



REPORT
PHASE I ENVIRONMENTAL SITE
ASSESSMENT
PROPOSED DETENTION BASIN
SEC QUEEN CREEK AND MCQUEEN
ROADS
CHANDLER, ARIZONA

Prepared For
FLOOD CONTROL DISTRICT OF
MARICOPA COUNTY

URS Job No. E1-15448010.58
June 17, 2002





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June 17, 2002

Ms. Theresa Pinto
Flood Control District of Maricopa County
2801 West Durango Street
Phoenix, Arizona 85009-6399

Re: Report
Phase I Environmental Site Assessment
Proposed Detention Basin
SEC Queen Creek and McQueen Roads
In Chandler, Arizona
for Flood Control District of Maricopa County
URS Job No. E1-15448010.58

Dear Ms. Pinto:

Pursuant to your request, URS has completed the Phase I Environmental Site Assessment for the above-referenced property. The attached report summarizes the findings of this assessment.

We are pleased to be of service to the Flood Control District of Maricopa County. Should you have any questions or if we may be of some additional service, please contact URS at (602) 371-1100.

Sincerely,

URS

Marianne Burrus
Project Environmental Scientist

Robert J. Petrisko
Environmental Assessment Manager
Due Diligence

RJP/tc

URS Corporation
7720 North 16th Street, Suite 100
Phoenix, AZ 85020
Tel: 602.371.1100
Fax: 602.371.1615

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1.0 INTRODUCTION

URS was retained by the Flood Control District of Maricopa County (FCDMC) to conduct a Phase I Environmental Site Assessment (ESA) on the Proposed Detention Basin Project located near the southeast corner of Queen Creek and McQueen Roads in Chandler, Maricopa County, Arizona (the "site" or the "subject property"). This Phase I ESA was conducted in accordance with URS' revised proposal to the FCDMC, dated January 30, 2002. This Phase I ESA was conducted to review past and current land use practices at the site and on adjacent properties at the time of our site reconnaissance and is consistent with the methods and procedures described in the American Society for Testing and Materials (ASTM) "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (Standard Designation E 1527-00), published in September 2000. The Phase I ESA objectives, scope, and limitations are presented in the following sections.

1.1 PURPOSE AND SCOPE OF WORK

The Phase I ESA was performed in accordance with ASTM Standard E 1527-00. This assessment was conducted to identify recognized environmental conditions associated with the subject property. ASTM defines recognized environmental conditions as the presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release into structures, ground, groundwater, or surface water on the subject property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

The environmental assessment was accomplished by, and limited to, a reconnaissance of the site, a review of publicly available records, a review of pertinent documentation presently and readily available from the FCDMC and/or through URS' standard resources, and interviews with knowledgeable individuals. The site vicinity is defined as the neighboring properties and facilities within an approximate distance of ¼ mile of the site, the nature of which may adversely affect or have affected environmental conditions at the site due to the presence and/or release of hazardous substances or petroleum products to the environment. The report is intended for the exclusive use of the FCDMC. URS' scope of services for the environmental site assessment included the following elements:

Type of Database	Description of Database	Radius Searched
NPL	The National Priorities List (NPL) identifies uncontrolled or abandoned hazardous waste sites. To appear on the NPL, sites must have met or surpassed a predetermined hazard ranking system score, been chosen as a state's top priority site, pose a significant health or environmental threat, or be a site where the EPA has determined that remedial action is more cost-effective than removal action.	1 mile
CERCLIS	The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database identifies hazardous waste sites that require investigation and possible remedial action to mitigate potential negative impacts on human health or the environment.	0.5 mile
RCRA TSDs	Resource Conservation and Recovery Act (RCRA) treatment, storage, or disposal (TSD) sites.	1 mile
CORRACTS	RCRA TSD facilities ordered to implement corrective actions.	1 mile
RCRA Generators	RCRA-regulated hazardous waste generator notifiers list; both Large and Small Quantity Generators are included in this list.	Target property and adjoining
ERNS	EPA's Emergency Response Notification System (ERNS) list contains reported spill records of oil and hazardous substances.	Target property
SPL/WQARF	State Equivalent Priority List / Water Quality Assurance Revolving Fund.	1 mile
SHWS	State Hazardous Waste Sites Listing.	1 mile
SWLF	State inventory of solid waste disposal and landfill sites.	0.5 mile
LUST	List of information pertaining to all reported leaking underground storage tanks.	0.5 mile
UST	State underground storage tank sites listing.	Target property and adjoining
Dry wells	State dry well registration list.	Target property

Preparation of this report to present the findings and conclusions.

It was not in our scope and we did not assess structural, mechanical, electrical systems, environmental regulatory compliance, or worker health and safety issues. Sampling and analysis for radon, lead-based paint, water, soil, or other environmental media were not included in our scope of services.

1.2 LIMITING CONDITIONS

During our site visit, the northern and western border of the subject property was not accessible due to heavy vegetation. However, URS did not anticipate observing any specific environmental conditions within this area. No other conditions were encountered that would limit URS' ability to make appropriate conclusions regarding the environmental integrity of the subject property.

1.3 LIMITATIONS OF THE PHASE I ESA

The Phase I ESA was prepared in accordance with the scope of work described in URS' proposal to the FCDMC dated January 30, 2002. The work conducted by URS is limited to the services agreed to in the proposal and no other services beyond those explicitly stated should be inferred or are implied.

The conclusions presented in this report are professional opinions based solely upon URS' visual observations of the site and the immediate site vicinity, and upon URS' interpretations of the readily available historical information, conversations with personnel knowledgeable about the site, and other readily available information, as referenced in the report. These conclusions are intended exclusively for the purpose stated herein, at the site indicated, and for the project indicated.

The information provided by URS is for the exclusive use of the FCDMC. The scope of services performed during this investigation may not be appropriate for other users, and any use or re-use of this document, or the findings, conclusions, or recommendations presented herein is at the sole risk of said user.

This study was not intended to be a definitive investigation of possible contamination at the subject property. The purpose and scope of this investigation was to determine if there is reason to suspect the possibility of contamination at the site.

This report is intended to be used in its entirety. No excerpts may be taken to be representative of the findings of this assessment. Opinions and recommendations presented in this report apply to site conditions and features as they existed at the time of URS' site visit, and those reasonably foreseeable. They cannot necessarily apply to conditions and features of which URS is unaware and has not had the opportunity to evaluate.

2.0 SITE DESCRIPTION

Information concerning the subject property presented in the following subsections is based on a review of readily available published information and site reconnaissances conducted by URS personnel on April 3, 2002.

2.1 PHYSICAL LOCATION AND DESCRIPTION OF PROPERTY

The Proposed Detention Basin Project consists of two contiguous parcels totaling approximately 70 acres of primarily vacant graded land. The subject property is located in Section 14 (Township 2 South, Range 5 East) of the Gila and Salt River Base Meridian.

The entire "site" is located within Chandler, Arizona and is more specifically bounded by Queen Creek Road on the north, McQueen Road and the Consolidated Canal East Branch on the west, Appleby Road on the south, and vacant land on the east (see Figure 1).

2.2 ENVIRONMENTAL SETTING

Environmental characteristics including topography, geology, and hydrogeology were evaluated based on site observations, published literature, and maps.

2.2.1 Topography

According to the United States Geological Survey (USGS) Chandler, Arizona 7.5-minute topographic quadrangle map (1952, photorevised 1981), the subject property is located in the northwest quarter of Section 14, Township 2 South, Range 5 East, of the Gila and Salt River Base Meridian. The elevation of the subject property is approximately 1,230 feet above mean sea level. The general direction of surface water flow at the subject property is to the west.

2.2.2 Geology

The proposed detention basin is situated within the Basin and Range Physiographic Province of Arizona. The Basin and Range Physiographic Province is characterized by broad alluvium-filled basins separated by north-northwest trending block-faulted mountain ranges. This structural trend is the result of northwest-southeast faults formed by extensional tectonism during the Tertiary. Mountain blocks uplifted during tectonic activity were accompanied by extensive erosion that filled the intermontane valleys with alluvium. Extensional faulting also resulted in large-scale volcanism that produced extensive basalt and tuff deposits that eroded and contributed alluvium to the basin fill.

The subject property is more specifically located in the Salt River Valley, a broad alluvial basin within the Basin and Range Physiographic Province. The basin is almost completely surrounded by mountains composed primarily of granitic, metamorphic, and volcanic rocks and minor amounts of consolidated sedimentary rocks. The valley floor is underlain by unconsolidated to semi-consolidated

basin-fill sediments. In the eastern part of the Salt River Valley area, sedimentary deposits form the main water-bearing units and consist mainly of unconsolidated and weakly consolidated clay, silt, sand, and gravel. The main water-bearing unit ranges in thickness from a few tens of feet near the mountains to more than 1,200 feet in the central part of the area (Cooley, M.E., 1973; map showing distribution and estimated thickness of alluvial deposits in the Phoenix area, Arizona: U.S. Geological Survey Miscellaneous Investigations Series Map I-845-C). Crystalline rocks, which consist mainly of schist, gneiss, granite, and felsic to mafic volcanic rocks, are present in the mountains that border the main water-bearing units. Well-cemented conglomerate and sandstone may also be present in places (Laney, R.L., et al, April 1978; maps showing Ground-Water Conditions in the Eastern Part of the Salt River Valley).

2.2.3 Soils

URS reviewed readily available reference material providing soil types for the subject property. According to the U.S. Department of Agriculture Soil Conservation Service, the subject property consists of several different soil types. However, the most prominent appears to be Gilman loam. This soil type is defined as deep, well-drained soils that occur on flood plains and alluvial fans of large streams. They are typically used for irrigated crops, range, recreation, and wildlife. Irrigated areas include cotton, alfalfa, sorghum, wheat, citrus, and vegetables. The soil has a slight erosion hazard with a moderate permeability and a slow water runoff.

2.2.4 Hydrology

According to B.A. Hammett and R.L. Herther's *Maps Showing Groundwater Conditions in the Phoenix Active Management Area, Maricopa, Pinal and Yavapai Counties, Arizona - 1992*, the depth to groundwater in the area of the subject property is approximately 200 feet below ground surface (bgs). The general direction of groundwater flow in the vicinity of the subject property is to the northeast.

According to Flood Insurance Rate Map No. 04013C2665G, dated July 19, 2001, published by the Federal Emergency Management Agency (FEMA), the subject property is located in a special flood hazard area (with flood depths of 1 to 3 feet) within the boundaries of a 100-year floodplain.

3.0 SITE RECONNAISSANCE

URS' site reconnaissance was conducted to observe existing operations and environmental conditions, including: chemical storage and disposal areas, evidence of stressed vegetation, disturbed

topography, soil and surficial staining, evidence of underground/aboveground storage tanks, and the presence of PCB-containing equipment.

3.1 GENERAL CONDITIONS

Ms. Marianne Burrus of URS conducted the site reconnaissance on April 3, 2002. The subject property is approximately 70 acres of vacant graded land. The northern border (along Queen Creek Road) and the western border (along the Consolidated Canal East Branch and McQueen Road) is covered with heavy vegetation (i.e. large trees and shrubs). The interior portion of the subject property is mostly non-vegetated with only small areas sparsely covered with small native desert plants.

An unimproved dirt road was observed leading from the southwest corner of the subject property into the property interior. Large areas of debris (see Section 3.1.3) were observed along the road and mostly within the southern half of the subject property. In addition, URS observed a wooden fence and raised wooden platform-like structure located in the central southern half of the site.

3.1.1 Hazardous Substances and Wastes

Although no evidence of chemical use, storage, or disposal was observed on the subject property at the time of our site reconnaissance, URS observed numerous containers including two rusted 55-gallon drums and various sized plastic buckets within the scattered and piled debris located in the western half of the subject property. All of the containers appeared to be empty. Although no evidence of staining was observed, many of the containers were within large areas of debris with the ground surface below not visible.

3.1.2 Polychlorinated Biphenyl (PCB) Containing Equipment

No potential PCB-containing equipment (i.e. transformers) was observed on the subject property at the time of our site reconnaissance.

3.1.3 Solid Waste

Solid waste does not appear to be currently generated on the subject property. However, URS observed several large areas of dumping primarily within the southern portion of the subject property. The scattered and piled debris included old tires, discarded appliances, general trash (paper and plastic), automobile parts and bodies, furniture, scrap metal, wood, and concrete slab pieces (see Site Photographs 1, 2, and 3). Although some of the concrete slab pieces were large, they appeared

to be discarded and not associated with a former on-site structure or water well (see Site Photograph 4). Many of the mounds of debris were extensive and therefore, neither their exact content nor the condition of the soil beneath could be evaluated. In addition, URS observed a wooden fence and remnants of a platform-like wooden structure. These appear to be associated with a former corral-like pen and platform viewing area (see Site Photograph 5).

3.1.4 Water Wells

No water wells were observed on the subject property at the time of our site reconnaissance. In addition, according to the Arizona Department of Water Resources (ADWR), there are no registered water wells within the cadastral location which includes the subject property (D(2-5)14B*).

3.1.5 Drinking Water and Wastewater

Drinking water is not currently provided to the subject property. Based on our site observations, no wastewater is currently generated on the subject property.

3.1.6 Stormwater Drainage and Dry Wells

Topographic relief in the area of the subject property is relatively flat. Therefore, stormwater would most likely pool in low-lying areas for most of the subject property with the following exceptions. Stormwater accumulated in the northern border of the subject property would most likely collect in the small drainage ditch located along the edge of Queen Creek Road. In addition, URS observed an approximately 4-foot wide earthen depression along the eastern border of the subject property (see Site Photograph 6). Although this depression appeared to be a former earth-lined ditch, it did not appear to be leading to or from any specific area.

Dry wells are typically constructed on commercially-developed properties to collect rainwater surface runoff and, therefore, have the potential to introduce contaminants into the subsurface. URS observed no dry wells, nor did we expect to find any evidence of dry wells on the subject property during our site reconnaissance.

3.1.7 Pits, Ponds and Lagoons

No ponds or lagoons were observed on the subject property at the time of our site reconnaissance. However, URS observed one approximately 10-foot by 20-foot pit located in the mid-eastern section of the subject property. Although no pipes leading to or from the pit were observed, the pit was partially filled with debris (see Site Photograph 7).

3.1.8 Other Physical Evidence of Contamination

URS observed several large piles of dirt mounded in the southern portion of the subject property. The mounds were littered with automobile parts and tires. The exact source of the dirt piles could not be determined (see Site Photograph 8).

Other than the debris described in Section 3.1.3, no evidence of contamination, such as soil staining or distressed vegetation, was observed within the boundaries of the subject property during our site reconnaissance.

4.0 ADJOINING AND SURROUNDING LAND USE

URS performed a visual review of readily visible areas of adjacent properties. The following description of the current uses of adjoining and surrounding properties is based on URS' observations on the date of our site visit.

4.1 CURRENT USES OF ADJOINING PROPERTIES

A visual assessment of adjacent properties was performed in the general vicinity (within approximately ¼-mile) of the site, to the extent they were visible from the subject property, along public rights-of-way, and accessible adjacent properties. However, URS did not physically inspect adjacent properties. In general, surrounding properties consist of commercial properties, horse properties, residential areas, and vacant land.

Properties observed adjacent to the subject property are as follows:

- To the north** - beyond Queen Creek Road; Chandler Municipal Airport
- To the south** - beyond Appleby Road; new residential construction
- To the east** - vacant land (similar to the subject property) and horse property
- To the west** - beyond the Consolidated Canal East Branch and McQueen Road; City of Chandler Solid Waste Transfer Station

Although no activities (i.e. chemical use, storage or disposal) were observed during our visual assessment of the adjacent properties, the Chandler Municipal Airport is listed on the following environmental databases: CERCLIS, ERNS, UST, and LUST. In addition, the Chandler Solid Waste Transfer Station (an active landfill) is located adjacent and to the west of the subject property. A description of these databases and associated information regarding the Chandler Municipal Airport and the Chandler Solid Waste Transfer Station are included in Section 6.0.

5.0 HISTORICAL INFORMATION

Information regarding past site land use of the subject property and properties within the site vicinity was obtained by reviewing historical aerial photographs and topographic maps. These documents were reviewed to obtain information regarding historical land use that could have involved the manufacture, generation, use, storage and/or disposal of hazardous substances on the subject property.

5.1 AERIAL PHOTOGRAPHS

URS reviewed readily available aerial photographs of the subject property at Landiscor Aerial Information, Inc. and Rupp Photography, Inc. Aerial photographs included 1949, 1954, 1955, 1958, and 1962 through 2002. In general, the area of the Proposed Detention Basin has been vacant land since the late 1940s. Evidence of impoundments, pesticide storage/mixing sheds, or crop dusting air-strips were not visible on site in any of the reviewed aerial photographs. A small possible irrigation ditch was observed along the eastern and southern boundaries of the subject property in all aerial photographs reviewed. Starting in 1964, the area appeared to have been utilized by off-road vehicles, with several circular and swirling patterns visible on the soil surface. These patterns slowly diminished in the 1970s and 1980s. Large areas of debris were visible starting in the late 1980s. Two small structures and an adjacent fence-like structure were observed in the 1995 through 2002 aerial photographs in the mid-section of the subject property (see Figure 2). Although several parked cars were visible in the 1999 aerial photograph, no parking area or parked cars associated with the structures were observed in any other photograph.

The Consolidated Canal East Branch located along the western border of the subject property was visible in all photographs reviewed. The solid waste facility located west of the subject property appeared to be constructed in 1999. The surrounding properties appeared to be primarily residential, agricultural, or vacant land in all of the aerial photographs reviewed. Most of the development in the area appeared to begin in the late 1970s.

5.2 HISTORICAL FIRE INSURANCE MAPS

Due to the location of the subject property outside the metropolitan Phoenix area, historical fire insurance maps were not available for the subject property area.

