# WITH FIREMAN FEATURE	EXIT PLANS	EXIT DRILLS	STANDPIPE SYSTEM	HOUSE LINES	FIRE PUMPS	HOOD SYS
		YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	WET <input type="checkbox"/> DRY <input type="checkbox"/> NONE <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>

AUTOMATIC SPRINKLER SYS	UNSUPERVISED <input type="checkbox"/>	SUPERVISOR NAME	PHONE	PREVIOUS FIRE HISTORY
FULL <input type="checkbox"/> PART <input type="checkbox"/> NONE <input type="checkbox"/>				YES <input type="checkbox"/> NO <input type="checkbox"/>

FIRE ALARM SYSTEM	UNSUPERVISED <input type="checkbox"/>	SUPERVISOR NAME	PHONE	SEARCH WARRANT USED
YES <input type="checkbox"/> NO <input type="checkbox"/>				YES <input type="checkbox"/> NO <input type="checkbox"/>

HAZARDOUS MATERIAL	BUILD PLACARDED	EXPLOSIVES TYPE	EXPLOSIVE MAGAZINES
YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	NONE <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>

FLAMMABLE LIQUID	LP GAS	AG GALS	UG GALS	
AG GALS	UG GALS	AG GALS	UG GALS	

RESPONSIBLE PARTY	HOME PHONE	GROUP INSPECTION NUMBER	COMPLETED DATE

RESPONSIBLE PARTY	HOME PHONE	INSPECTION HRS	BUILD/DRAW REQUIRED	DRAWING COMPLETED
			YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>

OCCUPANCY NAME	PHONE	BUSINESS OWNER'S NAME	HOME PHONE
SKUNK CREEK LANDFILL	262-7109		

BUILD/PROPERTY OWNER'S NAME	HOME PHONE	INSURANCE COMPANY NAME	PHONE

RESPONSIBLE PARTY	FIRST NAME	MIDDLE INITIAL	LAST NAME	DATE OF BIRTH

ADDRESS	HOME PHONE	STATE	DRIVER'S LIC NO	SOCIAL SECURITY NUMBER

THE FOLLOWING ITEMS ARE IN VIOLATION			
EXIT REQUIREMENTS	9 EXIT SIGNS	FIRE PROTECTION	BUILDING & GROUNDS
1. NUMBER REQUIRED	10 AISLES	16 FIRE DEPARTMENT CONNECTIONS	24 DRY VEGETATION
2. DOOR WIDTH	HAZARDOUS MATERIALS	17 AUTOMATIC SPRINKLERS	25 TRASH CONDITIONS
3. LOCKS, LATCHES	11 HAZARDOUS CHEMICALS	18 AUTOMATIC EXTINGUISHING SYSTEM	26 FIRE LANES
4. DOOR SWING	12 FLAMMABLE LIQUID STORAGE	19 PORTABLE EXTINGUISHERS	27 EMERGENCY LIGHTING
5. POWER OPERATED DOORS	13 L.P. GAS	20 HYDRANTS	28. DECORATIVE MATERIALS
6. OBSTRUCTIONS	14 EXPLOSIVES	21 FIRE ALARM SYSTEM	29 OPEN FLAME DEVICES
7. TRAVEL DISTANCE TO EXIT	15 PERMIT #	22 FIRE DOORS	30
8. TURNSTILES	PERMIT #	23 STAND PIPE	31 OTHER - SPECIFY IN REMARKS

ITEM NO.	FIRE CODE SECTION	SPECIFICATION REFERENCE	PERMIT # 33931	REMARKS	CORRECTION REQD BY (DATE)	RECHECK DATE	CORRECTED (DATE)
				Permit to store, use, and *when applicable* dispense, flammable/combustible liquids in a safe manner in accordance with the Phoenix Fire Prevention Code, Article 16.			
				*Operate a self-service station			
				x192			
				XXX Store and use only			
				F108 (Commercial building)			
				*Owner service station			
				d192 (Private, Commercial, Industrial)			
				Service Station			
				d192 (Public, Retail)			

The items noted above are in violation of the Phoenix Fire Code. This is an official notice of ordinance violation requiring correction within the specified time. Failure to comply with these requirements may lead to legal action. Violation of the Phoenix Fire Code is a violation of City Ordinance 6-2221, as amended, a Class 1 misdemeanor punishable by a fine not to exceed One Thousand Dollars or imprisonment not exceeding six months or both. This inspection is intended for your safety and the safety of the citizens of Phoenix. Your cooperation is greatly appreciated. For information concerning this inspection call 382-

COPY RECEIVED BY	DATE	COMPANY INSPECTOR (NAME)	STATION NO
D. B. O'Leary	2-6-84	R. Williams	E-36A
REPORTED TO CITY INSPECTOR (NAME)	TURNOVER DATE	REPORTED TO CITY PROSECUTOR BY	DATE

FIRE INCIDENT REPORT NO.

From: [Bryan Sparks](#)
To: [Pike, Dan](#)
Subject: Re: ASLD property at Happy Valley Road and I-17: Phase I ESA questions
Date: Wednesday, March 1, 2023 4:07:13 PM
Attachments: [image001.png](#)

Dan,

How long have you been familiar with the property? A few years.

Are you aware of any historical uses of the property? Vacant land. Always.

Are you aware of any hazardous materials or chemical use or storage at the property, current or historical, such as drums, underground storage tanks or aboveground storage tanks? None known.

Are you aware of any spills, releases, or any form of soil or groundwater contamination on, or near, the property? No

Are you aware of any legal proceedings involving the property? No

Are you aware of any land use restrictions or environmental liens on the property? No.

Let me know if you need anything else. Thanks.

Bryan Sparks- Land Disposition Project Leader II
Arizona State Land Department

1110 W. Washington St., Suite 510

Phoenix, AZ 85007

(602) 542-2651 - Office / (602) 364-0272 - Fax

bsparks@azland.gov



Funding Arizona Public Schools and Institutions since 1915

On Wed, Mar 1, 2023 at 3:43 PM Pike, Dan <dpike@cecinc.com> wrote:

| Good afternoon, Bryan – My name is Dan Pike and I work with Civil and Environmental

Consultants (CEC) in Phoenix. CEC has been contracted by MTM Developers, Inc. to prepare a Phase I environmental site assessment (ESA) for the unleased ASLD property in Phoenix bounded to the north by Happy Valley Road, to the west by 29th Avenue, to the east by I-17 and to the south by a City of Phoenix Park and Ride facility. To complete the ESA, I would appreciate it if you could review and answer the questions below to the best of your ability and email your responses back to me by the end of the day tomorrow, Thursday, March 2nd:

How long have you been familiar with the property?

Are you aware of any historical uses of the property?

Are you aware of any hazardous materials or chemical use or storage at the property, current or historical, such as drums, underground storage tanks or aboveground storage tanks?

Are you aware of any spills, releases, or any form of soil or groundwater contamination on, or near, the property?

Are you aware of any legal proceedings involving the property?

Are you aware of any land use restrictions or environmental liens on the property?

If you have any questions or concerns, please let me know or feel free to call me at 480-254-7967.

Thanks very much,

Dan Pike, P.E. | *Assistant Project Manager*

Civil & Environmental Consultants, Inc.

