

**LIMITED PHASE I
ENVIRONMENTAL SITE ASSESSMENT
AT THE PROPERTY LOCATED ON THE
NORTHWEST CORNER OF 48TH STREET AND
MCDOWELL ROAD
IN PHOENIX, ARIZONA**



• *Certified Environmental Corporation, Inc.* •
• *Water Resources Associates, Inc.* •

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ENVIRONMENTAL SITE ASSESSMENT
AT THE PROPERTY LOCATED ON THE
NORTHWEST CORNER OF 48TH STREET AND
MCDOWELL ROAD
IN PHOENIX, ARIZONA**

Prepared For:

**MARICOPA COUNTY FLOOD CONTROL DISTRICT
2801 W. Durango Street
Phoenix, AZ 85009**

Prepared By:

**CEC/WRA
4041 N. Central Avenue, Suite 1050
Phoenix, AZ 85012-3393**

December 6, 1993
WRA File AR-390-2094

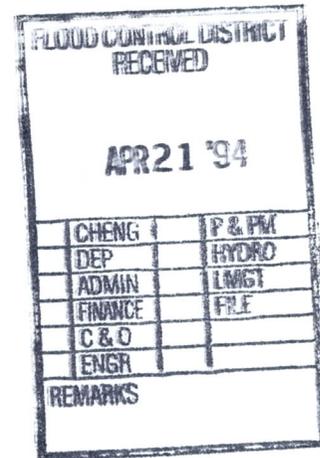




• Certified Environmental Corporation, Inc. •
• Water Resources Associates, Inc. •

April 20, 1994

Mr. Dave Gardner
Flood Control District of Maricopa County
2801 W. Durango Street
Phoenix, Az. 85009



SUBJECT: ADDENDUM # 1 TO A LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT PREVIOUSLY CONDUCTED AT PROPERTY LOCATED NEAR THE NORTHWEST CORNER OF 48TH STREET AND MCDOWELL ROAD IN PHOENIX, ARIZONA, CEC/WRA REPORT # AR-390-2094, DATED DECEMBER 6, 1993

Dear Mr. Gardner:

CEC/WRA is pleased to submit this addendum to the subject report. In accordance with your instructions, an additional site visit was conducted to expand the scope of the site inspection to include parcels OCC-1B, OCC-2, and OCC-3, as shown in Figure 1 of the original report. Right-of-entry to these parcels had not been obtained during the original investigation, therefore the original site visit was limited to observations from the property boundaries.

On April 5, 1994, CEC/WRA obtained access to and toured Parcels OCC-1B, OCC-2, and OCC-3. CEC/WRA personnel were accompanied by Mr. Arthur West and Mr. George Popadopolous, the property owners, during the site visit. Site observations are described in detail below.

1. Arthur West property (OCC-1B and OCC-2): This parcel is irregular in shape and defines the western boundary of the subject site. Development on the parcel consists of two single-family homes, one garage-apartment structure, two metal storage sheds, and a swimming pool and recreation room. According to Mr. West, all of the structures on the parcel were constructed prior to 1970. However, they were observed to be in good repair. The northern and southeastern corners of the parcel were planted in trees and grasses, and were landscaped to accept irrigation water. Several small piles of lumber, metal, plastic pipe, and four rim-mounted tires were observed at the north end of the parcel in the vicinity of the garage-apartment structure. Various paints, pesticides, pool chemicals, and cleaners in small retail containers were observed in and around the metal storage sheds and on a outdoor workbench near the pool area. All chemicals observed were consistent with normal household use and no significant staining or spillage was noted. One pad-mounted SRP transformer was observed in the southeast corner of the site. The transformer was clean and no leakage or damage was detected.