5.3 TOPOGRAPHIC MAPS

URS reviewed the following USGS topographic maps for the subject property; Mesa, Arizona (1915), Chandler, Arizona (1952; photorevised 1967), Chandler, Arizona (1952; photorevised 1973), and USGS Chandler, Arizona (1952; photorevised 1981). In the 1915 map, a small structure was depicted along the western border of the subject property. Also depicted in the 1915 map is a pit or sand area located at the southeastern edge of the subject property. In the 1967, 1973, and 1981 maps, the subject property is depicted with scrub vegetation covering the entire area. The Consolidated Canal East Branch borders the subject property on the west in all maps reviewed. No other structures, water wells, landfills, pits, or other anomalies were depicted on the reviewed maps.

5.4 CITY DIRECTORIES

Based on our review of aerial photographs, the subject property has historically been vacant since the 1940s. Consequently, historical city directories were deemed unnecessary for review.

5.5 CHAIN-OF-TITLE REPORT

URS was not requested to obtain Chain-of-Title information by the FCDMC nor was it provided for our review. However, the following information was provided to URS by the FCDMC.

The subject property consists of two parcels of land associated with Maricopa County Assessor's Tax Parcel Nos. 303-42-020D and 303-42-022A. The two parcels are approximately 31 and 39 acres, respectively. Both parcels are currently owned by Charlies Chandler 160 Limited Partnership.

5.6 INTERVIEWS

URS conducted an interview with Mr. Brain Patterson of the City of Chandler. According to Mr. Patterson, the subject property has always been vacant, with no improvements. Mr. Patterson was unaware of the presence or purpose of the structure and corral remnants observed on the subject property during our site reconnaissance.

6.0 REVIEW OF AGENCY INFORMATION

Federal and state governments have developed legislation within the past 15 years relating to environmental issues. As a result of this legislation, regulations that govern the storage, handling, control and disposal of hazardous materials have been promulgated. Numerous agencies collect and

disseminate information for use in evaluating potential environmental problems. URS maintains an in-house library of current ADEQ and U.S. Environmental Protection Agency (EPA) regulatory lists.

URS reviewed information gathered from several environmental databases through Environmental Data Resources, Inc. (EDR) to evaluate whether activities on or near the subject property have the potential to create a Recognized Environmental Condition on the subject property. EDR reviews databases compiled by federal, state, and local governmental agencies. The complete list of databases reviewed by EDR is provided in EDR's report, which is included as Appendix A of this report.

It should be noted that this information is reported as URS received it from EDR, which, in turn, reports information as it is provided in various government databases. It is not possible for either URS or EDR to verify the accuracy or completeness of information contained in these databases. However, the use of and reliance on this information is a generally accepted practice in the conduct of environmental due diligence. The following EPA and ADEQ documents and lists were reviewed in accordance with ASTM E 1527-00.

6.1 FEDERAL REGULATORY AGENCY DATABASES

U.S. EPA National Priorities List (NPL)

The NPL is an EPA database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the federal Superfund Program. To be included on the NPL a site must meet or surpass a predetermined hazard ranking systems score, must be chosen as a state's top-priority site, or must meet all three of the following criteria: 1) the United States Department of Health and Human Services issues a health advisory recommending that people be removed from the site to avoid exposure, 2) the EPA determines that the site represents a significant threat, and 3) the EPA determines that remedial action is more cost-effective than removal action.

According to the EDR database, dated January 29, 2002, neither the subject property nor facilities located within 1 mile of the subject property were listed as an NPL site.

U.S. EPA Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) List

The EPA's CERCLIS List identifies facilities which are subject to investigation by the EPA concerning possible contamination to the environment. Three categories of sites are included on the federal CERCLIS inventory. These are: 1) sites which may be potentially hazardous and require preliminary investigation, 2) sites which have been investigated and, based on the results, remedial

action or no further investigation is planned under the federal Superfund Program, and/or 3) final and proposed National Priorities List (II) sites which have been investigated and the EPA determined the sites may represent a long-term threat to public health or the environment. Inclusion on the list does not mean that the facility is contaminated, causing contamination, or in violation of state or federal statutes or regulations.

According to the reviewed document, dated November 21, 2001, the subject property was not listed as a CERCLIS site. However, one facility within ½-mile of the subject property was listed:

Chandler Municipal Airport

Cooper & Queen Creek Roads

Chandler, Arizona 85224

(located adjacent across Queen Creek Road and hydrologically downgradient from the subject property)

(EPA ID# AZD980883656)

A Preliminary Assessment and Site Inspection were conducted on the Chandler Municipal Airport in 1987 and 1990, respectively. The inspection stemmed from groundwater contamination that had been detected in wells at and near the Airport and the results of a previous Preliminary Assessment. The Preliminary Assessment was conducted by ADEQ in 1987 as a result of previous well contaminants detected in 1986 by ADEQ and in 1983 by the Salt River Project, along with complaints and accusations regarding activities at AZ Aeropainters and San Tan Dusters (tenants at the airport). However, results of the 1990 Site Inspection resulted in a No Further Remedial Action Planned (NFRAP) status of the airport.

U.S. EPA RCRA CORRACTS TSD Facilities List

Under the Resource Conservation and Recovery Act (RCRA), the EPA compiles a database of facilities that are involved in the generation, transportation, storage, or disposal (TSD) of hazardous materials. This database lists RCRA facilities that are undergoing "corrective action". A "corrective action order" is issued pursuant to RCRA Section 3008 (h) when there has been a release of hazardous waste or constituents into the environment from a RCRA TSD facility. The RCRA TSDs are facilities that treat, store and/or dispose of hazardous waste. Corrective actions may be required beyond the facility's boundary and can be required regardless of when the release occurred, even if it predates RCRA.

According to the CORRACTS database, dated November 14, 2001, neither the subject property nor facilities located within 1 mile of the subject property were listed.

U.S. EPA RCRA Non-CORRACTS TSD Facilities List

The EPA's Resource Conservation and Recovery Information System (RCRIS) identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRIS Treatment, Storage, Disposal (TSD) Facilities List is a compilation by EPA of reporting facilities that generate, transport, store, treat, or dispose of hazardous waste as defined by RCRA but are not undergoing any "corrective action".

According to the database reviewed, dated June 21, 2000, neither the subject property nor facilities located within 1 mile of the subject property were listed.

U.S. EPA RCRA Generators or Notifiers List

The EPA's RCRA Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities List is a compilation by EPA of reporting facilities that generate hazardous waste. RCRA Large Quantity Generators are facilities which generate at least 1,000 kilograms per month (kg/mo) of non-acutely hazardous waste (or 1 kg/mo of acutely hazardous waste). Small Quantity Generators are facilities which generate less than 1,000 kg/mo of non-acutely hazardous waste.

According to the database reviewed, dated June 21, 2000, neither the subject property nor adjacent facilities were listed.

U.S. EPA Emergency Response Notification System (ERNS) List

The ERNS List is a list compiled by the EPA of spills of potentially hazardous substances called in to the Coast Guard and other spill response centers across the U.S. Spill notifications included on this list have not necessarily been confirmed by EPA.

According to the ERNS database, dated August 8, 2000, no hazardous material incidents have been reported for the subject property.

6.2 STATE REGULATORY AGENCY DATABASES

Arizona Department of Environmental Quality - Superfund Program List and WQARF Project Areas

A Water Quality Assurance Revolving Fund (WQARF) area, which is also referred to as a state Superfund area, is a region designated by the ADEQ for further investigation regarding

environmental concerns. This designation is typically based on known areas of groundwater contamination, or past or present land uses which have been known to use and discharge chemicals that can contaminate groundwater.

According to the state Superfund Program and WQARF lists, dated October 2000 and July 2001 respectively, the subject property is not located within the geographic boundaries of a currently designated WQARF area. In addition, there are no WQARF sites located within a one-mile radius of the subject property.

Arizona Department of Environmental Quality - Arizona CERCLA Information Data System (ACIDS)

The Arizona CERCLIS Information Data System (ACIDS) List has been used by the ADEQ Superfund Programs Section (SPS) for the past decade in tracking WQARF sites and portions of sites, potential WQARF sites, referrals, and other cases of interest to the SPS. As of March 13, 2000, there were approximately 1,500 entries on the ACIDS list. While some of the cases on this list are relevant to Arizona's Superfund Program, others are not and their inclusion may be misleading. For this reason, the SPS has elected to archive the ACIDS list, and no longer distribute it. In its stead, the ACIDS List has been replaced by the Arizona Superfund Programs List (SPL). This list is more representative of the sites and potential sites within the jurisdiction of the ADEQ SPS. According to the ADEQ, the listing of properties on the ACIDS list is not an indication of liability or potential liability. Many of the properties on this list have no present involvement in WQARF or federal Superfund.

According to the EDR database report, dated January 3, 2000, neither the subject property nor facilities located within 1 mile of the subject property were listed on the ACIDS list.

Arizona Department of Environmental Quality - Directory of Arizona Active and Inactive Solid Waste Facilities

The Directory of Arizona Active and Inactive Solid Waste Facilities list is provided by the ADEQ and is a compilation of solid waste facilities currently in operation.

According to the solid waste database reviewed, the subject property is not listed. However, one facility located within ½-mile of the subject property is listed:

City of Chandler SWF/LF

3850 South McQueen Road

Maricopa County, Arizona

(Located adjacent and hydrologically cross to downgradient of the subject property)

According to the database, this facility is a transfer station and municipal landfill that allows the following types of waste: construction, green, mixed municipal, and sludge. Based on its location (across both the Consolidated Canal and McQueen Road) and type of facility (transfer station), it is unlikely that the subject property has been environmentally impacted.

Arizona Department of Environmental Quality - Directory of Arizona Closed Solid Waste Facilities

The Directory of Arizona Closed Solid Waste Facilities list is provided by the ADEQ and is a compilation of closed solid waste facilities.

According to the solid waste database reviewed, dated June 1999, neither the subject property nor facilities located within ½-mile of the subject property were listed.

Arizona Department of Environmental Quality - Leaking Underground Storage Tank (LUST) List

The LUST list is a compilation of sites with confirmed leaking underground storage tanks that have been reported to the ADEQ. This list was reviewed for reported LUSTs located on the subject property.

According to the ADEQ LUST list, dated February 20, 2002, the subject property was not listed. However, one facility located within ½-mile of the subject property was listed:

Chandler Municipal Airport

2380 South Stinson Way / 2475 South Airport Boulevard

Chandler, Arizona 85249

(located adjacent across Queen Creek Road and hydrologically downgradient from the subject property)

Facility I.D. #0-001002; LUST #1495.01 through 03, 1956.01, 2950.01, 4300.01

According to information obtained from a file review conducted at ADEQ, two of the LUST sites were located at the tank farm and dispenser area. The remaining LUST sites were located at two tenants formerly located at the airport (K&K Applicators and San Tan Dusters). Although only two of the LUST cases appear to be closed, based on the distance

of these sites (approximately ½-mile) and hydrological direction (downgradient), it is unlikely that the subject property has been environmentally impacted by these LUST sites.

Arizona Department of Environmental Quality - Registered Underground Storage Tank (UST) List

The state of Arizona requires that owners of most underground storage tanks (USTs) register their USTs with ADEQ. URS reviewed ADEQ's Underground Storage Tank Registration list for registered USTs located on the subject property.

According to the UST database, dated November 7, 2001, the subject property is not listed as having registered USTs. Although the Chandler Municipal Airport is listed with 9 registered USTs, none of the UST locations are within ¼-mile of the subject property.

Arizona Department of Environmental Quality – Dry Well Registration Database

Dry wells are constructed to collect rainwater surface runoff and, therefore, have the potential to introduce contaminants into the subsurface. EDR reviewed ADEQ's Dry Well Registration Database for dry wells registered to the subject property.

According to the reviewed database, dated December 1, 2001, no dry wells are registered to an address corresponding to the subject property.

6.3 REGULATORY AGENCY CONTACT

During the performance of an environmental assessment, federal, state and local regulatory agencies having jurisdiction over the subject property are contacted to determine the following information: the status of relevant environmental permits; whether there have been any violations, or other similar correspondence from such agencies; whether any corrective action or remediation is planned, currently taking place, or has been completed at the subject property; whether there have been any reported violations or complaints that the subject property is not in compliance with environmental laws, regulations, or standards, and whether the subject property is under investigation for such non-compliance; whether the subject property is listed on any of the regulatory databases; and whether there is any other pertinent documentation on file with such regulatory agencies regarding the subject property or surrounding sites of concern.

URS contacted the State of Arizona Fire Marshall, ADEQ, ADWR, and the Maricopa County Health Department regarding environmental-related records for the subject property. The subject property has been historically vacant, therefore, no street address corresponds to the site. Because the fire and

health department files are listed by address, no information was available. However, based on our review of historical information (i.e. aerial photographs, topographic maps) it is unlikely that past activities conducted on the subject property would alter the conclusions and recommendations of this report.

ADEQ reported that they have no records for the subject property and ADWR has provided us the well registration list, which is summarized in Section 3.1.4 of this report.

7.0 CONCLUSIONS

URS conducted a Phase I Environmental Site Assessment on the Proposed Detention Basin project site located near the southeast corner of Queen Creek and McQueen Roads in Chandler, Maricopa County, Arizona. This study was conducted to evaluate the potential for a Recognized Environmental Condition to exist on the subject property from onsite or offsite activities. Any exceptions to, or deletions from, this practice are described in Sections 1.2 and 1.3 of this report.. This assessment has revealed the following Recognized Environmental Conditions in connection with the subject property.

7.1 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

According to the ASTM E-1527 standards published in September 2000, a Historical Recognized Environmental Condition is defined as an environmental condition which in the past would have been a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. That is, if a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency, the condition is considered a historical recognized environmental condition.

Based on a review of regulatory information and applicable documentation, no historical Recognized Environmental Conditions were identified at the subject property.

7.2 CURRENT ONSITE RECOGNIZED ENVIRONMENTAL CONDITIONS

Based on our site reconnaissance and a review of regulatory information, no onsite Recognized Environmental Conditions have been identified that would environmentally impact the subject property.

7.3 CURRENT OFFSITE RECOGNIZED ENVIRONMENTAL CONDITIONS

Based on our site reconnaissance and review of regulatory information, no offsite Recognized Environmental Conditions have been identified that would environmentally impact the subject property.

7.4 OTHER ENVIRONMENTAL CONSIDERATIONS

Based on our site reconnaissance, the following other environmental considerations have been identified on the subject property.

URS observed several large areas of dumping primarily within the southern portion of the subject property. Many of the mounds of debris were extensive and therefore, neither their exact content nor the condition of the soil beneath could be evaluated.

URS also observed several large piles of dirt mounded in the southern portion of the subject property. The exact source of the dirt piles could not be determined. URS did not observe any chemical containers, stained soil, or petroleum odors within or surrounding the dirt piles.

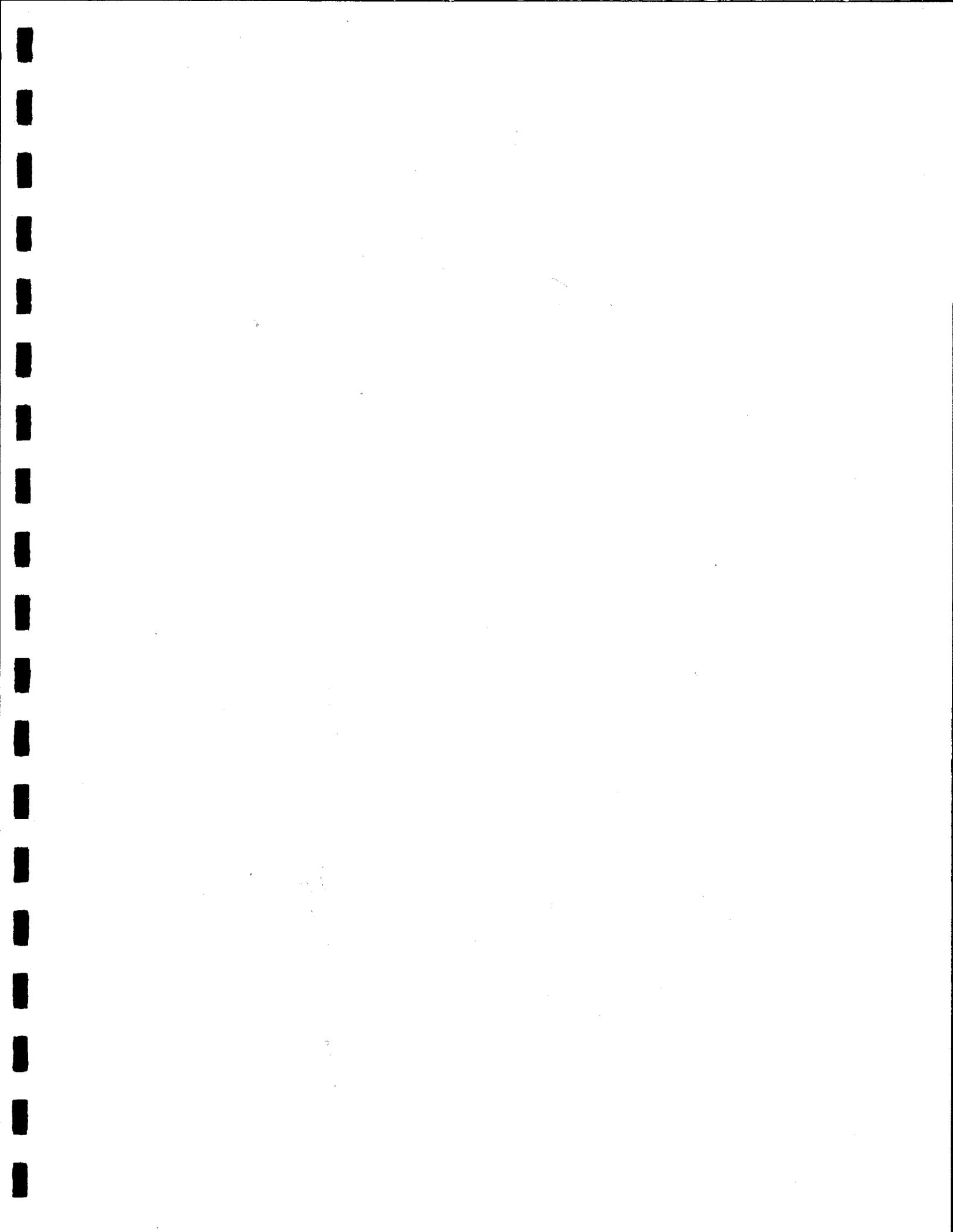
8.0 RECOMMENDATIONS

Although no Recognized Environmental Conditions were noted, based on the conclusions discussed above, the following recommendations are provided for the subject property.