11811 N. Tatum Blvd., Suite 3057, Phoenix, AZ 85028

direct 602.644.2183 **office** 602.760.2324 **mobile** 480.254.7967

www.cecinc.com

APPENDIX F

EDR AERIAL PHOTOGRAPHS



INQUIRY #: 7261508.8

YEAR: 1964

— = 500'





INQUIRY #: 7261508.8

YEAR: 1962

— = 500'





INQUIRY #: 7261508.8

YEAR: 1958

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 7261508.8

YEAR: 1954

— = 500'





INQUIRY #: 7261508.8

YEAR: 1949

— = 500'





INQUIRY #: 7261508.8

YEAR: 1940

— = 500'





Vacant Property

24725 N 29th Ave

Phoenix, AZ 85083

Inquiry Number: 7261508.8

February 27, 2023

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

02/27/23

Site Name:

Vacant Property
24725 N 29th Ave
Phoenix, AZ 85083
EDR Inquiry # 7261508.8

Client Name:

Civil & Env Consultants
11811 N. Tatum Blvd. Suite 3057
PHOENIX, AZ 85028
Contact: Dan Pike



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2019	1"=500'	Flight Year: 2019	USDA/NAIP
2015	1"=500'	Flight Year: 2015	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
1997	1"=500'	Acquisition Date: April 30, 1997	USGS/DOQQ
1986	1"=500'	Flight Date: December 30, 1986	EDR Proprietary Landiscor
1981	1"=500'	Flight Date: May 17, 1981	USDA
1979	1"=500'	Flight Date: June 09, 1979	USDA
1976	1"=500'	Flight Date: December 28, 1976	EDR Proprietary Landiscor
1964	1"=500'	Flight Date: January 29, 1964	USDA
1962	1"=500'	Flight Date: September 10, 1962	USGS
1958	1"=500'	Flight Date: January 01, 1958	USDA
1954	1"=500'	Flight Date: January 27, 1954	USDA
1949	1"=500'	Flight Date: March 27, 1949	USDA
1940	1"=500'	Flight Date: September 07, 1940	USDA

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INQUIRY #: 7261508.8

YEAR: 2019

— = 500'





INQUIRY # 7261508.8

YEAR: 2015

— = 500'





INQUIRY #: 7261508.8

YEAR: 2010

— = 500'





INQUIRY #: 7261508.8

YEAR: 2007

— = 500'





INQUIRY #: 7261508.8

YEAR: 1997

— = 500'





INQUIRY #: 7261508.8

YEAR: 1986

— = 500'



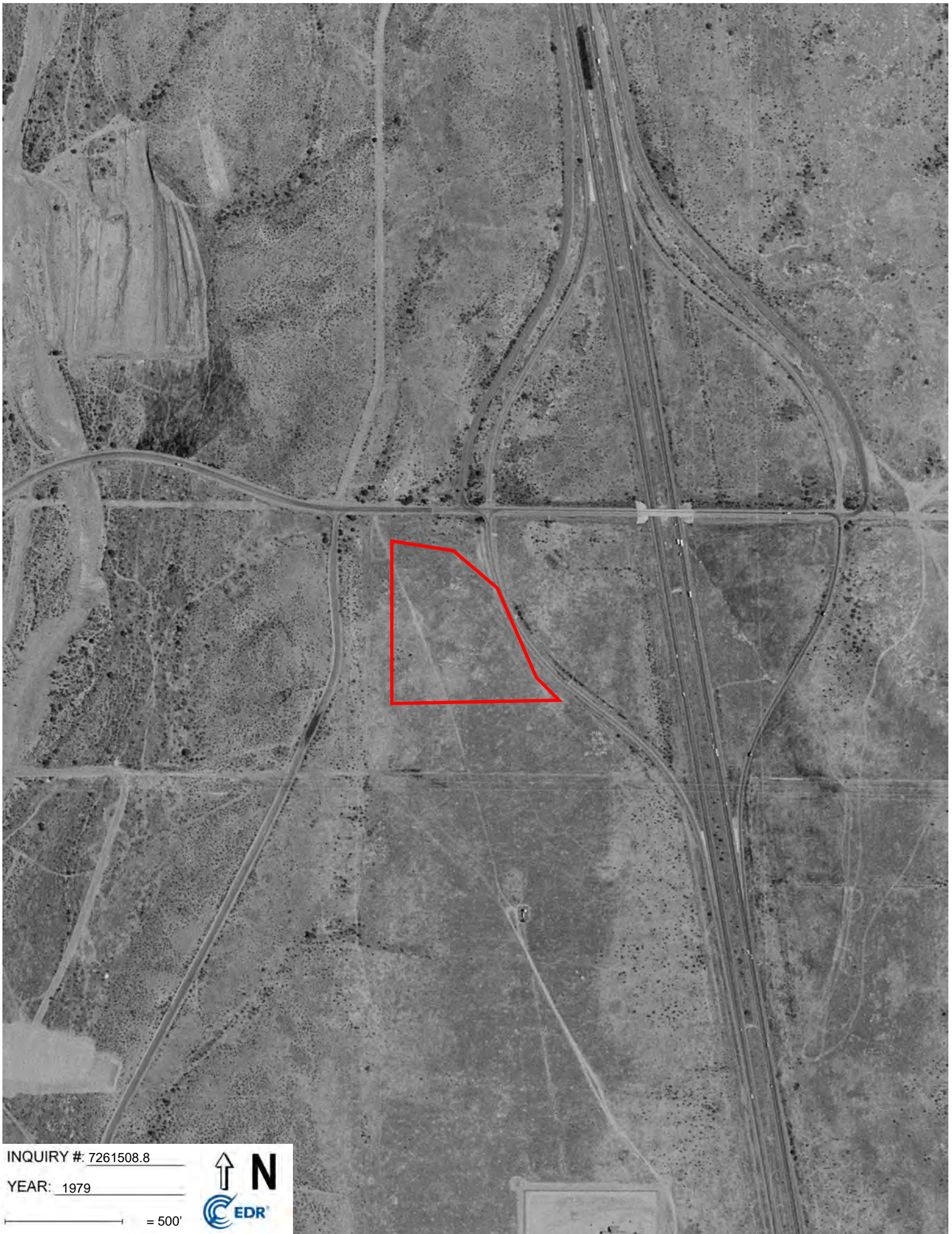


INQUIRY #: 7261508.8

YEAR: 1981

— = 500'



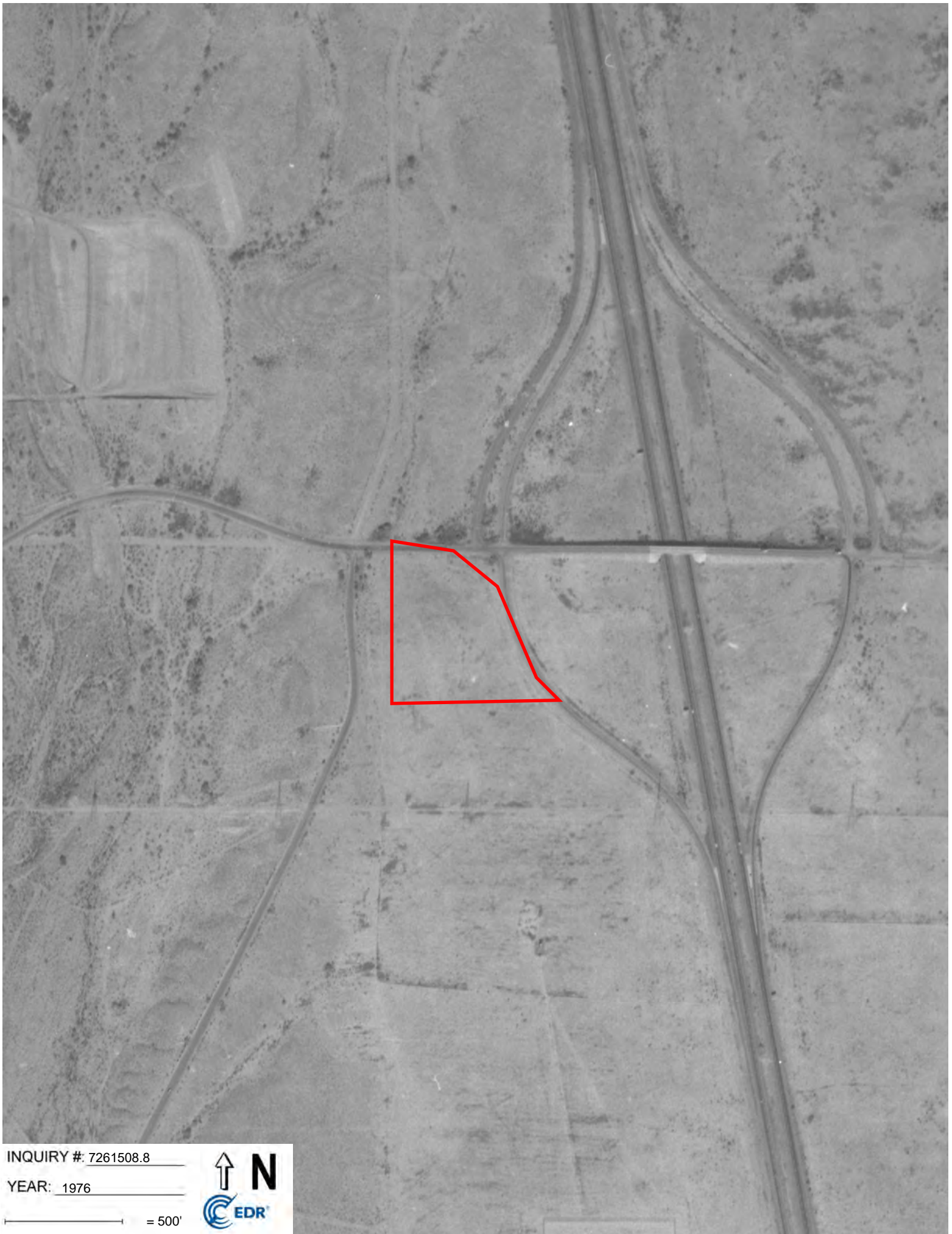


INQUIRY #: 7261508.8

YEAR: 1979

— = 500'





