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PHASE I ENVIRONMENTAL
SITE ASSESSMENT

WEST VALLEY DETENTION BASINS
I-10 AND LITCHFIELD ROAD
GOODYEAR, ARIZONA

JOB NO. 2181JK041



**Western
Technologies
Inc.**

The Quality People
Since 1955

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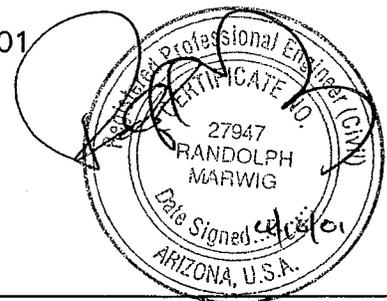
The Quality People
Since 1955

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Prepared For:

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MARICOPA COUNTY
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PHOENIX, ARIZONA

April 10, 2001



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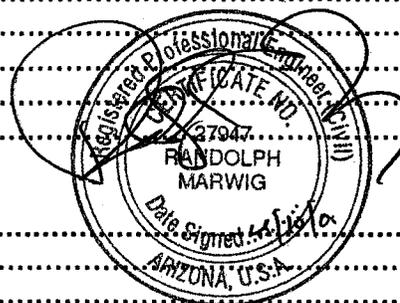


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EXECUTIVE SUMMARY

Western Technologies Inc. conducted a Phase I Environmental Site Assessment (ESA) of the West Valley Detention Basins located along I-10 and Litchfield Road in Goodyear, Arizona (the Property). The scope of work implemented for this assessment meets the guidelines established by the American Society for Testing and Materials (ASTM) in ASTM Standard Practice E-1527.

Based on WT's evaluation of the collected data, WT concludes that this assessment has revealed no evidence of recognized environmental conditions in connection with the Property and WT makes no recommendations for further assessment.



PHASE I ENVIRONMENTAL SITE ASSESSMENT

WEST VALLEY DETENTION BASINS I-10 AND LITCHFIELD ROAD GOODYEAR, ARIZONA

JOB NO. 2181JK041

1.0 INTRODUCTION

1.1 Project Authorization

This report presents the results of a Phase I Environmental Site Assessment (ESA) of the West Valley Detention Basins located along I-10 and Litchfield Road in Goodyear, Arizona (the Property). Western Technologies Inc. (WT) was retained and authorized by Theresa Hoff-Pinto of the Flood Control District of Maricopa County (FCDMC) to perform this ESA in accordance with WT Agreement No. 2181PK127, dated February 16, 2001. This report has been prepared for the FCDMC and may not be utilized or relied upon by any other person or entity without the written permission of Western Technologies Inc.

1.2 Purpose

The purpose of this ESA was to evaluate for recognized environmental conditions on the Property.

1.3 Scope of Services

The scope of work for this assessment was specified in WT Agreement No. 2181PK127 and substantially meets the requirements set forth in American Society for Testing and Materials, ASTM Standard E1527.

The following tasks were implemented:

- regulatory agency records review
- physical setting research
- historical Property use
- property reconnaissance
- biosludge testing
- interviews
- reporting

1.4 Limiting Conditions

WT initiated this assessment through a systematic review and observation of current conditions at the Property. WT reviewed the adjoining areas that were visible from the Property or from public thoroughfares. WT encountered limited access to the Property as



a limiting condition during the site visit. Basins three and four were viewed through limited accessible pathways and adjoining sites.

1.5 Credentials

This ESA was performed by Nikki Cherry and was reviewed by Randolph Marwig P.E. These individuals possess sufficient education, training, and experience to qualify as environmental professionals under ASTM E1527, and have the ability to develop conclusions regarding recognized environmental conditions, if any, concerning the Property. Resumes for these individuals are available from this office upon request.

2.0 PROPERTY AND AREA INFORMATION

This section describes the general setting of the Property and adjoining properties. The Property was inspected from limited access ways along the perimeter and inside detention basin three.

2.1 Location

The Property is a 145-acre irregular-shaped parcel divided by Litchfield Road. The Property is located approximately 1/16 mile west of Dysart Road, approximately 1/4 mile east of Bullard Avenue, and directly north of I-10. The Property is located within the south 1/2 of the north 1/2 of Sections 3 and 4, Township 1 North, Range 1 West, of the Gila and Salt River Baseline and Meridian, Maricopa County, Arizona. The general location of the Property is shown on the Vicinity Map in Appendix A.

2.2 Current Property Use and Description

The Property is undeveloped and is used as a drainage detention area for water runoff from I-10, Litchfield Road, and the surrounding commercial and residential sites (Appendix B, Pictures 1-8). The detention areas are divided into four basins. Six piles of sludge have been placed in basin three (Appendix B, Pictures 9-11).

No buildings were located on the Property at the time of the site visit. Mr. Thor Anderson, with the Arizona Department of Transportation (ADOT), stated that to his knowledge the Property has never been developed.

No main access ways were located on the Property. The Property must be accessed through commercial development parking lots or a dirt pathway that runs along the west side of detention basins three and four.

Ms. Theresa Hoff-Pinto was contacted on February 23, 2001, by phone about information pertaining to previous environmental inspections on the Property. Mr. Thor Anderson,



from ADOT, was interviewed on February 23, 2001, by phone about the Property's past and present conditions. March 2, 2001, WT reviewed files, located at ADOT, pertaining to the Property. This file review lead to findings that included previous metal testing of drainage, believed to be illegal by ADOT, from a SunCor development golf course and a previous Phase 1 Master Drainage Report, October 1998, conducted for SunCor. During the review Ms. Goldina, from ADOT, informed WT that the Property is currently in litigation with SunCor, possibly over the golf course drainage issue.

2.3 Current Adjoining Property Use and Description

The area surrounding the Property consisted of commercial development, retail, farmland, and vacant land. WT did not see evidence of past use for the surrounding study area during the site visit. Farmland is generally seen along the main thoroughfares of Dysart Road and Bullard Avenue. Commercial and retail development is generally seen off the main thoroughfares within the study area.

The sites adjoining the Property consist of the following:

North of the Property is Holiday Inn, Palm Valley Cinema, Palm Valley Medical Center, commercial and retail development followed by McDowell Road.

East of the Property is vacant land and farmland followed by Dysart Road.

South of the Property is I-10 followed by farmland, vacant land, and commercial development.

West of the Property is farmland followed by Bullard Avenue.

2.4 General Topography

The U.S. Geological Survey (USGS) Tolleson 1957, revised 1982, Quadrangle 7.5-Minute Series topographic map shows that the Property has an approximate elevation of 990 feet above Mean Sea Level (MSL) and the terrain slopes to the southeast. Regionally, the Property is within the metropolitan area of Goodyear. Specific topographic features include I-10 directly south of the Property and Agua Fria River approximately 1/2 mile to the east.

2.5 Regional Geology

The Property is located within the Basin and Range Physiographic Province that is bounded to the east by the Mazatzal, Utery, Goldfield, and Superstition Mountains; to the south by the Sacaton, Sierra Estrella, and South Mountains and the Buckeye Hills; to the west by the White Tank Mountains; and to the north by the Hieroglyphic, Wickenburg, and New



River Mountains and the New River Mesa. The bordering mountains are composed chiefly of igneous and metamorphic rock.

The Phoenix Active Management Area is divided into several sub-basins consisting of broad alluvial basins filled with over a thousand feet of sedimentary deposits consisting primarily of silt, sand, clay, gravel, and cobbles. The East and West Salt River Valley Sub-basins (the two main sub-basins in the Phoenix AMA) are separated by the Phoenix Mountains, Papago Buttes, and Union Hills. The Property is located in the West Salt River Valley Sub-basin.

2.6 Regional Hydrogeology

Three main water-bearing units comprise the basin-fill deposits. The units, in ascending order, are the Tertiary Lower Conglomerate Unit (LCU), the Quaternary and Tertiary Middle Fine-grained Unit (MFU), and the Quaternary Upper Alluvial Unit (UAU), (U.S. Bureau of Reclamation, 1976). The upper alluvial unit is the primary source of groundwater in the West Salt River Valley Sub-basin. Groundwater is usually unconfined, but semi-confined conditions exist in areas where there is an increase of fine-grained materials.

According to the latest ADWR publication, Report No. 27 dated 1995, the depth to groundwater in the area of the Property is approximately 100 feet below ground surface. The regional groundwater flow, based on a 50-foot contour interval, is northwesterly.

3.0 PROPERTY RECONNAISSANCE

3.1 Utilities

The utilities servicing the Property are:

- Electric: None observed
- Gas: None observed
- Water: None observed
- Sanitary Sewer: None observed
- Solid Waste Disposal: None observed

3.2 Potential PCB Sources

Electrical equipment including transformers, capacitors, and generators, and hydraulic equipment including elevators, are potential sources of PCBs.

None of these potential sources were noted during the visit.



3.3 Above Ground Storage Tanks (ASTs)

No ASTs or surface indications of former ASTs were noted during the site visit. According to Mr. Anderson, ASTs are currently not installed on the Property, and he has no actual knowledge of past ASTs on the Property.

3.4 Underground Storage Tanks (USTs)

Surface evidence of existing or former USTs includes pump islands, cut-off pipes, fill ports, vent pipes, asphalt patches, vapor extraction wells, groundwater monitoring wells, and remedial systems.

No surface evidence of existing or former USTs was noted during the site visit. According to Mr. Anderson, USTs are currently not installed on the Property, and he has no actual knowledge of past USTs on the Property.

3.5 Hazardous Substances, Petroleum Products, and Unidentified Substance Containers

At the time of the site reconnaissance, WT did not observe the usage, treatment, storage, disposal or generation of hazardous substances or petroleum products in connection with current Property uses. WT did not observe the presence of containers, including drums, pails, bags, bins, silos, or pressurized cylinders, holding hazardous or unknown substances or petroleum products.

According to Mr. Anderson, hazardous substances and petroleum products are not used on the Property, and he has no actual knowledge of prior usage of these materials. Mr. Anderson indicated that he has not been informed of the prior existence of hazardous substances or petroleum products on the Property.

3.6 Liquid Waste Indicators

Liquid waste indicators include: stressed vegetation; odors; pools of liquid; stains or corrosion on soil, pavement or other surfaces; water discoloration; sheens; or free floating product.

Pooling of water on the Property was noted by WT during the site visit. The collection of water on the northeastern side of the Property, located north of the sludge pile, appeared murky (Appendix B, Pictures 12 and 13). Water was also noted collecting in a concrete drainage feature on the Property (Appendix B, Pictures 14 and 15).



3.7 Solid Waste Indicators

Indications of solid waste disposal include: solid waste collection containers; the presence of debris on the surface; mounding, depressions, or grading caused by non-natural sources; or fill or suspected fill from an unknown source.

Litter thrown from passing cars was noted on the Property. WT did not observe staining, leakage or chemical odors at these containers, which would suggest the disposal of hazardous substances or petroleum products.

Non-natural mounding was noted on the northeastern section of the Property. These mounds consisted of biosludge from the wastewater treatment facility. The proposed usage of this sludge is to become fertilizer for landscaping purposes.

According to Mr. Anderson, solid waste has not been discarded on or buried beneath the Property. He has no actual knowledge, nor has he been informed that the Property has been used as a landfill, transfer station, recycling facility, or other waste handling activity.

3.8 Wastewater and Other Liquid Discharges

Wastewater and other liquid discharges include: existing or former surface impoundments; oil/water separators; sumps; catch basins; injection wells; groundwater or wastewater treatment systems; septic systems including tanks, leach fields, and seepage pits; floor drains; compressor blowdown; exterior pipe discharges; pits; ponds; and lagoons.

No evidence of the listed wastewater or other liquid discharges was noted on the Property during the site visit.

3.9 Storm Water and Drainage Control Features

Numerous cement drainage channels were observed deriving from I-10 and adjoining sites (Appendix B, Picture 16). One drainage pipe was seen in basin 3 (Appendix B, Picture 17). Natural drainage channels were also noted on the Property. All drainage from surrounding areas was directed into the Property, the detention basins. The basins flowed through drainage tunnel systems. WT did not see evidence of stains within these drainage basins, which would suggest a non-storm water discharge.

3.10 Air Emissions

Air emissions from a given facility may be indicated by noticeable odors or dust, laboratory hoods, exterior vents, incinerators, bag houses, and cyclones.



No air emissions were noted emanating from the Property during the site visit. According to Mr. Anderson, there are no regulated air emissions emanating from the Property and no current air permit requirements.

3.11 Existing or Former Wells

Wells can be identified through the presence of: well casings extending above the ground surface; turbines or pumps installed above the well; the presence of a water storage tank, pressure tank, or water distribution piping. Water produced from wells can be utilized for irrigation; public distribution; personal consumption; or environmental or hydrological monitoring.

WT did not observe evidence of wells on the Property.

Mr. Anderson stated he recalled a possibility of monitoring wells existing on the Property in the past, however he could not give a definitive answer.

3.12 Sludge Testing

FCDMC indicated six piles of sludge had been placed on the Property approximately five years ago. A discrepancy exists between FCDMC and ADOT about the responsible party that placed the sludge on the Property. Mr. Anderson stated that the piles had been placed on the Property illegally by an unknown party, however Ms. Hoff-Pinto indicated she had been informed that the sludge was placed on the Property for use as fertilizer in a landscaping project by ADOT.