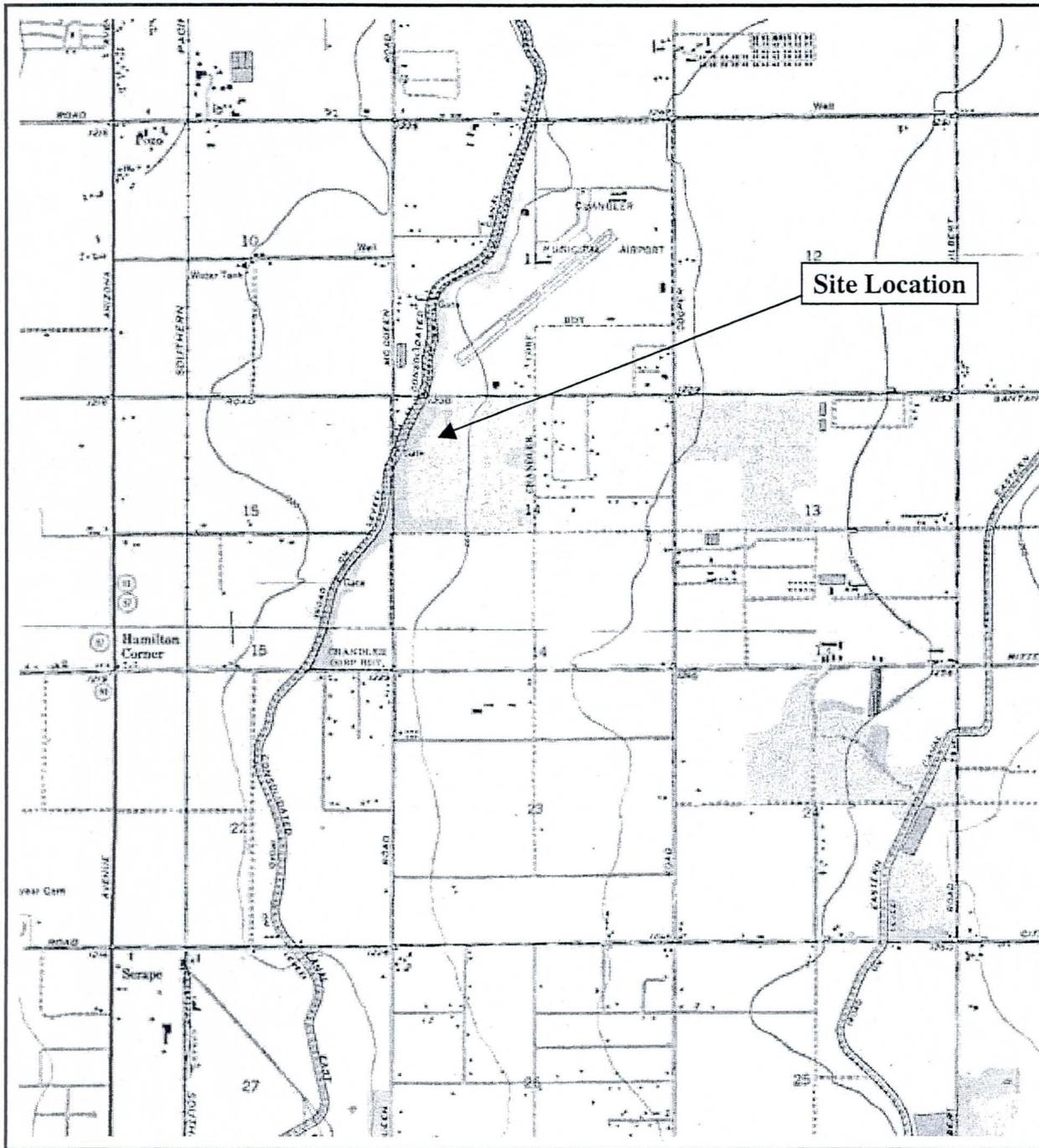
- URS recommends environmental oversight be conducted during the removal of the on-site debris to evaluate the contents of the piled debris, observe the condition (i.e. presence of staining) of the exposed dirt surface, and collect soil samples, if necessary.
- If the FCDMC wishes to evaluate the potential for contaminants in the mounded dirt piles, URS recommends a limited Phase II ESA consisting of soil sampling and laboratory analysis.

9.0 REFERENCES

- Aerial Photographs, Landiscor Aerial Information, Inc., Phoenix, Arizona.
- Aerial Photographs, Rupp Aerial Photography, Inc., Phoenix, Arizona.
- Arizona Department of Environmental Quality (ADEQ), Active Remedial Projects Sites within the Metropolitan Phoenix Area Map, May 1999.
- Arizona Department of Water Resources (ADWR) Registered Wells database, dated March 2, 2001.
- ASTM, 2000. American Society for Testing and Materials (ASTM). Standard E 1527-00, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, September 2000.
- Environmental Data Resources, Inc., EDR-Radius Map with Geocheck, Inquiry Number: 0748533.2r, dated March 21, 2002.
- Federal Emergency Management Agency Flood Insurance Rate Maps No. 04013C2665-G (dated July 19, 2001).
- Laney, R.L.; Ross, P.P.; and Littin, G.R.; maps showing Ground-Water Conditions in the Eastern Part of the Salt River Valley, April 1978.
- Laney, R.L. and M.E. Hahn, Hydrogeology of the Eastern Part of the Salt River Valley Area, Maricopa and Pinal Counties, Arizona, U.S. Geological Survey OFR 86-4147, 1986.
- Reynolds, S., Geologic Map of Arizona, Arizona Geological Survey, Map 26, 1988.
- U.S. Department of Agriculture, Soil Survey, Eastern Maricopa and Northern Pinal Counties Area, Arizona, November 1974.
- United States Geological Society (USGS), Chandler, Arizona Quadrangle, 7.5 minute series topographic map, 1952 (photorevised 1981).
- , Chandler, Arizona Quadrangle, 7.5 minute series topographic map, 1952 (photorevised 1967).
- , Chandler, Arizona Quadrangle, 7.5 minute series topographic map, 1952 (photorevised 1973).
- , Mesa, Arizona Quadrangle, 15 minute series topographic map, 1915.



FIGURES



USGS 7.5 minute series Chandler, Arizona 1952, Photorevised 1981

VICINITY MAP

Flood Control District of Maricopa County
 Phase I Environmental Site Assessment
 Proposed Detention Basin
 SEC Queen Creek and McQueen Roads
 Chandler, Arizona

April 2002
 E1-15448010.58



FIGURE 1

AP 571.0V

McQUEEN ROAD

CHANDLER
SOLID WASTE
TRANSFER STATION

CHANDLER
MUNICIPAL
AIRPORT

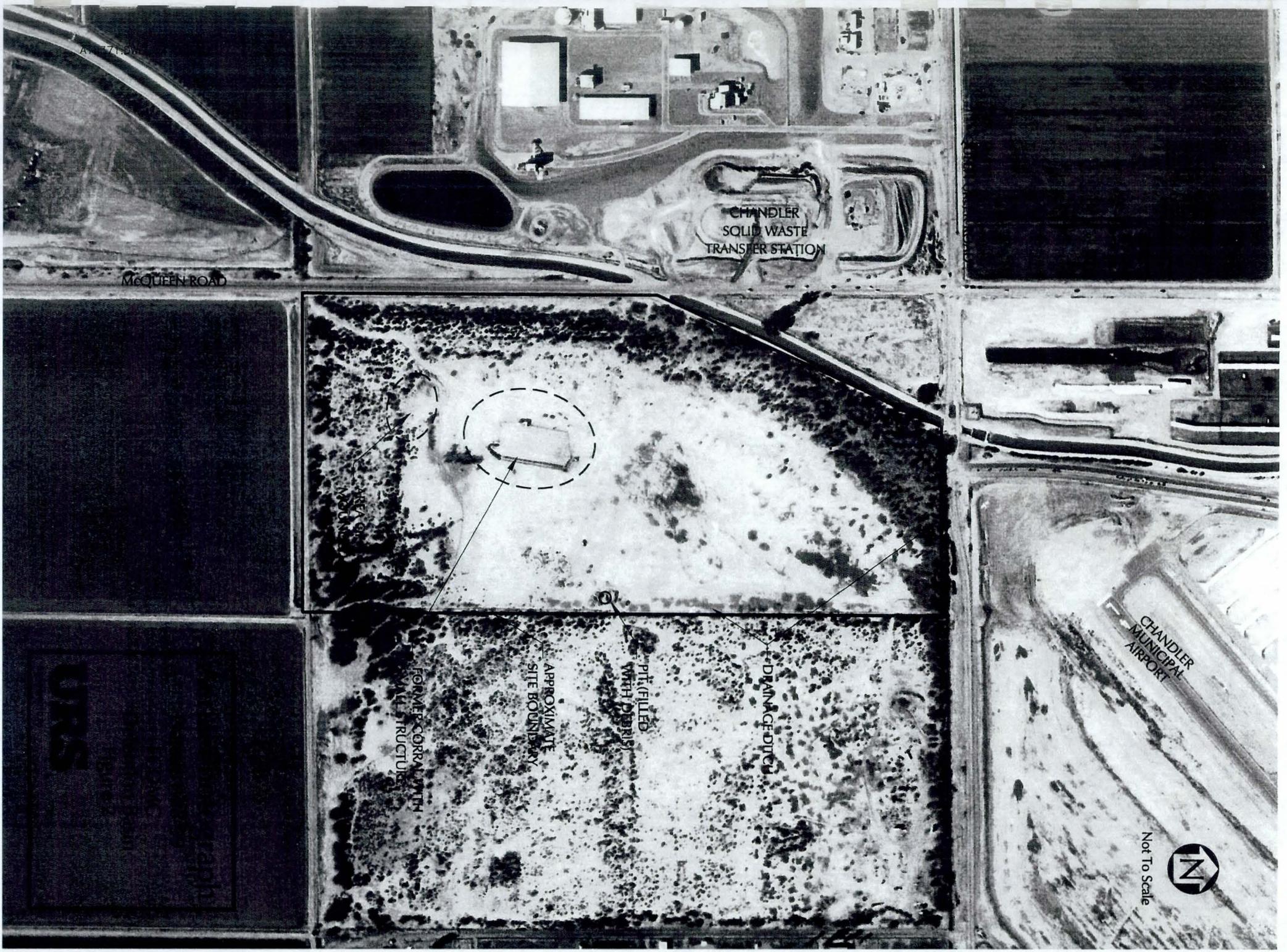
FORMER CORRAL WITH
WALL STRUCTURE

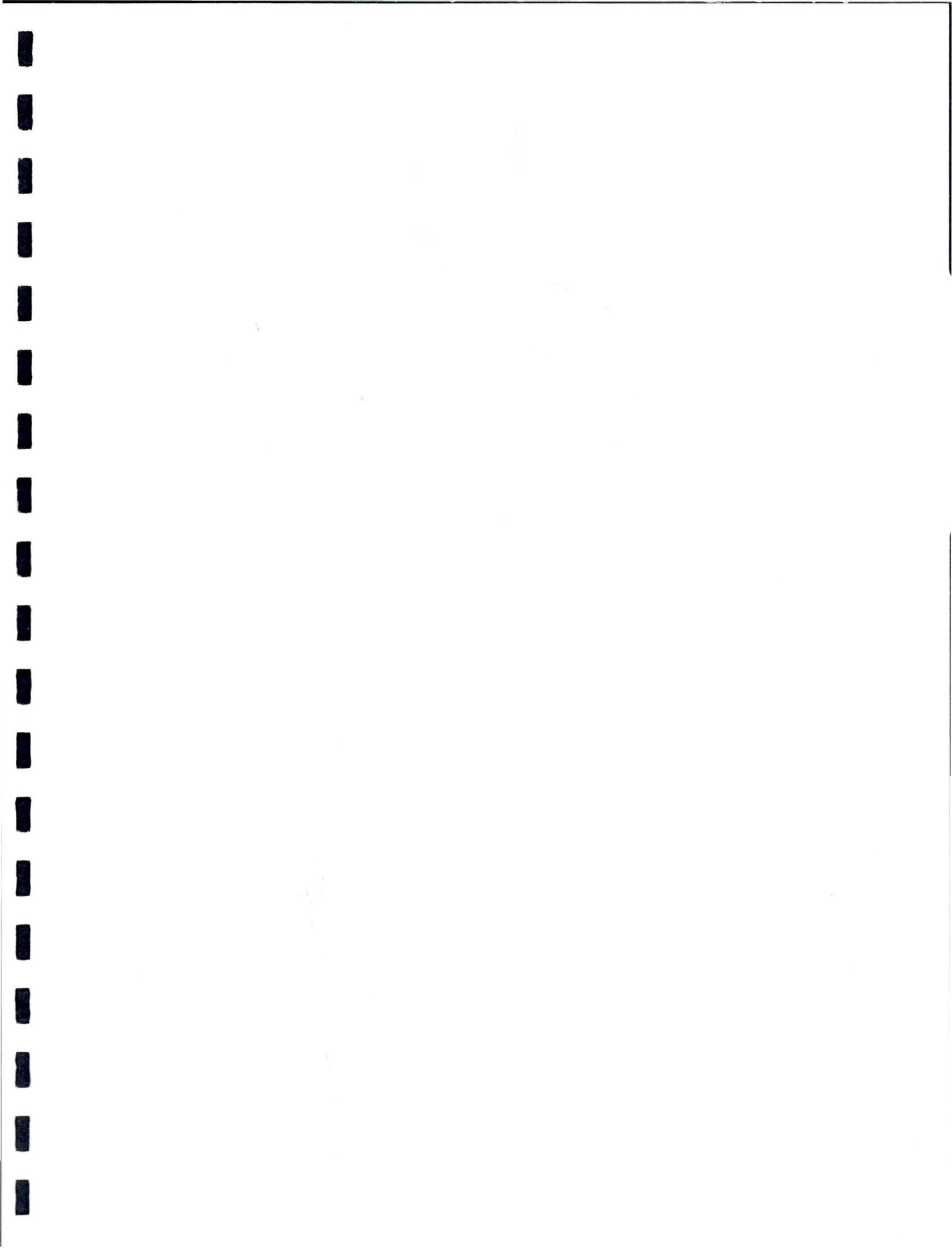
APPROXIMATE
SITE BOUNDARY

PIT (FILLED
WITH DEBRIS)

DRAINAGE DITCH

Not To Scale





APPENDIX A
SITE PHOTOGRAPHS



Photograph 1 – Debris along unimproved road (southwest section of site)



Photograph 2 – Debris (adjacent to corral area)



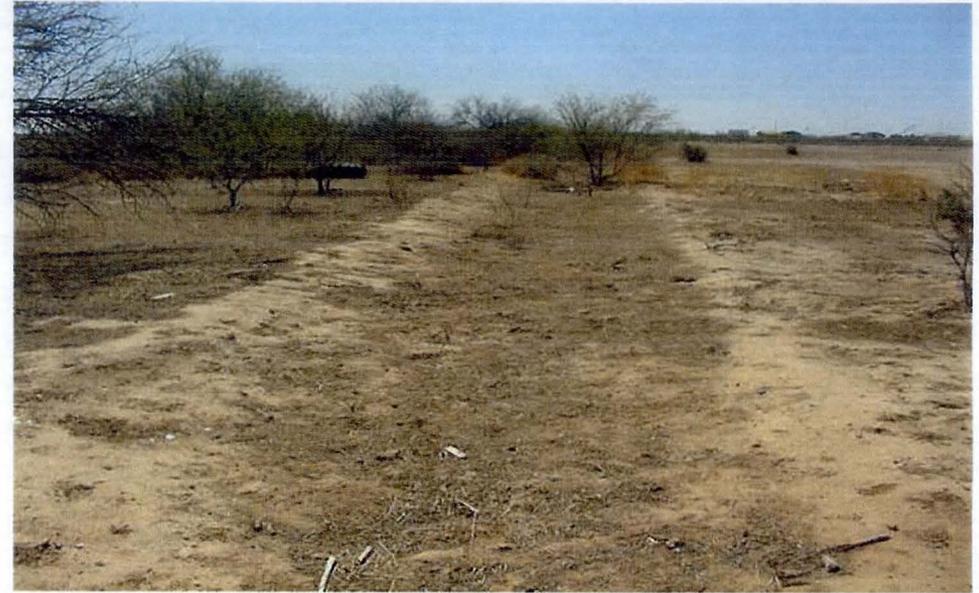
Photograph 3 – Debris adjacent to pit (eastern border of subject property)