2. George Papadopolous property (OCC-3): This parcel is rectangular in shape and is located adjacent to the south and east of the Arthur West parcel. Development on the parcel consists of two single-family homes, and a small apartment structure in the northwest corner. One of the

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Mr. Dave Gardner
Addendum to Phase I ESA
48th Street & McDowell Road
April 20, 1994
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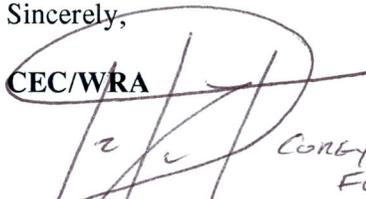
homes and the apartment were occupied. Therefore, access to the interior of the buildings was not possible. The remaining home was vacant and was being utilized by Mr. Papadapolous to store and repair household appliances. This repair does not appear to include significant quantities of lubricants or cleaners. With the exception of a few aerosol containers of WD-40 and several one-gallon cans of house paint, no chemicals were observed. Several appliances were also stored between the two homes. Mr. Papadapolous stated that although he has owned the property for 17 years, he did not know the age of the on site structures. Ground cover on the south, west, and central portions of the parcel is asphalt paving or bare dirt. The occupied single-family home is surrounded by a lawn.

CEC/WRA observed no significant visual evidence to suggest contamination of the subject parcels by petroleum or hazardous substances. CEC/WRA recommends that, if demolition of the present on-site structures is planned, a Comprehensive Asbestos Survey be performed to determine the presence and quantity of Asbestos Containing Materials (ACMs) in the structures.

No other change to the conclusions and recommendations of the original Phase I ESA report is recommended as a result of the new site observations.

If you have any questions, please do not hesitate to call.

Sincerely,

CEC/WRA

Cathy Rowley
FOR

Bruce E. Campbell
Project Manager

Dennis C. Knudsen, P.E.
Regional Vice-President

cc: CEC/WRA File AR390-2132.BC9





• Certified Environmental Corporation, Inc. •
• Water Resources Associates, Inc. •

December 6, 1993

Mr. Dave Gardner
Maricopa County Flood Control District
2801 W. Durango Street
Phoenix, AZ 85009

**SUBJECT: LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT AT THE
PROPERTY LOCATED ON THE NORTHWEST CORNER OF 48TH STREET
AND MCDOWELL ROAD IN PHOENIX, ARIZONA**

Dear Mr. Gardner:

CEC/WRA is pleased to submit our Phase I Environmental Site Assessment (ESA) for the subject property. This report is provided in completion of the scope of work as described in our proposal dated October 29, 1993, and accepted in your letter dated November 2, 1993.

If you have any questions concerning this document, please call either of us at (602) 248-8808. We appreciate the opportunity to complete this important work for the District.

Respectfully submitted,

WATER RESOURCES ASSOCIATES, INC.

Bruce E. Campbell
Project Manager

Dennis C. Knudsen, P.E.
Vice President

Attachment: Phase I ESA Report

cc: Edward D. Ricci, Vice President, WRA
WRA File AR-390-2094

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EXECUTIVE SUMMARY

The Maricopa County Flood Control District has retained Certified Environmental Corporation, Inc./Water Resources Associates, Inc. (CEC/WRA) to perform a Limited Phase I Environmental Site Assessment (ESA) at the property located on the northwest corner of 48th Street and McDowell Road in Phoenix, Arizona.

This assessment included a review of selected public environmental and historical records concerning the subject property and adjacent areas. Our assessment also included a visual observation of the site in order to confirm aspects of the records review, and to identify features suggesting the potential presence of hazardous substances on the subject property, or the potential for migration of hazardous substances from adjacent land onto the subject property.

This assessment confirmed that the subject property is currently an approximately 3 acre triangular parcel located at the northwest corner of 48th Street and McDowell Road, which currently is developed with a 7-Eleven convenience store.

Site observations by CEC/WRA did not reveal evidence of the use, storage, or disposal of hazardous or regulated substances from current on-site activities. **The 7-Eleven store, however, is currently the subject of an open Leaking Underground Storage Tank (LUST) investigation.** The 7-Eleven USTs were removed in 1989. A subsurface investigation conducted in the vicinity of the USTs prior to removal detected low level hydrocarbon contamination. Additionally, review of city directories and City of Phoenix Fire Department records revealed historical evidence of two service stations (ENCO and Gulf) located at the subject site prior to the 7-Eleven store. Although some anecdotal evidence was found in the LUST investigation file review to indicate that previous tanks had been removed, no documentation of tank removal was found for the ENCO or Gulf facilities by CEC/WRA.