WT collected three samples from the six different sludge piles, totaling 18 samples. The samples were taken on February 21, 2001, 6 to 15 feet apart on each pile at an approximate 12-inch depth. The samples were collected with pre-cleaned soil scoops and placed in a glass four-ounce jar sealed with a Teflon-lined lid. The samples were then taken to Del Mar Analytical of Tempe, Arizona. The three samples collected from each of the piles were combined to make a composite sample. A total of six composite samples were tested for Arsenic (As), Cadmium (Cd), Copper (Cu), Lead (Pb), Mercury (Hg), Molybdenum (Mo), Nickel (Ni), Selenium (Se), and Zinc (Zn). The results are reported in milligrams of metal per kilogram of sample, mg/kg (nd) stands for not detected at or above the reporting limit). The results are as follows:



<i>Metal:</i>	<i>Ceiling Concentrations for Use or Disposal of Sewage Sludge mg/kg</i>	<i>Soil Remediation Levels Residential mg/kg</i>	<i>Soil Remediation Levels Non-Residential Mg/kg</i>
<i>Arsenic</i>	75	~10	~10
<i>Cadmium</i>	85	38	850
<i>Copper</i>	4,300	2,800	63,000
<i>Lead</i>	840	400	2,000
<i>Mercury</i>	57	6.7	180
<i>Molybdenum</i>	75	380	8,500
<i>Nickel</i>	420	1,500	34,000
<i>Selenium</i>	100	380	8,500
<i>Zinc</i>	7,500	23,000	510,000

<i>Metal:</i>	<i>Property Sample Results (Samples 1-3) mg/kg</i>	<i>Property Sample Results (Samples 4-6) mg/kg</i>	<i>Property Sample Results (Samples 7-9) mg/kg</i>	<i>Property Sample Results (Samples 10-12) mg/kg</i>	<i>Property Sample Results (Samples 13-15) mg/kg</i>	<i>Property Sample Results (Samples 16-18) mg/kg</i>
<i>Arsenic</i>	19	18	17	20	17	20
<i>Cadmium</i>	24	23	23	24	19	26
<i>Copper</i>	1,400	1,400	1,400	1,500	1,100	1,500
<i>Lead</i>	240	220	230	240	170	250
<i>Mercury</i>	6.4	6.7	6.7	7.7	5.2	5.9
<i>Molybdenum</i>	5.9	6.0	5.5	7.4	5.1	7.5
<i>Nickel</i>	420	380	390	440	350	460
<i>Selenium</i>	nd	nd	nd	Nd	nd	nd
<i>Zinc</i>	1,000	970	990	1,000	750	1,100

When compared to the metal ceiling concentration levels the Property samples meet the standards except in two composite samples, 10-12 and 16-18, the nickel levels exceeded the ceiling standards for sewage sludge by 20 and 40 mg/kg. One composite sample, 10-12, exceeded the 6.7 mg/kg mercury level for residential use, the reported sample level was 7.7 mg/kg.

Since the nickel levels exceeded the ceiling concentration level in two samples and mercury levels exceeded the residential soil remediation level in one sample, WT statistically evaluated the two individual sets.



Using a T-distribution a value was calculated for the upper confidence interval, as referenced in the EPA Test Methods for Evaluating Solid Waste. The confidence interval for nickel and mercury was found using the following equation:

$$CI = \bar{x} \pm t * .20 * s_{\bar{x}}$$

The confidence interval calculation gives a range of values that are likely to be representative of a set. Using this value the upper limit was compared to the applicable regulatory criteria. WT used the ceiling concentration level for use and disposal of sewage sludge for nickel and the residential soil remediation level for mercury. The upper limit for nickel was calculated as 411.59, which was below the regulation value of 420 mg/kg. The upper limit for mercury was calculated as 6.54, which was below the compared regulated value of 6.7 mg/kg. The calculations, for both nickel and mercury when compared to the respective regulated values, show that the overall concentration of the piles is below the applicable regulated standard.

The Arizona Department of Environmental Quality (ADEQ) retained Earth Technology Corporation (Earth Tech) to develop a database on background metals concentrations in Arizona. Earth Tech assembled and evaluated two sets of data, one from the United States Conservation Service (USCS) and the other from ADEQ. The USCS data included 47 sample locations at approximate 50-mile intervals along routes of travel between field offices. Samples were collected over a 14-year period between 1961 and 1975. The ADEQ data included 62 sample locations in the Phoenix and Tucson metropolitan areas that were reported as background samples in site investigation reports.

The reported statewide range of arsenic concentrations for the USCS data was from 1.4 mg/kg to 97 mg/kg. The average concentration was reported at 9.8 mg/kg with a standard deviation of 17.2 mg/kg. The USCS data was further broken down by physiographic province, indicating that the samples from the Colorado Plateau exhibited an average arsenic value of 4.4 mg/kg, and that the samples from the Transition Zone and Basin and Range exhibited an average arsenic value of 12.7 mg/kg.

The reported range of concentrations for the ADEQ data was from 3.1 mg/kg to 24 mg/kg. The average concentration was reported at 9.4 mg/kg with a standard deviation of 3.8 mg/kg. All of the reported ADEQ samples were obtained from the Phoenix and Tucson metropolitan areas that fall within the Transition Zone and Basin and Range physiographic province.

Based on these reported values, the arsenic levels measured in the soil at the Site are within typically expected background levels.

Arsenic exceeded the non-residential and residential Standard Remediation Level (r-SRL) in all of the Property samples, but WT believes that remedial action is not warranted for the following reasons. First, the arsenic levels measured on the Site are statistically consistent with levels reported as representative of background. Second, the Arizona soil remediation



rules allow for clean-up of naturally occurring constituents to background levels in situations where background levels exceed an SRL (see A.A.C. R18-7-204).

4.0 HISTORIC SITE INFORMATION

Historic conditions of the Property were identified through interviews and a review of various standard historical information sources including city directories, topographic maps and atlases, and aerial photographs.

4.1 Interviews

Per WT's conversation with Mr. Thor Anderson, the Property has never been developed, is currently owned by ADOT and has been owned by ADOT for 10 years, possibly longer.

Mr. Anderson indicated the following potential environmental issues were associated with past historical use of the subject Property: golf course runoff, a TCLP test was conducted and passed but one RCRA regulated metal was found according to Mr. Anderson.

According to Mr. Anderson, there are known previous environmental inspections, environmental investigations, environmental site assessments, environmental violations, pending law suits or administrative actions, or environmental liens relating to the Property, or to current or past owners, occupants, or facilities which were on the Property.

Mrs. Theresa Hoff-Pinto stated that a previous Phase I ESA was conducted on the Property for SunCor possibly by Dames & Moore. She concluded by indicating the ESA could not be located at this time, but she would make further attempts to acquire the report.

4.2 Aerial Photography

Aerial photographs from the Rupp Aerial Photography, Inc. of Arizona were reviewed to evaluate past uses and relevant characteristics of the subject Property and adjoining properties. The earliest available photograph was dated 1940.

- September 13, 1940, COU-3-1, 1" = 1509
The Property is depicted as farmland. The surrounding sites are also depicted as farmland.
- February 20, 1949, DHP-11F-56, 1" = 1676"
This photograph shows no significant changes to the Property when compared to the 1940 photograph. The site to the north contains a dairy farm, the remaining surrounding sites are farmland.



- January 3, 1958, DHP-4V-208, 1" = 1760"
The Property is depicted as farmland and feed/alfalfa storage land for the dairy farm to the north. The barrels of alfalfa can be distinguished in this photograph. The surrounding sites show no significant changes when compared to the 1949 photograph.
- January 21, 1964, DHP-4EE-209, 1" = 1576"
This photograph shows no significant changes to the Property or adjoining sites when compared to the 1958 photograph.
- January 29, 1970, DHP-6LL-136, 1" = 1703"
The Property for the most part continues to be farmland, natural drainage channeling, from farmland to the north, can be seen on the western portion of the Property. This photograph shows no significant changes to the adjoining sites when compared to the 1958 photograph.
- December 15, 1977, L-10, 1" = 2640"
The Property has been cleared and the soil has been removed creating basin features, driven pathways from soil removal machinery are apparent on the Property. The surrounding sites continue to be farmland with a small parcel of vacant land to the east.
- December 15, 1980, L-10, 1" = 2640"
Concrete lined drainage channels are seen on the north side of the Property. The surrounding area continues to be primarily farmland. One small house and one small commercial building are also depicted in the surrounding area.
- December 30, 1984, L-10, 1" = 2640"
This photograph shows no significant changes to the Property when compared to the 1980 photograph. McLane Distribution center has built two main buildings, north of the Property, the remaining surrounding sites show no significant changes since 1980.
- November 18, 1987, L-10, 1" = 2640 "
The Property contains two square sections that appear to have been built up and cleared on a part of the eastern section of the land. McLane Distribution Center has grown in size, while the remaining surrounding sites show no significant changes when compared to the 1984 photograph.
- September 26, 1995, I-9, 1" = 2100"
The Property is depicted as containing four detention basins with native vegetation and drainage flow directed onto the Property. The adjoining sites to the north consist of Wigwam Outlet stores, McLane Distribution Center, farmland and vacant land. The south adjoining sites consist of vacant and farmland, and commercial buildings sparsely located. The east and west sites remain farmland.



- April 26, 1999, I-9, 1" = 2100"

This photograph shows no significant changes to the Property of the south east and west adjoining sites when compared to the 1995 photograph. To the north of the Property more facilities have been built, Palm Valley Medical Center, Suncor Development, and more Wigwam Outlet development. The north sites also contain vacant and farmland.

- January 14, 2001, I-9, 1" = 968"

This photograph shows no significant changes to the Property or adjoining sites when compared to the 1999 photograph.

4.3 Topographic Maps

The Tolleson quadrangle topographic map from the United States Geological Survey (USGS) dated 1957, revised 1982 (Scale: 1" = 2000') indicates old railroad grade on the Property. The surrounding areas are depicted as containing sparsely located dwellings and buildings.

The 1967 Maricopa County Atlas shows a section of the South Pacific Company Railroad on the Property. Both the Property and surrounding areas are depicted as rural farmland.

The 1987, revised 1990 Maricopa County Atlas shows the railroad on the Property and depicts the Property and surrounding areas as being incorporated.

4.4 City Directory Information

City Directories may be useful in determining the type of facility or business that previous occupants operated at a particular address. All addresses which receive telephone services are listed in the City Directories.

The Property, at this time, is not assigned a designated street address. A review of City Directories, for selected years, was conducted for a range of addresses in which the Property would exist. A theoretical address of the Property is 1050 and 1051 Litchfield Road. A review of addresses from 300 through 1600 North Litchfield Road revealed that residential development in the area existed since 1949, the first year Litchfield Road was listed in a directory. The city directories revealed that residential development was the dominant type of development until the 1990, when commercial development started to expand in the area. The most current directory review indicated the surrounding area as predominately commercially developed. Listings pertaining to the Property were not found, indicating that the Property has not been developed.

Listed below are the City Directory years reviewed and listed occupants on the Property.



DIRECTORY YEAR	LISTED OCCUPANTS
1940	No Listings
1945	No Listings
1949-1950	No Listings
1957	No Listings
1959	No Listings
1965	No Listings
1970	No Listings
1975	No Listings
1980	No Listings
1985	No Listings
1990	No Listings
1995	No Listings
1999	No Listings

5.0 ENVIRONMENTAL RECORDS REVIEW

Information in this section is based on an *Environmental FirstSearch™* Site Assessment Report obtained from TRACK Info Services, LLC (TRACK). TRACK's database includes information obtained from the Environmental Protection Agency (EPA) and the Arizona Department of Environmental Quality (ADEQ). A copy of the TRACK report, which contains descriptions of the databases searched and their release dates, is included in Appendix D.

5.1 National Priorities List (NPL)

The NPL is a list of the United States Environmental Protection Agency's (EPA) highest priority sites for remedial action. The release date for this information is August 24, 2000. The minimum search distance is one mile.

- *The Property was found in this database (Search ID: 3, Appendix D).*
- *The Phoenix-Goodyear Airport North (PGA) site was found within one mile of the Property. The PGA North site is located approximately 17 miles west of downtown Phoenix. The groundwater contamination plume from the PGA North site is generally bounded by Thomas Road to the north, Litchfield Road to the East, the Unidynamic's property on Litchfield Road to the south and Bullard Avenue to the west. The groundwater plume is further depicted in Appendix D. The PGA North site was added to the NPL list in 1983 following a discovery of groundwater contaminated with solvents and chromium near the Unidynamics' research development and manufacturing plant. Contaminants within the PGA North site consist mainly of*



trichloroethylene (TCE) and perchlorates. The groundwater contamination is located approximately 70-130 feet below ground surface (bgs). Soil contamination is restricted to the Unidynamics property. Remediation of the affected groundwater and soils has been implemented using soil vapor extraction (SVE) and air stripping systems. This plume of contamination does extend beneath the Property.

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

The CERCLIS list is a compilation by the EPA of sites that have been or are currently under investigation for releases of hazardous substances for possible inclusion on the NPL. The release date for this information is December 28, 2000. The minimum search distance is one-half mile.

- *The Property was not found in this database.*
- *CERCLIS sites were not found within the one-half mile search distance.*

5.3 Emergency Response Notification System (ERNS) Database

The Emergency Response Notification System (ERNS) is operated by EPA and collects and documents information from spills reported by federal, state, and local emergency response organizations. The release date for this information is January 6, 2000. The search is limited to the Property.

- *The Property was not found in this database, however on I-10 at mile marker 127.9 a Sherwin Williams Company truck caught on fire and caused a spill which had the potential of effecting the Property due to highway drainage into the Property's detention basins. On June 3, 1995 the Sherwin Williams truck caught fire the Goodyear Fire Department responded. During the extinguishing of the fire, four 55 gallon drums of latex paint spilled onto the highway. Environmental Response Corporation handled the spill. They collected the remaining material with absorbent. The incident report did state that ADOT reported shoulder damage and a small amount of drainage from the incident.*

<i>MATERIAL</i>	<i>AMOUNT</i>	<i>INCIDENT</i>	<i>DATE</i>
<i>Latex Paint</i>	<i>(4) 55 gallon drums</i>	<i>Release</i>	<i>6-3-95</i>

5.4 Resource Conservation Recovery Act (RCRA) Generators Database

The RCRA generators database lists facilities that have notified the EPA that they generate hazardous waste. The release date for this information is June 22, 2000. The minimum search distance is one-eighth mile.



- *The Property was not found in this database.*
- *RCRA generators were not found within the one-eighth mile search distance.*

5.5 RCRA Treatment, Storage, and Disposal Facilities (TSDF) Database

The EPA maintains the RCRA TSDF database which identifies facilities that have obtained either a final or an interim status permit for the treatment, storage or disposal of hazardous wastes, and known facilities operating without a permit. The release date for this information is June 22, 2000. The minimum search distance is one mile.

- *The Property was not found in this database.*
- *RCRA TSDFs were not found within the one mile search distance.*

5.6 RCRA Corrective Action Database (CORRACTs)

The US Environmental Protection Agency lists corrective actions at hazardous waste TSDF sites. The release date for this information is June 22, 2000. The minimum search distance is one mile.

- *The Property was not found in the CORRACTs database.*
- *The following CORRACTs sites were found in this database:*

<i>REF. NO.</i>	<i>FACILITY</i>	<i>LOCATION</i>	<i>CURRENT STATUS</i>	<i>DATE OF STATUS</i>
<i>1</i>	<i>Unidynamics/ Phoenix Inc.</i>	<i>102 South Litchfield Road</i>	<i>Referred to as a Non-RCRA Authority</i>	<i>11-18-97</i>

5.7 Water Quality Assurance Revolving Fund (WQARF)

WQARF is the Arizona state equivalent Superfund program. The program includes: WQARF priority list sites; Non-NPL Department of Defense sites; other WQARF sites; and voluntary clean-up sites. The release date for this information is August 25, 2000. The minimum search distance is one mile.