INQUIRY #: 7261508.8

YEAR: 1976

— = 500'



APPENDIX G

EDR HISTORIC TOPOGRAPHIC MAPS

Vacant Property
24725 N 29th Ave
Phoenix, AZ 85083

Inquiry Number: 7261508.4
February 23, 2023

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

02/23/23

Site Name:

Vacant Property
24725 N 29th Ave
Phoenix, AZ 85083
EDR Inquiry # 7261508.4

Client Name:

Civil & Env Consultants
11811 N. Tatum Blvd. Suite 3057
PHOENIX, AZ 85028
Contact: Dan Pike



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Civil & Env Consultants were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	33.710861 33° 42' 39" North
Project:	331-143	Longitude:	-112.120675 -112° 7' 14" West
		UTM Zone:	Zone 12 North
		UTM X Meters:	396156.20
		UTM Y Meters:	3730661.26
		Elevation:	1437.00' above sea level

Maps Provided:

2018
2014
1981
1973, 1974
1971
1964
1957

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Union Hills
2018
7.5-minute, 24000



Hedgpeth Hills
2018
7.5-minute, 24000

2014 Source Sheets

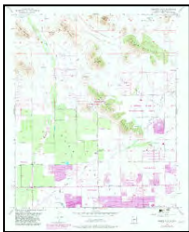


Union Hills
2014
7.5-minute, 24000

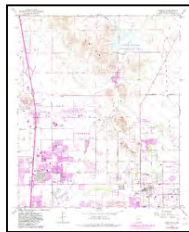


Hedgpeth Hills
2014
7.5-minute, 24000

1981 Source Sheets



Hedgpeth Hills
1981
7.5-minute, 24000
Aerial Photo Revised 1978

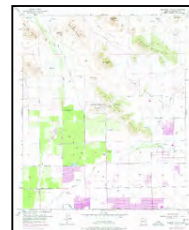


Union Hills
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1973, 1974 Source Sheets



Union Hills
1973
7.5-minute, 24000
Aerial Photo Revised 1973



Hedgpeth Hills
1974
7.5-minute, 24000
Aerial Photo Revised 1974

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1971 Source Sheets

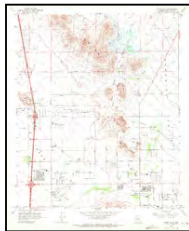


Hedgpeth Hills
1971
7.5-minute, 24000
Aerial Photo Revised 1971



Union Hills
1971
7.5-minute, 24000
Aerial Photo Revised 1971

1964 Source Sheets

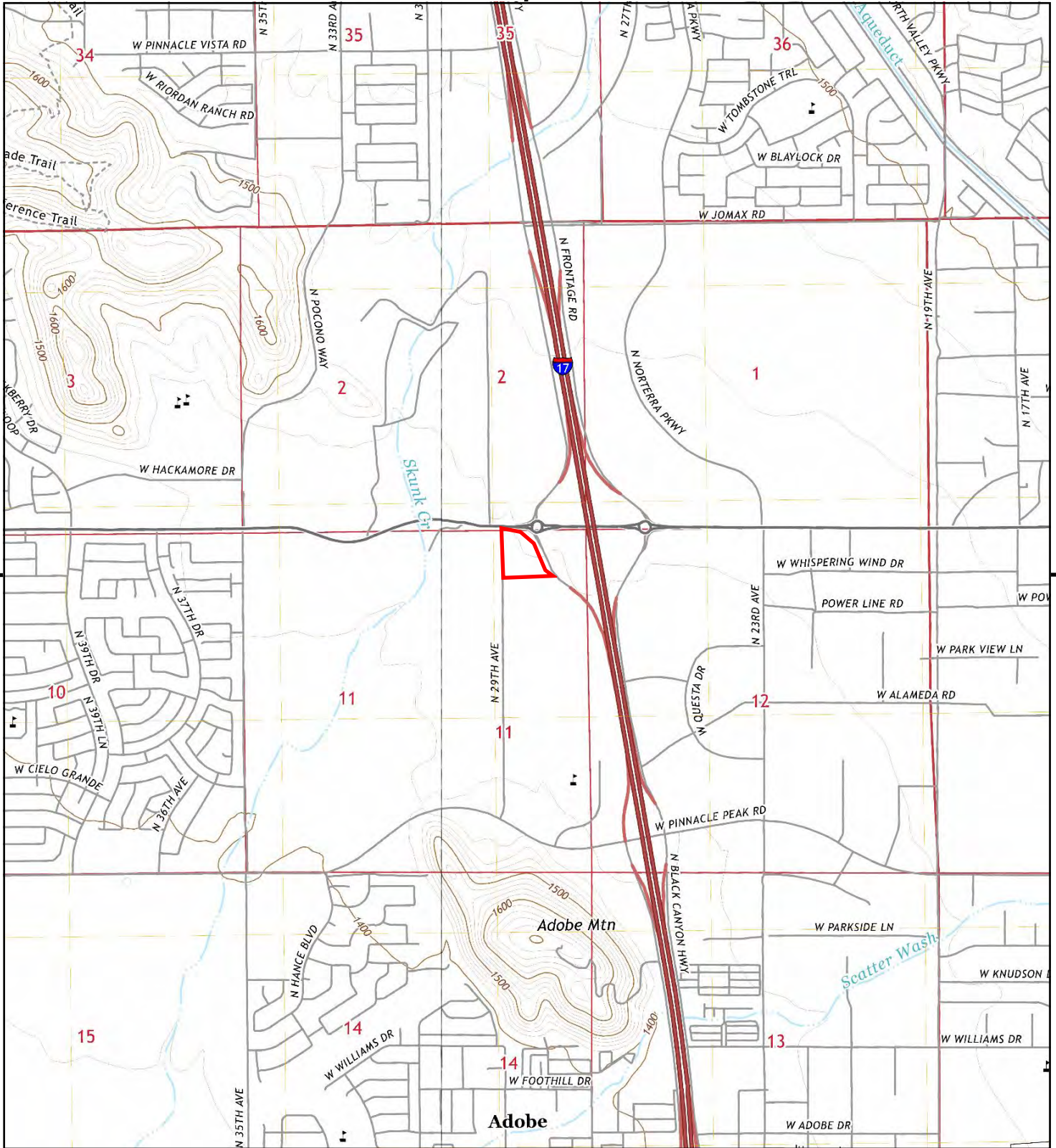


Union Hills
1964
7.5-minute, 24000
Aerial Photo Revised 1962

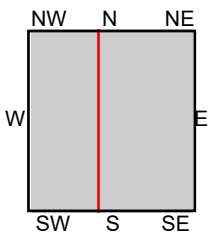
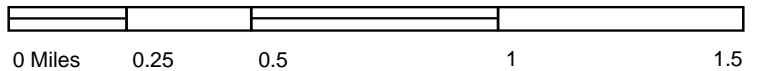
1957 Source Sheets