Based on site observations and records reviews, CEC/WRA recommends **consultation with ADEQ to determine the present status of the investigation and a magnetometer survey of the parcel surrounding the 7-Eleven store to determine whether any former USTs remain on the property.** A subsurface investigation to confirm or deny hydrocarbon contamination at the 7-Eleven site is also recommended.

The subject property is located immediately north of the study boundaries of the East Washington Water Quality Assurance Revolving Fund (WQARF), or "State Superfund" study area. Although no data were available to judge the quality of ground water directly below the subject property, volatile organic contaminants (VOCs) have been detected in ground water at levels which exceed drinking water standards in wells located south of McDowell Road and west of 48th Street, approximately 0.25 mile southwest and down-gradient from the subject property. Owners or operators of the subject property have not been identified as potentially responsible parties for the observed contamination (Kleinfelder, 1989).

The subject property is located approximately 0.5 miles west of a Federal Superfund Site. The Motorola 52nd Street Site is located at the southwest corner of 52nd Street and McDowell Road. According to the Arizona Department of Environmental Quality (ADEQ), the plume of VOC-contaminated ground water extends for three or more miles to the southwest of the Motorola facility. Although the subject property currently lies up-gradient of the source, the available information indicates that due to ground-water shifts, the contaminant plume may pass underneath the property. It is possible that the contamination discussed as part of the East Washington WQARF investigation represents the Motorola plume.

Our records review and site observations revealed no other significant evidence to suggest the potential presence of hazardous substances on the subject property at this time.

No further investigation of the subject property, other than that described above, is recommended at this time.

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1.0 INTRODUCTION

1.1 BACKGROUND

The Maricopa County Flood Control District has retained Certified Environmental Corporation, Inc./Water Resources Associates, Inc. (CEC/WRA) to perform a Limited Phase I Environmental Site Assessment (ESA) at the property located on the northwest corner of 48th Street and McDowell Road in Phoenix, Arizona. This work was performed in accordance with the scope of work outlined in the CEC/WRA proposal dated October 29, and accepted by the Maricopa County Flood Control District letter dated November 2, 1993.

1.2 SCOPE OF WORK

This assessment included a review of selected public environmental and historical records concerning the subject property and adjacent areas. Our assessment also included a visual observation of the site in order to confirm aspects of the records review and to identify features suggesting the potential presence of hazardous substances on the subject property, or the potential for migration of hazardous substances from adjacent land onto the subject property. Because right-of-entry to most of the subject property has not yet been gained by the District, the site inspection was limited to observations made during a walk about the perimeter of the site. CEC/WRA personnel were able to enter the 7-Eleven portion of the site and conduct a thorough site inspection.

1.3 LIMITATIONS

The conclusions presented herein are based on CEC/WRA's interpretation of selected available data. This ESA does not include an evaluation of occupational health and safety hazards. CEC/WRA is not responsible for the accuracy of data obtained from officials of regulatory agencies, nor for discrepancies between our conclusions and future activities at the site which may result in conditions not detected during this investigation. Our interpretations are based upon the review of selected public records and observations of specific field conditions. It should also be recognized that CEC/WRA's work was done in accordance with our understanding of the regulatory standards which existed at the time the work was performed. The presence, nature, or extent of potential contamination on the subject property can only

be conclusively determined through appropriate sampling and analysis. No warranties are expressed or implied concerning potential contaminants or environmental media not addressed through sampling and analysis.

2.0 SITE INFORMATION

2.1 LOCATION

The subject property is located on the northwest corner of 48th Street and McDowell Road in Phoenix, Arizona. A site location map is provided as Figure 1. The subject property is more generally located in Section 31, Township 2 North, Range 4 East of the Gila and Salt River Baseline and Meridian, Maricopa County, Arizona. A site diagram based upon field observations is included as Figure 2.