- *The Property was not found in this database.*
- *WQARF sites were not found within the one mile search distance.*



5.8 The Arizona CERCLA Information and Data Systems (ACIDS)

ACIDS is the Arizona state equivalent CERCLIS program. The ADEQ lists sites subject to environmental contamination investigation and whose activities may have the potential for environmental contamination. The release date for this information is August 25, 2000. The minimum search distance is one-half mile.

- *The Property was not found in this database.*
- *ACIDs sites were not found within the one-half mile search distance.*

5.9 Underground Storage Tanks (USTs) List

The ADEQ maintains a database of registered USTs in the State of Arizona. The release date for this information is January 14, 2000. The minimum search distance is one-eighth mile.

- *The Property was not found in this database.*
- *The following sites within one-eighth mile were found in this database:*

REF. NO.	FACILITY	LOCATION	NO. OF USTs	VOLUME	MATERIAL	STATUS
4	Mobil Oil Corporation	1264 North Litchfield Road	1	12,000	Diesel	Active
			3	20,000	Gasoline	Active

5.10 Leaking UST (LUST) List

The ADEQ maintains a database of USTs that have been reported as leaking. The release date for this information is January 3, 2000. The minimum search distance is one-half mile.

- *The Property was not found in this database.*
- *The following sites within one-half mile were found in this database:*

REF. NO.	FACILITY	LOCATION	NOTIFICATION DATE	STATUS
5	Westside Mini Storage	2515 North Dysart Road	3-25-92	Closed 10-5-94, Soil levels meet RBCA Tier 1
6	Savco #10	1680 North Dysart Road	11-20-92	Closed 1-3-94, Soil levels meet RBCA Tier 1



5.11 Active and Inactive Solid Waste Facilities

The ADEQ maintains a list of active, inactive, and closed municipal solid waste landfills, rubbish landfills, and solid waste dumps. The release date for this information is October 1, 1999. The minimum search distance is one-half mile.

- *The Property was not found in this database.*
- *Solid waste sites were not found within the one-half mile search distance.*

5.12 Hazardous Materials Incident Logbook

The Hazardous Materials Incident Logbook (HAZMAT Log) documents chemical spills and incidents referred to the ADEQ. The release date for this information is May 19, 1999. The search is limited to the Property.

- *The Property was not found in this database, however two incidents took place on I-10 south of the Property in which drainage for the incidents could effect the Property. A Sherwin Williams Company truck spilled four 55 gallon drums of latex paint on I-10, reference section 5.3 for more information on this incident. Another incident occurred on July 25, 1997. Approximately 20 gallons of X-ray film developer leaked onto I-10. An absorbent was used to collect the material and then sodium bicarbonate was placed over the spill to neutralize any remaining residue. The area was then washed with water, which could have drained into the detention basins on the Property.*
- *The following HAZMAT incidents occurred on I-10.*

MATERIAL	SOURCE	INCIDENT	RESPONSE DATE	REFERRAL DATE
2	<i>Sherwin Williams Truck fire</i>	<i>Release</i>	<i>6-3-95</i>	<i>ADOT 6-3-95</i>
7	<i>Truck carrying X-ray developer in poly drum</i>	<i>Release</i>	<i>7-25-97</i>	<i>Not Available</i>

5.13 Dry Well Registration

The ADEQ Dry Well Registration list was reviewed to identify any dry wells registered to the Property. The release date for this information is October 1, 2000.

- *WT found no dry wells registered to the Property.*



5.14 Septic Systems

The Environmental Services Department of Maricopa County was contacted regarding septic systems for the Property. This written request was made on February 22, 2001.

- *At the time of this report, WT has not received information regarding septic systems on the property. If WT receives this information, an addendum to this report will be issued.*

6.0 FINDINGS AND CONCLUSIONS

6.1 Assessment Findings

Based on the data collected, WT makes the following findings:

Current Site Conditions

- The Property is currently undeveloped and is used as drainage basins.
- Six mounds of sludge were located in Basin Area 3.
- One sample indicated an elevated mercury level when compared to the residential soil remediation level.
- Two samples indicated elevated levels of nickel when compared to the ceiling concentration level for usage or disposal of sewage sludge.
- Drainage from surrounding areas was directed onto the Property and flowed easterly. No staining, odor, or stressed vegetation were noted around the drainage features.

Adjacent Land Use

- The adjoining sites to the north were Holiday Inn, Palm Valley Cinema, Palm Valley Medical Center, and commercial and retail development followed by McDowell Road.
- The adjoining sites to the south were I-10 followed by farmland, vacant land, and commercial development.
- The adjoining site to the east was vacant land and farmland followed by Dysart Road.
- The adjoining site to the west was farmland followed by Bullard Avenue.



Historic Site Conditions

- Historical aerial photographs indicate that the Property was used as farmland and a for a short period of time from the late 1950's to early 1970's as an alfalfa storage area for a dairy farm, up until the mid 1970's in which it became a drainage basin. During the 1990's an unknown source placed biosludge from a wastewater treatment facility on the land in the third basin.

Regulatory Database Research

- WT found the Property listed in the NPL database. This listing was attributable to the Goodyear Airport North NPL site. Remediation for this site is currently ongoing. WT found no other database entries pertaining to the Property.
- WQARF sites were not found within the one mile minimum search distance.
- CERCLIS, TSDFs, ACIDS, Leaking USTs and Open/Closed Landfills were not found within the one-half mile minimum search distance.
- RCRA Notifiers were not found within the one-eighth mile minimum search distance.
- The Phoenix-Goodyear Airport North NPL site was found within one mile of the Property. The groundwater plume associated with this NPL site was depicted existing within the Property boundaries. Remediation of the affected groundwater has been implemented and is currently ongoing.
- WT found one ERNS and two HAZMAT sites on I-10 directly south of the Property. the ERNS site was also listed as a HAZMAT site.
- WT found one RCRA corrective action notifier within the one-mile minimum search distance.
- WT found one site with a total of four registered USTs within the one-eighth mile study area. Of the four registered USTs, all were reported as current.
- WT found two leaking USTs within the one-half mile minimum search distance. Both of these sites have been categorized as "closed" by ADEQ, meaning they have been remediated to ADEQ's satisfaction.

6.2 Conclusions

WT has performed a Phase I Environmental Site Assessment, in conformance with the scope and limitations of ASTM Practice E1527, of the Property known as the West Valley Detention Basins, located along I-10 and Litchfield Road, Goodyear, Arizona. Any



exceptions to or deletions from ASTM Practice E1527 are described in Section 8.0 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the Property and WT makes no recommendations for further assessment.

7.0 RECOMMENDATIONS

WT reserves the right to make modifications to any recommendations presented herein if subsequent information is developed by WT or others.

WT recommends that future usage or disposal of the sludge should occur in a manner that would limit the potential for run off from the sludge to impact surface water.

8.0 LIMITATIONS

The scope of this assessment was limited to those elements and tasks as described in the ASTM Standard Practice E1527. The conclusions presented are based upon observations by qualified personnel and their interpretation of information applied by others.

The purpose of this assessment was to assess the likelihood of recognized environmental conditions associated with the Property attributable to past and current uses of the Property and sites within the specified study area. Recognized environmental conditions are: the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances and petroleum products even under 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. As a result, this assessment does not highlight the presence of the following conditions unless they were the express concerns of contacted personnel, report and literature authors, or the work scope:

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



No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. The performance of an assessment according to ASTM Practice E1527 is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, recognizing reasonable limits of time and cost. Therefore, if none are identified as a result of this assessment, such a conclusion should not be construed as a guaranteed absence of recognized environmental conditions.

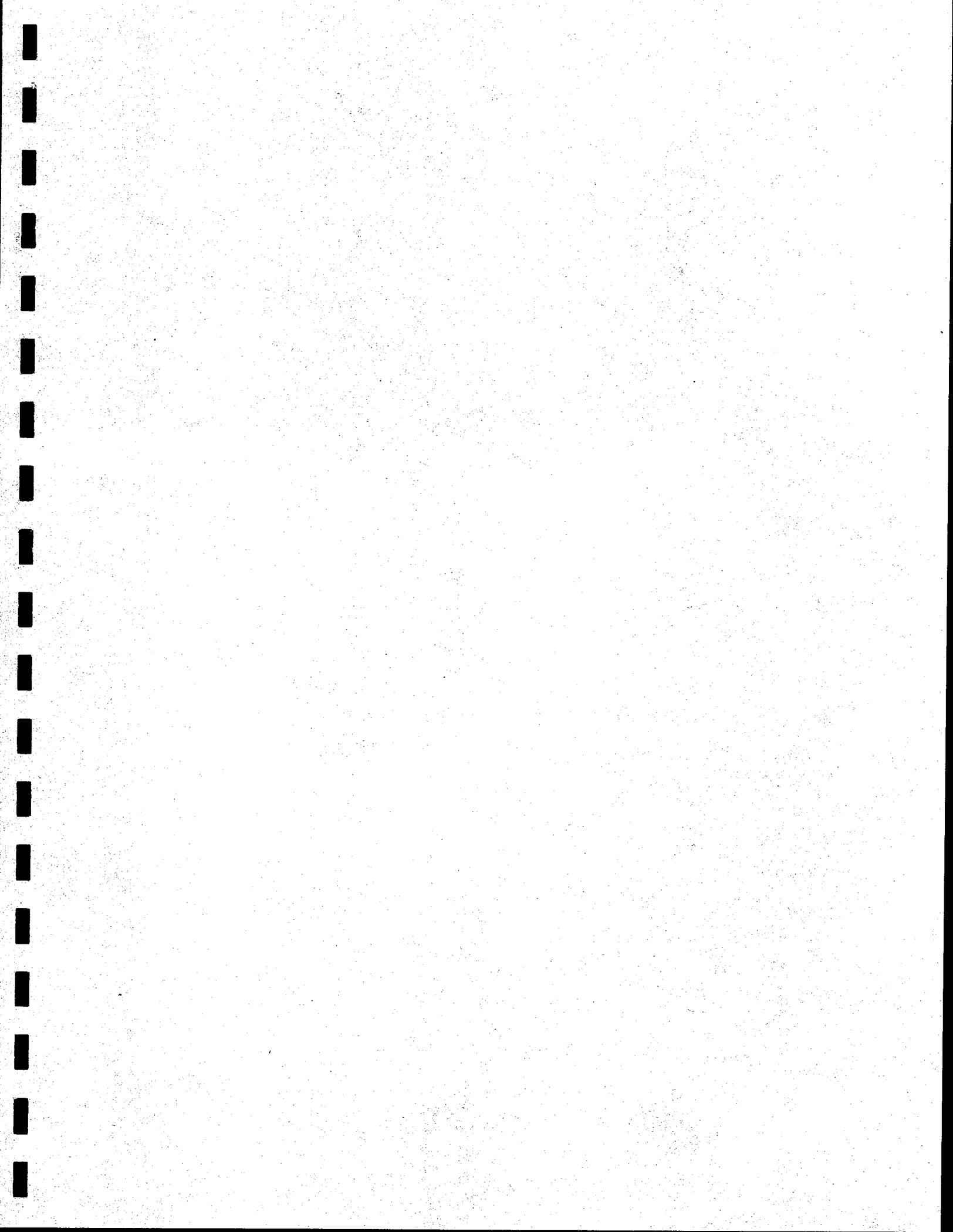
The following exceptions to the ASTM Practice E1527 are noted:

- The report format is different and has been adapted to local standards.

9.0 REFERENCES

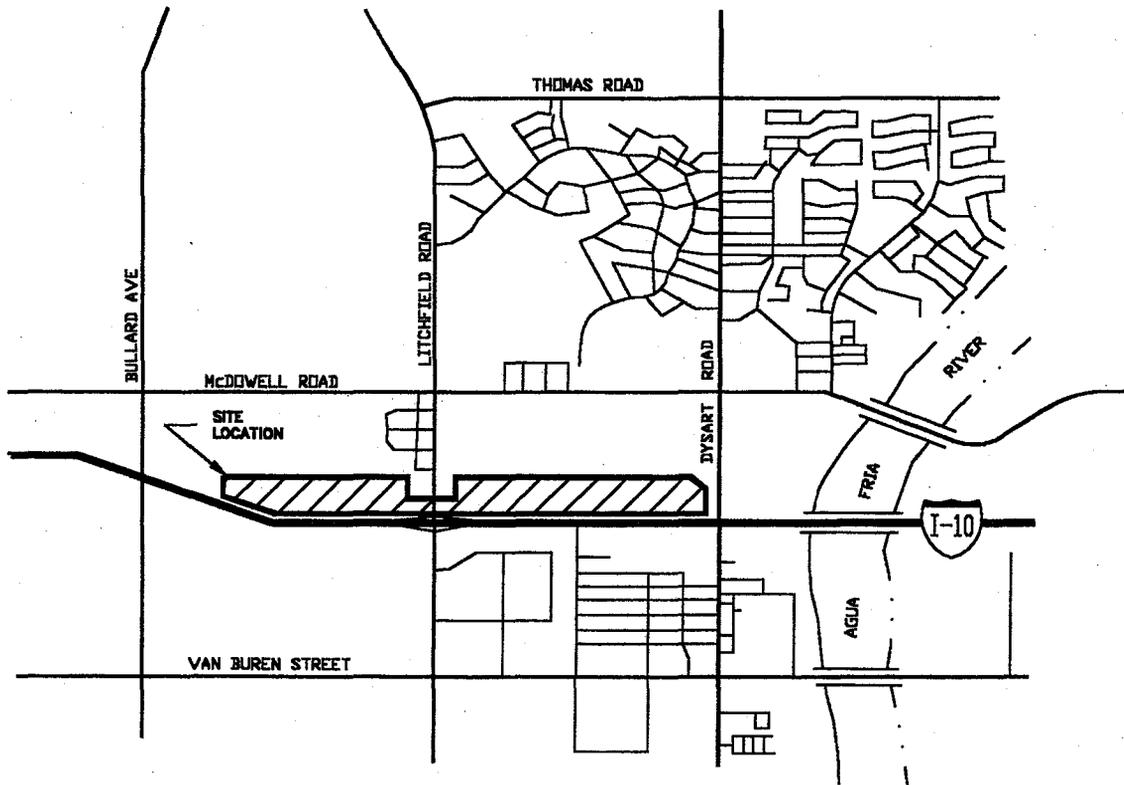
- The ASTM, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E-1527, dated 1997.
- Cole's City Directories dated: 1970, 1975, 1980, 1985, 1990, 1995, and 1999
- Con Survey City Directories dated: 1957 and 1959
- Phoenix City Directories dated: 1940 and 1945
- Polk City Directory dated: 1965
- Salisbury's City Directory dated: 1949-1950
- ADWR, Report No. 27, dated 1995.
- The Earth Technology Corporation, Evaluation of Background Metals Concentrations in Arizona Soils, June 1991.
- 40 Code of Federal Regulation Part 503 – Standards for the Use or Disposal of Sewage Sludge.
- Arizona Administrative Code, Department of Environmental Quality – Remedial Action. Title 18 – Environmental Quality. Chapter 7 – Department of Environmental Quality Remedial Action, December 31, 1997.