Hedgpeth Hills
1957
7.5-minute, 24000
Aerial Photo Revised 1954



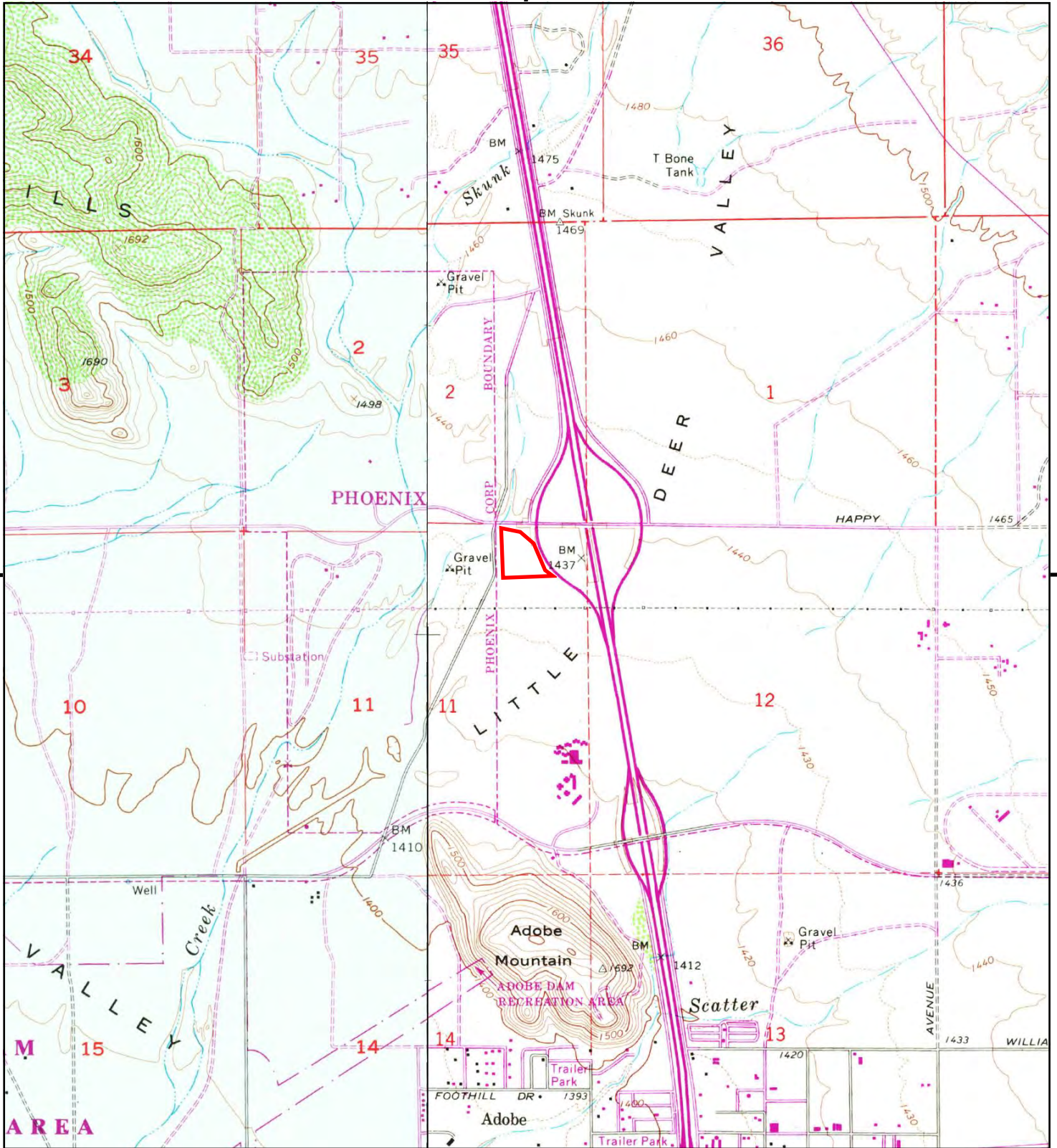
This report includes information from the following map sheet(s).



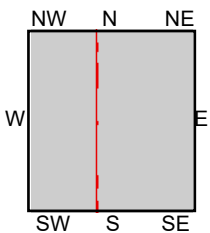
TP, Union Hills, 2018, 7.5-minute
 SW, Hedgpeh Hills, 2018, 7.5-minute

SITE NAME: Vacant Property
ADDRESS: 24725 N 29th Ave
 Phoenix, AZ 85083
CLIENT: Civil & Env Consultants





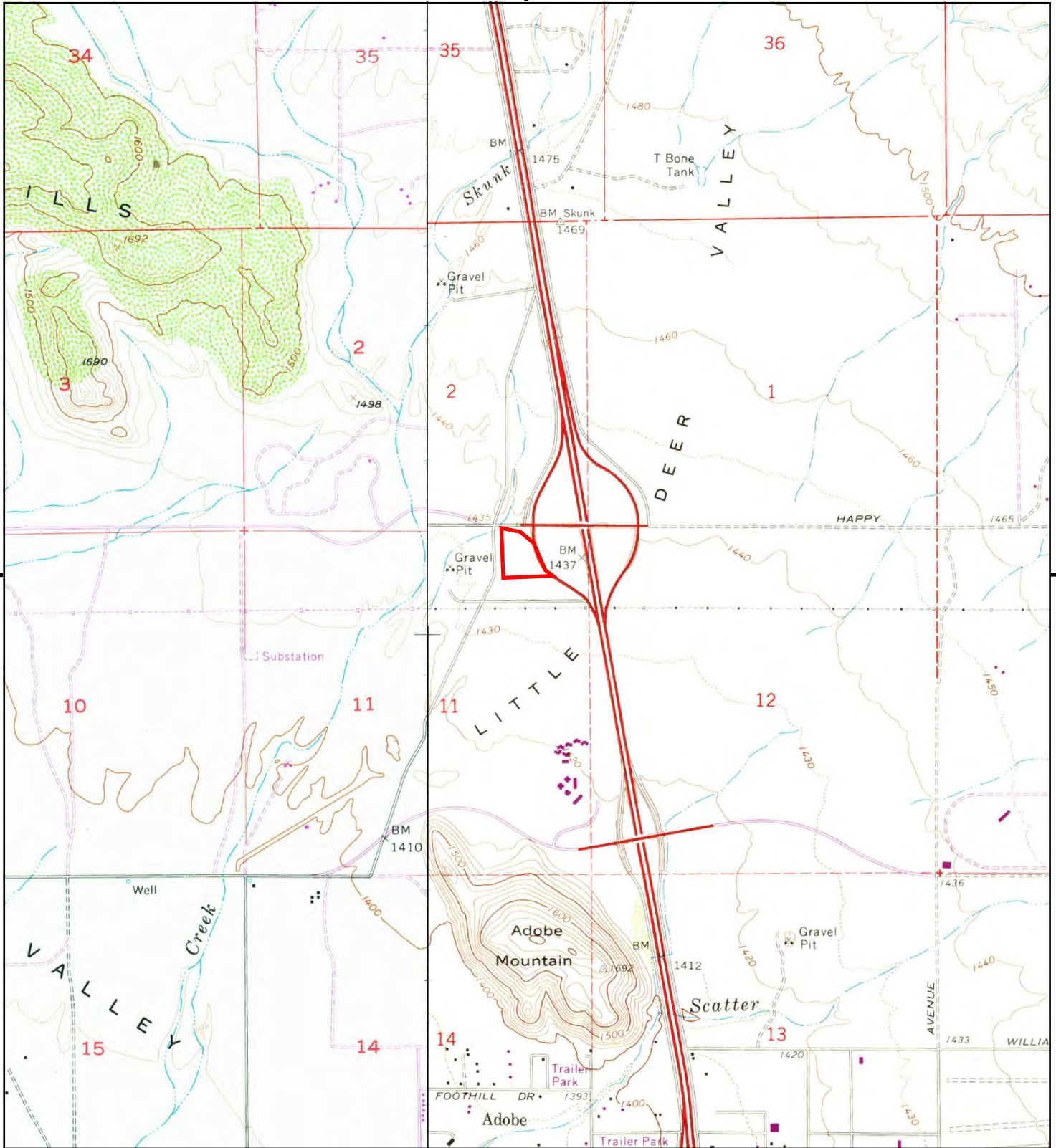
This report includes information from the following map sheet(s).