Photograph 4 – Concrete slab pieces



Photograph 5 – Platform-like structure



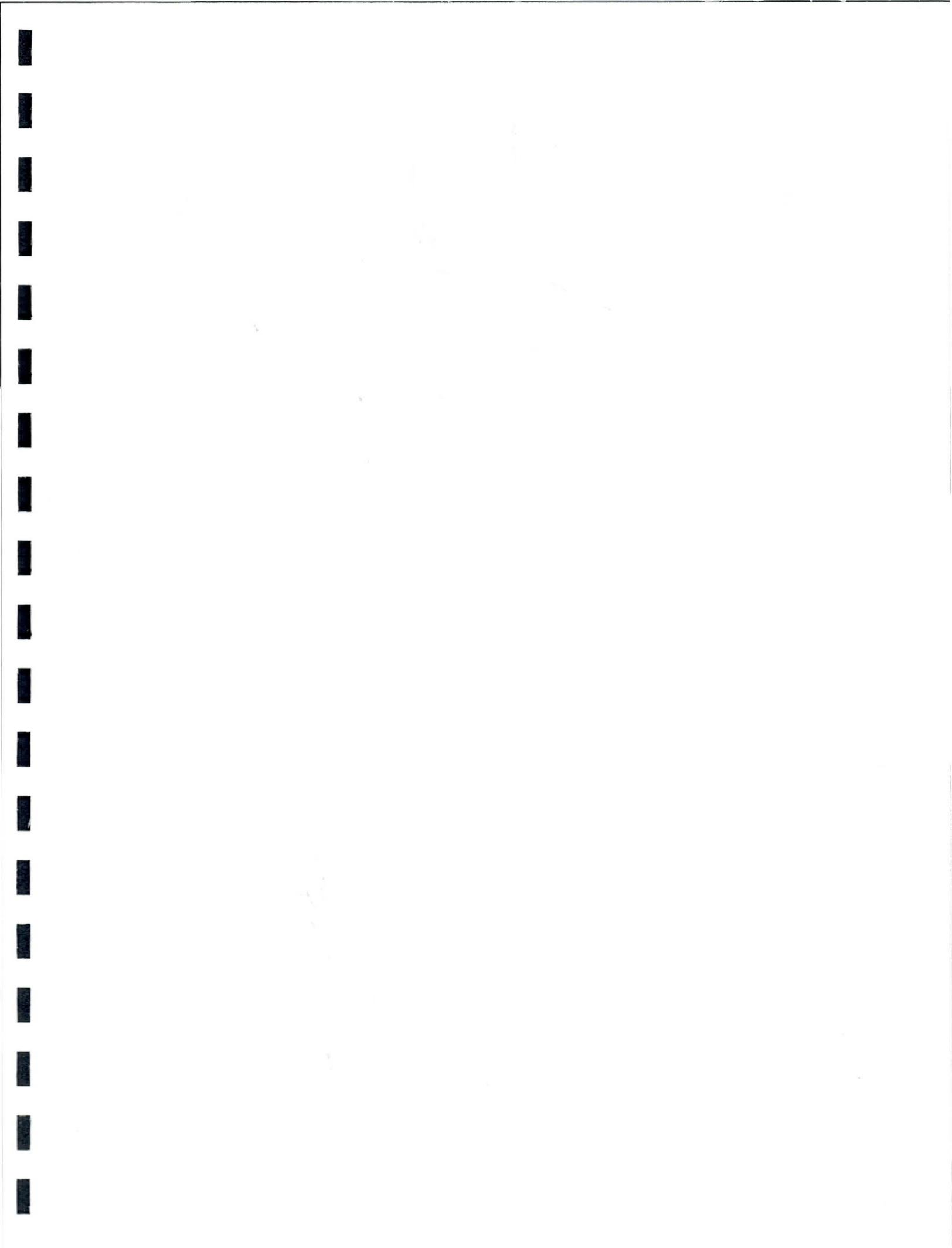
Photograph 6 – Earthen depression along the eastern border of the subject property



Photograph 7 - Pit filled with debris



Photograph 8 – Mounded dirt with debris (southern section of subject property)



APPENDIX B
HISTORICAL TOPOGRAPHIC MAPS



**The EDR-Historical
Topographic Map
Report**

**FCDMC - Detention Basin
Queen Creek/McQueen Road
Chandler, AZ 85249**

March 26, 2002

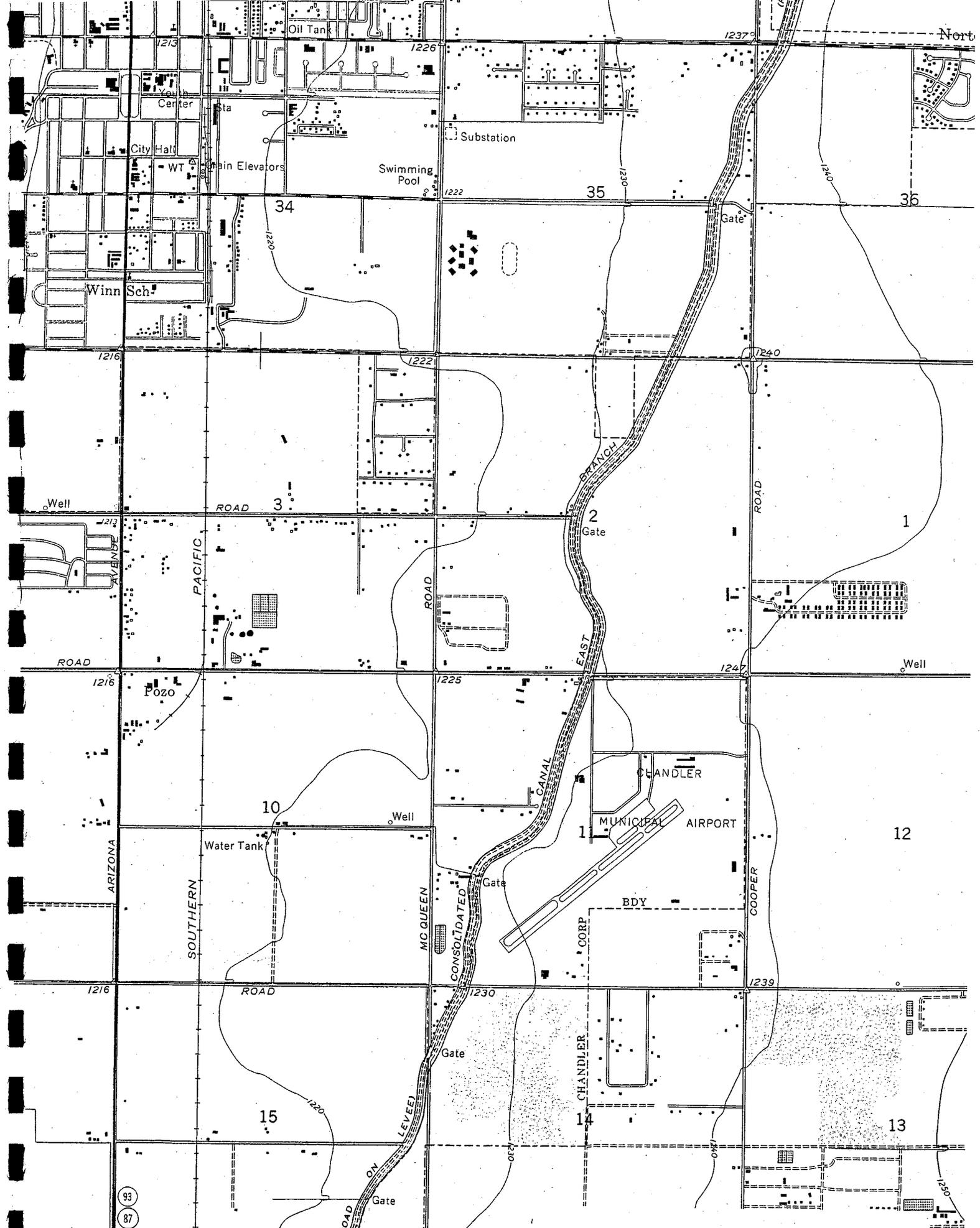
Inquiry Number: 748533-4

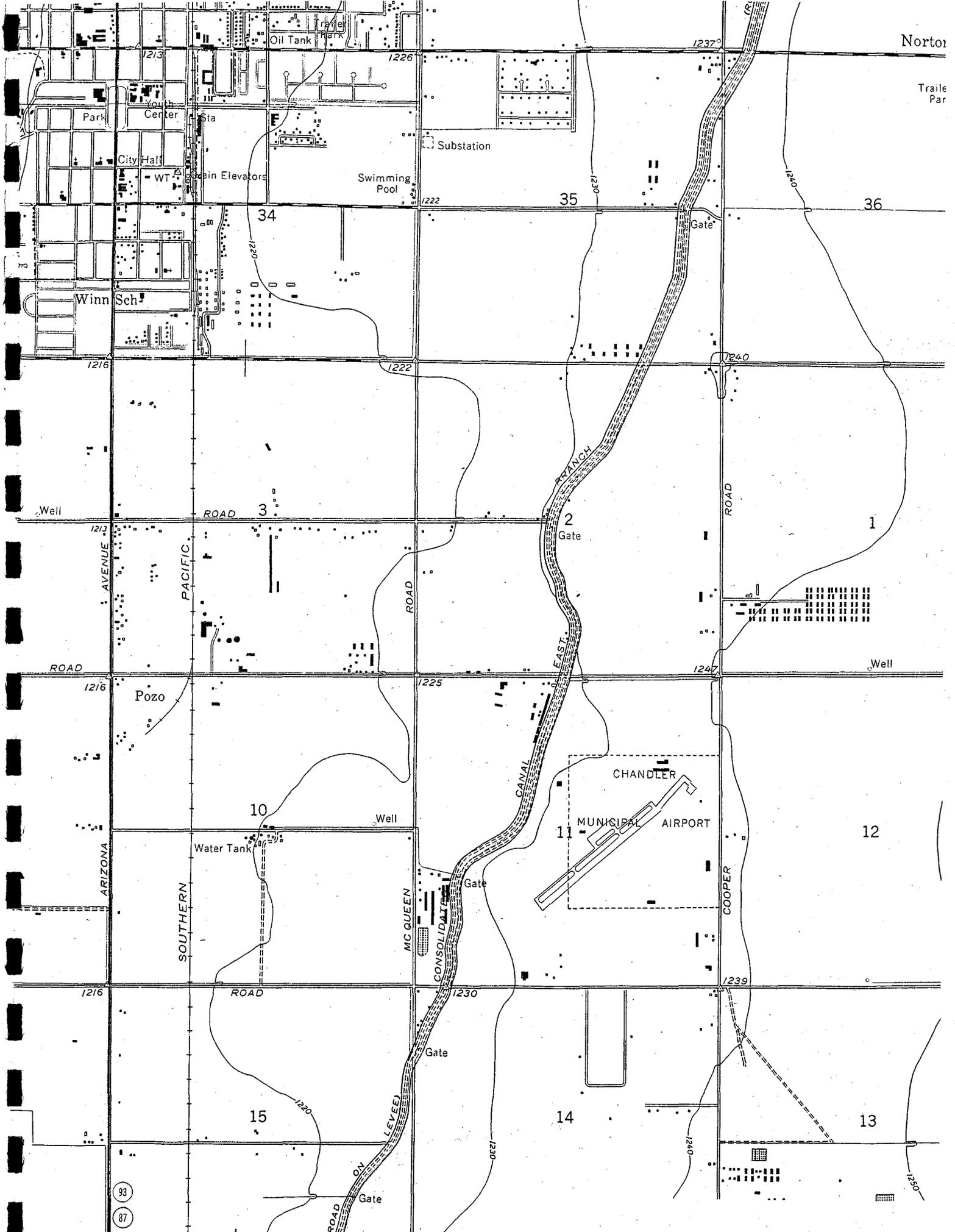
***The Source
For Environmental
Risk Management
Data***

**3530 Post Road
Southport, Connecticut 06490**

Nationwide Customer Service

**Telephone: 1-800-352-0050
Fax: 1-800-231-6802**

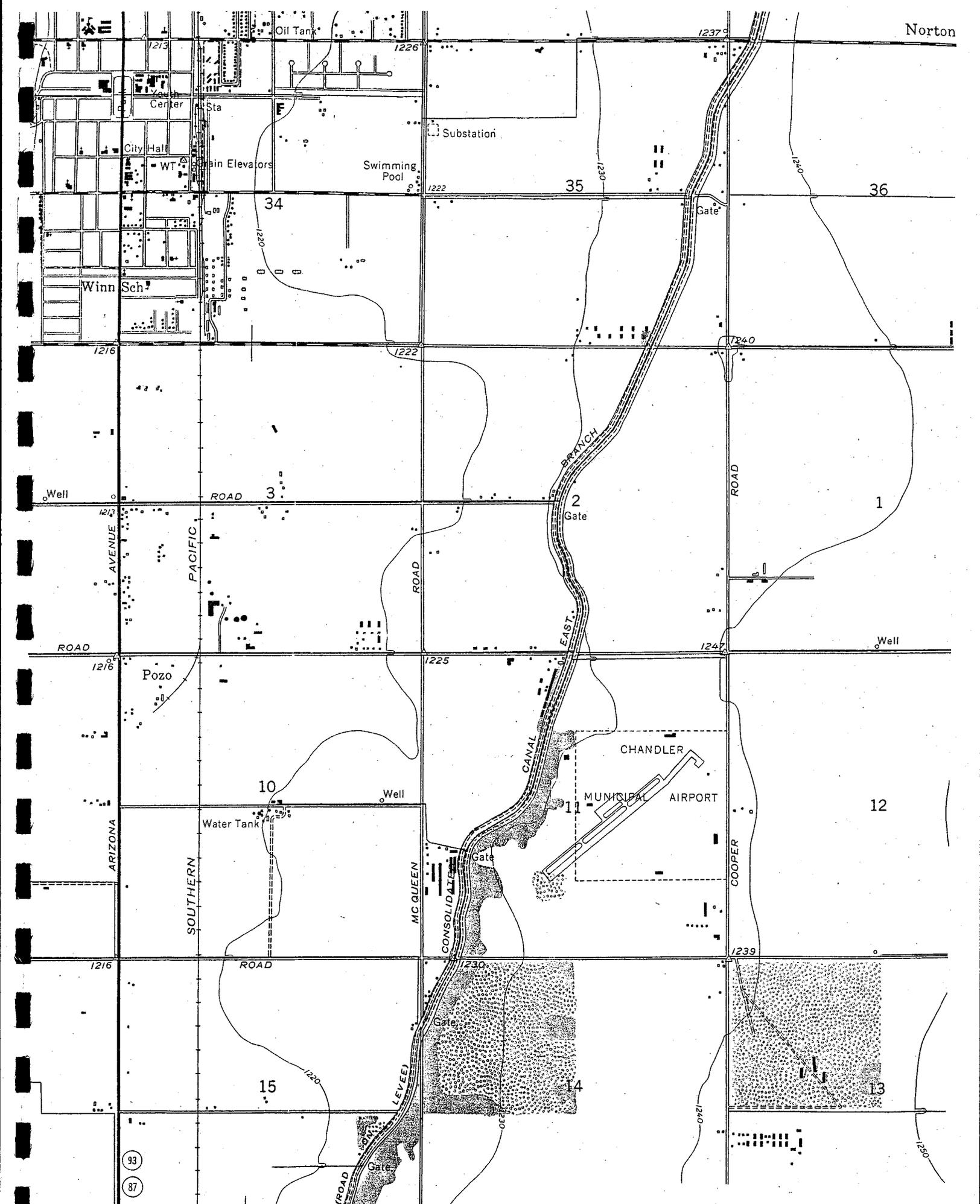




Norton
Trailer
Par

Chandler, AZ (1952 Photorevised 1973)

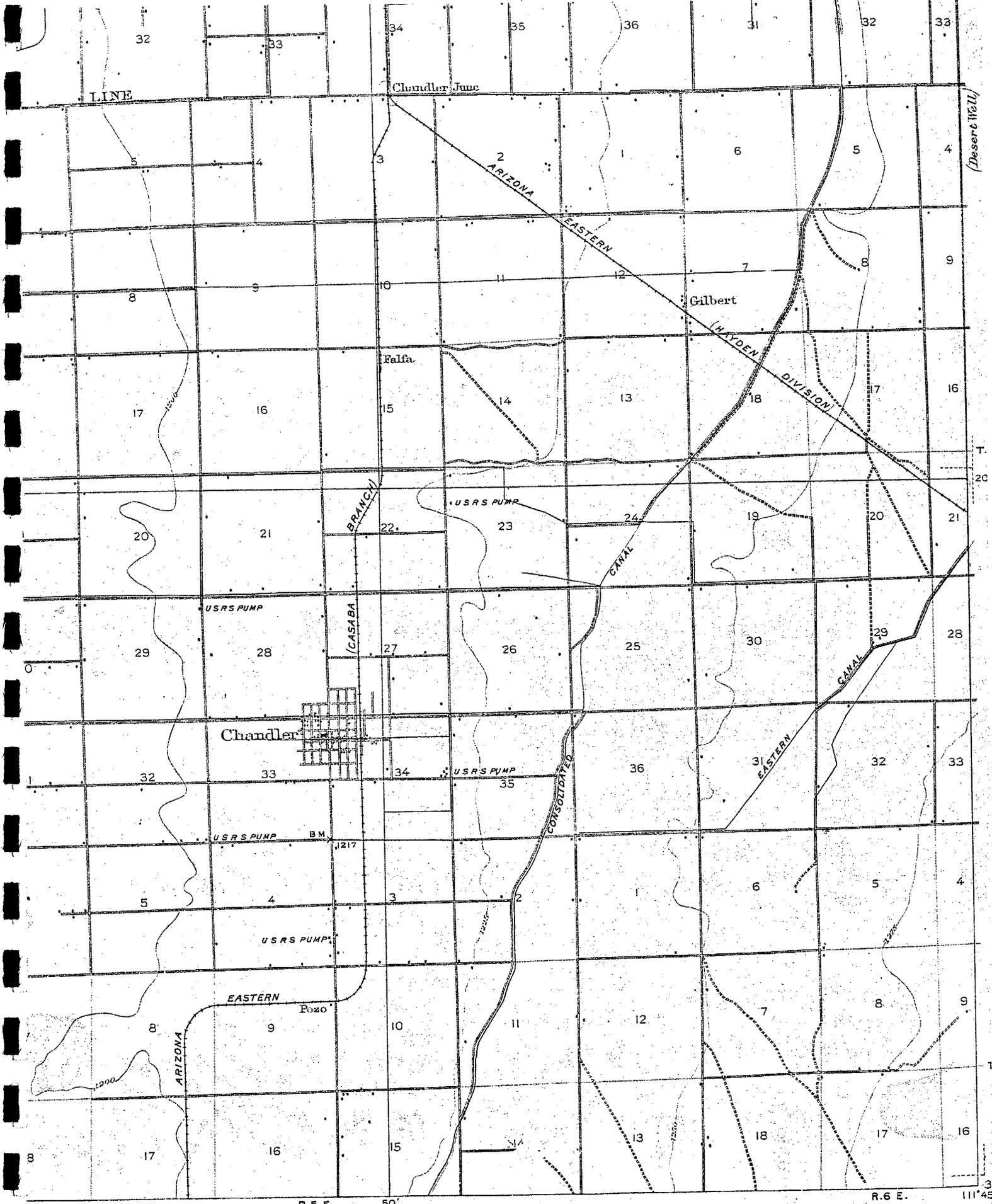
CORNER 0.2 MI. | 422 | 50' | 423 | 424 |



Norton

CORNER 0.2 MI.
N. TO ARIZ. 387

Chandler, AZ (1952 Photorevised 1967)



LINE

Chandler, June

Gilbert

Falfa

Chandler

BM 1217

Pozo

(Desert 112U)

T.