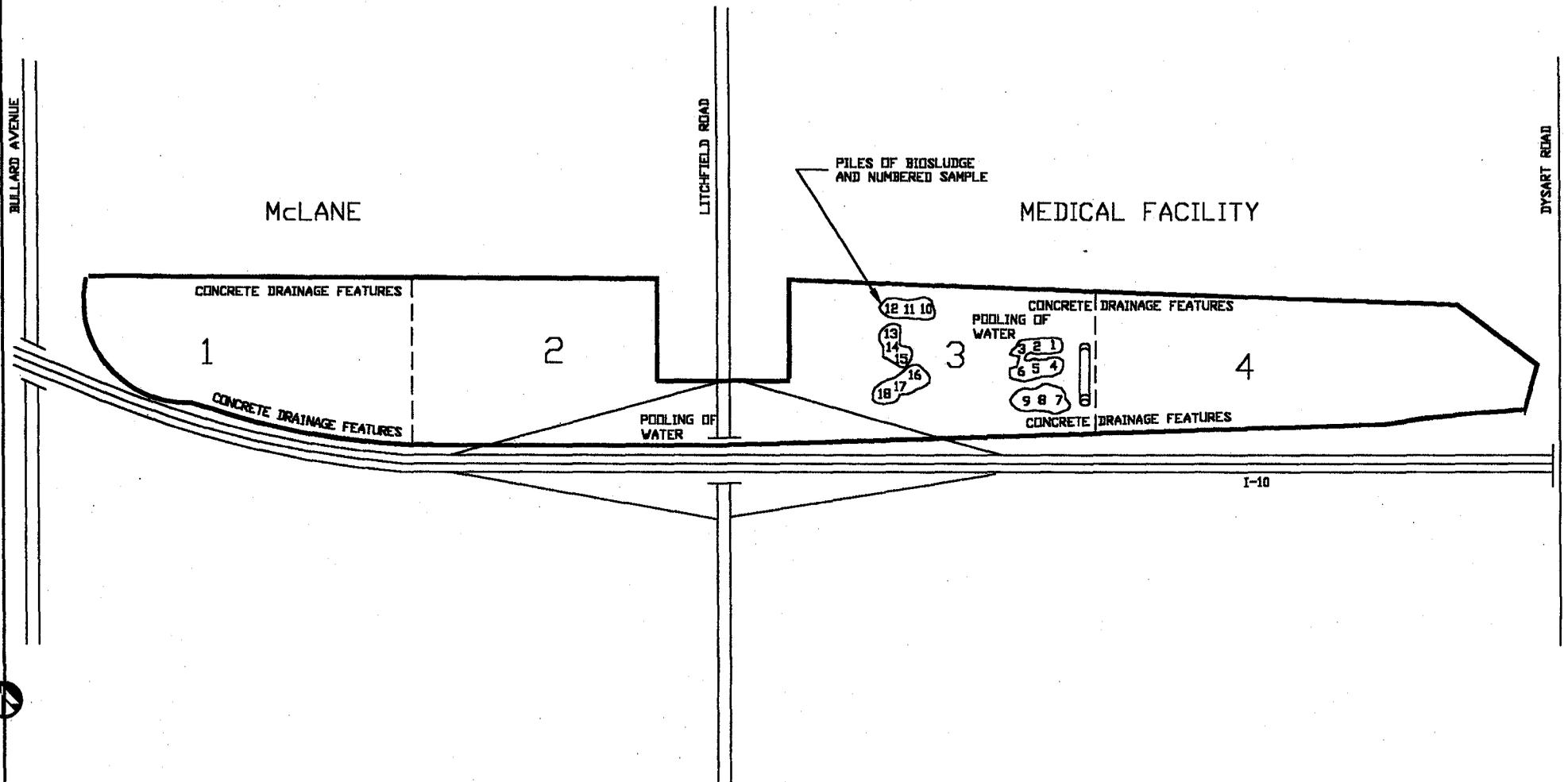
**APPENDIX A:
VICINITY MAP AND SITE PLAN**

**Figure 1 - Vicinity Map
West Valley Detention Basins
Phase I Environmental Assessment**

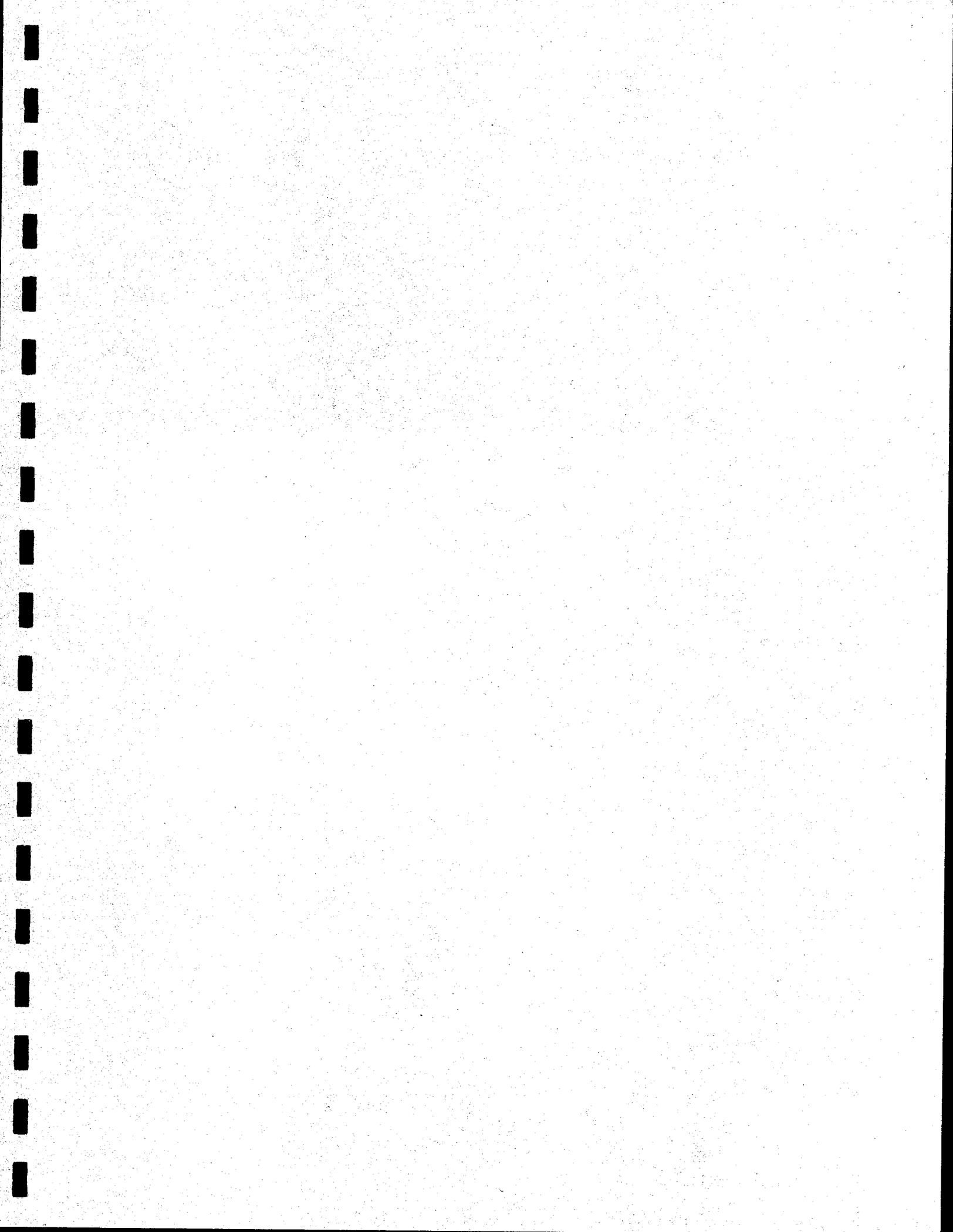


 NOT TO SCALE	Reviewed: Nikki Cherry	Review Date: 02/26/01
	Client: Flood Control District of Maricopa County	Prepared: M Dumser
	Western Technologies Inc.	
	Job No.: 2181JK041	Figure: 1

Figure 2 - Site Plan
 West Valley Detention Basins
 Phase I Environmental Assessment



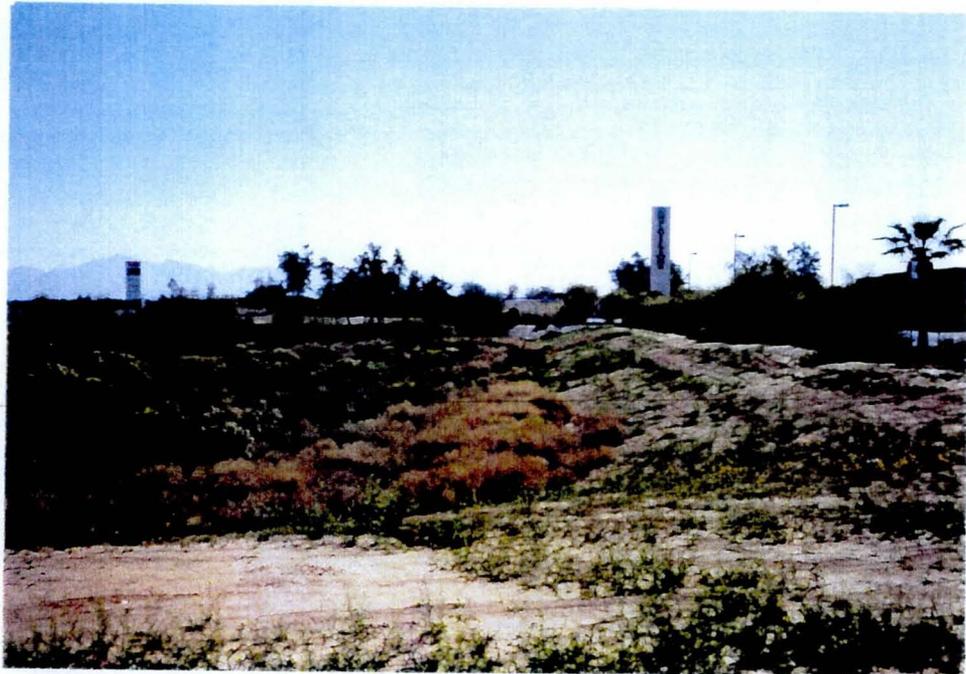
 NOT TO SCALE	Reviewed: Nikki Cherry	Review Date: 02/26/01
	Client: Flood Control District of Maricopa County	Prepared: M Dumser
	Western Technologies Inc.	
	Job No.: 2181JK041	Figure: 2



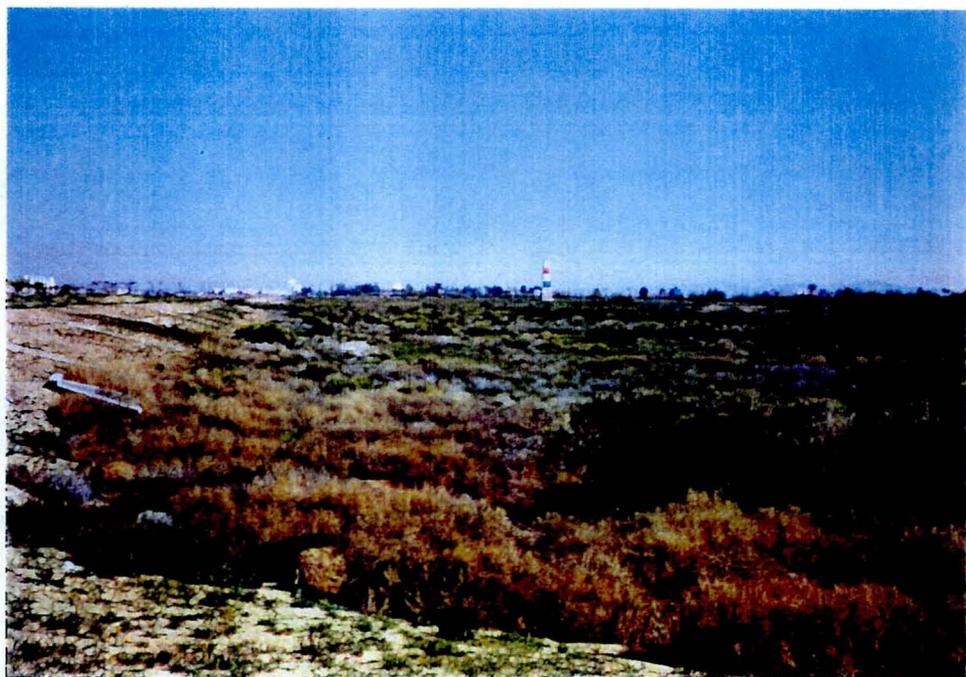
**APPENDIX B:
SITE PHOTOGRAPHIC LOG**



Flood Control District of Maricopa County
West Valley Detention Basins
Phase I Environmental Site Assessment
WT Job No. 2181JK041



Picture No. 1 - Looking south into detention basin.



Picture No. 2 - Looking east at drainage features in detention basin.

Flood Control District of Maricopa County
West Valley Detention Basins
Phase I Environmental Site Assessment
WT Job No. 2181JK041



Picture No. 3 - Looking north at detention basin.



Picture No. 4 - Looking south at detention basin and farmland dirt road.

Flood Control District of Maricopa County
West Valley Detention Basins
Phase I Environmental Site Assessment
WT Job No. 2181JK041



Picture No. 5 - Looking southwest at detention basin.



Picture No. 6 - Looking south at detention basin and I-10.

Flood Control District of Maricopa County
West Valley Detention Basins
Phase I Environmental Site Assessment
WT Job No. 2181JK041



Picture No. 7 - Looking west into detention basin with sparse debris.



Picture No. 8 - Looking southwest at sludge.

Flood Control District of Maricopa County
West Valley Detention Basins
Phase I Environmental Site Assessment
WT Job No. 2181JK041



Picture No. 9 - Looking west at sludge piles.



Picture No. 10 - Looking southeast at sludge piles.

Flood Control District of Maricopa County
West Valley Detention Basins
Phase I Environmental Site Assessment
WT Job No. 2181JK041



Picture No. 11 - Looking south at sludge and drainage feature.