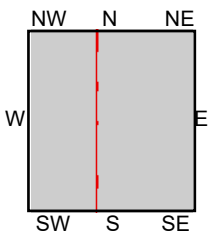
TP, Union Hills, 1981, 7.5-minute
 SW, Hedgpeh Hills, 1981, 7.5-minute

SITE NAME: Vacant Property
ADDRESS: 24725 N 29th Ave
 Phoenix, AZ 85083
CLIENT: Civil & Env Consultants





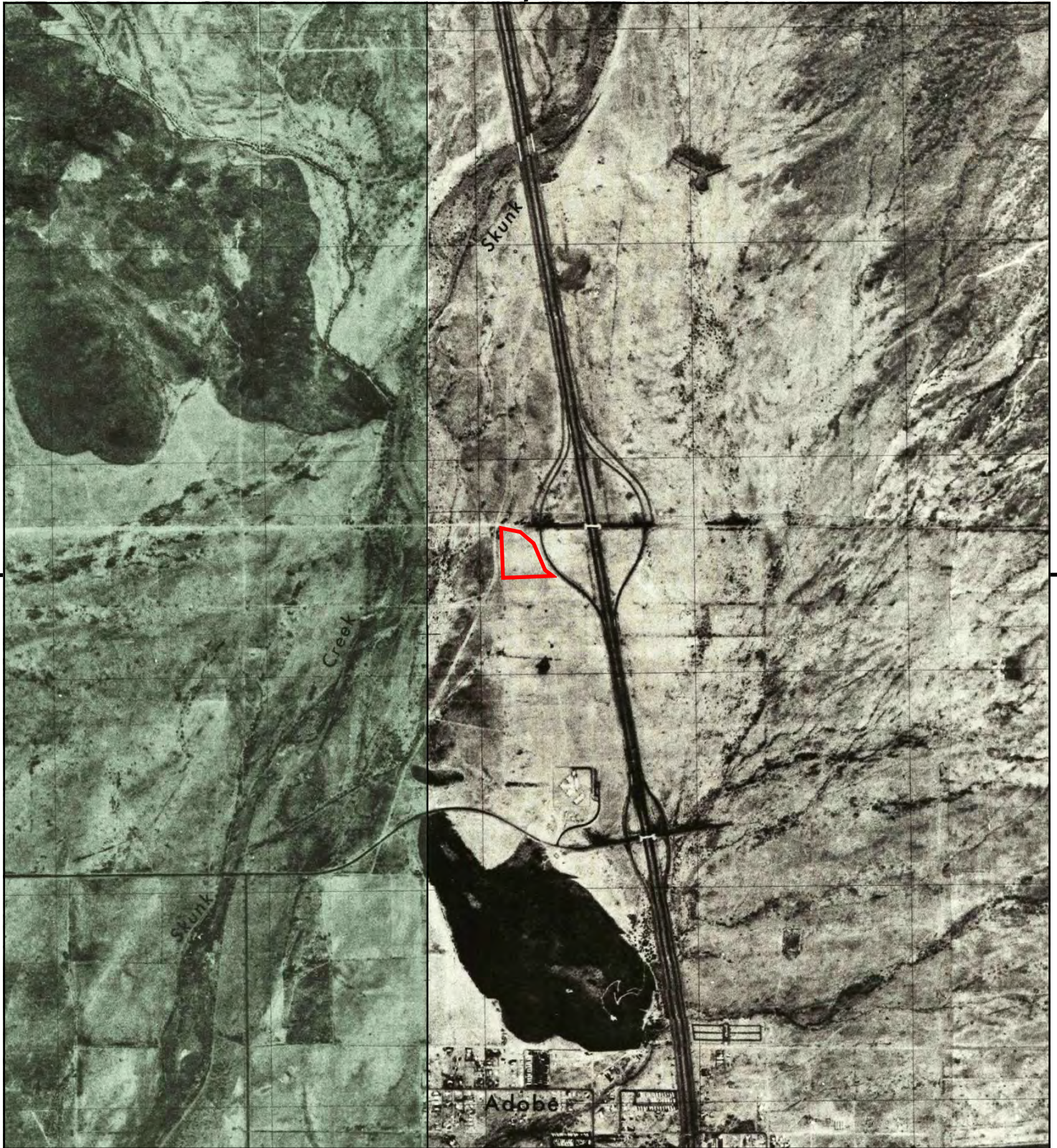
This report includes information from the following map sheet(s).



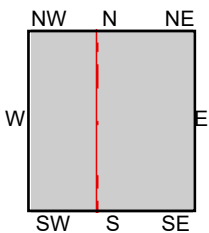
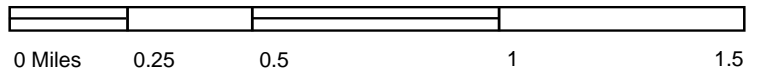
TP, Union Hills, 1973, 7.5-minute
 SW, Hedgpeh Hills, 1974, 7.5-minute

SITE NAME: Vacant Property
ADDRESS: 24725 N 29th Ave
 Phoenix, AZ 85083
CLIENT: Civil & Env Consultants





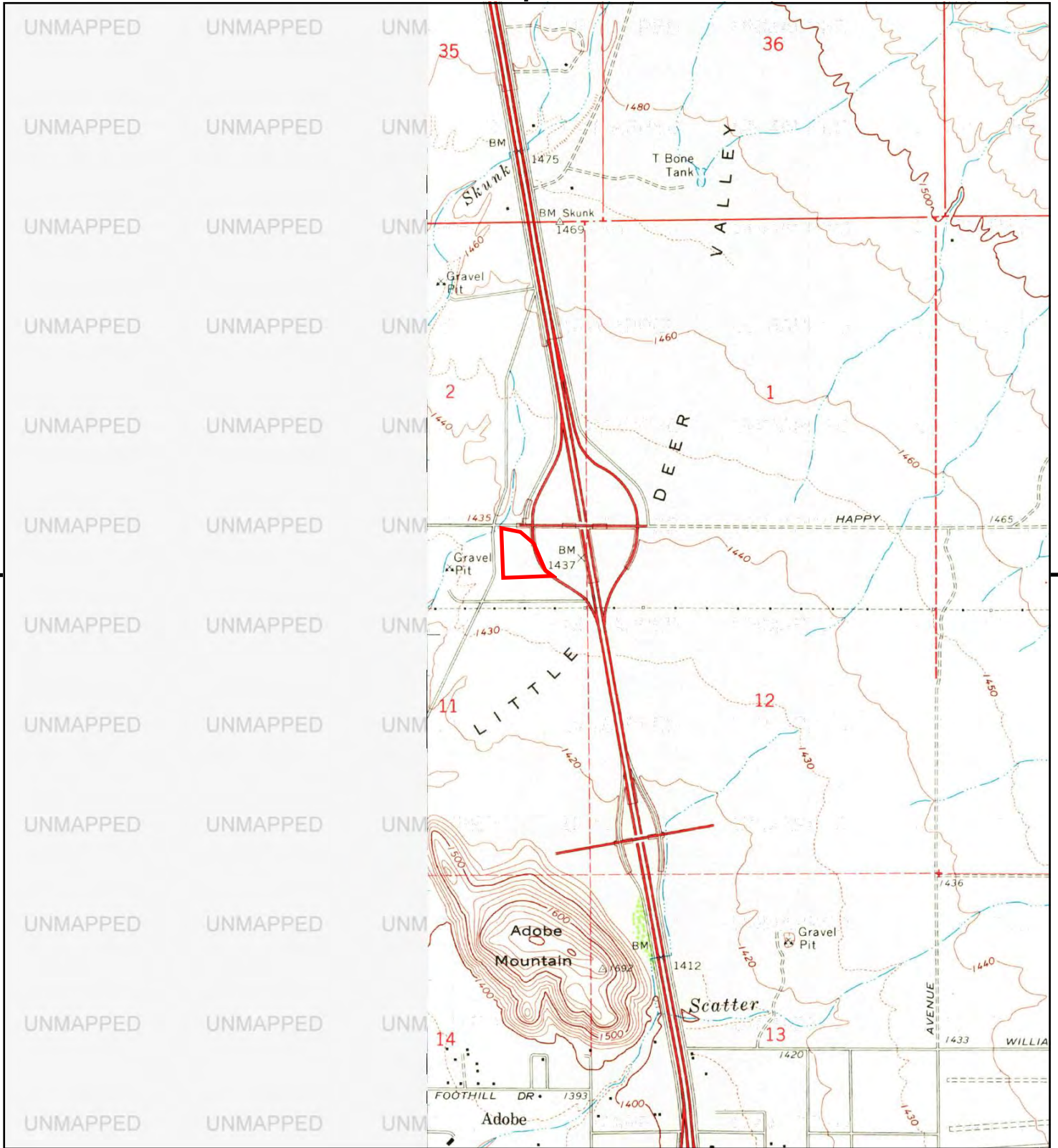
This report includes information from the following map sheet(s).