20

20

20

1

3

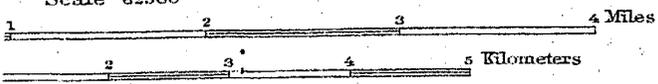
45

Scale 1/33500

R. 5 E. 50'

R. 6 E.

Edition of April 1915.



Mesa, AZ (1915)

Environmental Data Resources, Inc. Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Report is designed to assist professionals in evaluating potential liability on a target property, and its surrounding area, resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources*. *Reasonably ascertainable is defined as information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.*

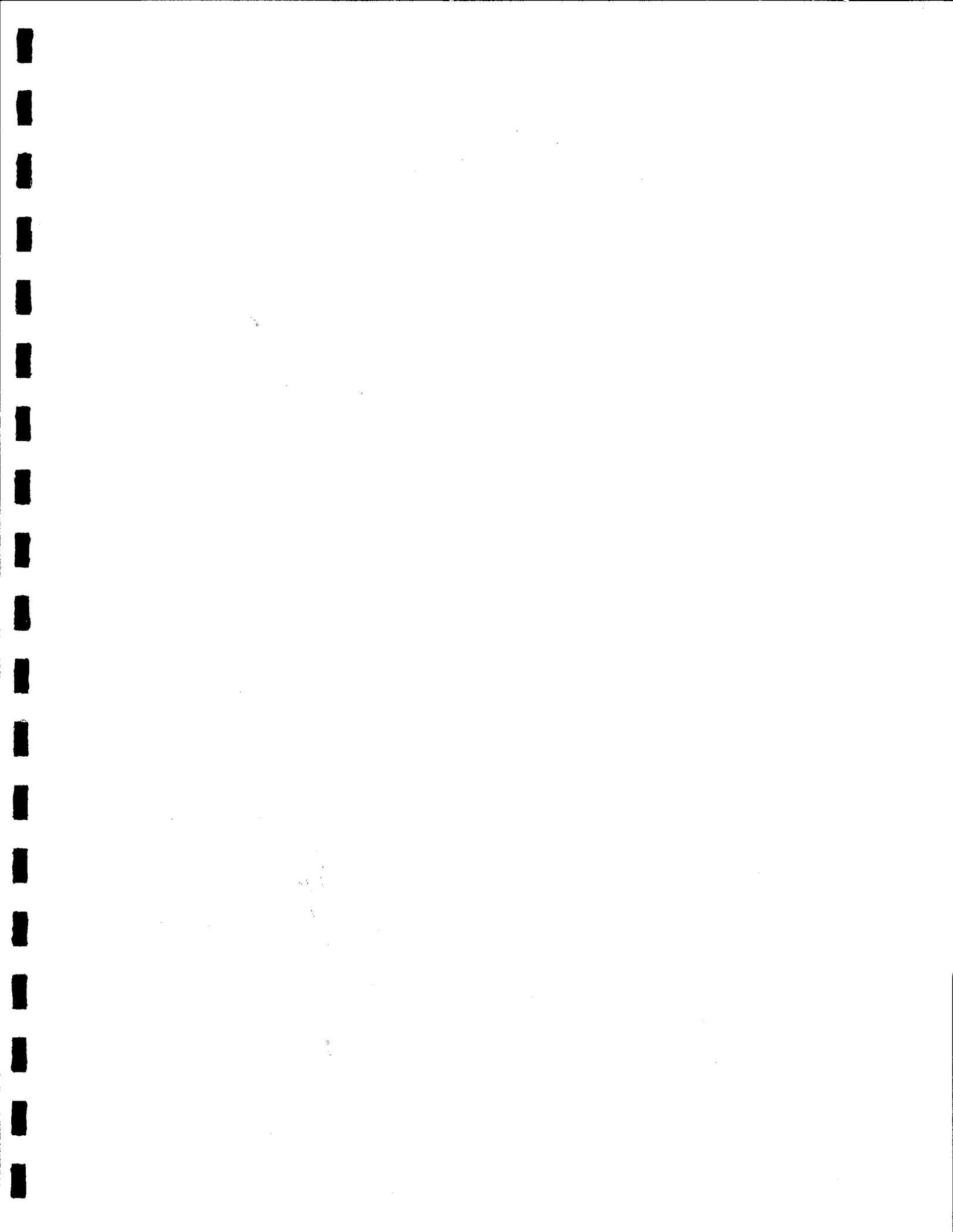
To meet the prior use requirements of ASTM E 1527-00, Section 7.3.2, the following *standard historical sources* may be used: aerial photographs, city directories, fire insurance maps, topographic maps, property tax files, land title records (although these cannot be the sole historical source consulted), building department records, or zoning/and use records. ASTM E 1527-00 requires "*All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful.*" ASTM E 1527-00, Section 7.3.2 page 11.)

EDR's Historical Topographic Map Report includes a search of available public and private color historical topographic map collections.

Topographic Maps

A topographic map (topo) is a color coded line-and-symbol representation of natural and selected artificial features plotted to a scale. Topos show the shape, elevation, and development of the terrain in precise detail by using contour lines and color coded symbols. Many features are shown by lines that may be straight, curved, solid, dashed, dotted, or in any combination. The colors of the lines usually indicate similar classes of information. For example, topographic contours (brown); lakes, streams, irrigation ditches, etc. (blue); land grids and important roads (red); secondary roads and trails, railroads, boundaries, etc. (black); and features that have been updated using aerial photography, but not field verified, such as disturbed land areas (e.g., gravel pits) and newly developed water bodies (purple).

For more than a century, the USGS has been creating and revising topographic maps for the entire country at a variety of scales. There are about 60,000 U.S. Geological Survey (USGS) produced topo maps covering the United States. Each map covers a specific quadrangle (quad) defined as a four-sided area bounded by latitude and longitude. Historical topographic maps are a valuable historical resource for documenting the prior use of a property and its surrounding area, and due to their frequent availability can be particularly helpful when other standard historical sources (such as city directories, fire insurance maps, or aerial photographs) are not reasonably ascertainable.



APPENDIX C
EDR REGULATORY DATABASE



The EDR Radius Map with GeoCheck[®]

**FCDMC - Detention Basin
Queen Creek/McQueen Road
Chandler, AZ 85249**

Inquiry Number: 0748533.2r

March 21, 2002

The Source For Environmental Risk Management Data

**3530 Post Road
Southport, Connecticut 06490**

Nationwide Customer Service

**Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com**

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 <u>GEOCHECK ADDENDUM</u>	
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

UST..... Underground Storage Tank Listing
AZ WQARF..... Water Quality Assurance Revolving Fund Sites

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
Delisted NPL..... National Priority List Deletions
FINDS..... Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS..... Hazardous Materials Information Reporting System
MLTS..... Material Licensing Tracking System
MINES..... Mines Master Index File
NPL Liens..... Federal Superfund Liens
PADS..... PCB Activity Database System
RAATS..... RCRA Administrative Action Tracking System
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST..... List of Aboveground Storage Tanks
AZ Spills..... Hazardous Material Logbook
AZ DOD..... Department of Defense Sites
WWFAC..... Waste Water Treatment Facilities
Aquifer..... Waste Water Treatment Facilities
Dry Wells..... Drywell Registration
AZ AIRS..... Arizona Airs Database

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

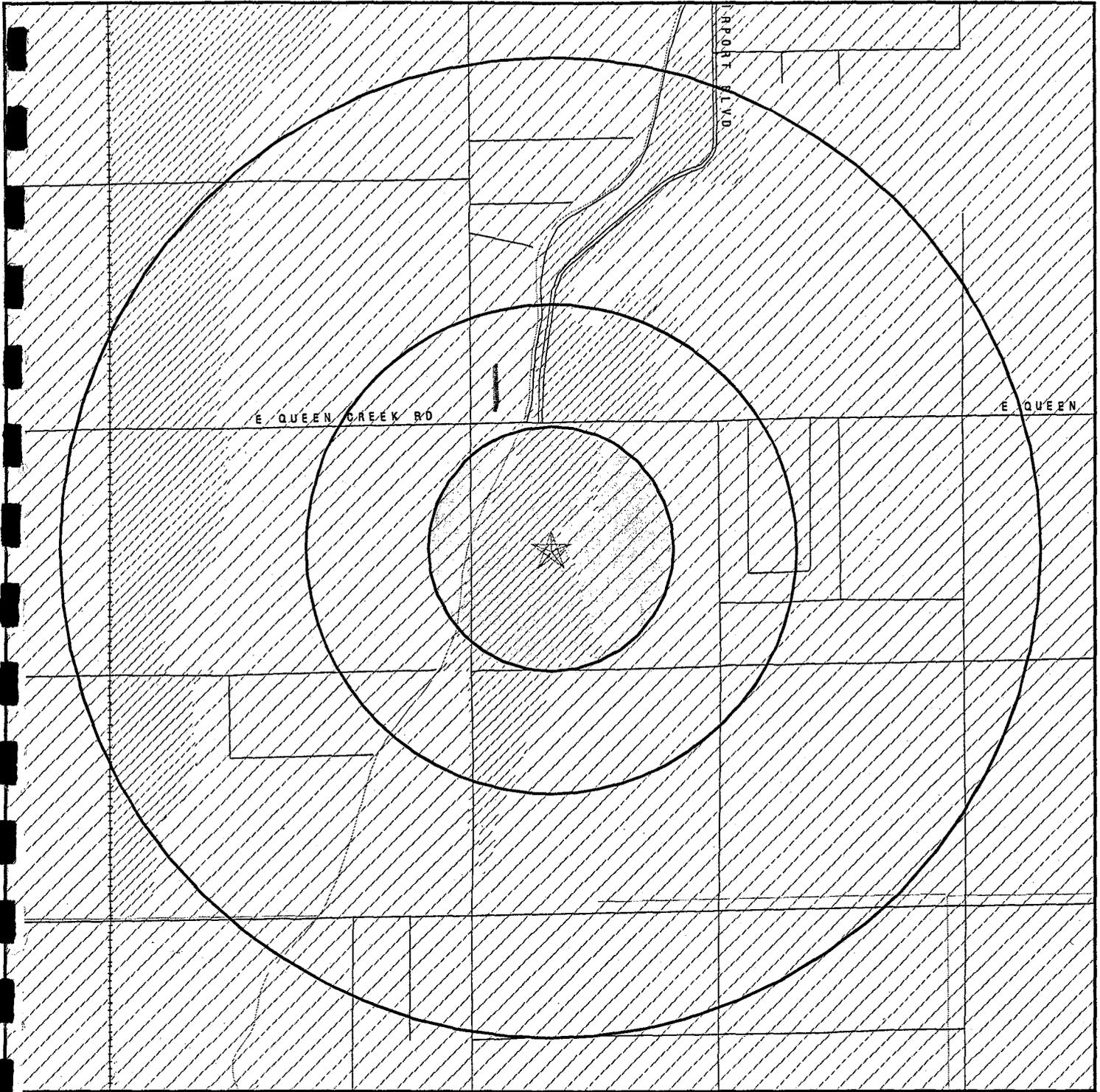
Site Name

SPRECKLES MONTERREY HOME
WILBER ELLIS PESTICIDE DUMP
SAN TAN DUSTERS
CHANDLER, CITY OF
PROPERTY RESERVE, INC.
K & L DAIRY LTDI

Database(s)

SHWS
SHWS
AZ Spills, WWFAC
AZ Spills, WWFAC
WWFAC, Aquifer
WWFAC

OVERVIEW MAP - 0748533.2r - URS Corporation



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Coal Gasification Sites

National Priority List Sites

Landfill Sites

 Power transmission lines

 Oil & Gas pipelines

 100-year flood zone

 500-year flood zone

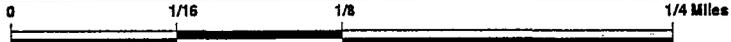
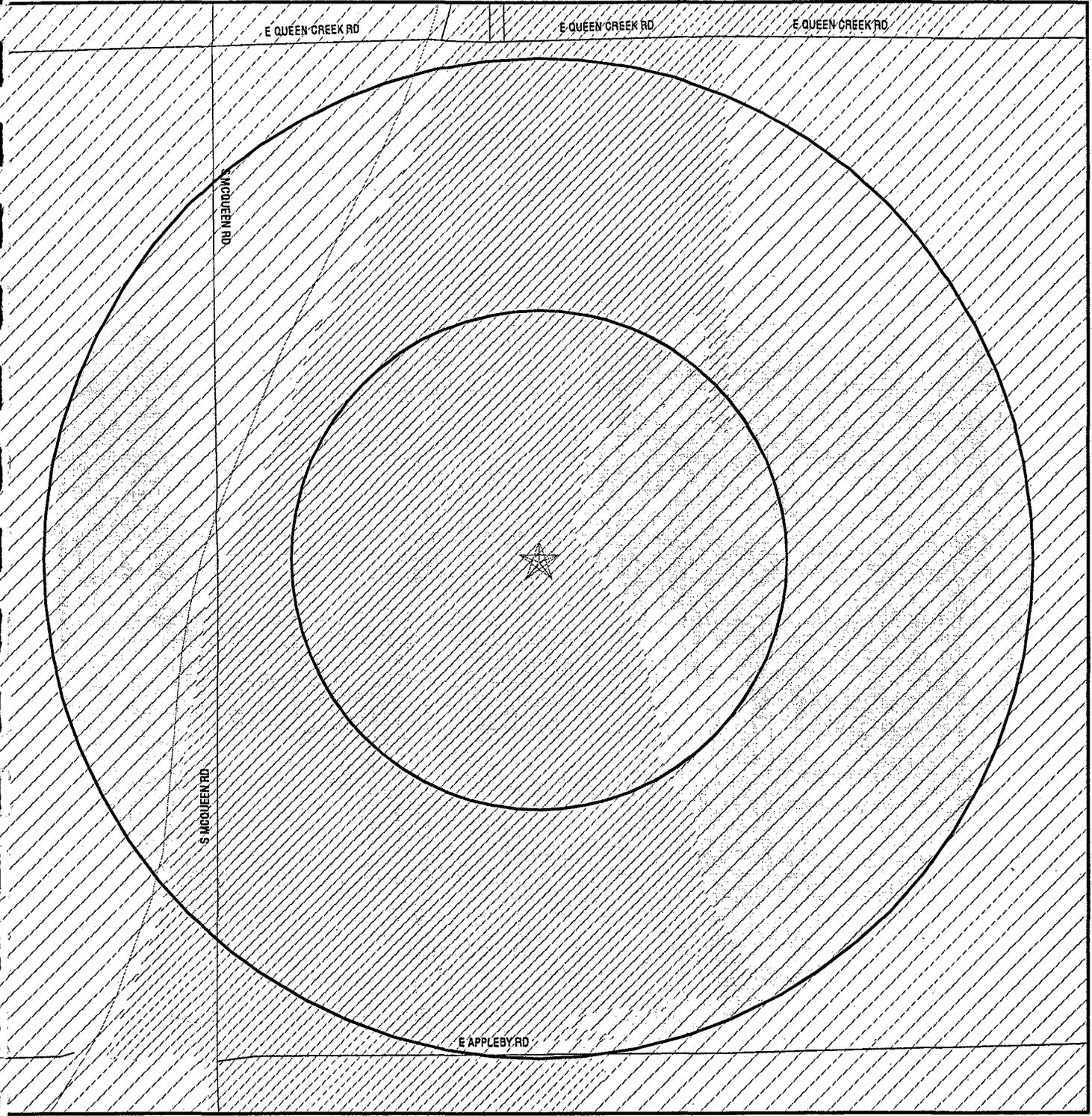
 Dept. of Defense Sites

 Water Quality Assurance Revolving Fund Areas

TARGET PROPERTY: FCDMC - Detention Basin
ADDRESS: Queen Creek/McQueen Road
CITY/STATE/ZIP: Chandler AZ 85249
LAT/LONG: 33.2587 / 111.8213

CUSTOMER: URS Corporation
CONTACT: Marianne Burrus
INQUIRY #: 0748533.2r
DATE: March 21, 2002 3:08 pm

DETAIL MAP - 0748533.2r - URS Corporation



Target Property

- ▲ Sites at elevations higher than or equal to the target property
- ▲ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- ▲ Sensitive Receptors
- ▲ National Priority List Sites
- ▲ Landfill Sites

- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

- Dept. of Defense Sites
- Water Quality Assurance Revolving Fund Areas



TARGET PROPERTY: FCDMC - Detention Basin
ADDRESS: Queen Creek/McQueen Road
CITY/STATE/ZIP: Chandler AZ 85249
LAT/LONG: 33.2587 / 111.8213

CUSTOMER: URS Corporation
CONTACT: Marianne Burrus
INQUIRY #: 0748533.2r
DATE: March 21, 2002 3:08 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
SPL		1.000	0	0	0	0	NR	0
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
AZ WQARF		1.000	0	0	0	0	NR	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
AST		TP	NR	NR	NR	NR	NR	0
AZ Spills		TP	NR	NR	NR	NR	NR	0
AZ DOD		0.500	0	0	0	NR	NR	0
WWFAC		0.500	0	0	0	NR	NR	0
Aquifer		TP	NR	NR	NR	NR	NR	0
Dry Wells		TP	NR	NR	NR	NR	NR	0
AZ AIRS		TP	NR	NR	NR	NR	NR	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Coal Gas		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
-----------------	----------------------------	----------------------------------------	-----------------	------------------	------------------	----------------	---------------	--------------------------