2.2 SITE DESCRIPTION

CEC/WRA personnel visited the subject property on November 15, 1993 accompanied by Mr. Dave Gardner of MCFCD in order to confirm aspects of the records review and to visually identify features suggesting the potential presence of hazardous substances.

The subject property consists of an approximately 3 acre triangular parcel of land at the northwest corner of 48th Street and McDowell Road (See Figure 1). With the exception of the 7-Eleven store on the southeast corner, CEC/WRA was not able to access the interior of the property. The description that follows is based on observations made from the perimeter of that portion of the site. The 7-Eleven store is a single story slump block building operated as a convenience store. Historical data indicates that 7-Eleven formerly dispensed gasoline from a single fuel island located south of the building. No evidence of this fuel island or associated fill or vent piping was observed. Although the concrete parking area adjacent to the building appeared intact, the asphalt access driveway in the location of the former USTs showed signs of patching. The area behind the store appeared to be an access driveway for the residential structures. No evidence of monitor wells or patched boring holes was observed. Several residential structures were observed behind trees and hedgerows on the site to the north and west of the 7-Eleven store. No commercial or industrial operations were observed. No containers or staining indicating the use, storage, or disposal of hazardous or regulated waste were observed on the inaccessible portion or the 7-Eleven portion of the site.

3.0 ADJACENT LAND USE

Properties adjacent to the subject property generally consist of 48th Street and commercial to the east, and a canal and residential to the west, residential to the north and McDowell Road and residential and commercial developments to the south.

4.0 REGIONAL SETTING

4.1 TOPOGRAPHY AND DRAINAGE

CEC/WRA reviewed selected United States Geological Survey (USGS) topographic maps for the Tempe, Arizona Quadrangle, dated 1952 and photo revised in 1982, to confirm field observations of topography and drainage on the subject property. According to the USGS Maps, the site lies at approximately 1,198 feet above mean sea level (msl).

The subject property is primarily flat with a gradual slope to the southwest. Stormwater drainage on the subject property appears to pond and evaporate on-site or migrate toward adjacent streets and subsequently into storm sewers.

4.2 GEOLOGY AND HYDROGEOLOGY

The subject property lies in the Salt River Valley, a broad alluvial basin within the Basin and Range physiographic province, which includes southern Arizona. The Basin and Range province is characterized by a series of northwest trending fault-bounded mountain ranges separated by alluvial valleys.

The Salt River Valley is surrounded by mountains composed primarily of granite, metamorphic and volcanic rocks, and minor amounts of sedimentary rocks. The valley floor is underlain by thick semi-consolidated basin-fill sediments (Brown and Pool, 1989). Shallow subsurface is comprised of quaternary active alluvium deposits consisting of sand, gravel, and silt.

Review of the Arizona Department of Water Resources (ADWR) Hydrologic Map Series, Report No. 12, indicates that groundwater below the subject property occurs at approximately 40 feet below ground surface (bgs). The direction of general groundwater flow in the area is toward the west.

4.3 WATER QUALITY

Potential sources of information concerning ground-water quality in the area of the subject property include the Arizona Department of Environmental Quality (ADEQ) Annual Report on Groundwater

Quality Sampling Results, Salt River Project (SRP) Annual Water Quality Reports, and reports of various Superfund, WQARF or other site investigations in the area of the subject property. These reports are discussed in Section 6.0 of this report.

4.4 METEOROLOGY

The Salt River Valley lies in the northeastern part of the Sonoran desert, characterized by hot summers and cool winters. The average daily maximum temperature is 105° F in July and 65° F in December, while daily minimum temperatures average 80° F in July and 39° F in December. Annual rainfall averages approximately 7.5 inches on the valley floor, with most of the precipitation occurring during two rainy seasons. In winter, occasional storm systems moving inland from the Pacific Ocean result in widespread rainfall of light to moderate intensity. Summer storm events are typically caused by warm air masses moving northward from the Gulf of Mexico and the west coast of Mexico. Summer rainfall events are generally more localized and highly variable in intensity. Potential annual evapotranspiration has been measured at 72 inches of water and thus may be approximately ten times annual rainfall in the Salt River Valley (Brown and Pool, 1989).