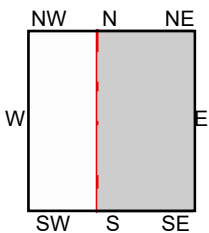
TP, Union Hills, 1971, 7.5-minute
SW, Hedgpeth Hills, 1971, 7.5-minute

SITE NAME: Vacant Property
ADDRESS: 24725 N 29th Ave
Phoenix, AZ 85083
CLIENT: Civil & Env Consultants





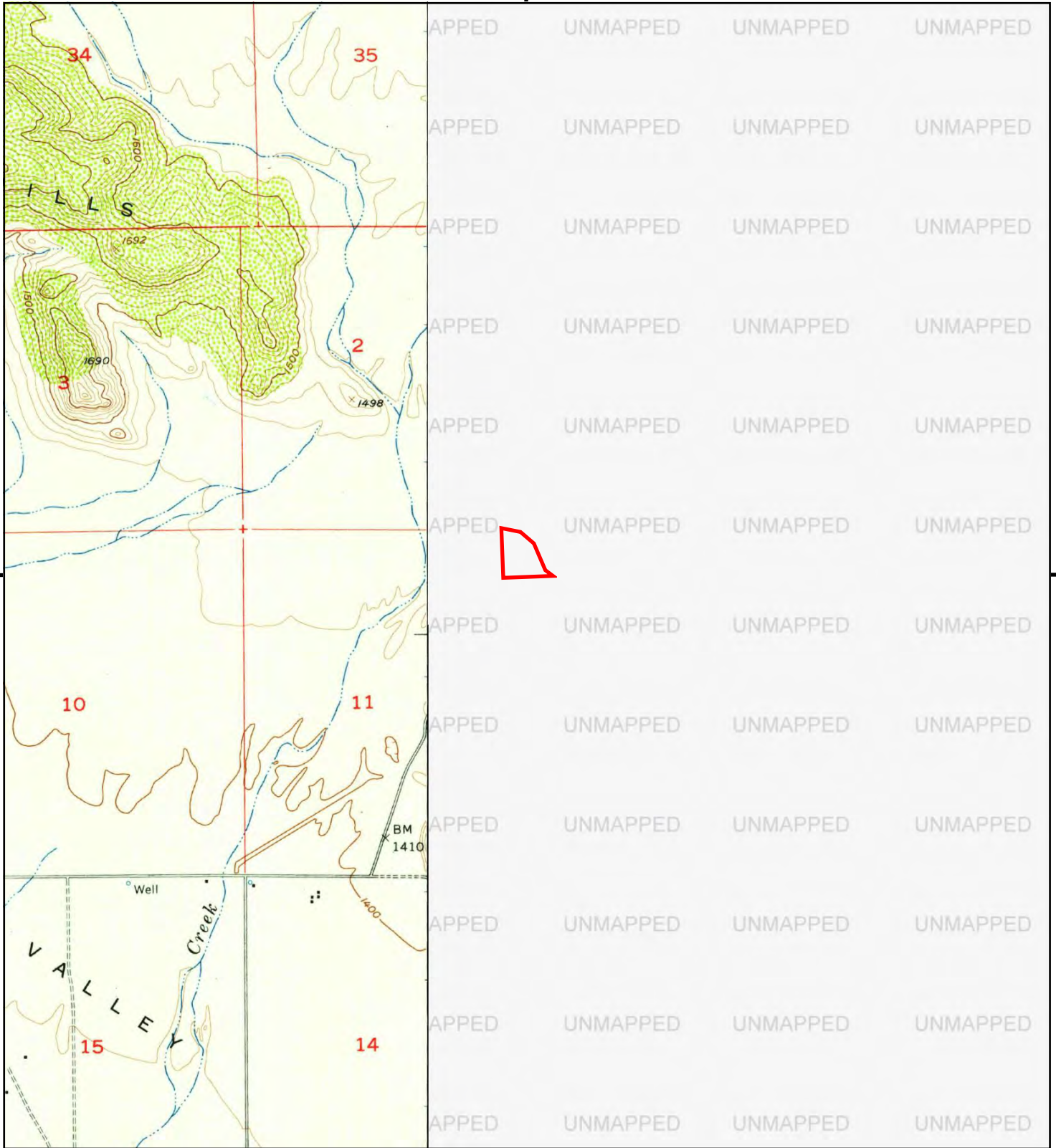
This report includes information from the following map sheet(s).



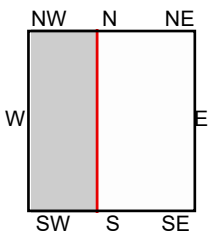
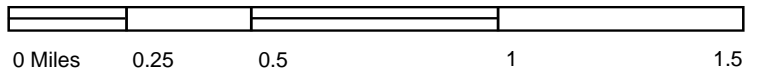
TP, Union Hills, 1964, 7.5-minute

SITE NAME: Vacant Property
ADDRESS: 24725 N 29th Ave
 Phoenix, AZ 85083
CLIENT: Civil & Env Consultants





This report includes information from the following map sheet(s).



SW, Hedgpeth Hills, 1957, 7.5-minute

SITE NAME: Vacant Property
 ADDRESS: 24725 N 29th Ave
 Phoenix, AZ 85083
 CLIENT: Civil & Env Consultants



APPENDIX H

EDR SANBORN MAP REPORT



Vacant Property

24725 N 29th Ave

Phoenix, AZ 85083

Inquiry Number: 7261508.3

February 23, 2023

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

02/23/23

Site Name:

Vacant Property
24725 N 29th Ave
Phoenix, AZ 85083
EDR Inquiry # 7261508.3

Client Name:

Civil & Env Consultants
11811 N. Tatum Blvd. Suite 3057
PHOENIX, AZ 85028
Contact: Dan Pike



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

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

Certified Sanborn Results:

Certification # D9F4-4D9F-B55A
PO # NA
Project 331-143

UNMAPPED PROPERTY

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



Sanborn® Library search results

Certification #: D9F4-4D9F-B55A

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

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

The Sanborn Library LLC Since 1866™

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APPENDIX I

EDR CITY DIRECTORIES

Vacant Property

24725 N 29th Ave
Phoenix, AZ 85083

Inquiry Number: 7261508.5

February 23, 2023

The EDR-City Directory Abstract

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Executive Summary

Findings

City Directory Images

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with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2017. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2017	Cole Information Services	-	-	-	-
2014	Cole Information Services	-	-	-	-
2009	Cole Information Services	-	X	X	-
2006	Hill-Donnelly Information Services	-	X	X	-
2004	Cole Information Services	-	X	X	-
2001	Hill-Donnelly Information Services	-	X	X	-
1999	Cole Information Services	-	X	X	-
1994	Cole Information Services	-	X	X	-
1993	U S West Direct	-	-	-	-
1987	Mountain Bell AU S West Co.	-	-	-	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1985	US WEST DIRECT	-	-	-	-
1982	R. L. Polk Co.	-	-	-	-
1979	R. L. Polk & Co.	-	-	-	-
1977	R. L. Polk & Co.	-	-	-	-
1970	The Mountain States Telephone and Telegraph Co.	-	-	-	-
1968	R. L. Polk & Co.	-	-	-	-
1965	R. L. Polk & Co.	-	-	-	-
1964	R. L. Polk & Co.	-	-	-	-
1960	Mullin-Kille Co.	-	-	-	-
1955	Mullin-Kille Co.	-	-	-	-
1952	Mullin - Kille Company and Baldwin ConSurvey	-	-	-	-
1950	The Baldwin and Mullin-Kille Co.	-	-	-	-
1947	Southside Directory Company	-	-	-	-
1945	Phoenix Directory Co	-	-	-	-
1940	Arizona Directory Co.	-	-	-	-
1935	Arizona Directory Co.	-	-	-	-
1930	Arizona Directory Co	-	-	-	-
1925	Arizona Directory	-	-	-	-
1920	Arizona Directory	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

24725 N 29th Ave
Phoenix, AZ 85083

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

N 29TH AVE

24601 N 29TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	STYLIN A TOUCH OF CLASS	Cole Information Services
	ARIZONA STATE GOVERNMENT	Cole Information Services
	BLACK CANYON JUVENILE INST PHARMACY	Cole Information Services
	STYLIN IN CLASS COSMETOLOGY SCHOOL	Cole Information Services
	ARIZ DEPT JUVENILE CORRECTIONS	Cole Information Services
2006	Az Department Juvenile Crctn	Hill-Donnelly Information Services
2004	BLACK CANYON JUV INST	Cole Information Services
	BLACK CANYON JVNIL INST PHRMICY	Cole Information Services
2001	No Current Listing	Hill-Donnelly Information Services
1999	BLACK CANYON BOOT CAMP	Cole Information Services
1994	YOUTH TREATMENT	Cole Information Services

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched

24601 N 29TH AVE

24601 N 29TH AVE

Address Not Identified in Research Source

2017, 2014, 2009, 2004, 1999, 1994, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920

2017, 2014, 2006, 2001, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

24725 N 29th Ave

Address Not Identified in Research Source

2017, 2014, 2009, 2006, 2004, 2001, 1999, 1994, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920

APPENDIX J

QUALIFICATIONS OF CEC PERSONNEL

Daniel Pike, P.E.
Assistant Project Manager



7 YEARS OF EXPERIENCE

EDUCATION

B.S., Environmental Science, University of Arizona, 2012

M.S., Environmental Engineering, Oregon State University, 2014

Mr. Pike has more than 7 years of experience in the field of environmental science and engineering and project management.