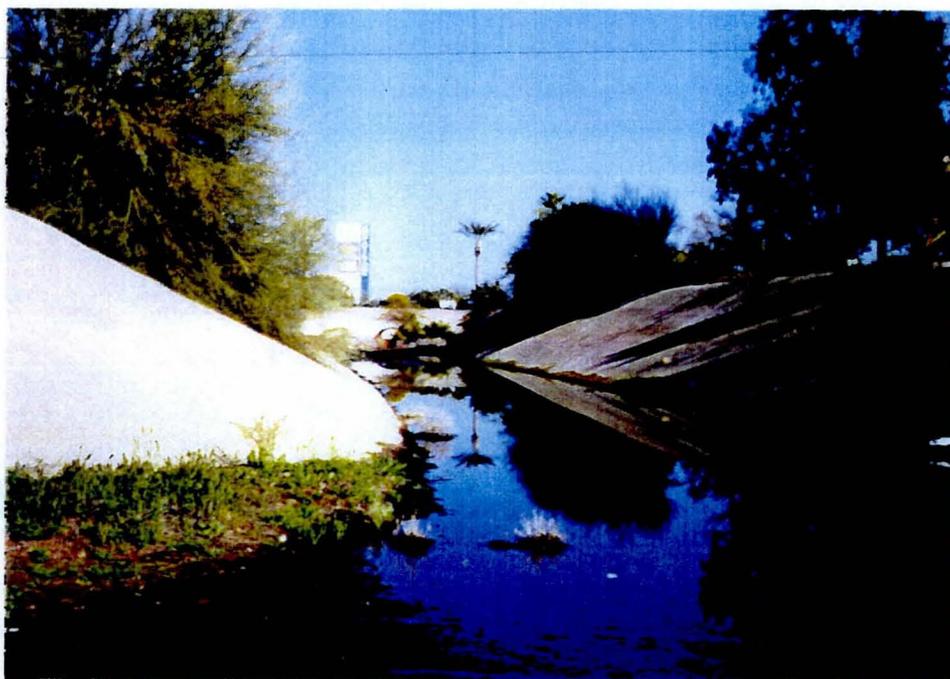


Picture No. 12 - Looking southeast at pooling of water in basin three and drainage features.

Flood Control District of Maricopa County
West Valley Detention Basins
Phase I Environmental Site Assessment
WT Job No. 2181JK041

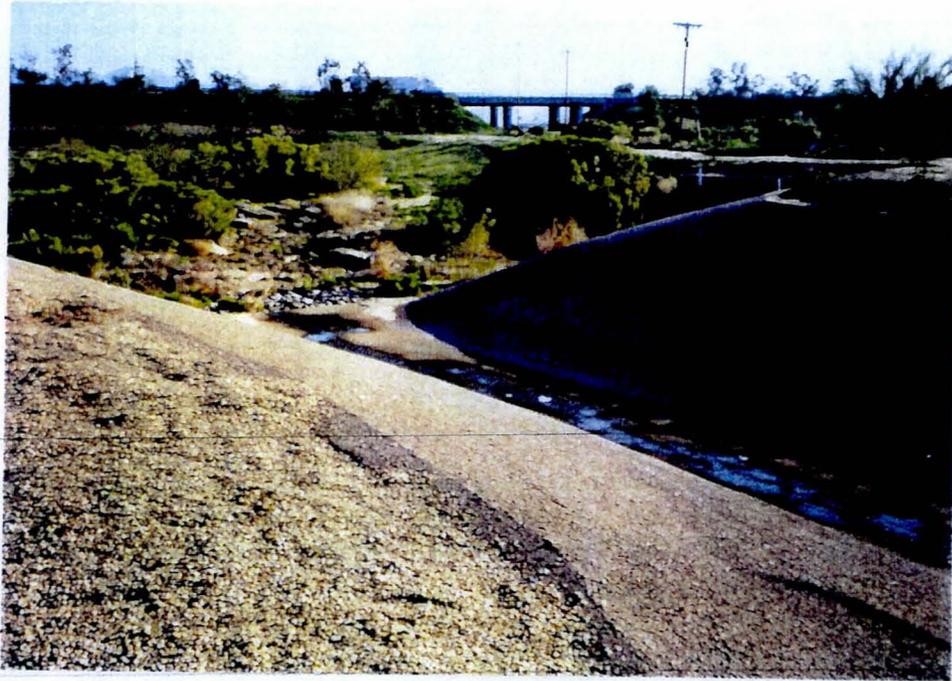


Picture No. 13 - Looking south at pooling of water and sludge.



Picture No. 14 - Pooling of water between basins one and two.

Flood Control District of Maricopa County
West Valley Detention Basins
Phase I Environmental Site Assessment
WT Job No. 2181JK041



Picture No. 15 - Drainage feature which allows water flow from other sites onto the Property.

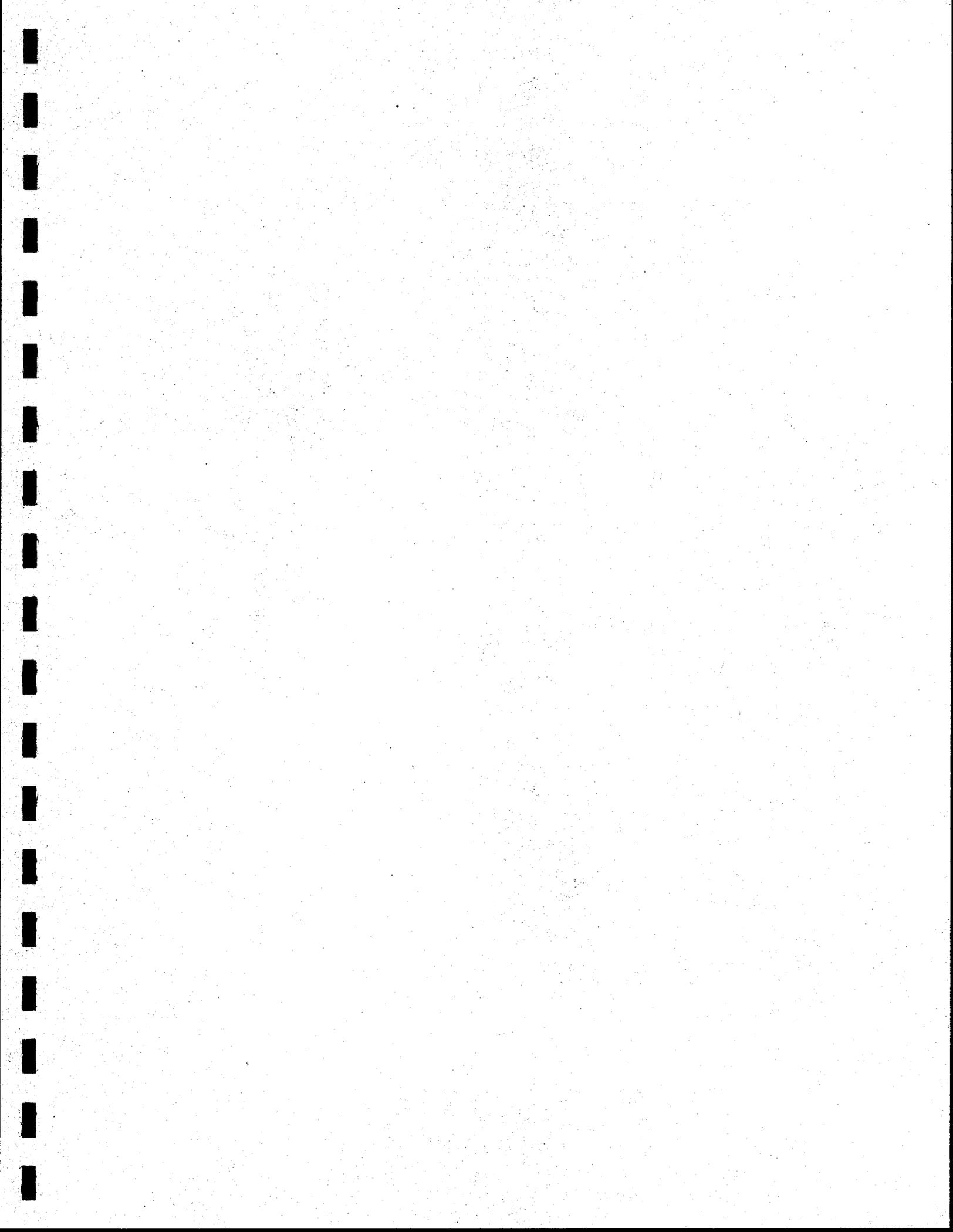


Picture No. 16 - Drainage feature which directs water onto the Property.

Flood Control District of Maricopa County
West Valley Detention Basins
Phase I Environmental Site Assessment
WT Job No. 2181JK041

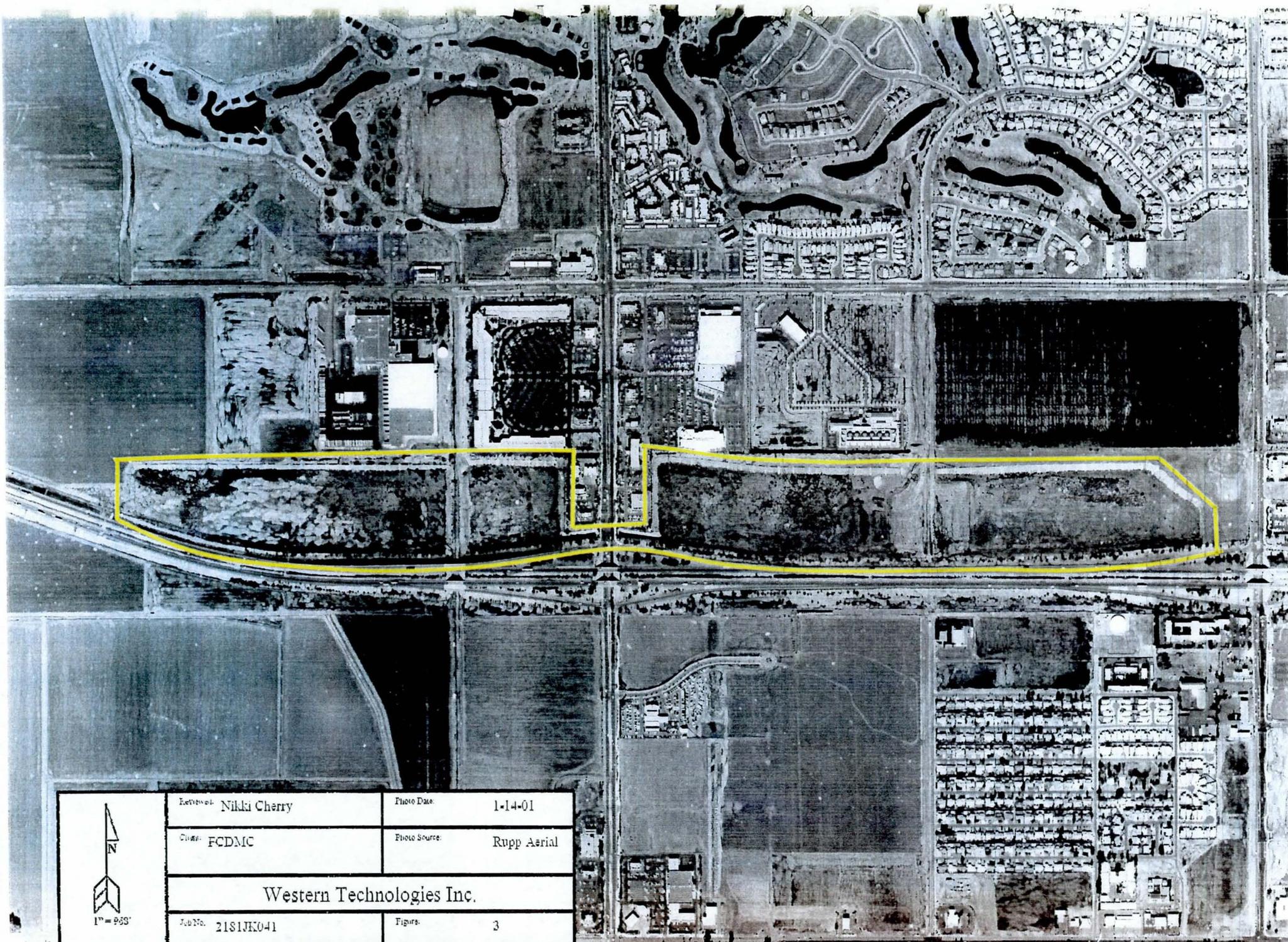


Picture No. 17 - Drainage pipe on the Property.



**APPENDIX C:
AERIAL PHOTOGRAPH**





 1" = 963'	Retrieved: Nikki Cherry	Photo Date: 1-14-01
	Client: FCDMC	Photo Source: Rupp Aerial
Western Technologies Inc.		
Job No. 2181JK041	Figures: 3	



**APPENDIX D:
DATABASE RESULTS**



TRACK > INFO SERVICES, LLC
Environmental FirstSearch™ Report

TARGET PROPERTY:

1050 LITCHFIELD ROAD

GOODYEAR AZ 85338

Job Number: 2181JK041

PREPARED FOR:

Western Technologies Inc.