5.0 HISTORICAL LAND USE

5.1 HISTORICAL AERIAL PHOTOGRAPHS

Selected aerial photographs available from The City of Phoenix Engineering Department were reviewed for an evaluation of historical conditions on the subject and adjacent properties. The photo sequence for the subject property begins in 1961. A summary of our observations is provided below.

1-9-61 - This photograph shows the subject property developed with several residential structures and what appears to be a service station in the southeast corner. Surrounding properties are residential to the north and west and vacant land and service stations to the south and east. A canal defines the western boundary of the subject property.

8-21-64 - This photograph shows that the service station at the southeast corner of the site in the 1961 photo has been removed and what appears to be a second service station has been constructed in its place. No other significant change to the subject property is noted.

5-10-71 - This photograph shows no significant change to the subject property or surrounding areas to the north, south, and west from the 1964 photo.

4/5/75 - These photographs show no significant change to the subject parcels or surrounding areas to the north, south, and west from the 1964 photo. The area to the east of the site appears to be a paved parking area.

5-8-78 - This photograph shows that the service station at the southeast corner of the east parcel has been removed and replaced with two structures and an asphalt parking area. A single fuel island is still discernable on the south side of this asphalt area. The canal to the west appears to have been widened.

7-9-82 - These photographs show no significant changes to the subject property or surrounding area from the 1978 photo, with the exception of the addition of a single structure adjacent to the western boundary of the west parcel.

2-20-86 - These photographs show no significant changes to the subject property or surrounding area from the 1978 photo.

7-10-91 - This photograph shows the subject property and surrounding area essentially as it was seen during the site visit. The fuel island and one of the buildings on the southeast corner of the east parcel have been removed.

5.2 CITY DIRECTORIES

Several structures were historically or are currently present on the subject property. The site carries the address designations of 1616 and 1620 North 48th Street, and 4718, 4740 and 4748 East McDowell Road. With the exception of 4748 E. McDowell Road, review of city directories revealed that all other addresses private residential tenancy. A chain of tenancy for 4748 E. McDowell Road is shown below

YEAR	4748 E. MCDOWELL ROAD
-1949	No listing
1950	Kukucz Service Station
1951-58	Mackays Gulf
1959	Woods Gulf
1960	(No directory access)
1961-72	Johnnies Humble (Euco)
1973-75	No Listing
1976	Val & Hal Auto Repair
1977	No Listing
1978-Present	7-Eleven Foods

5.3 U.S. GEOLOGICAL SURVEY TOPOGRAPHIC MAPS

CEC/WRA reviewed the USGS topographic map, Tempe, Arizona Quadrangle, dated 1952 and photo revised in 1982, to evaluate evidence of historical development on the subject property. This review indicated that the subject property is located in a developed area of Phoenix. No specific details were depicted for the subject property.

6.0 REGULATORY RECORDS REVIEW

6.1 U.S. ENVIRONMENTAL PROTECTION AGENCY

CERCLA Federal Superfund Sites - Review of the United States Environmental Protection Agency (USEPA) "Superfund" Program National Priorities List (NPL) of sites in Arizona indicates that the subject property is located within a 0.5 miles northwest of a Federal Superfund site.

The Motorola 52nd Street Site is located at the southwest corner of 52nd Street and McDowell Road. According to ADEQ's "Motorola's Superfund Site Update," ground-water contamination has been confirmed in the area of the subject site (ADEQ, 1992). According to ADEQ, the plume of volatile organic compounds (VOCs) that have contaminated the ground water extends for three or more miles to the southwest of the Motorola facility. The subject property lies down and off-gradient of the source. Available information indicates that the contaminant plume may pass underneath the property. The depth to ground water under the plant is about 20 feet and increases with distance west of the plant, to about 60 feet at Van Buren and 32nd Streets (ADEQ, 1992).