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

NO SITES FOUND

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
CHANDLER	S100887617	SAN TAN DUSTERS	CHANDLER AIRPORT		AZ Spills, WWFAC	85-104
CHANDLER	S103931932	SPRECKLES MONTERREY HOME	NW CORNER OF MC QUEEN / RIGG		SHWS	
CHANDLER	S103277388	CHANDLER, CITY OF	SW CORNER RAY RD / ARIZONA A		AZ Spills, WWFAC	89-297
CHANDLER	S102789579	PROPERTY RESERVE, INC.	OCOTILLO RD BETWN ALMAS /		WWFAC, Aquifer	P102771
CHANDLER	S104826861	K & L DAIRY LTDI	13433 EAST QUEEN CREEK RO	85249	WWFAC	
SUN LAKES	S103392014	WILBER ELLIS PESTICIDE DUMP	SE OF CHANDLER HEIGHTS RD. /	85249	SHWS	

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.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

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: 01/29/02

Date Made Active at EDR: 02/25/02

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/04/02

Elapsed ASTM days: 21

Date of Last EDR Contact: 02/04/02

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 01/17/02

Date Made Active at EDR: 02/25/02

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/04/02

Elapsed ASTM days: 21

Date of Last EDR Contact: 02/04/02

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

Source: EPA

Telephone: 703-413-0223

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

Date of Government Version: 11/21/01

Date Made Active at EDR: 02/04/02

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/26/01

Elapsed ASTM days: 40

Date of Last EDR Contact: 12/26/01

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/21/01
Date Made Active at EDR: 02/04/02
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/26/01
Elapsed ASTM days: 40
Date of Last EDR Contact: 12/16/01

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 11/14/01
Date Made Active at EDR: 01/14/02
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/14/01
Elapsed ASTM days: 61
Date of Last EDR Contact: 11/14/01

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 06/21/00
Date Made Active at EDR: 07/31/00
Database Release Frequency: Varies

Date of Data Arrival at EDR: 07/10/00
Elapsed ASTM days: 21
Date of Last EDR Contact: 01/14/02

ERNS: Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

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

Date of Government Version: 08/08/00
Date Made Active at EDR: 09/06/00
Database Release Frequency: Varies

Date of Data Arrival at EDR: 08/11/00
Elapsed ASTM days: 26
Date of Last EDR Contact: 02/01/02

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

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: 12/31/99
Database Release Frequency: Biennially

Date of Last EDR Contact: 12/17/01
Date of Next Scheduled EDR Contact: 03/18/02

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

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: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

ROD: Records Of Decision

Source: NTIS

Telephone: 703-416-0223

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/00
Database Release Frequency: Annually

Date of Last EDR Contact: 01/07/02
Date of Next Scheduled EDR Contact: 04/08/02

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: N/A

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: 01/29/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/04/02
Date of Next Scheduled EDR Contact: 05/06/02

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA
Telephone: N/A

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: 10/29/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/07/02
Date of Next Scheduled EDR Contact: 04/08/02

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4526

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

Date of Government Version: 09/30/01
Database Release Frequency: Annually

Date of Last EDR Contact: 01/21/02
Date of Next Scheduled EDR Contact: 04/22/02

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

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: 10/25/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/07/02
Date of Next Scheduled EDR Contact: 04/08/02

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 12/14/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/02/02
Date of Next Scheduled EDR Contact: 04/01/02

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/26/02
Date of Next Scheduled EDR Contact: 05/27/02

PADS: PCB Activity Database System

Source: EPA
Telephone: 202-260-3936

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: 09/30/01
Database Release Frequency: Annually

Date of Last EDR Contact: 02/12/02
Date of Next Scheduled EDR Contact: 05/13/02

RAATS: RCRA Administrative Action Tracking System

Source: EPA
Telephone: 202-564-4104

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: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/11/01
Date of Next Scheduled EDR Contact: 03/11/02

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-260-1531

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.

Date of Government Version: 12/31/99
Database Release Frequency: Annually

Date of Last EDR Contact: 12/26/01
Date of Next Scheduled EDR Contact: 03/25/02

TSCA: Toxic Substances Control Act

Source: EPA
Telephone: 202-260-5521

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: 12/31/98
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 01/22/02
Date of Next Scheduled EDR Contact: 04/22/02

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

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501

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: 01/11/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/26/01
Date of Next Scheduled EDR Contact: 03/25/02

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

Source: EPA
Telephone: 202-564-2501

Date of Government Version: 01/14/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/26/01
Date of Next Scheduled EDR Contact: 03/25/02

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF ARIZONA ASTM STANDARD RECORDS

SPL: Superfund Program List

Source: Dept. of Environmental Quality

Telephone: 602-207-4360

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: 10/23/00

Date Made Active at EDR: 01/03/01

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 12/04/00

Elapsed ASTM days: 30

Date of Last EDR Contact: 12/04/01

SHWS: ZipAcids List

Source: Department of Environmental Quality

Telephone: 602-207-2202

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: 01/03/00

Date Made Active at EDR: 05/16/00

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 04/11/00

Elapsed ASTM days: 35

Date of Last EDR Contact: 01/21/02

SWF/LF: Directory of Solid Waste Facilities

Source: Department of Environmental Quality

Telephone: 602-207-4132

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: 11/01/00

Date Made Active at EDR: 02/01/01

Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/02/01

Elapsed ASTM days: 30

Date of Last EDR Contact: 01/04/02

LUST: Leaking Underground Storage Tank Listing

Source: Department of Environmental Quality

Telephone: 602-207-4345

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: 02/20/02

Date Made Active at EDR: 03/20/02

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 03/11/02

Elapsed ASTM days: 9

Date of Last EDR Contact: 02/04/02

UST: Underground Storage Tank Listing

Source: Department of Environmental Quality

Telephone: 602-207-4345

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: 11/07/01

Date Made Active at EDR: 12/10/01

Database Release Frequency: Annually

Date of Data Arrival at EDR: 11/08/01

Elapsed ASTM days: 32

Date of Last EDR Contact: 01/14/02

WQARF: Water Quality Assurance Revolving Fund Sites

Source: Department of Environmental Quality

Telephone: 602-207-2202

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/12/01
Date Made Active at EDR: 09/24/01
Database Release Frequency: Annually

Date of Data Arrival at EDR: 06/26/01
Elapsed ASTM days: 90
Date of Last EDR Contact: 01/02/02

STATE OF ARIZONA ASTM SUPPLEMENTAL RECORDS

AST: List of Aboveground Storage Tanks

Source: Dept. of Building & Fire Safety
Telephone: 602-255-4964

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

Date of Government Version: 12/31/00
Database Release Frequency: Annually

Date of Last EDR Contact: 01/25/02
Date of Next Scheduled EDR Contact: 04/15/02

SPILLS: Hazardous Material Logbook

Source: Department of Environmental Quality
Telephone: 602-207-2202

ADEQ Emergency Response Unit. The ADEQ Emergency Response Unit documents chemical spills and incidents which are referred to the Unit. The logbook information for 1984-1986 consists of handwritten entries of the date, incident number and name of facility if known. Current logbooks are computerized and can be sorted by date, incident number, name, city (zip codes are not included), county, chemical and quantity.

Date of Government Version: 06/30/00
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/02/02
Date of Next Scheduled EDR Contact: 04/01/02

DOD: Department of Defense Sites

Source: Department of Environmental Quality
Telephone: 602-207-2202

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: 06/12/01
Database Release Frequency: Annually

Date of Last EDR Contact: 01/02/02
Date of Next Scheduled EDR Contact: 03/25/02

WWFAC: Waste Water Treatment Facilities

Source: Department of Environmental Quality
Telephone: 602-207-4623

Statewide list of waste water treatment facilities.

Date of Government Version: 12/12/00
Database Release Frequency: Varies

Date of Last EDR Contact: 02/25/02
Date of Next Scheduled EDR Contact: 05/27/02

AQUIFER: Waste Water Treatment Facilities

Source: Department of Environmental Quality
Telephone: 602-207-4623

Waste Water Treatment Facilities with APP (Aquifer Protection Permits.)

Date of Government Version: 11/01/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/28/02
Date of Next Scheduled EDR Contact: 04/29/02

DRY WELLS: Drywell Registration

Source: Department of Environmental Quality
Telephone: 602-207-2202

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: 12/01/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/26/01
Date of Next Scheduled EDR Contact: 03/25/02

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AZ AIRS: Arizona Airs Database

Source: Department of Environmental Quality

Telephone: 602-207-2344

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

Date of Government Version: 12/17/01

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/05/02

Date of Next Scheduled EDR Contact: 05/06/02

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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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.

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

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.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FCDMC - DETENTION BASIN
QUEEN CREEK/MCQUEEN ROAD
CHANDLER, AZ 85249

TARGET PROPERTY COORDINATES

Latitude (North):	33.258701 - 33° 15' 31.3"
Longitude (West):	111.821297 - 111° 49' 16.7"
Universal Transverse Mercator:	Zone 12
UTM X (Meters):	423499.5
UTM Y (Meters):	3680075.8

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

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. 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.

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.

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2433111-C7 CHANDLER, AZ
Source: USGS 7.5 min quad index

GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property: General SSE

Source: General Topographic Gradient has been determined from the USGS 1 Degree 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.

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Target Property County
MARICOPA, AZ

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

Flood Plain Panel at Target Property: 04013C2665E / CWPP

Additional Panels in search area:
04013C2670F / CWPP
04013C3030F / CWPP
04013C3035F / CWPP

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
NOT AVAILABLE

NWI Electronic
Data Coverage
Not Available

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Site-Specific Hydrogeological Data*:

Search Radius: 2.0 miles
Location Relative to TP: 1/2 - 1 Mile ENE
Site Name: CHANDLER MUNICIPAL ARPT
Site EPA ID Number: AZD980883656
Groundwater Flow Direction: GENERALLY NE.
Measured Depth to Water: variable, and ranges from 162 to 225 feet in the site area.
Hydraulic Connection: Detailed hydraulic connection information is not available.
Sole Source Aquifer: No information about a sole source aquifer is available
Data Quality: Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 2.000 Miles.

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>
30	1/2 - 1 Mile NNE	E
35	1 - 2 Miles NE	Not Reported

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

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 (decoded above as Era, System & Series)

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).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Component Name: CASA GRANDE

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	1 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 9.00 Min: 7.90
2	1 inches	23 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.06	Max: 9.60 Min: 9.00
3	23 inches	60 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 0.60 Min: 0.20	Max: 9.60 Min: 9.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: fine sandy loam

Surficial Soil Types: fine sandy loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

loamy fine sand

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	331546111491901	1/4 - 1/2 Mile NNW
3	331546111493301	1/4 - 1/2 Mile NW
F21	331611111493301	1/2 - 1 Mile NNW
33	331444111493201	1/2 - 1 Mile SSW
34	331448111494901	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

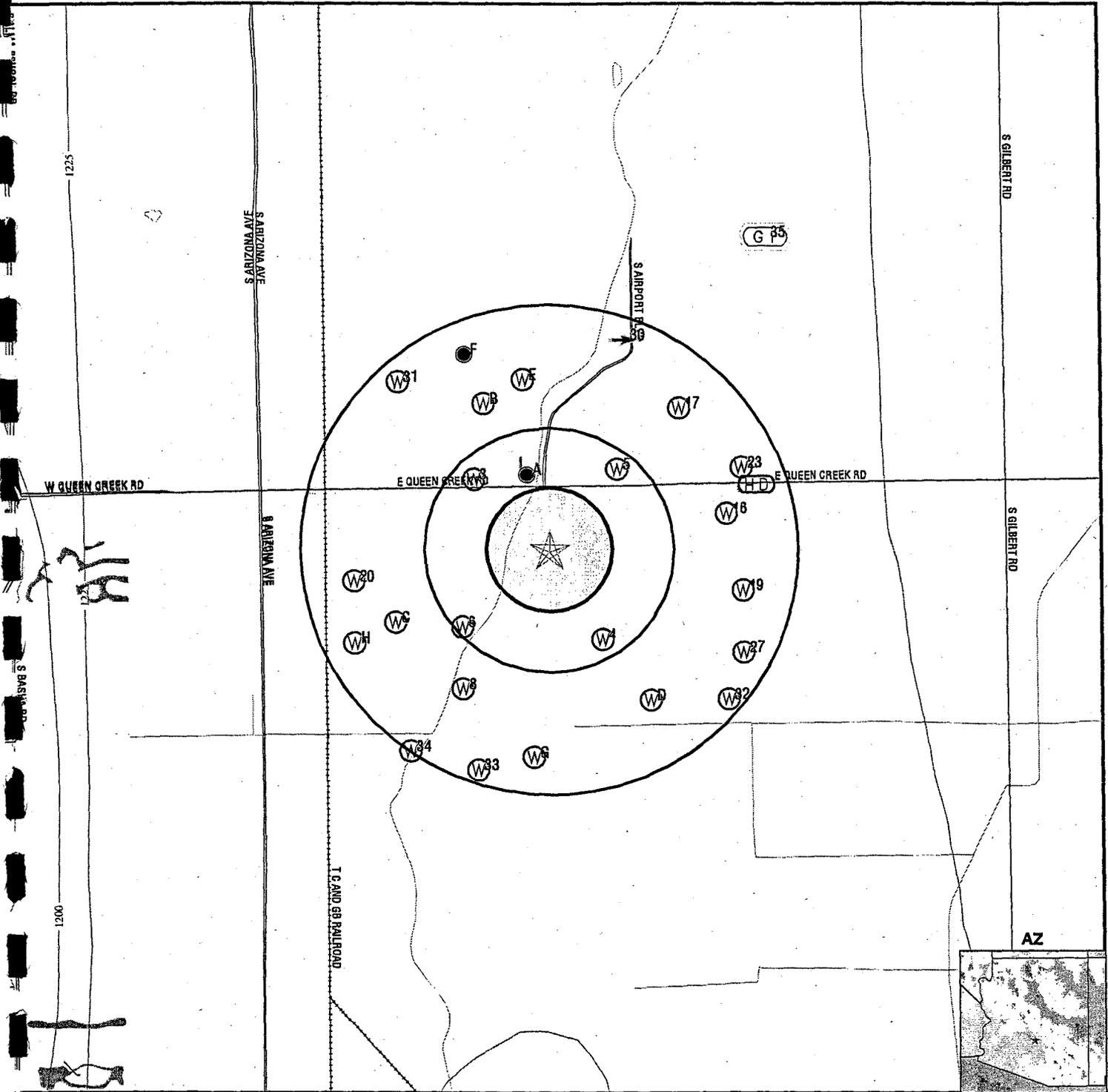
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	617091	1/4 - 1/2 Mile NNW
4	620741	1/4 - 1/2 Mile SSE
5	635971	1/4 - 1/2 Mile NE
6	553137	1/4 - 1/2 Mile SW
B7	537774	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

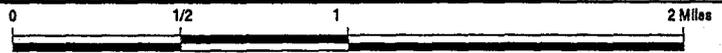
MAP ID	WELL ID	LOCATION FROM TP
8	553136	1/2 - 1 Mile SSW
C9	634386	1/2 - 1 Mile WSW
C10	634385	1/2 - 1 Mile WSW
D11	542015	1/2 - 1 Mile SE
B12	635089	1/2 - 1 Mile NNW
E13	625372	1/2 - 1 Mile North
E14	625373	1/2 - 1 Mile North
C15	629704	1/2 - 1 Mile WSW
16	804367	1/2 - 1 Mile ENE
17	535200	1/2 - 1 Mile NE
D18	542013	1/2 - 1 Mile SSE
19	640174	1/2 - 1 Mile ESE
20	610221	1/2 - 1 Mile West
G22	610664	1/2 - 1 Mile South
23	553477	1/2 - 1 Mile ENE
H24	636176	1/2 - 1 Mile WSW
H25	634734	1/2 - 1 Mile WSW
G26	610665	1/2 - 1 Mile South
27	542014	1/2 - 1 Mile ESE
F28	555249	1/2 - 1 Mile NNW
F29	625619	1/2 - 1 Mile NNW
31	603619	1/2 - 1 Mile NW
32	620738	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 0748533.2r



- Major Roads
- Contour Lines
- Water Wells
- Public Water Supply Wells
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Cluster of Multiple Icons

- Earthquake epicenter, Richter 5 or greater
- Closest Hydrogeological Data



TARGET PROPERTY: FDCMC - Detention Basin
ADDRESS: Queen Creek/McQueen Road
CITY/STATE/ZIP: Chandler AZ 85249
LAT/LONG: 33.2587 / 111.8213

CUSTOMER: URS Corporation
CONTACT: Marianne Burrus
INQUIRY #: 0748533.2r
DATE: March 21, 2002 3:08 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
NNW
1/4 - 1/2 Mile
Higher

FED USGS 331546111491901

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type	County:	Maricopa
Year Constructed:	1973	State:	Arizona
Altitude:	1225.00 ft.	Topographic Setting:	Not Reported
Well Depth:	1002.00 ft.	Prim. Use of Site:	Withdrawal of water
Depth to Water Table:	111.00 ft.	Prim. Use of Water:	Irrigation
Date Measured:	04011973		

A2
NNW
1/4 - 1/2 Mile
Higher

AZ WELLS 617091

Registration Num:	617091	Map ID:	A2
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	11
1/4 Section:	C	1/4, 1/4 Section:	C
1/4, 1/4, 1/4 Section:	C	Location Accuracy:	Unverified

File Type:	Registered Wells	AMA/INA Sub-Basin:	Not In AMA or INA Sub-Basin
AMA or INA Basin:	Phoenix AMA		
Well Type:	Non Exempt Well (Old) (pump capacity > 35 gpm or irrigates > 2 acres)		
	If no pump equipment is noted as installed on 'Intent to Drill' form, it is entered as a Non - Exempt well		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Corporation	Owner:	Not Reported
Water Use:	Irrigation	Well Use:	Water Production
Drill Permit Issued:	May 26, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	SALT RIVER PROJECT		
In Care of:	Not Reported		
	PO BOX 1980		
	PHOENIX, AZ 85001		