Mr. Pike began his career in environmental consulting in 2015 following completion of an MS program in Environmental Engineering at Oregon State University. He is experienced in a variety of aspects of environmental management in the field of leaking underground storage tank (LUST) characterization, remediation and risk assessment. Skills include field data collection, remediation system design and optimization, risk assessment and LUST closure. Mr. Pike has prepared and received approval for the drilling, installation and abandonment of groundwater monitor and remediation wells with the Arizona Department of Water Resources and the New Mexico Office of the State Engineer; submitted groundwater monitoring, remediation system operations and maintenance and underground storage tank closure reports and LUST corrective action completion report / closure requests (CACR/CR) with the Arizona Department of Environmental Quality (ADEQ) and New Mexico Environment Department (NMED); and prepared use permits for remediation system installation with municipal governments.

PROJECT EXPERIENCE

LUST Remediation, Scottsdale, Arizona*

Role: Project Engineer

Assisted with the design of a soil vapor extraction (SVE) remediation system at a leaking underground storage tank (LUST) site in Scottsdale. The SVE remediation system was operated to remove volatile organic compounds in soil and soil vapor at a former service station. Managed a soil vapor survey and prepared alternative LUST file closure request. LUST file closure saved client months of unnecessary remediation system operation costs.

LUST Remediation, Phoenix, Arizona*

Role: Project Manager

Analyzed a wide variety of remedial alternatives for a LUST site in Phoenix, Arizona. The associated LUST file has been open for more than 25 years and various remedial alternatives had previously been applied. Estimated potential costs and technical efficacy and prepared a feasibility study to identify a cost-effective and technically reasonable method to work towards LUST file closure. Arizona Department of Environmental Quality (ADEQ) agreed with the assessment and the recommended corrective action. The recommended corrective action was a relatively low-cost solution and was rapidly deployed.

LUST Remediation, Yuma, Arizona*

Role: Project Manager

EXPERTISE

Phase II Environmental Site Assessments

Leaking Underground Storage Tank Investigation

Leaking Underground Storage Tank Remediation

Leaking Underground Storage Tank Risk Assessment

REGISTRATIONS

Professional Engineer

- AZ 70272
- NM 27099

CERTIFICATIONS

40-Hour OSHA HAZWOPER, Occupational Safety & Health Administration

HAZWOPER 8 Hour Annual Refresher, National Environmental Trainers

First Aid, American Red Cross

CPR and AED, American Health & Safety Institute



Ryan D. Dunning

Vice President



28 YEARS OF EXPERIENCE

EDUCATION

A.S., Natural Sciences, Washtenaw Community College, 1992

B.S., Geology, Eastern Michigan University, 1995

Mr. Dunning is a Principal Geologist with 26 years of experience in matters involving environmental and earth science. Mr. Dunning is responsible for technical program development and management, QA/QC technical review, technical staff training and administration, cost and schedule control, and client development and relations. He is experienced in environmental due diligence, due care, petroleum and industrial site investigation and remediation, UST management and corrective action, asbestos management, regulatory compliance and permitting, and facility decommissioning. Additionally, Mr. Dunning has extensive experience associated with environmental real estate issues and brownfield redevelopment.

He managed and performed numerous development feasibility studies for various clients including a national grocery store chain, developers, and property owners. The studies included reviewing zoning code requirements, site plan submittal schedule and provisions, costs associated with various municipal regulations and utilities connections, meetings with municipal planners and officials, and numerous other development related issues.

Mr. Dunning managed and performed hundreds of Phase I and II Environmental Site Assessments (ESAs) across the country and in Canada for a variety of clients, including real estate developers, lending institutions, manufacturers, and utilities. Activities included proposal and report preparation, site reconnaissance, historical and regulatory research, and technical/quality review.

Mr. Dunning managed and performed numerous asbestos building inspections for a variety of clients, including real estate developers, construction and demolition companies, lending institutions, and individual property owners. When necessary for renovation or demolition purposes, oversight and management of abatement activities have been completed as well.

He has managed underground storage tank removal and remediation projects for various petroleum and commercial companies at filling stations, bulk fuel plants, and commercial/industrial sites. Specific duties included work plan preparation, supervision and coordination of installation, removal, and remediation activities, coordination of numerous waste streams, verification sampling, and regulatory reporting, permitting, and communication.

Mr. Dunning also has experience with hollow stem, rotary, sonic, and core drilling equipment; direct push sampling rigs; soil, soil gas, and groundwater sampling methods; data loggers for single and multiple well aquifer testing; aquifer performance

EXPERTISE

- Project Management
- Due Diligence and Feasibility Studies
- Site Investigation and Remediation
- Brownfield Redevelopment
- Underground Storage Tank Management
- Asbestos/Mold Management

CERTIFICATIONS

- Class A/B UST Operator, Arizona Department of Environmental Quality
- Asbestos Building Inspector, Asbestos Hazard Emergency Response Act (AHERA)
- Certified Storm Water Operator - Industrial Site, Michigan Department of Environmental Quality



Ryan D. Dunning

Vice President

analysis; groundwater modeling; ground penetrating radar; electromagnetic geophysical survey equipment; and laser induced fluorescence equipment.

PROJECT EXPERIENCE

Public Sector | Municipal

Brownfields Grant Assistance, City of Troy, MI

Managed the procurement of brownfield funding to assist with the redevelopment of a brownfield site into a national bank branch in Troy, Michigan. Mr. Dunning managed the preparation of a Brownfield Plan, which was submitted to the Brownfield Redevelopment Authority and approved. As part of the plan, the City of Troy allocated \$481,000 through tax increment financing to fund demolition, due care activities, and remediation of metals and hydrocarbon contaminated soil and geotechnically unsuitable fill. Mr. Dunning has since overseen these activities and the site has been successfully redeveloped.

Public Sector | State

Remedial Investigation and Feasibility Study for Chlorinated Solvents Contaminated Site, Michigan Department of Environmental Quality, Hillsdale, MI

Conducted a geophysical investigation and large-scale remedial investigation to address a chlorinated solvents plume nearly 2,000 feet long for the Michigan Department of Environmental Quality in Hillsdale, Michigan. Prepared a Part 213 Final Assessment Report and Focused Feasibility Analysis. Designed a remediation system for the groundwater contamination consisting of an ozone sparging system, groundwater collection trenches, a groundwater "pump and treat" system, and installation of an impermeable "slurry wall" to stop contaminated groundwater migration. Mr. Dunning prepared a biddable specification package, to be distributed for an open bid, to remediate 15,000 tons of contaminated soil, remove USTs, and install new drinking water wells at two residences. Mr. Dunning also provided engineering oversight and management during the remediation activities.

Remedial Investigation of Abandoned Marina, Michigan Department of Environmental Quality, Fenton, MI

Managed a large-scale remedial investigation on a hydrocarbon plume at an abandoned marina in Fenton, Michigan. Mr. Dunning served as a contract Project Manager for the Michigan Department of Environmental Quality overseeing an engineering and consulting firm and a trade contractor. Provided investigation oversight, plan development, and report and invoice review and approval.

Public Sector | County

Remedial Investigation and Design, Detroit/Wayne County Metropolitan Airport, Romulus, MI

Performed remedial investigations and remediations on 35 individual properties with soil and groundwater contamination in Romulus, Michigan to facilitate the development of a fourth runway, a new access road, and a new terminal for the Detroit/Wayne County Metropolitan Airport. These sites included leaking UST sites, hazardous waste sites, and a landfill.

Real Estate | Retail

31 Phase I ESAs on a Retail Gas Station/C-Store Portfolio, Southern and Central TX, Citizens Bank, Southern and Central TX

Role: Principal

Coordinated and managed Phase I ESAs on a portfolio of retail gas station/C-stores within a three-week timeframe to facilitate financing by a National Lender. The ESAs included a review of regulatory files pertaining to every UST system and an Operational Compliance Review to identify potential operations and maintenance deficiencies indicative of potential releases. The reports included recommendations and cost estimates to correct compliance issues.