3737 East Broadway Road

Phoenix, AZ 85040

02-20-01



Tel: (619) 562-4842

Fax: (619) 562-4844

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Environmental FirstSearch

Search Summary Report

Target Site: 1050 LITCHFIELD ROAD
GOODYEAR AZ 85338

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2 >	ZIP	TOTALS
NPL	Y	08-24-00	1.00	0	0	0	0	0	0	0
CERCLIS	Y	12-28-00	0.50	0	0	0	0	-	0	0
RCRA TSD	Y	06-22-00	0.50	0	0	0	0	-	0	0
RCRA COR	Y	06-22-00	1.00	0	0	0	0	1	0	1
RCRA GEN	Y	06-22-00	0.12	0	0	-	-	-	0	0
RCRA NLR	Y	06-22-00	0.50	0	0	0	0	-	0	0
ERNS	Y	01-06-00	0.05	0	1	-	-	-	0	1
NPDES	N	01-21-01	0.25	-	-	-	-	-	-	-
FINDS	N	12-28-00	0.25	-	-	-	-	-	-	-
TRIS	N	07-16-98	0.25	-	-	-	-	-	-	-
State Sites	Y	08-25-00	1.00	1	0	0	0	0	0	1
Spills-1990	Y	05-19-99	0.05	1	1	-	-	-	0	2
Spills-1980	N	NA	0.25	-	-	-	-	-	-	-
SWL	Y	10-01-99	0.50	0	0	0	0	-	0	0
Permits	Y	10-01-00	0.05	0	0	-	-	-	0	0
Other	Y	01-13-00	0.50	0	0	0	0	-	0	0
REG UST/AST	Y	01-14-00	0.12	0	1	-	-	-	0	1
Leaking UST	Y	01-03-01	0.50	0	0	1	1	-	0	2
State Wells	N	NA	0.50	-	-	-	-	-	-	-
Aquifers	N	NA	0.50	-	-	-	-	-	-	-
ACEC	N	NA	0.50	-	-	-	-	-	-	-
Wetlands	N	11-20-00	0.50	-	-	-	-	-	-	-
Floodplains	N	NA	0.50	-	-	-	-	-	-	-
Receptors	N	01-01-95	0.50	-	-	-	-	-	-	-
Nuclear Permits	N	04-30-99	0.50	-	-	-	-	-	-	-
Historic/Landmark	N	09-01-99	0.50	-	-	-	-	-	-	-
Federal Land Use	N	06-17-98	0.50	-	-	-	-	-	-	-
Federal Wells	N	NA	0.50	-	-	-	-	-	-	-
Releases(Air/Water)	N	01-06-00	0.05	-	-	-	-	-	-	-
- TOTALS -				2	3	1	1	1	0	8

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to TRACK Info Services, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in TRACK Info Services' databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although TRACK Info Services uses its best efforts to research the actual location of each site, TRACK Info Services does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of TRACK Info Services' services proceeding are signifying an understanding of TRACK Info Services' searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

**Environmental FirstSearch
Site Information Report**

Request Date: 02-20-01
Requestor Name: Nikki Cherry
Standard: ASTM

Search Type: AREA
Job Number: 2181JK041
FILTERED REPORT

Target Address: 1050 LITCHFIELD ROAD
 GOODYEAR AZ 85338

Demographics

Sites: 8	Non-Geocoded: 0	Population: NA
Radon: 0.8 PCI/L		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
Longitude:	-112.357736	-112:21:28	Easting: 373819.348
Latitude:	33.459038	33:27:33	Northing: 3702809.51
			Zone: 12

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 1.00 Mile(s)	Services:																																							
<table border="1"> <thead> <tr> <th colspan="5">ZIP</th> </tr> <tr> <th>Code</th> <th>City Name</th> <th>ST</th> <th>Dist/Dir</th> <th>Sel</th> </tr> </thead> <tbody> <tr> <td>85323</td> <td>AVONDALE</td> <td>AZ</td> <td>0.22 SE</td> <td>Y</td> </tr> </tbody> </table>	ZIP					Code	City Name	ST	Dist/Dir	Sel	85323	AVONDALE	AZ	0.22 SE	Y	<table border="1"> <thead> <tr> <th></th> <th><u>Requested?</u></th> <th><u>Date</u></th> </tr> </thead> <tbody> <tr> <td>Sanborns</td> <td>N</td> <td></td> </tr> <tr> <td>Aerial Photographs</td> <td>N</td> <td></td> </tr> <tr> <td>Topo Maps (hardcopy)</td> <td>N</td> <td></td> </tr> <tr> <td>City Directories</td> <td>N</td> <td></td> </tr> <tr> <td>Title Search</td> <td>N</td> <td></td> </tr> <tr> <td>Municipal Reports</td> <td>N</td> <td></td> </tr> <tr> <td>Online Topo Map</td> <td>N</td> <td></td> </tr> </tbody> </table>		<u>Requested?</u>	<u>Date</u>	Sanborns	N		Aerial Photographs	N		Topo Maps (hardcopy)	N		City Directories	N		Title Search	N		Municipal Reports	N		Online Topo Map	N	
ZIP																																								
Code	City Name	ST	Dist/Dir	Sel																																				
85323	AVONDALE	AZ	0.22 SE	Y																																				
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Title Search	N																																							
Municipal Reports	N																																							
Online Topo Map	N																																							

Environmental FirstSearch Sites Summary Report

TARGET SITE: 1050 LITCHFIELD ROAD
GOODYEAR AZ 85338

JOB: 2181JK041

TOTAL: 8 **GEOCODED:** 8 **NON GEOCODED:** 0 **SELECTED:** 0

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
2	ERNS	SHERWIN WILLIAMS COMPANY 475037/UNKNOWN	1-10 AT LITCHFIELD ROAD TURN OF GOODYEAR AZ 85338	0.05 SE	2
6	LUST	WESTSIDE MINI STORAGE 0-001711	2515 N DYSART RD AVONDALE AZ 85323	0.22 -E	5
5	LUST	SAVCO #10 0-004364	1680 N DYSART RD GOODYEAR AZ 85338	0.49 SE	6
1	RCRACOR	UNIDYNAMICS / PHOENIX INC AZD008398620/TSD	102 S LITCHFIELD RD GOODYEAR AZ 85338	0.86 SE	1
7	SPILLS	MOTOR CARGO 98-014-E	1-10 WB OFFRAMP AT LITCHFIELD PHOENIX AZ 85338	0.00 --	7
8	SPILLS	SHERWIN WILLIAMS CO. 95-004-E	1-10 AT LITCHFIELD RD. PHOENIX AZ 85338	0.05 SE	2
3	SP	PHOENIX/GOODYEAR AIRPORT-NORTH NPL_24/NPL	GOODYEAR AZ	0.00 --	3
4	UST	MOBIL SS # 18-B6H 0-008827	1264 N LITCHFIELD RD GOODYEAR AZ 85338	0.06 NE	4

*Environmental FirstSearch
Site Detail Report*

TARGET SITE: 1050 LITCHFIELD ROAD
GOODYEAR AZ 85338

JOB: 2181JK041

STATE SPILLS SITE

SEARCH ID: 7 **DIST/DIR:** 0.00 -- **MAP ID:** 7

NAME:	MOTOR CARGO	REV:	05/13/98
ADDRESS:	1-10 WB OFFRAMP AT LITCHFIELD PHOENIX AZ MARICOPA	ID1:	98-014-E
CONTACT:		ID2:	
		STATUS:	
		PHONE:	

SPILL INCIDENT DATE:	7/25/97
DATE SPILL REPORTED:	7/25/97
SPILL REPORTED BY:	DPS/Hansen
SPILL RESPONSE DATE:	07/25/97

PROPERTY MANAGEMENT TYPE: State

REFERRED TO: N/A
REFERRAL DATE: N/A

SPILL TYPE: Release
SAMPLES: 0
CHEMICAL MATERIAL OF SPILL: X-Ray Film Developer
STRUCTURE: Drum

FUND AMOUNT: Pvt/Unk
SPILL QUANTITY:
INVESTIGATION BY:

*Environmental FirstSearch
Site Detail Report*

TARGET SITE: 1050 LITCHFIELD ROAD
GOODYEAR AZ 85338

JOB: 2181JK041

STATE SITE		
SEARCH ID: 3	DIST/DIR: 0.00 --	MAP ID: 3
NAME: PHOENIX/GOODYEAR AIRPORT-NORTH	REV: 08/25/00	
ADDRESS: GOODYEAR AZ	ID1: NPL_24	
	ID2:	
	STATUS: NPL	
CONTACT:	PHONE:	
<u>REGISTRY SITE INFORMATION:</u>		
WQARF CODE:	015	
SUPRFUND_ID (note agency has duplicate id s)	22	
ABB:	PGAN	
AREA (in acres):	2498135	
PERIMETER (in meters):	10671.499	
<u>SITE STATUS:</u>		
<u>SITE BOUNDARIES:</u>		
<u>BACKGROUND:</u>		
<u>CONTAMINANTS:</u>		
<u>PUBLIC HEALTH IMPACT:</u>		
<u>COMMUNITY INVOLVEMENT:</u>		
<u>INFORMATION REPOSITORY:</u>		
<u>REGISTRY REPORT:</u>		
<u>CONTACTS:</u>		

Environmental First Search Arizona Databases and Sources

1. STATE SITES (WQARF & ACIDS)

The state has established a program under A.R.S. 49-282 to remedy sites which may have an actual or potential impact upon waters of the State, caused by hazardous substances. The Remedial Projects Section of ADEQ maintains this program. Some remedial projects are governed and funded by the federal CERCLA Superfund program and on the National Priority List. Among the sites in Arizona there are three military bases under the U.S. Dept. of Defense jurisdiction. For specific information contact the Remedial Projects Section at (602)207-4241.

The ACIDS list consists of locations subject to investigation under the State Water Quality Assurance Revolving Fund (WQARF) and Federal CERCLA programs. Specific information may be obtained by appointment from the Preliminary Assessment/Site Investigation Unit of ADEQ (602) 207-4227.

AREAS OF CRITICAL ENVIRONMENTAL CONCERN (ACEC'S)

Some WQARF sites are large areas and the boundaries of these areas are represented in the in ACEC area of the First Search Report. ACEC stands for Area of Critical Concern", and is a term used by the First Search Network, it is not a DEQ term.

2. SOLID WASTE LANDFILLS (SWATS)

The ADEQ Waste Programs Division Recycling and Data Management Unit maintains a list of solid waste facilities identified as active or closed. Specific information may be obtained by appointment from the department (602) 207-4133.

3. UNDERGROUND STORAGE TANKS (UST)

Under State (A.R.S. 49-1001 to 1014) and federal RCRA Subtitle laws, persons who own or have owned underground storage tanks which contain "regulated substances" are required to complete a notification form and submit it to the State. More than 6500 facilities have notified the State of more that 19,000 underground tanks. For further information contact the file room at (602) 207-4345.

4. LEAKING UNDERGROUND STORAGE TANKS (LUST)

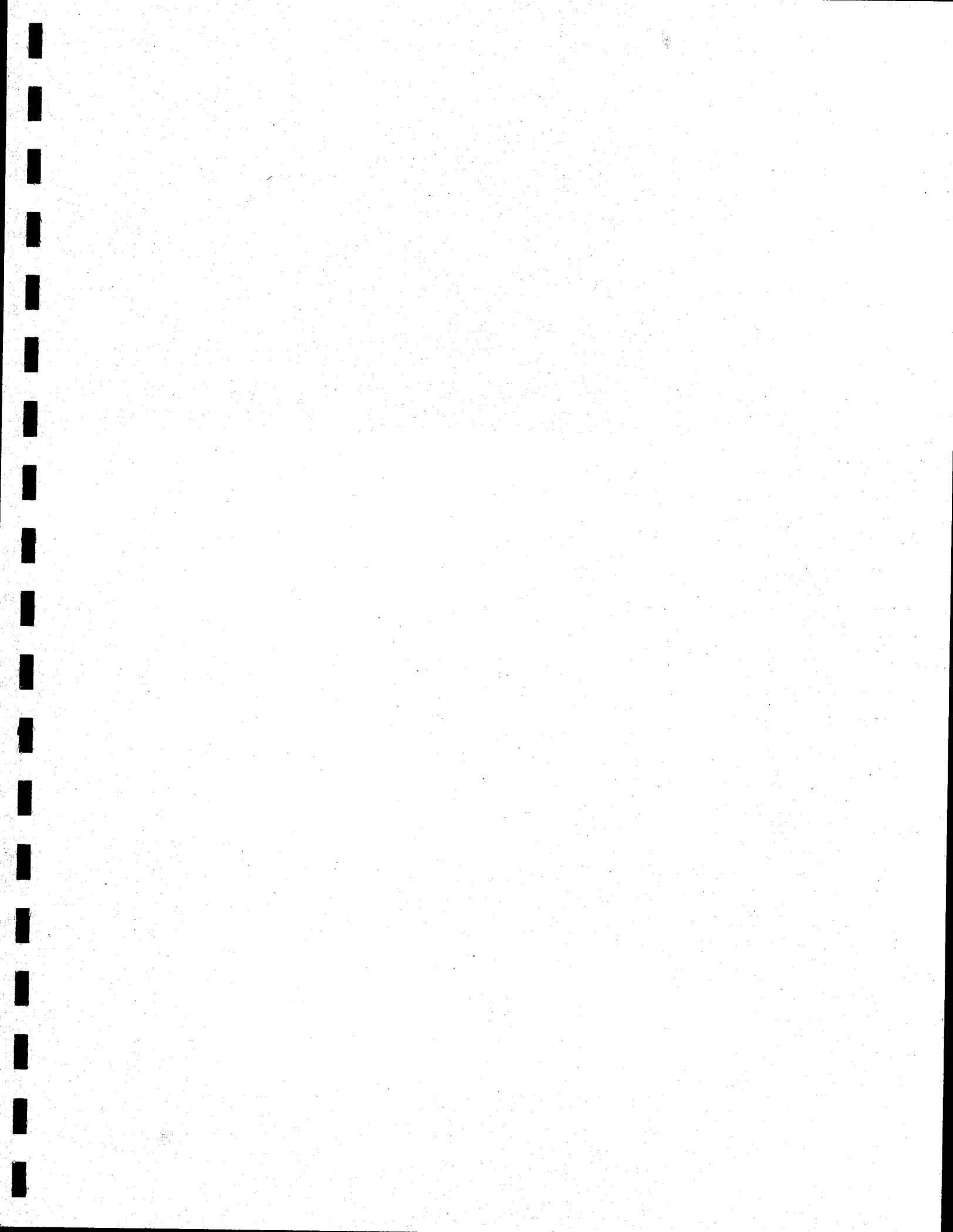
ADEQ maintains a list of leaking underground tanks (LUST). For further information contact the file room at (602) 207-4345.

5. PERMITS (Dry Wells Registrations)

The ADEQ Water Quality Division Water Protection Approval and Permits Section maintains a registry of dry wells that have been constructed solely for the disposal of storm water registered under A.R.S. 49-331-336. For more specific information, call (602) 207-4573.

6. SPILLS (Hazardous Materials Incident Logbook)

The ADEQ Emergency Response Unit documents chemical spills & incidents which are referred to the Unit. For further information, call (602) 207-4150.