No additional NPL sites were found within a two-mile radius of the subject property.

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) - This list includes sites which have been reported to EPA as candidates for investigation under the federal Superfund program. Three CERCLIS sites were found within a 0.50-mile radius of the subject property. Specific information concerning these sites is detailed below.

EPA ID#	Facility	Address	Approximate Location Relative to Site
AZD981688286	Cactus Transmission	4737 E. McDowell	Across McDowell to SW
AZD035891316	Marina del Sol	4931 E. McDowell	0.25 miles east
AZD009004177	Motorola, Inc.	5005 E. McDowell	0.25 miles east

RCRA Database - The Resource Conservation and Recovery Act (RCRA) database list includes facilities that are involved in the generation, transport, treatment, or disposal of hazardous waste and have been assigned an EPA identification number. Inclusion of a facility on this list does not necessarily mean that the site is contaminated or causing contamination. Review of the RCRA database indicated three registered RCRA facilities within a 0.50-mile radius of the subject property.

EPA ID#	Facility	Address	Approximate Location Relative to Site	Category
AZD982507394	K.B.C. Eastsite	4820 E. McDowell	.25 mile east	small quantity generator
AZD009004177	Motorola, Inc.	5005 E. McDowell	.25 mile east	large quantity generator
AZD981636616	Highlander Center	1621 N. 44th Street	0.5 mile west	large quantity generator

SARA Title III Notifiers - The Superfund Reauthorization and Amendments Act (SARA) requires facilities which use, handle or store significant quantities of hazardous substances to prepare plans for potential emergencies involving those substances. SARA also requires the facilities to notify the public concerning these plans and to register with the USEPA. Review of the USEPA Toxic Release Inventory for 1987 through 1990, a list of registered SARA Title III notifiers, indicated that two facilities occurred within a 0.50-mile radius of the subject property. These facilities are Marina Del Sol at 4931 E. McDowell Road and Motorola, Inc. at 5005 E. McDowell Road.

Facility Index System - Review of the USEPA Facility Index System (FINDS), an inventory of facilities regulated by the EPA, indicated that there are two FINDS site located within a 0.50-mile radius of the subject property. These sites are the Motorola, Inc. facility located at 5005 E. McDowell Road, and Cactus Transmission located at 4737 E. McDowell Road.

Emergency Response Notification System - Review of the USEPA Emergency Response Notification System (ERNS), which lists hazardous materials spills, threats, fires, and incidents, indicates that no reported ERNS incidents have occurred on the subject property.

6.2 ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Underground Storage Tanks - According to the ADEQ list of registered underground storage tanks (UST), twelve registered UST facilities are located on or within a 0.50-mile radius of the subject property. The ADEQ information concerning these registered tanks is listed below:

ADEQ ID#	Facility Name/Address	No. USTs	Status	Approximate Location Relative to Site
0-004639	7-Eleven Store #19650 4748 E. McDowell Road	3	removed	subject Property
0-005437	Circle K #2891 5146 E. McDowell Road	2	current	0.25-miles east
0-000812	Communication Consultants, Inc.	2	current	0.25-miles west
0-0006816	Koll Business Center East Side 4802 E. McDowell Road	2	removed	1/8 mile east
0-006456	Maricopa County Civil Defense 2035 N. 52nd St.	1	current	0.5-miles east
0-003318	Motorola, Inc. 5005 E. McDowell Road	4	removed	0.25-mile east
0-006455	Papago Auto Service 5149 E. McDowell Road	4	removed	0.5-miles east
0-006931	St. Francis Cemetery 5005 E. Oak Street	1	removed	0.25-miles north
0-005313	Unocal 6062 4352 E. McDowell Road	3	temp.	1/2 mile west
0-003779	Phillips 66 #024629 4401 E. McDowell Road	4	temp.	1/2 mile west
0-000812	Norstan Communication 4561 E. McDowell Road	2	current	1/8 mile west
0-03230	Mobil 18-KEA 4402 E. McDowell Road	3	removed	1/2 mile west

Review of the ADEQ list of leaking underground storage tanks (LUST) indicates that seven reported LUST incident have occurred within a 0.50-mile radius of the subject property. Information regarding these incident is listed below.