Well Depth (Ft):	1002	Casing Diameter (In):	20
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Caseing
Pump Capacity (GPM):	2379	Water Level (Ft):	189
Well Completed:	Mar 08, 1973	Acres Irrigated:	0.00
Pump Capacity Test:	2379 (GMP)	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	0
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

3
NW
1/4 - 1/2 Mile
Higher

FED USGS 331546111493301

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	Not Reported	County:	Maricopa
Altitude:	Not Reported	State:	Arizona
Well Depth:	580.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Not Reported
Date Measured:	Not Reported	Prim. Use of Water:	Not Reported

4

SSE

1/4 - 1/2 Mile
Higher

AZ WELLS 620741

Registration Num:	620741	Map ID:	4
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	14
1/4 Section:	C	1/4, 1/4 Section:	A
1/4, 1/4, 1/4 Section:	Not Reported	Location Accuracy:	Unverified

File Type:	Registered Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	East Salt River Valley - Phoenix AMA
Well Type:	Exempt Well (Old) (pump capacity < 35 gpm or irrigates < 2 acres)		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Domestic	Well Use:	Water Production
Drill Permit Issued:	Jun 14, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	Yes
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	RINI REALTY COMPANY		
In Care of:	Not Reported 4529 INDUSTRIAL PLWY CLEVELAND, OH 44135		

Well Depth (Ft):	0	Casing Diameter (In):	8
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Casing
Pump Capacity (GPM):	10	Water Level (Ft):	265
Well Completed:	Not Reported	Acres Irrigated:	0.00
Pump Capacity Test:	10 (GMP)	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	0
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

5

NE

1/4 - 1/2 Mile
Higher

AZ WELLS 635971

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Registration Num:	635971	Map ID:	5
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	11
1/4 Section:	C	1/4,1/4 Section:	D
1/4,1/4,1/4 Section:	D	Location Accuracy:	Unverified

File Type:	Registered Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	East Salt River Valley - Phoenix AMA
Well Type:	Exempt Well (Old) (pump capacity < 35 gpm or irrigates < 2 acres)		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Domestic	Well Use:	Water Production
Drill Permit Issued:	Jun 14, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	Yes
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	CXL
Owner:	CHANDLER, CITY OF		
In Care of:	9-30-91 200 E COMMONWEALTH CHANDLER,AZ 85225		

Well Depth (Ft):	570	Casing Diameter (In):	8
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Casing
Pump Capacity (GPM):	20	Water Level (Ft):	195
Well Completed:	Feb 01, 1970	Acres Irrigated:	0.00
Pump Capacity Test:	20 (GMP)	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

6
SW
1/4 - 1/2 Mile
Higher

AZ WELLS 553137

Registration Num:	553137	Map ID:	6
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	15
1/4 Section:	D	1/4,1/4 Section:	A
1/4,1/4,1/4 Section:	B	Location Accuracy:	Unverified

File Type:	New Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	East Salt River Valley - Phoenix AMA
Well Type:	Monitor / Piezometer (Exploration) Monitor wells can have only one well		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Municipal	Owner:	Not Reported
Water Use:	Monitoring	Well Use:	Monitor

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drill Permit Issued:	Nov 06, 1995	Registration Num:	176
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Completed (when Well Drillers Completion Report is entered)	Poor Qual Prmt Status:	Not Reported
Completion Report Stat:	Completed (when Well Drillers Completion Report is entered)		
Poor Quality Prmt Num:	Not Reported		
Owner:	CHANDLER, CITY OF		
In Care of:	Not Reported		
	249 E CHICAGO ST		
	CHANDLER, AZ 85225		
Well Depth (Ft):	101	Casing Diameter (In):	6
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Casing
Pump Capacity (GPM):	9	Water Level (Ft):	69
Well Completed:	Nov 30, 1995	Acres Irrigated:	0.00
Pump Capacity Test:	5 (GMP)	Yield Method:	Bucket, Barrell, or Stopwatch
Pump Type:	Submersible	Drawdown (Ft):	2
Pump Power Type:	Electric Motor 0 -> 1 HP	Point of Use 2:	Not Reported
Point of Use 1:	Not Reported		

B7
NNW
1/2 - 1 Mile
Higher

AZ WELLS 537774

Registration Num:	537774	Map ID:	B7
CADASTRAL LOCATION OF WELL:		Township:	02
State Quadrant:	D	Range:	05
1/2 Township:	-	Section:	10
1/2 Range:	Not Reported	1/4, 1/4 Section:	A
1/4 Section:	D	Location Accuracy:	Unverified
1/4, 1/4, 1/4 Section:	D		
File Type:	New Wells	AMA/INA Sub-Basin:	East Salt River Valley - Phoenix AMA
AMA or INA Basin:	Phoenix AMA	County:	Maricopa
Well Type:	Domestic / Stock Well (New)	Owner:	Not Reported
River Watershed:	La Paz	Well Use:	Water Production
Owner Type:	Private	Registration Num:	360
Water Use:	Domestic	Change in Owner:	No
Drill Permit Issued:	Jan 06, 1993	Poor Qual Prmt Status:	Not Reported
Intended Pump Cap.:	35 (GPM)		
Drillers Log Status:	Completed (when Well Drillers Completion Report is entered)		
Completion Report Stat:	Completed (when Well Drillers Completion Report is entered)		
Poor Quality Prmt Num:	Not Reported		
Owner:	ELDRED, KENNETH B		
In Care of:	Not Reported		
	1266 W KILAREA AVE		
	MESA, AZ 85202		
Well Depth (Ft):	500	Casing Diameter (In):	12
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Casing
Pump Capacity (GPM):	35	Water Level (Ft):	180
Well Completed:	Feb 01, 1993	Acres Irrigated:	1.5000
Pump Capacity Test:	35 (GMP)	Yield Method:	Meter
Pump Type:	Submersible	Drawdown (Ft):	280
Pump Power Type:	Electric Motor 1 -> 5 HP	Point of Use 2:	Not Reported
Point of Use 1:	SE NE SE 10 020 S 050 E		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

8
SSW
1/2 - 1 Mile
Higher

AZ WELLS 553136

Registration Num: 553136

Map ID: 8

CADASTRAL LOCATION OF WELL:

State Quadrant: D
1/2 Township: -
1/2 Range: Not Reported
1/4 Section: D
1/4, 1/4, 1/4 Section: B

Township: 02
Range: 05
Section: 15
1/4, 1/4 Section: D
Location Accuracy: Unverified

File Type: New Wells
AMA or INA Basin: Phoenix AMA

AMA/INA Sub-Basin: East Salt River Valley - Phoenix AMA

Well Type: Monitor / Piezometer (Exploration)
Monitor wells can have only one well

River Watershed: La Paz
Owner Type: Municipal
Water Use Monitoring
Drill Permit Issued: Nov 06, 1995
Intended Pump Cap.: Not Reported

County: Maricopa
Owner: Not Reported
Well Use Monitor
Registration Num: 176
Change in Owner: No

Drillers Log Status: Completed (when Well Drillers Completion Report is entered)
Completion Report Stat: Completed (when Well Drillers Completion Report is entered)

Poor Quality Prmt Num: Not Reported

Poor Qual Prmt Status: Not Reported

Owner: CHANDLER, CITY OF

In Care of: Not Reported
249 E CHICAGO ST
CHANDLER, AZ 85225

Well Depth (Ft): 101
Casing Depth (Ft): Not Reported
Pump Capacity (GPM): 9
Well Completed: Dec 21, 1995
Pump Capacity Test: 2 (GMP)
Pump Type: Submersible
Pump Power Type: Electric Motor 0 -> 1 HP
Point of Use 1: Not Reported

Casing Diameter (In): 6
Casing Finish: Steel - Perforated Slotted Caseing
Water Level (Ft): 66
Acres Irrigated: 0.00
Yield Method: Bucket, Barrell, or Stopwatch
Drawdown (Ft): 8
Point of Use 2: Not Reported

C9
WSW
1/2 - 1 Mile
Higher

AZ WELLS 634386

Registration Num: 634386

Map ID: C9

CADASTRAL LOCATION OF WELL:

State Quadrant: D
1/2 Township: -
1/2 Range: Not Reported
1/4 Section: D
1/4, 1/4, 1/4 Section: B

Township: 02
Range: 05
Section: 15
1/4, 1/4 Section: B
Location Accuracy: Unverified

File Type: Registered Wells

AMA or INA Basin: Phoenix AMA

AMA/INA Sub-Basin: Not In AMA or INA Sub-Basin

Well Type: Exempt Well (Old) (pump capacity < 35 gpm or irrigates < 2 acres)

River Watershed: La Paz
Owner Type: Private
Water Use Domestic

County: Maricopa
Owner: Not Reported
Well Use Water Production

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drill Permit Issued:	Jun 01, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	KERBY, R J		
In Care of:	Not Reported		
	11631 E APPLEBY RD		
	CHANDLER, AZ 85224		
Well Depth (Ft):	313	Casing Diameter (In):	6
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Casing
Pump Capacity (GPM):	10	Water Level (Ft):	125
Well Completed:	Apr 29, 1952	Acres Irrigated:	0.00
Pump Capacity Test:	10 (GMP)	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

C10
WSW
1/2 - 1 Mile
Higher

AZ WELLS 634385

Registration Num:	634385	Map ID:	C10
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	15
1/4 Section:	D	1/4, 1/4 Section:	B
1/4, 1/4, 1/4 Section:	B	Location Accuracy:	Unverified

File Type:	Registered Wells	AMA/INA Sub-Basin:	Not In AMA or INA Sub-Basin
AMA or INA Basin:	Phoenix AMA		
Well Type:	Exempt Well (Old) (pump capacity < 35 gpm or irrigates < 2 acres)		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Domestic	Well Use:	Water Production
Drill Permit Issued:	Jun 01, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	KERBY, R J		
In Care of:	Not Reported		
	11631 E APPLEBY RD		
	CHANDLER, AZ 85224		
Well Depth (Ft):	695	Casing Diameter (In):	8
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Casing
Pump Capacity (GPM):	10	Water Level (Ft):	245
Well Completed:	Jun 05, 1974	Acres Irrigated:	0.00
Pump Capacity Test:	10 (GMP)	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D11
SE
1/2 - 1 Mile
Higher

AZ WELLS 542015

Registration Num:	542015	Map ID:	D11
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	14
1/4 Section:	D	1/4,1/4 Section:	C
1/4,1/4,1/4 Section:	B	Location Accuracy:	Unverified

File Type:	New Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	East Salt River Valley - Phoenix AMA
Well Type:	Monitor / Piezometer (Exploration)		
	Monitor wells can have only one well		

River Watershed:	Salt River	County:	Maricopa
Owner Type:	Municipal	Owner:	Not Reported
Water Use:	Monitoring	Well Use:	Monitor
Drill Permit Issued:	Jan 07, 1994	Registration Num:	473
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Completed (when Well Drillers Completion Report is entered)		
Completion Report Stat:	Completed (when Well Drillers Completion Report is entered)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	CHANDLER, CITY OF		
In Care of:	Not Reported		

	249 E CHICAGO ST		
	CHANDLER,AZ 85225		
Well Depth (Ft):	99	Casing Diameter (In):	6
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Caseing
Pump Capacity (GPM):	9	Water Level (Ft):	67
Well Completed:	Feb 25, 1994	Acres Irrigated:	0.00
Pump Capacity Test:	Not Reported	Yield Method:	Not Reported
Pump Type:	Submersible	Drawdown (Ft):	Not Reported
Pump Power Type:	Electric Motor 1 -> 5 HP		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

B12
NNW
1/2 - 1 Mile
Higher

AZ WELLS 635089

Registration Num:	635089	Map ID:	B12
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	10
1/4 Section:	D	1/4,1/4 Section:	A
1/4,1/4,1/4 Section:	Not Reported	Location Accuracy:	Unverified

File Type:	Registered Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	Not in AMA or INA Sub-Basin
Well Type:	Exempt Well (Old) (pump capacity < 35 gpm or irrigates < 2 acres)		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Domestic	Well Use:	Water Production

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drill Permit Issued:	Apr 12, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	PACE, P		
In Care of:	Not Reported		
	19620 S MC QUEEN RD		
	CHANDLER,AZ 85249		
Well Depth (Ft):	518	Casing Diameter (In):	10
Casing Depth (Ft):	Not Reported	Casing Finish:	Not Reported
Pump Capacity (GPM):	35	Water Level (Ft):	260
Well Completed:	Not Reported	Acres Irrigated:	0.00
Pump Capacity Test:	Not Reported	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

E13
North
1/2 - 1 Mile
Higher

AZ WELLS 625372

Registration Num:	625372	Map ID:	E13
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	11
1/4 Section:	C	1/4,1/4 Section:	B
1/4,1/4,1/4 Section:	B	Location Accuracy:	Unverified

File Type:	Registered Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	Not In AMA or INA Sub-Basin
Well Type:	Non Exempt Well (Old) (pump capacity > 35 gpm or irrigates > 2 acres)		
	If no pump equipment is noted as installed on 'Intent to Drill' form, it is entered as a Non - Exempt well		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Domestic	Well Use:	Water Production
Drill Permit Issued:	Jun 14, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	WEINBERG, B		
In Care of:	Not Reported		
	12948 S PIONEER BLVD		
	NORWALK,CA 90650		
Well Depth (Ft):	703	Casing Diameter (In):	10
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Casing
Pump Capacity (GPM):	65	Water Level (Ft):	220
Well Completed:	1979	Acres Irrigated:	0.00
Pump Capacity Test:	65 (GMP)	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

E14
 North
 1/2 - 1 Mile
 Higher

AZ WELLS 625373

Registration Num:	625373	Map ID:	E14
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	11
1/4 Section:	C	1/4, 1/4 Section:	B
1/4, 1/4, 1/4 Section:	B	Location Accuracy:	Unverified

File Type:	Registered Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	Not In AMA or INA Sub-Basin
Well Type:	Exempt Well (Old) (pump capacity < 35 gpm or irrigates < 2 acres)		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Domestic	Well Use:	Water Production
Drill Permit Issued:	Jun 14, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	WEINBERG, B		
In Care of:	Not Reported		
	12948 S PIONEER BLVD		
	NORWALK, CA 90650		

Well Depth (Ft):	500	Casing Diameter (In):	8
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Casing
Pump Capacity (GPM):	30	Water Level (Ft):	200
Well Completed:	1960	Acres Irrigated:	0.00
Pump Capacity Test:	30 (GMP)	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

C15
 WSW
 1/2 - 1 Mile
 Higher

AZ WELLS 629704

Registration Num:	629704	Map ID:	C15
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	15
1/4 Section:	Not Reported	1/4, 1/4 Section:	Not Reported
1/4, 1/4, 1/4 Section:	Not Reported	Location Accuracy:	Unverified

File Type:	Registered Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	Not In AMA or INA Sub-Basin
Well Type:	Exempt Well (Old) (pump capacity < 35 gpm or irrigates < 2 acres)		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Domestic	Well Use:	Water Production

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drill Permit Issued:	Mar 01, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	DAUGHERTY, C C		
In Care of:	Not Reported		
	11542 E APPLEBY RD		
	CHANDLER,AZ 85224		
Well Depth (Ft):	Not Reported	Casing Diameter (In):	Not Reported
Casing Depth (Ft):	Not Reported	Casing Finish:	Not Reported
Pump Capacity (GPM):	Not Reported	Water Level (Ft):	Not Reported
Well Completed:	Not Reported	Acres Irrigated:	0.00
Pump Capacity Test:	Not Reported	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

16
ENE
1/2 - 1 Mile
Higher

AZ WELLS 804367

Registration Num:	804367	Map ID:	16
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	14
1/4 Section:	A	1/4,1/4 Section:	A
1/4,1/4,1/4 Section:	Not Reported	Location Accuracy:	Unverified
File Type:	Late Registration		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	East Salt River Valley - Phoenix AMA
Well Type:	Exempt Well (Old) (pump capacity < 35 gpm or irrigates < 2 acres)		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Domestic	Well Use:	Water Production
Drill Permit Issued:	Jan 20, 1987	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	ENGLAND, KENNETH		
In Care of:	Not Reported		
	11049 S PRICE		
	CHANDLER,AZ 85224		
Well Depth (Ft):	535	Casing Diameter (In):	8
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Caseing
Pump Capacity (GPM):	16	Water Level (Ft):	218
Well Completed:	1925	Acres Irrigated:	0.00
Pump Capacity Test:	Not Reported	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

17
NE
1/2 - 1 Mile
Higher
AZ WELLS 535200

Registration Num:	535200	Map ID:	17
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	11
1/4 Section:	D	1/4, 1/4 Section:	B
1/4, 1/4, 1/4 Section:	D	Location Accuracy:	Unverified

File Type:	New Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	East Salt River Valley - Phoenix AMA
Well Type:	Exploration		

Exploration wells can have more than one well

River Watershed:	La Paz	County:	Maricopa
Owner Type:	Municipal	Owner:	Not Reported
Water Use:	None	Well Use:	Geotechnical
Drill Permit Issued:	May 11, 1992	Registration Num:	473
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Completed (when Well Drillers Completion Report is entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	CXL
Owner:	CHANDLER, CITY OF		
In Care of:	PBLC WKS/ABND-05-92 249 E CHICAGO ST CHANDLER, AZ 85225		

Well Depth (Ft):	110	Casing Diameter (In):	Not Reported
Casing Depth (Ft):	Not Reported	Casing Finish:	Not Reported
Pump Capacity (GPM):	Not Reported	Water Level (Ft):	110
Well Completed:	May 29, 1992	Acres Irrigated:	0.00
Pump Capacity Test:	Not Reported	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

D18
SSE
1/2 - 1 Mile
Higher

AZ WELLS 542013

Registration Num:	542013	Map ID:	D18
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	14
1/4 Section:	D	1/4, 1/4 Section:	C
1/4, 1/4, 1/4 Section:	C	Location Accuracy:	Unverified

File Type:	New Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	East Salt River Valley - Phoenix AMA
Well Type:	Monitor / Piezometer (Exploration)		

Monitor wells can have only one well

River Watershed:	Salt River	County:	Maricopa
Owner Type:	Municipal	Owner:	Not Reported
Water Use:	Monitoring	Well Use:	Monitor