**APPENDIX E:
SLUDGE TEST RESULTS**



Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
 16525 Sherman Way, Suite C-11, Van Nuys, CA 92406 (818) 779-1844 FAX (818) 779-1843
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-9596 FAX (858) 505-9689
 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Western Technologies, Inc. - Phoenix
 3737 E. Broadway Rd.
 Phoenix, AZ 85040
 Attention: David Regonini

Client Project ID: 2181JK041
 Report Number: PKB0369

Sampled: 02/21/01
 Received: 02/21/01

TOTAL METALS

Analyte	Method	Batch	Reporting Limit mg/kg	Sample Result mg/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PKB0369-04 (BM-10-BM-12 - Soil)								
Arsenic	EPA 6010B	P1B2805	5.0	20	1	2/28/01	3/5/01	
Cadmium	EPA 6010B	P1B2805	0.50	24	1	2/28/01	3/2/01	
Copper	EPA 6010B	P1B2805	2.0	1500	1	2/28/01	3/2/01	
Lead	EPA 6010B	P1B2805	5.0	240	1	2/28/01	3/2/01	
Mercury	EPA 7471A	P1C0215	0.40	7.7	20	3/2/01	3/2/01	
Molybdenum	EPA 6010B	P1B2805	5.0	7.4	1	2/28/01	3/2/01	
Nickel	EPA 6010B	P1B2805	5.0	440	1	2/28/01	3/2/01	
Selenium	EPA 6010B	P1B2805	5.0	ND	1	2/28/01	3/2/01	
Zinc	EPA 6010B	P1B2805	5.0	1000	1	2/28/01	3/2/01	NI
Sample ID: PKB0369-05 (BM-13-BM-15 - Soil)								
Arsenic	EPA 6010B	P1B2805	5.0	17	1	2/28/01	3/5/01	
Cadmium	EPA 6010B	P1B2805	0.50	19	1	2/28/01	3/2/01	
Copper	EPA 6010B	P1B2805	2.0	1100	1	2/28/01	3/2/01	
Lead	EPA 6010B	P1B2805	5.0	170	1	2/28/01	3/2/01	
Mercury	EPA 7471A	P1C0215	0.40	5.2	20	3/2/01	3/2/01	
Molybdenum	EPA 6010B	P1B2805	5.0	5.1	1	2/28/01	3/2/01	
Nickel	EPA 6010B	P1B2805	5.0	350	1	2/28/01	3/2/01	
Selenium	EPA 6010B	P1B2805	5.0	ND	1	2/28/01	3/2/01	
Zinc	EPA 6010B	P1B2805	5.0	750	1	2/28/01	3/2/01	NI
Sample ID: PKB0369-06 (BM-16-BM-18 - Soil)								
Arsenic	EPA 6010B	P1B2805	5.0	20	1	2/28/01	3/5/01	
Cadmium	EPA 6010B	P1B2805	0.50	26	1	2/28/01	3/2/01	
Copper	EPA 6010B	P1B2805	2.0	1500	1	2/28/01	3/2/01	
Lead	EPA 6010B	P1B2805	5.0	250	1	2/28/01	3/2/01	
Mercury	EPA 7471A	P1C0215	0.40	5.9	20	3/2/01	3/2/01	
Molybdenum	EPA 6010B	P1B2805	5.0	7.5	1	2/28/01	3/2/01	
Nickel	EPA 6010B	P1B2805	5.0	460	1	2/28/01	3/2/01	
Selenium	EPA 6010B	P1B2805	5.0	ND	1	2/28/01	3/2/01	
Zinc	EPA 6010B	P1B2805	5.0	1100	1	2/28/01	3/2/01	NI

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Julie M. Slocum
 Project Manager

PKB0369

3 of 6

Western Technologies, Inc. - Phoenix
 3737 E. Broadway Rd.
 Phoenix, AZ 85040
 Attention: David Regonini

Client Project ID: 2181JK041

Report Number: PKB0369

Sampled: 02/21/01
 Received: 02/21/01

TOTAL METALS

Analyte	Method	Batch	Reporting Limit mg/kg	Sample Result mg/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PKB0369-01 (BM-1-BM-3 - Soil)								
Arsenic	EPA 6010B	P1B2805	5.0	19	1	2/28/01	3/5/01	
Cadmium	EPA 6010B	P1B2805	0.50	24	1	2/28/01	3/2/01	
Copper	EPA 6010B	P1B2805	2.0	1400	1	2/28/01	3/2/01	
Lead	EPA 6010B	P1B2805	5.0	240	1	2/28/01	3/2/01	
Mercury	EPA 7471A	P1C0215	0.40	6.4	20	3/2/01	3/2/01	
Molybdenum	EPA 6010B	P1B2805	5.0	5.9	1	2/28/01	3/2/01	
Nickel	EPA 6010B	P1B2805	5.0	420	1	2/28/01	3/2/01	
Selenium	EPA 6010B	P1B2805	5.0	ND	1	2/28/01	3/2/01	
Zinc	EPA 6010B	P1B2805	5.0	1000	1	2/28/01	3/2/01	NI
Sample ID: PKB0369-02 (BM-4-BM-6 - Soil)								
Arsenic	EPA 6010B	P1B2805	5.0	18	1	2/28/01	3/5/01	
Cadmium	EPA 6010B	P1B2805	0.50	23	1	2/28/01	3/2/01	
Copper	EPA 6010B	P1B2805	2.0	1400	1	2/28/01	3/2/01	
Lead	EPA 6010B	P1B2805	5.0	220	1	2/28/01	3/2/01	
Mercury	EPA 7471A	P1C0215	0.40	6.7	20	3/2/01	3/2/01	
Molybdenum	EPA 6010B	P1B2805	5.0	6.0	1	2/28/01	3/2/01	
Nickel	EPA 6010B	P1B2805	5.0	380	1	2/28/01	3/2/01	
Selenium	EPA 6010B	P1B2805	5.0	ND	1	2/28/01	3/2/01	
Zinc	EPA 6010B	P1B2805	5.0	970	1	2/28/01	3/2/01	NI
Sample ID: PKB0369-03 (BM-7-BM-9 - Soil)								
Arsenic	EPA 6010B	P1B2805	5.0	17	1	2/28/01	3/5/01	
Cadmium	EPA 6010B	P1B2805	0.50	23	1	2/28/01	3/2/01	
Copper	EPA 6010B	P1B2805	2.0	1400	1	2/28/01	3/2/01	
Lead	EPA 6010B	P1B2805	5.0	230	1	2/28/01	3/2/01	
Mercury	EPA 7471A	P1C0215	0.40	6.7	20	3/2/01	3/2/01	
Molybdenum	EPA 6010B	P1B2805	5.0	5.5	1	2/28/01	3/2/01	
Nickel	EPA 6010B	P1B2805	5.0	390	1	2/28/01	3/2/01	
Selenium	EPA 6010B	P1B2805	5.0	ND	1	2/28/01	3/2/01	
Zinc	EPA 6010B	P1B2805	5.0	990	1	2/28/01	3/2/01	NI

Julie M. Slocum
 Project Manager

PKB0369

2 of 6



Western Technologies, Inc. - Phoenix
 3737 E. Broadway Rd.
 Phoenix, AZ 85040
 Attention: David Regonini

Client Project ID: 2181JK041
 Report Number: PKB0369

Sampled: 02/21/01
 Received: 02/21/01
 Issued: 03/06/01

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX
PKB0369-01	BM-1-BM-3	Soil
PKB0369-02	BM-4-BM-6	Soil
PKB0369-03	BM-7-BM-9	Soil
PKB0369-04	BM-10-BM-12	Soil
PKB0369-05	BM-13-BM-15	Soil
PKB0369-06	BM-16-BM-18	Soil

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

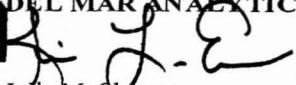
OBSERVATIONS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

QA/QC CRITERIA: All analyses met method criteria.

EXPLANATION OF DATA QUALIFIERS: For zinc results flagged N1, zinc was also detected in the method blank. The concentration in the sample is greater than 10X the concentration found in the method blank.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

 For:
 Julie M. Stocum
 Project Manager



Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
 16525 Sherman Way, Suite C-11, Van Nuys, CA 92406 (818) 779-1844 FAX (818) 779-1843
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-9596 FAX (858) 505-9689
 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Western Technologies, Inc. - Phoenix
 3737 E. Broadway Rd.
 Phoenix, AZ 85040
 Attention: David Regonini

Client Project ID: 2181JK041
 Report Number: PKB0369

Sampled: 02/21/01
 Received: 02/21/01

METHOD BLANK/QC DATA

TOTAL METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: P1B2805 Extracted: 02/28/01										
Blank Analyzed: 03/02/01 (P1B2805-BLK1)										
Arsenic	ND	5.0	mg/kg							
Cadmium	ND	0.50	mg/kg							
Copper	ND	2.0	mg/kg							
Lead	ND	5.0	mg/kg							
Molybdenum	ND	5.0	mg/kg							
Nickel	ND	5.0	mg/kg							
Selenium	ND	5.0	mg/kg							
Zinc	ND	5.0	mg/kg							B1
ICS Analyzed: 03/02/01 (P1B2805-BS1)										
Arsenic	97.1	5.0	mg/kg	100		97.1	80-120			
Cadmium	98.1	0.50	mg/kg	100		98.1	80-120			
Copper	97.5	2.0	mg/kg	100		97.5	80-120			
Lead	94.8	5.0	mg/kg	100		94.8	80-120			
Molybdenum	97.3	5.0	mg/kg	100		97.3	80-120			
Nickel	94.3	5.0	mg/kg	100		94.3	80-120			
Selenium	95.9	5.0	mg/kg	100		95.9	80-120			
Zinc	100	5.0	mg/kg	100		100	80-120			
Matrix Spike Analyzed: 03/02/01 (P1B2805-MS1)										
Arsenic	112	5.0	mg/kg	100	26	86.0	75-125			
Cadmium	111	0.50	mg/kg	100	16	95.0	75-125			
Copper	271	2.0	mg/kg	100	240	31.0	75-125			M2
Lead	12600	50	mg/kg	100	14000	-1400	75-125			M3
Molybdenum	89.2	5.0	mg/kg	100	ND	84.7	75-125			
Nickel	96.1	5.0	mg/kg	100	16	80.1	75-125			
Selenium	83.3	5.0	mg/kg	100	ND	83.3	75-125			
Zinc	6190	50	mg/kg	100	6100	90.0	75-125			
Source: PKB0315-01										

Julie M. Slocum
 Project Manager

PKB0369
 4 of 6

Western Technologies, Inc. - Phoenix
 3737 E. Broadway Rd.
 Phoenix, AZ 85040
 Attention: David Regonini

Client Project ID: 2181JK041

Report Number: PKB0369

Sampled: 02/21/01
 Received: 02/21/01

METHOD BLANK/QC DATA

TOTAL METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: P1B2805 Extracted: 02/28/01										
Matrix Spike Dup Analyzed: 03/02/01 (P1B2805-MSD1)										
Arsenic	111	5.0	mg/kg	100	26	85.0	75-125	0.897	20	
Cadmium	100	0.50	mg/kg	100	16	84.0	75-125	10.4	20	
Copper	277	2.0	mg/kg	100	240	37.0	75-125	2.19	20	M2
Lead	11000	50	mg/kg	100	14000	-3000	75-125	13.6	20	M3
Molybdenum	88.4	5.0	mg/kg	100	ND	83.9	75-125	0.901	20	
Nickel	95.6	5.0	mg/kg	100	16	79.6	75-125	0.522	20	
Selenium	84.1	5.0	mg/kg	100	ND	84.1	75-125	0.956	20	
Zinc	6110	50	mg/kg	100	6100	10.0	75-125	1.30	20	M3

Batch: P1C0215 Extracted: 03/02/01

Blank Analyzed: 03/02/01 (P1C0215-BLK1)

Mercury ND 0.020 mg/kg

CS Analyzed: 03/02/01 (P1C0215-BS1)

Mercury 0.315 0.020 mg/kg 0.333 94.6 85-115

Matrix Spike Analyzed: 03/02/01 (P1C0215-MS1)

Mercury 0.369 0.020 mg/kg 0.333 ND 109 85-115

Matrix Spike Dup Analyzed: 03/02/01 (P1C0215-MSD1)

Mercury 0.381 0.020 mg/kg 0.333 ND 113 85-115 3.20 20

Julie M. Slocum
 Project Manager

PKB0369
 5 of 6



Western Technologies, Inc. - Phoenix
3737 E. Broadway Rd.
Phoenix, AZ 85040
Attention: David Regonini

Client Project ID: 2181JK041
Report Number: PKB0369

Sampled: 02/21/01
Received: 02/21/01

METHOD BLANK/QC DATA

DATA QUALIFIERS AND DEFINITIONS

- B1** Target analyte detected in method blank at or above the method reporting limit.
- M2** Matrix spike recovery was low, the method control sample recovery was acceptable.
- M3** The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.
- N1** See case narrative.
- ND** Analyte NOT DETECTED at or above the reporting limit
- NR** Not reported.
- RPD** Relative Percent Difference