ADEQ Case #	Facility Name Address	Date Requested	ADEQ Status	Approximate location relative to site
0004639*4715.0822	7-Eleven Store #19650 4747 E. McDowell Road	07-20-89	open	subject property
0006816*4715.0867	Koll Business Center East Side 4802 E. McDowell Road	08-10-89	open	1/8 mile east
0006455*4715.1167	Papago Auto Service 5149 E. McDowell Road	03-16-90	open	0.5-miles east

ADEQ Case #	Facility Name Address	Date Requested	ADEQ Status	Approximate location relative to site
0006931*4715.1375	St. Francis Cemetery 5005 E. Oak Street	07-13-90	open	0.5-miles north
0000501*4715.0939	AA Arco #6009 4357 E. McDowell Road	11-15-89	open	1/2 mile west
0-003230*4715.0271	Mobil 18-KEA 4402 E. McDowell Road	01-19-87	open	1/2 mile west
0-005313*4715.0914	Unocal #6062 4325 E. McDowell Road	02-05-84	open	1/2 mile west

Review of the ADEQ LUST file for the 7-Eleven store on the subject property indicated that low level hydrocarbon (TPH) soil contamination was discovered in subsurface borings in May 1989 by the City of Phoenix as part of a McDowell Road widening project. Tank tightness test results and inventory reconciliation records, which indicated no tank problems, were sent from 7-Eleven to ADEQ in October 1989. Two 8,000 gallons and one 10,000 gallon USTs were subsequently removed from the site in November of 1989 by Groundwater Technology, Inc. (GTI). According to the GTI report, the tanks were in good condition at removal and the investigation concluded that contamination found did not originate from the existing USTs. A second subsurface boring program was performed at the former tank location in April of 1990 and revealed TPH levels above detection limits but below the action level of 100 mg/kg.

Review of City of Phoenix Fire prevention records indicated installation and removal permits for 2-8,000 gallon and one 10,000 gallon USTs in 1977 and 1989 respectively. Also revealed was an installation permit dated 1962 and granted to Kennedy's Enco for 5-6,000 gallon and one waste oil USTs.

Review of city directories for Phoenix confirmed the occupancy of the subject address by both 7-Eleven and Enco during the approximate dates that the permits were issued. The directories also revealed the presence of a Gulf Service Station between 1951 and 1959. Prior to 1950 there was not address designation of 4748 E. McDowell Road. No installation or removal permits for tanks associated with F.J. Kukucz or Gulf were found and no removal permits for Enco were found.

Water Quality Assurance Revolving Fund - Review of the ADEQ project list for the Water Quality Assurance Revolving Fund (WQARF) indicates that the subject property is located within a 2-mile radius of the following WQARF study areas.

WQARF Study Area	Approximate Location	Approximate Location Relative to Site
East Central Phoenix	Area bounded by Camelback Road, 48th Street, Thomas Road and 24th Street	0.5-miles northwest
East Washington	Area bounded by Thomas Road, 48th Street, Lower Buckeye Road and 7th Avenue	< 0.25-miles west
Sky Harbor	Airlane and 44th Street	2 miles southwest

Details covering the study areas are provided below:

- The East Washington Study Area is bounded by Thomas Road on the north, 48th Street on the east, Lower Buckeye Road on the south and 7th Avenue on the west. The subject property occurs within the East Washington WQARF Study Area. VOCs have been detected in ground water at levels which exceed drinking water standards in wells located south of McDowell Road and west of 48th Street, approximately 100 feet south of the subject property. The observed contamination may represent the Motorola plume, as previously discussed. To date, owners or operators of the subject property have not been identified as potentially responsible parties for the observed contamination (Kleinfelder, 1989).
- The Sky Harbor Study Area is bounded by Air Lane on the north, 44th Street on the east, the Salt River on the south, and 24th Street on the west. The subject property lies approximately 2-miles north of the Sky Harbor Area. Although VOCs have been detected in ground water in the Sky Harbor Study Area, this contamination does not appear to have an impact on the subject property.
- The East Central Phoenix Study Area is bounded by Campbell Avenue on the north, 48th Street on the east, Thomas Road on the south, and 28th Street on the west. The subject property lies one mile south of the southeastern corner of the East Central Phoenix Study Area. Review of the Phase I investigation report for this area revealed the presence of a low level of VOC contamination in wells near the corner of 40th Street and Thomas Road. The subject property