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drill Permit Issued:	Jan 07, 1994	Registration Num:	473
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Completed (when Well Drillers Completion Report is entered)		
Completion Report Stat:	Completed (when Well Drillers Completion Report is entered)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	CHANDLER, CITY OF		
In Care of:	Not Reported		
	249 E CHICAGO ST		
	CHANDLER,AZ 85225		
Well Depth (Ft):	101	Casing Diameter (In):	6
Casing Depth (Ft):	Not Reported	Casing Finish:	Plastic or PVC
Pump Capacity (GPM):	9	Water Level (Ft):	71
Well Completed:	Feb 23, 1994	Acres Irrigated:	0.00
Pump Capacity Test:	Not Reported	Yield Method:	Not Reported
Pump Type:	Submersible	Drawdown (Ft):	Not Reported
Pump Power Type:	Electric Motor 1 -> 5 HP		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

19
ESE
1/2 - 1 Mile
Higher

AZ WELLS 640174

Registration Num:	640174	Map ID:	19
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	14
1/4 Section:	A	1/4,1/4 Section:	D
1/4,1/4,1/4 Section:	D	Location Accuracy:	Unverified

File Type:	Late Registration		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	East Salt River Valley - Phoenix AMA
Well Type:	Exempt Well (Old) (pump capacity < 35 gpm or irrigates < 2 acres)		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Domestic	Well Use:	Water Production
Drill Permit Issued:	Jul 16, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	Yes
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	CHAVEZ, ANTONIO J		
In Care of:	Not Reported		
	21006 S COOPER RD		
	CHANDLER,AZ 85249		
Well Depth (Ft):	475	Casing Diameter (In):	6
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Caseing
Pump Capacity (GPM):	10	Water Level (Ft):	305
Well Completed:	Jul 10, 1971	Acres Irrigated:	0.00
Pump Capacity Test:	10 (GMP)	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	SW SE NE 14 020 S 050 E	Point of Use 2:	SW SW NE 14 020 S 050 E

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

20
West
1/2 - 1 Mile
Higher

AZ WELLS 610221

Registration Num:	610221	Map ID:	20
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	15
1/4 Section:	B	1/4,1/4 Section:	D
1/4,1/4,1/4 Section:	Not Reported	Location Accuracy:	Unverified

File Type:	Registered Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	Not In AMA or INA Sub-Basin
Well Type:	Exempt Well (Old) (pump capacity < 35 gpm or irrigates < 2 acres)		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Domestic	Well Use:	Water Production
Drill Permit Issued:	Jun 14, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	DORY, G W		
In Care of:	Not Reported		
	11428 E APPLEBY RD CHANDLER,AZ 85224		
Well Depth (Ft):	0	Casing Diameter (In):	0
Casing Depth (Ft):	Not Reported	Casing Finish:	Not Reported
Pump Capacity (GPM):	0	Water Level (Ft):	0
Well Completed:	Not Reported	Acres Irrigated:	0.00
Pump Capacity Test:	0 (GMP)	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	0
Pump Power Type:	Not Reported		
Point of Use 1:	SE NW 15 020 S 050 E	Point of Use 2:	Not Reported

F21
NNW
1/2 - 1 Mile
Higher

FED USGS 331611111493301

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1940	County:	Maricopa
Altitude:	Not Reported	State:	Arizona
Well Depth:	317.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	92.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	02011950	Prim. Use of Water:	Irrigation

G22
South
1/2 - 1 Mile
Higher

AZ WELLS 610664

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Registration Num:	610664	Map ID:	G22
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	23
1/4 Section:	B	1/4,1/4 Section:	B
1/4,1/4,1/4 Section:	B	Location Accuracy:	Unverified
File Type:	Registered Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	East Salt River Valley - Phoenix AMA
Well Type:	Non Exempt Well (Old) (pump capacity > 35 gpm or irrigates > 2 acres)		
	If no pump equipment is noted as installed on 'Intent to Drill' form, it is entered as a Non - Exempt well		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Domestic	Well Use:	Water Production
Drill Permit Issued:	Jun 04, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	MARTHALINDA DAIRY		
In Care of:	Not Reported		
	12239 E OCOTILLO RD		
	CHANDLER,AZ 85224		
Well Depth (Ft):	850	Casing Diameter (In):	12
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Caseing
Pump Capacity (GPM):	100	Water Level (Ft):	290
Well Completed:	1970	Acres Irrigated:	0.00
Pump Capacity Test:	100 (GMP)	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

23
ENE
1/2 - 1 Mile
Higher

AZ WELLS 553477

Registration Num:	553477	Map ID:	23
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	11
1/4 Section:	D	1/4,1/4 Section:	D
1/4,1/4,1/4 Section:	D	Location Accuracy:	Unverified
File Type:	New Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	East Salt River Valley - Phoenix AMA
Well Type:	Exploration		
	Exploration wells can have more than one well		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Municipal	Owner:	Not Reported
Water Use:	None	Well Use:	Geotechnical

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drill Permit Issued:	Dec 18, 1995	Registration Num:	473
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Incomplete (when Intent to Drill form is first entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	2 HOLES
Owner:	CHANDLER, CITY OF		
In Care of:	Not Reported		
	200 E COMMONWEALTH		
	CHANDLER, AZ 85225		
Well Depth (Ft):	Not Reported	Casing Diameter (In):	Not Reported
Casing Depth (Ft):	Not Reported	Casing Finish:	Not Reported
Pump Capacity (GPM):	Not Reported	Water Level (Ft):	Not Reported
Well Completed:	Not Reported	Acres Irrigated:	0.00
Pump Capacity Test:	Not Reported	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

H24
WSW
1/2 - 1 Mile
Higher

AZ WELLS 636176

Registration Num:	636176	Map ID:	H24
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	15
1/4 Section:	C	1/4, 1/4 Section:	A
1/4, 1/4, 1/4 Section:	Not Reported	Location Accuracy:	Unverified
File Type:	Registered Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	Not In AMA or INA Sub-Basin
Well Type:	Exempt Well (Old) (pump capacity < 35 gpm or irrigates < 2 acres)		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Domestic	Well Use:	Water Production
Drill Permit Issued:	Jun 08, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	WILLS, N		
In Care of:	Not Reported		
	11541 E APPLEBY RD		
	CHANDLER, AZ 85224		
Well Depth (Ft):	500	Casing Diameter (In):	8
Casing Depth (Ft):	Not Reported	Casing Finish:	Other
Pump Capacity (GPM):	Not Reported	Water Level (Ft):	300
Well Completed:	Jan, 1972	Acres Irrigated:	0.00
Pump Capacity Test:	Not Reported	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

H25
WSW AZ WELLS 634734
1/2 - 1 Mile
Higher

Registration Num:	634734	Map ID:	H25
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	15
1/4 Section:	C	1/4,1/4 Section:	A
1/4,1/4,1/4 Section:	Not Reported	Location Accuracy:	Unverified

File Type:	Registered Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	Not In AMA or INA Sub-Basin
Well Type:	Exempt Well (Old) (pump capacity < 35 gpm or irrigates < 2 acres)		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Domestic	Well Use:	Water Production
Drill Permit Issued:	Jun 03, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	STONE, J E		
In Care of:	Not Reported		
	PO BOX 399		
	CHANDLER,AZ 85224		

Well Depth (Ft):	600	Casing Diameter (In):	6
Casing Depth (Ft):	Not Reported	Casing Finish:	Plastic or PVC
Pump Capacity (GPM):	25	Water Level (Ft):	150
Well Completed:	Jan , 1975	Acres Irrigated:	1.0000
Pump Capacity Test:	25 (GMP)	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

G26
South
1/2 - 1 Mile
Higher

AZ WELLS 610665

Registration Num:	610665	Map ID:	G26
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	23
1/4 Section:	B	1/4,1/4 Section:	B
1/4,1/4,1/4 Section:	Not Reported	Location Accuracy:	Unverified

File Type:	Registered Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	Not In AMA or INA Sub-Basin
Well Type:	Exempt Well (Old) (pump capacity < 35 gpm or irrigates < 2 acres)		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Stock	Well Use:	Water Production

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drill Permit Issued:	Jun 04, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	MARTHALINDA DAIRY		
In Care of:	Not Reported		
	12239 E OCOTILLO RD		
	CHANDLER,AZ 85224		
Well Depth (Ft):	255	Casing Diameter (In):	7
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Casing
Pump Capacity (GPM):	25	Water Level (Ft):	128
Well Completed:	1970	Acres Irrigated:	0.00
Pump Capacity Test:	25 (GMP)	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	0
Pump Power Type:	Not Reported		
Point of Use 1:	NW NW 23 020 S 050 E	Point of Use 2:	Not Reported

27
ESE
1/2 - 1 Mile
Higher

AZ WELLS 542014

Registration Num:	542014	Map ID:	27
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	14
1/4 Section:	D	1/4, 1/4 Section:	A
1/4, 1/4, 1/4 Section:	D	Location Accuracy:	Unverified
File Type:	New Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	East Salt River Valley - Phoenix AMA
Well Type:	Monitor / Piezometer (Exploration)		
	Monitor wells can have only one well		
River Watershed:	Salt River	County:	Maricopa
Owner Type:	Municipal	Owner:	Not Reported
Water Use:	Monitoring	Well Use:	Monitor
Drill Permit Issued:	Jan 07, 1994	Registration Num:	473
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Completed (when Well Drillers Completion Report is entered)		
Completion Report Stat:	Completed (when Well Drillers Completion Report is entered)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	CHANDLER, CITY OF		
In Care of:	Not Reported		
	249 E CHICAGO ST		
	CHANDLER,AZ 85225		
Well Depth (Ft):	99	Casing Diameter (In):	6
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Casing
Pump Capacity (GPM):	9	Water Level (Ft):	64
Well Completed:	Feb 24, 1994	Acres Irrigated:	0.00
Pump Capacity Test:	Not Reported	Yield Method:	Not Reported
Pump Type:	Submersible	Drawdown (Ft):	Not Reported
Pump Power Type:	Electric Motor 1 -> 5 HP		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

F28
NNW
1/2 - 1 Mile
Higher
AZ WELLS 555249

Registration Num:	555249	Map ID:	F28
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	10
1/4 Section:	A	1/4,1/4 Section:	D
1/4,1/4,1/4 Section:	C	Location Accuracy:	Unverified

File Type:	New Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	East Salt River Valley - Phoenix AMA
Well Type:	Monitor / Piezometer (Exploration) Monitor wells can have only one well		

River Watershed:	La Paz	County:	Maricopa
Owner Type:	Municipal	Owner:	Not Reported
Water Use	Monitoring	Well Use	Water Production
Drill Permit Issued:	Feb 27, 1996	Registration Num:	083
Intended Pump Cap.:	Not Reported	Change in Owner:	No
Drillers Log Status:	Completed (when Well Drillers Completion Report is entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	CHANDLER, CITY OF		
In Care of:	Not Reported		

	200 E COMMONWEALTH		
	CHANDLER,AZ 85224		
Well Depth (Ft):	200	Casing Diameter (In):	5
Casing Depth (Ft):	Not Reported	Casing Finish:	Plastic or PVC
Pump Capacity (GPM):	Not Reported	Water Level (Ft):	98
Well Completed:	Mar 16, 1996	Acres Irrigated:	0.00
Pump Capacity Test:	Not Reported	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	Not Reported	Point of Use 2:	Not Reported

F29
NNW
1/2 - 1 Mile
Higher
AZ WELLS 625619

Registration Num:	625619	Map ID:	F29
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	10
1/4 Section:	A	1/4,1/4 Section:	D
1/4,1/4,1/4 Section:	C	Location Accuracy:	Unverified

File Type:	Registered Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	Not In AMA or INA Sub-Basin
Well Type:	Non Exempt Well (Old) (pump capacity > 35 gpm or irrigates > 2 acres) If no pump equipment is noted as installed on 'Intent to Drill' form, it is entered as a Non - Exempt well		

River Watershed:	La Paz	County:	Maricopa
Owner Type:	Corporation	Owner:	Not Reported
Water Use	Irrigation	Well Use	Water Production

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drill Permit Issued:	Jun 11, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	Yes
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	SCHRADER FARMS INC		
In Care of:	Not Reported		
	5611 CALLE CAMELIA		
	PHOENIX, AZ 85018		
Well Depth (Ft):	370	Casing Diameter (In):	20
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Casing
Pump Capacity (GPM):	3000	Water Level (Ft):	145
Well Completed:	1940	Acres Irrigated:	280.0000
Pump Capacity Test:	3000 (GMP)	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	Not Reported
Pump Power Type:	Not Reported		
Point of Use 1:	NW 10 020 S 050 E	Point of Use 2:	NX SE SE 03 020 S 050 E

30	Site ID:	0-004351	
NNE	Groundwater Flow:	E	AQUIFLOW 49074
1/2 - 1 Mile Higher	Shallowest Water Table Depth:	Not Reported	
	Deepest Water Table Depth:	Not Reported	
	Average Water Table Depth:	Not Reported	
	Date:	09/16/1991	

31			
NW			AZ WELLS 603619
1/2 - 1 Mile Higher			

Registration Num:	603619	Map ID:	31
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	10
1/4 Section:	D	1/4, 1/4 Section:	B
1/4, 1/4, 1/4 Section:	B	Location Accuracy:	Unverified

File Type:	Registered Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	East Salt River Valley - Phoenix AMA
Well Type:	Exempt Well (Old) (pump capacity < 35 gpm or irrigates < 2 acres)		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Domestic	Well Use:	Water Production

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drill Permit Issued:	Feb 10, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	Yes
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	SCHRADER, WILLIAM JR		
In Care of:	Not Reported		
	855 W TYSON		
	CHANDLER,AZ 85224		
Well Depth (Ft):	650	Casing Diameter (In):	8
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Caseing
Pump Capacity (GPM):	0	Water Level (Ft):	203
Well Completed:	May 03, 1979	Acres Irrigated:	0.00
Pump Capacity Test:	0 (GMP)	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	0
Pump Power Type:	Not Reported		
Point of Use 1:	NW NW SE 10 020 S 050 E	Point of Use 2:	Not Reported

32
SE
1/2 - 1 Mile
Higher

AZ WELLS 620738

Registration Num:	620738	Map ID:	32
CADASTRAL LOCATION OF WELL:			
State Quadrant:	D	Township:	02
1/2 Township:	-	Range:	05
1/2 Range:	Not Reported	Section:	14
1/4 Section:	D	1/4,1/4 Section:	D
1/4,1/4,1/4 Section:	Not Reported	Location Accuracy:	Unverified
File Type:	Registered Wells		
AMA or INA Basin:	Phoenix AMA	AMA/INA Sub-Basin:	East Salt River Valley - Phoenix AMA
Well Type:	Non Exempt Well (Old) (pump capacity > 35 gpm or irrigates > 2 acres) If no pump equipment is noted as installed on 'Intent to Drill' form, it is entered as a Non - Exempt well		
River Watershed:	La Paz	County:	Maricopa
Owner Type:	Private	Owner:	Not Reported
Water Use:	Irrigation	Well Use:	Water Production
Drill Permit Issued:	Jun 14, 1982	Registration Num:	Not Reported
Intended Pump Cap.:	Not Reported	Change in Owner:	Yes
Drillers Log Status:	Registration of Existing Wells or Late Registration forms entered)		
Completion Report Stat:	No Completion Report is needed (Example: abandoned exploitation wells)		
Poor Quality Prmt Num:	Not Reported	Poor Qual Prmt Status:	Not Reported
Owner:	CRS OCOTTILO GRP LLC		
In Care of:	SUITE 60 2425 E CAMELBACK RD PHOENIX,AZ 85016		
Well Depth (Ft):	410	Casing Diameter (In):	18
Casing Depth (Ft):	Not Reported	Casing Finish:	Steel - Perforated Slotted Caseing
Pump Capacity (GPM):	1800	Water Level (Ft):	295
Well Completed:	Not Reported	Acres Irrigated:	530.0000
Pump Capacity Test:	1800 (GMP)	Yield Method:	Not Reported
Pump Type:	Not Reported	Drawdown (Ft):	0
Pump Power Type:	Not Reported		
Point of Use 1:	SX 14 020 S 050 E	Point of Use 2:	NX 23 020 S 050 E

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

33
SSW
1/2 - 1 Mile
Higher

FED USGS 331444111493201

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1970	County:	Maricopa
Altitude:	1225.00 ft.	State:	Arizona
Well Depth:	600.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	165.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	Not Reported	Prim. Use of Water:	Domestic

34
SW
1/2 - 1 Mile
Higher

FED USGS 331448111494901

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1955	County:	Maricopa
Altitude:	1223.00 ft.	State:	Arizona
Well Depth:	802.00 ft.	Topographic Setting:	Valley flat
Depth to Water Table:	Not Reported	Prim. Use of Site:	Withdrawal of water
Date Measured:	Not Reported	Prim. Use of Water:	Irrigation

35
NE
1 - 2 Miles
Higher

Site ID:	009036
Groundwater Flow:	Not Reported
Shallowest Water Table Depth:	250 ft
Deepest Water Table Depth:	350 ft
Average Water Table Depth:	Not Reported
Date:	05/29/1998

AQUIFLOW 49378

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 \geq 2 pCi/L and \leq 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

MARICOPA COUNTY, AZ

Number of sites tested: 695

<u>Area</u>	<u>Average Activity</u>	<u>% <4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% >20 pCi/L</u>
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

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

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: 202-260-2805

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: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. 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 more than 900,000 wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Arizona Well Registration Database

Source: Department of Water Resources

Telephone: 602-542-1586

Contains information provided to ADWR's Operations Division by well drillers and/or owners.

RADON

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

OTHER

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration



"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: Marianne Burrus

URS Corporation

7500 N. Dreamy Draw Drive

Phoenix, AZ 85020

Order Date: 3/21/2002

Completion Date: 03/22/2002

Inquiry #: 748533.3S

P.O. #: e!-15448010.58

Site Name: FCDMC - Detention Basin

Address: Queen Creek/McQueen Road

City/State: Chandler, AZ 85249

1791179ACP

602-371-1100

Cross Streets:

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client-supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

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