Julie M. Slocum
Project Manager

PKB0369
6 of 6

CHAIN OF CUSTODY FORM

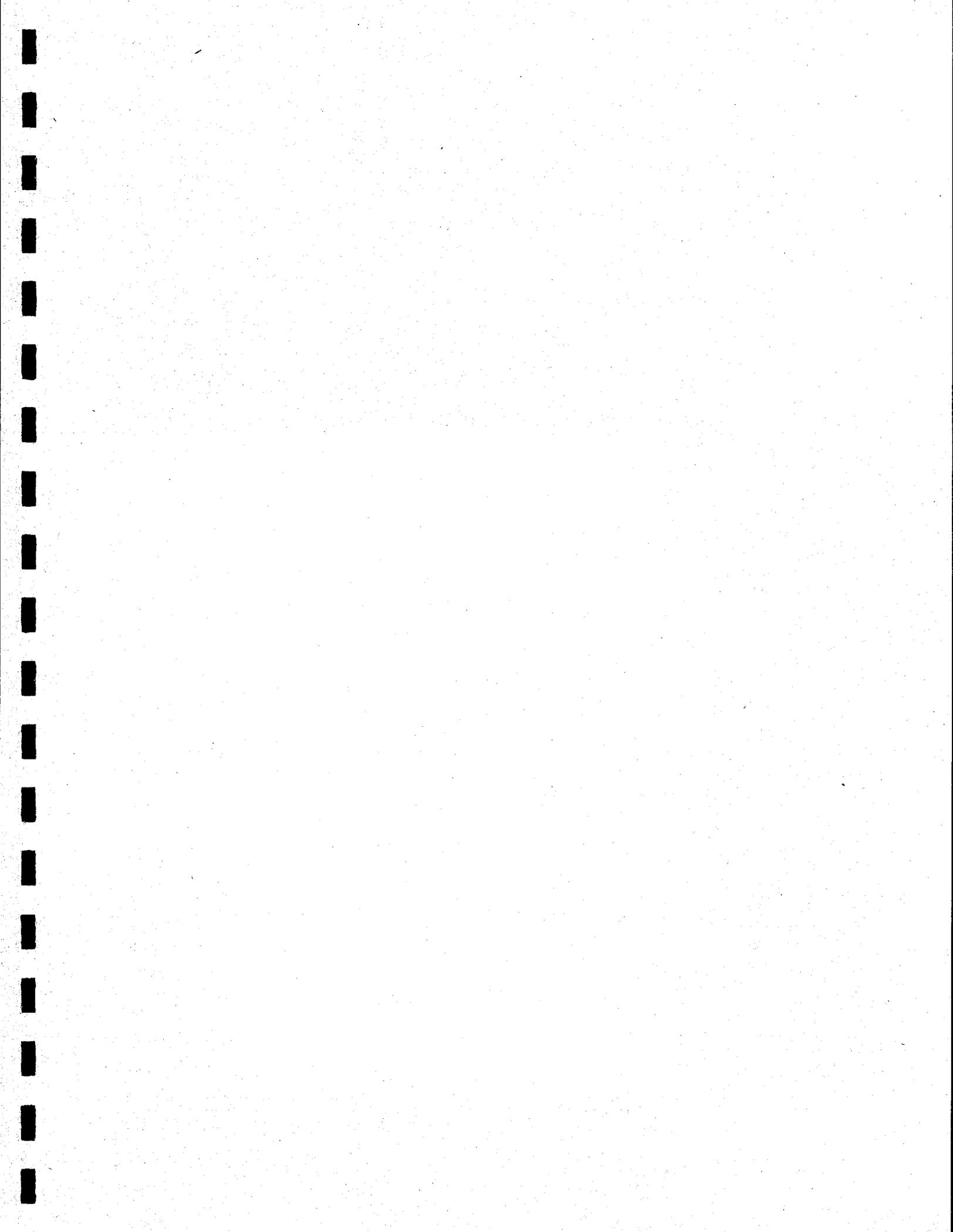
Client Name/Address: Western Tech (FCDMC)		Project/PO Number: 21815K041		Analysis Required									
Project Manager:		Phone Number: 602-437-3737		Metals - As, Cd, Pb, Cu, Hg, Mo, Ni, Se, Zn									6 total Composite Sampling Bill Directly to FCDMC Special Instructions
Sampler:		Fax Number: 602-470-1341											
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives							
Bm-1	Soil	2kg jar	1	2-21-01	3:30								Composite sample
Bm-2					3:32								BM1 - BM3 ↓
Bm-3					3:34								
Bm-4					3:36								Composite sample
Bm-5					3:38								Bm4 -
Bm-6					3:40								Bm6
Bm-7					3:42								Composite
Bm-8					3:44								sample
Bm-9					3:46								Bm7 - Bm9
Bm-10					3:48								Composite
Bm-11					3:50								sample
Bm-12					3:52								Bm10 - Bm12
Relinquished By: Nikki Cherry		Date /Time: 2-21-01 / 5:25 p.m.		Received by:		Date /Time:		Turnaround Time: (Check)					
Relinquished By:		Date /Time: Revised 2-27-01 / 8:51 am		Received by:		Date /Time:		same day <input type="checkbox"/> 72 hours <input type="checkbox"/>					
Relinquished By:		Date /Time:		Received in Lab by:		Date /Time:		24 hours <input type="checkbox"/> 5 days <input type="checkbox"/>					
Relinquished By:		Date /Time:		Received in Lab by:		Date /Time:		48 hours <input type="checkbox"/> normal <input checked="" type="checkbox"/>					
Relinquished By:		Date /Time:		Received in Lab by:		Date /Time:		Sample Integrity: (Check)					
Relinquished By:		Date /Time:		Received in Lab by:		Date /Time:		intact <input type="checkbox"/> on ice <input type="checkbox"/>					

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

CHAIN OF CUSTODY FORM

Client Name/Address: Western Tech (FCDMC)		Project/PO Number: 2181JKH1		Analysis Required									
Project Manager: David Regonini		Phone Number: 602-437-3737		Pb, Cu, As, Ni, Se, Zn metals - Cd, Hg, Mo									6 composite samples total Bill directly to FCDMC Special Instructions
Sampler: Nikki Cherry		Fax Number: 602-470-1341											
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives							
Bm-13	Soil	4oz jar	1	2-21-01	3:54								Composite
Bm-14	↓	↓	↓	↓	3:56								Sample
Bm-15	↓	↓	↓	↓	3:58								Bm13-Bm15
Bm-16	↓	↓	↓	↓	4:04								Composite
Bm-17	↓	↓	↓	↓	4:06								sample Bm16-
Bm-18	↓	↓	↓	↓	4:10								Bm18
Relinquished By: Nikki Cherry		Date /Time: 2-21-01 5:25pm		Received by:		Date /Time:		Turnaround Time: (Check)					
Relinquished By:		Date /Time: revised 2-27-01 8:51am		Received by:		Date /Time:		same day _____ 72 hours _____ 24 hours _____ 5 days _____ 48 hours _____ normal <input checked="" type="checkbox"/>					
Relinquished By:		Date /Time:		Received in Lab by:		Date /Time:		Sample Integrity: (Check) intact _____ on ice _____					

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.



**APPENDIX F:
SEPTIC TANK RECORD INFORMATION**





Western Technologies Inc.

The Quality People
Since 1955

3737 East Broadway Road
Phoenix, Arizona 85040-2966
(602) 437-3737 • fax 470-1341

February 22, 2001

VIA FACSIMILE TO: 602-506-6925
Maricopa County Environmental Services

Attn: Milta or Seffaine Heck (tel: 602-506-6681)

Re: SEPTIC SYSTEM SEARCH REQUEST

Western Technologies Inc. (WT) would like to request your assistance to investigate possible locations of septic systems registered to the following property:

A parcel of land within the south 1/2 of the north 1/2, of Township 1 North, Range 1 West, Sections 3 and 4.

The Property is 145 acres of vacant land located approximately 1/16 mile west of Dysart Road, approximately 1/4 mile east of Bullard Avenue, and directly north of I-10 in Goodyear, Arizona, Maricopa County. The Property consists of drainage basins that are currently used by the Flood Control District of Maricopa County.

Could you please fax the requested information to me at 602-470-1341. I appreciate your assistance in this matter. Should you have any questions please contact me at 602-437-3737 ext. 122.

Sincerely,
WESTERN TECHNOLOGIES, INC.

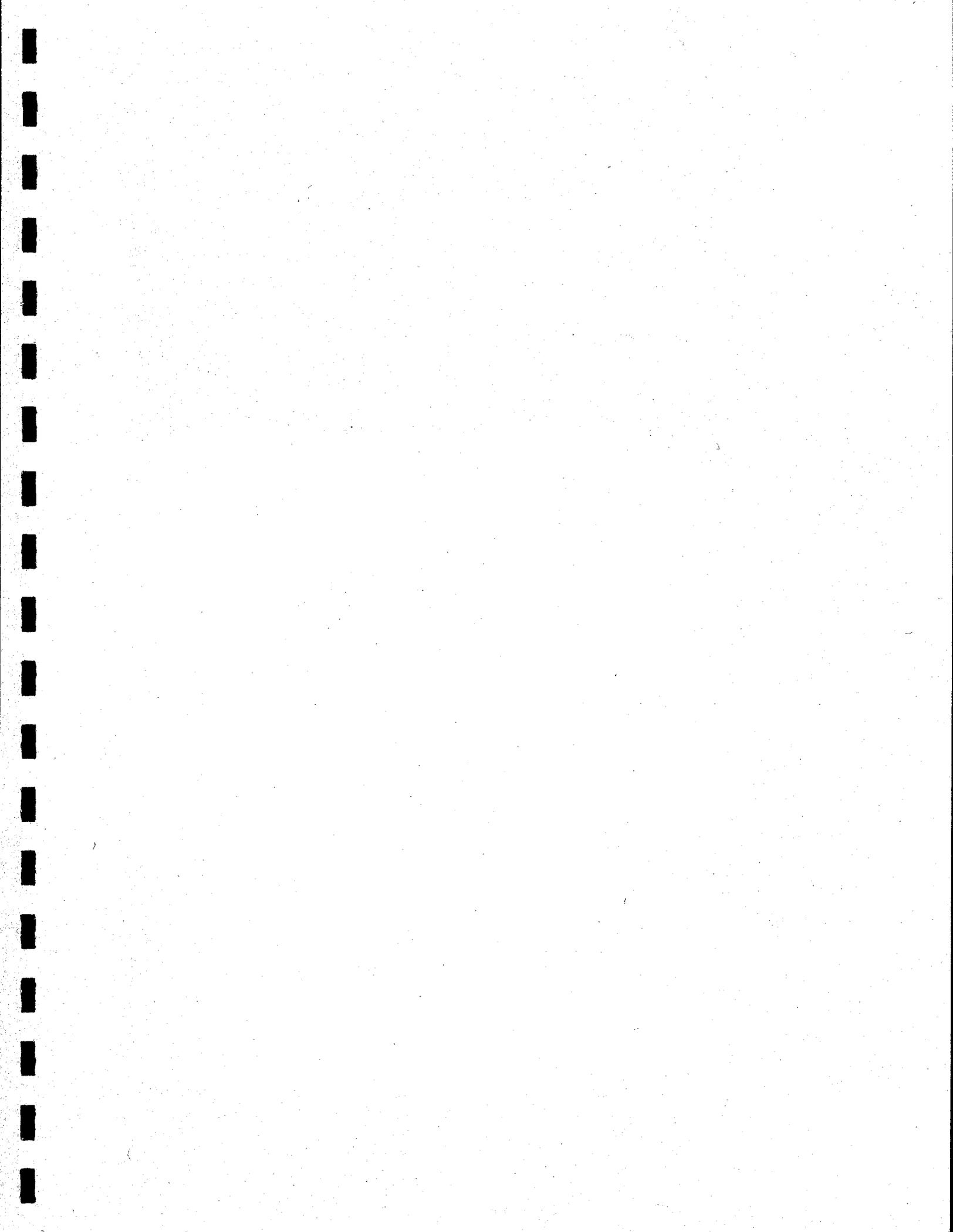
Nikki Cherry
Environmental Scientist

MARICOPA COUNTY ENVIRONMENTAL SERVICES RESPONSE

Records of a septic system were found for the property: Yes No

Researched By: _____ Title: _____ Date: _____

Notes: _____



**APPENDIX G:
RECORD OF COMMUNICATION**

WESTERN TECHNOLOGIES INC.

Record of Communication

3737 East Broadway Road, Phoenix, AZ 85040
tel: 602.437.3737 fax: 602.470.1341

Date: 2-23-01	Time: 8:11am
Project Name: Basins	Call From: <input checked="" type="checkbox"/> WT Name: Nikki Cherry Call To: <input type="checkbox"/>
Project Location: Litchfield IT-10	Call From: <input type="checkbox"/> Contact Name: Theresa Hoff Call To: <input checked="" type="checkbox"/>
Project Number: 2181JK041	Company: FC DMC
Subject/Topic: Sludge Piles and Former ESA	Address:
	City/State/Zip:
	Tel. No.: 602-506-8127
Summary of Communication: She had stated that a previous ESA Phase I had been conducted on the Prop. possibly by Dames and Moore for Sunco. The ESA has not been located at this time. She had stated that the previous ESA stated ADOT had stored Sludge on the property	
Follow-up Action:	
Signature: 	Page of

WESTERN TECHNOLOGIES INC.

Record of Communication

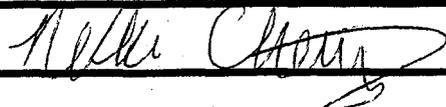
3737 East Broadway Road, Phoenix, AZ 85040
tel: 602.437.3737 fax: 602.470.1341

Date: 2-23-01	Time: 1:20 p.m.
Project Name: 2181JK041	Call From: <input checked="" type="checkbox"/> WT Name: Nikki Cherry
Project Location: Litchfield and I-10	Call To: <input type="checkbox"/> Contact Name: Eric Louis
Project Number: 2181JK041	Company: ADEQ (Erns)
Subject/Topic: Erns and spill sites	Address:
	City/State/Zip:
	Tel. No.: 602-207-4155

Summary of Communication: Mr. Louis stated that the motor cargo incident happened on I-10 westbound. 20 gallons of X-ray developers (film) spilled from a 55 gallon polydrom on a truck. The developer (remaining) was transferred into another drum and absorbant ~~was~~ was used to clean up the spill. Sodium bicarbonate was used to neutralize the spot and rinsed with water.

The Shawn Williams spill and erns site occurred when the truck caught on fire. The Goodyear FD responded the drums on the truck spilled 4 - 55 gallon drums of latex paint. Absorbant was used to contain the paint and clean it up Environmental Response Corporation cleaned the spot and a little was reported to have washed down a drainage channel. ADOT reported shoulder damage and drain damage. Occurred at mile marker 127.9 west bound.

Follow-up Action:

Signature: 

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WESTERN TECHNOLOGIES INC.

Record of Communication

3737 East Broadway Road, Phoenix, AZ 85040
tel: 602.437.3737 fax: 602.470.1341

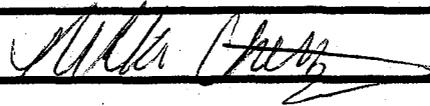
Date: 2-23-01	Time: 8:30 am
Project Name: Basins	Call From: <input checked="" type="checkbox"/> WT Name: Nikki Cherry
Project Location: Litchfield & I-10	Call To: <input type="checkbox"/> Contact Name: Thore Anderson
Project Number: 2181JK041	Company: ADOT
Subject/Topic: Interview	Address:
	City/State/Zip:
	Tel. No.: 602-712-8637

Summary of Communication: Mr. Anderson stated no AST's, UST's, SWL, air emissions or permits, hazardous materials, petroleum product, recycling facilities, water discharges or liquids, electricity, sewage, gas, wells, dry ~~or monitoring~~ wells on the property or else that he knows about. TCLP test done for some golf course runoff into the basin passed the TCLP test but 1 RCRA metal was detected, but he is not sure which one, (he is going to look for records. He said ADOT did not dump sludge but some other party possibly the County did illegally. Drainage evaporates or goes infiltrates into the ground.

* monitoring wells may be on Prop. he can't remember but says it sounds familiar.

no septic tanks, Mr. Anderson located files for review.

Follow-up Action:

Signature: 

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WESTERN TECHNOLOGIES INC.

Record of Communication

3737 East Broadway Road, Phoenix, AZ 85040
tel: 602.437.3737 fax: 602.470.1341

Date: 1-2-01	Time: 8:35 a.m.
Project Name: Basins	Call From: <input type="checkbox"/> WT Name: Nikki Cherry
Project Location: Litchfield and I-10	Call To: <input checked="" type="checkbox"/> Contact Name: Goldenra
Project Number: 2181 JK041	Company: ADOT
Subject/Topic: Property	Address:
	City/State/Zip:
	Tel. No.: 602-712-7997

Summary of Communication: Goldenra stated that the Property had and was going through litigation. She believed that the Property had not been released and wanted to contact our Client, Theresa.

Follow-up Action:

Signature: _____ Page _____ of _____