BEA for Retail Strip Center, Garden City, MI

Prepared and submitted a Category "S" BEA for a large retail strip center in Garden City, Michigan. Conducted a Phase I and II ESA on an operating dry cleaner to facilitate the preparation of a BEA and 20107a Compliance Analysis to be submitted to the MDEQ for an exemption from liability. The BEA was conducted to establish a means of differentiating between existing contamination and any potential future releases of dry cleaning solvent. Physical barriers and isolation zones were established to meet MDEQ requirements. The BEA was affirmed by the MDEQ.

Divestiture Due Diligence for a Major Restaurant Portfolio, Eastern U.S., Confidential, Eastern U.S.

Role: Principal

Ryan D. Dunning

Vice President

Coordinated and co-managed a team of over 30 professionals to complete Phase I ESAs and ALTA surveys on 151 restaurants across the eastern half of the U.S. for a large law firm to assist in positioning the portfolio for sale. Once the initial Phase I ESAs were completed, several properties were identified for Phase II ESAs, which involved geophysical surveys and subsurface investigations to evaluate the potential extent of soil and groundwater impact. Risk associated with identified impact was evaluated and recommendations were developed to manage potential liability associated with a property transaction. The project was completed within two months and all 151 properties were successfully sold.

Real Estate | Industrial

Site Investigation and Remediation of Chlorinated Solvent-Impacted Industrial Site, Hillsdale, MI

Performed remedial investigation and feasibility study to remediate groundwater impacted with TCE and associated daughter products within a fractured sandstone saturated zone approximately 50 feet below the surface and over ¼ mile long. Mr. Dunning and his team designed and performed pilot tests to evaluate in-situ chemical oxidation using activated sodium persulfate and in-situ enhanced bioattenuation/bioaugmentation. The results of the pilot tests were favorable for both methods, but bioattenuation/bioaugmentation emerged as the most economically feasible. His team designed and implemented a remediation program to stimulate and enhance reductive dechlorination of the TCE consisting of the injection of a microemulsion of a controlled-release, food-grade carbon, nutrients, and iron and *Dehalococcoides* bacteria inoculum that was gravity fed into a network of 17 injection wells within the source area. Periodic performance monitoring showed that reducing conditions in the source area saturated zone lasted for nearly two years and reduced TCE and its breakdown products by an average of 76%. Mr. Dunning is currently managing a monitored natural attenuation program to address the downgradient extent of the TCE plume.

Remedial Investigation and Feasibility Study of 45-Acre Industrial Site, Battle Creek, MI

Performed a remedial investigation on a large industrial property in Battle Creek, Michigan. Installed 140 soil borings and 80 monitoring wells on the 45-acre industrial site to define extent of metals and chlorinated solvent contamination in soil and groundwater. Conducted a 24 hour aquifer pump test. Interpreted and compiled hydrogeologic data from the onsite wells to determine aquifer performance and groundwater contamination distribution. Prepared a Remedial Action Plan, including a feasibility study of various remediation methods that facilitated the reuse of the site as research and development facility for a Fortune 500 company without major remediation expenditures.

Remedial Investigation and Feasibility Study of Junk Yard Site, Northern Michigan

Performed remedial investigation and feasibility study to remediate hydrocarbon and metals contaminated soil at an operating junk yard situated within federally protected wetlands in Northern Michigan. Prepared a specification package to remove perform "hot spot" remediation and cap the remainder of the site with an impermeable clay material to prevent surface water infiltration and commingling of potential future releases of hydrocarbons from the junk yard. Also performed long term monitoring to verify the effectiveness of the cap.

Gas & Oil | Well Pads

Crude Oil Release Investigation Third Party Review, Confidential Client, MI

On behalf of an environmental insurance company, provided oversight and technical peer review of another firm's investigation of a subsurface crude oil release from a central tank battery in a major Michigan oil field. Mr. Dunning also conducted a forensic investigation into the cause and nature of the release to facilitate a determination of coverage.

Solid Waste | Landfill

Environmental Assessment of Abandoned Landfill, Fort Gratiot, MI

Managed an assessment of an abandoned landfill in Fort Gratiot, Michigan to determine its condition and assisted in the preparation of a plan to reopen the facility to accept waste. After submittal of the plan and negotiations with the State of Michigan and the St. Clair County Health Department, the facility reopened as a Type II landfill.

Merger & Acquisition Due Diligence for Material Recovery Facilities, Across the U.S., Republic Services, Across the U.S.

Role: Principal

Coordinated and managed a team of 20 professionals to complete Phase I ESAs and Compliance Reviews on 31 material recovery facilities owned by ReCommunity to facilitate their acquisition by Republic Services. The facilities were located across the country in AZ, CT, DE, FL, GA, MI, NC, NJ, NY, OH, PA, TN, TX, and WI. The project was completed within a two-week timeframe to accommodate a very short due diligence window. The reports included recommendations and cost estimates to correct compliance issues.

Ryan D. Dunning
Vice President

TRAINING

ASTM Risk-Based Corrective Action (RBCA) Applied at Petroleum Release Sites Training, 2006

Michigan Specific RBCA Training, 1995, 1996

Michigan Qualified UST Consultant Training, 2001

40-Hour OSHA 29 CFR 1910.120, 1994

8-Hour OSHA Annual Refresher (annually since 1995)

4-Hour Confined Space OSHA 29 CFR 1910.146, 1996

ASTM Environmental Site Assessments for Commercial Real Estate, 2012

PROFESSIONAL AFFILIATIONS

American Institute of Professional Geologists

Air & Waste Management Association

Environmental Professionals of Arizona

NAIOP - Arizona Chapter

Environmental Bankers Association

Arizona Forward

International Council of Shopping Centers

ASTM International

PRESENTATIONS

Ryan Dunning. "Brownfields: They're Not Just For Cool Cities Anymore." Michigan Association of Counties Annual Conference, Kalamazoo, MI, August 2005

Daniel Pike, P.E.
Assistant Project Manager

Designed and managed the installation and permitting for an air sparge / vapor extraction remediation system at a LUST site in Yuma. Continued to manage and optimize the remediation system. The system recovered an estimated 163,000 pounds of volatile fuel hydrocarbons over almost 23,000 hours of operation. Following remediation system shut-down, monitored natural attenuation was conducted to demonstrate dissolved-phase contaminant plume stability and a LUST file corrective action completion report / closure request (CACR/CR) was submitted and subsequently approved by ADEQ.

LUST Risk Assessment and Closure, Sedona, Arizona*

Role: Project Engineer

As a project engineer, prepared a CACR for a LUST file associated with a former service station in Sedona, Arizona. Remedial techniques including ozone sparging and in-situ chemical injection (ISCO) had been previously applied to remediate soil and groundwater contaminated with various petroleum constituents. Used the Mann-Kendall Statistical Method and BIOSCREEN software to indicate dissolved-phase contaminant plume stability. ADEQ closed the LUST file following CACR submittal.

SPCC Plan Review, Maricopa County, Arizona*

Role: Project Engineer

Reviewed the Spill Prevention, Control and Countermeasures (SPCC) plan for a new solar energy production facility in Maricopa County, Arizona. Regulated fluids stored at the facility include diesel fuel and transformer oil. Worked with the SPCC plan preparer to address required items as described in 40 CFR 112.

Phase II Environmental Site Assessment*

As a project manager, oversaw the execution of Phase II Environmental Site Assessments (ESAs) at four operating auto dealerships in Arizona and New Mexico. Coordinated with the client, subcontractors and field staff to investigate recognized environmental concerns including oil-water separators, stained surfaces and former underground storage tanks. Soil samples were collected for laboratory analysis from soil borings advanced using a direct-push technology drill rig. Results and conclusions were presented in a report for the client. Phase II ESA activities were conducted within budget and according to the proposed schedule.

Risk Assessment, Utah *

Role: Project Engineer

As a project engineer, assessed the trends for over 20 years of groundwater analytical data collected at a LUST site in Utah. Used the Mann-Kendall Statistical Method embedded within the ProUCL software developed by the Environmental Protection Agency EPA to determine whether concentrations of dissolved phase contaminants of concern were increasing, decreasing or exhibiting no discernible trend at a given confidence level. Results were tabulated and summarized for presentation to the client and were instrumental in developing a remedial path forward towards LUST closure.

** Work performed prior to joining CEC*