is located approximately 1.75 miles southeast and off-gradient from the contaminated wells. This contamination does not appear to have an impact on the subject property.

Arizona CERCLA Information and Data System - The ADEQ list entitled Arizona CERCLA Information and DATA System (ACIDS) lists sites which have been reported to, or are being investigated by ADEQ as having possible contamination. Two listed ACIDS sites are located within a 0.50-mile radius of the subject property.

EPA ID #	Facility	Address	Approximate Location Relative to Site
AZD981688286	Cactus Transmission	4737 E. McDowell	across McDowell Road to the south
AZD009004177	Motorola, Inc.	5005 E. McDowell	0.25 miles east

Open/Closed Landfills - ADEQ maintains a list of active municipal solid waste landfills (MSWLF), rubbish landfills (RLF), and private solid waste landfills (PSWLF). Review of the ADEQ list dated February 1993 indicated that no active landfills facilities are currently located within a 2-mile radius of the subject property.

Review of the ADEQ list of closed solid waste landfills (CSWLF) and closed solid waste open dumps (CSWOD), dated February 1993, indicated that no closed landfills are located within a 2-mile radius of the subject property. Information regarding these landfills is summarized below.

Registered Dry Wells - State rules require owners to register all dry wells on their property with ADEQ. The Water Permits Unit of ADEQ maintains a list of all dry wells that have been registered with the state to date. According to ADEQ records, there are no registered dry wells within a 0.50-mile radius of the subject property. No dry wells are registered at the subject property.

Arizona Hazardous Waste Treatment, Storage and Disposal Facilities - Based on a review of the RCRA database, one listed TSDF facility is located within a 0.50-mile radius of the subject property. This facility is Motorola located at 5005 E. McDowell Road.

RCRA Compliance Log - The RCRA Compliance Log, maintained by ADEQ, lists facilities which have been reported to be in violation of RCRA hazardous waste regulations. Review of the log indicated no listed facilities within a 0.50-mile radius of the subject property.

HAZARDOUS MATERIALS INCIDENTS

Review of the ADEQ Emergency Response Unit HAZMAT Incident Logbook, which lists hazardous materials spills, threats, fires, and incidents, indicated that from 1984 through 1991, three reported HAZMAT incidents have occurred within a 0.5-mile radius of the subject property. Specific information regarding these incidents is listed below.

Date	Number	Name & Address	Type/Amount	Clean Up	Approximate Location Relative to Site
07/12/90	90-070A	2515 N. 48th Street	drug lab chemicals/1 lb.	no	0.25-miles north
7/12/90	90-069B	2515 N. 48th Street	drug lab chemicals/1 lb.	no	0.25-miles north
07/22/91	91-110C	Motorola, Inc. 5005 E. McDowell	1,1,1-TCE/1 lb.	no	0.25-miles east

6.3 ARIZONA DEPARTMENT OF WATER RESOURCES

According to ADWR, there are 72 registered wells located within a 0.50-mile radius of the subject property. Specific information concerning the wells is listed below.

Location	Owner	Registration Number	Depth (ft)	Diameter (in)	Well Use	Drill Date	Approximate Location Relative to Site
A(2-4)31 ACD	Thomas Mall Partnership	WR 519512	29	2	P	11/04/87	> 0.25-miles northwest
A(2-4)31 ADD	Maricopa County Flood Control District	WR 530537	25	NL	G	01/23/91	0.25-miles northwest
A(2-4)31 DD	Gerald Morgan 4626 E. Granada	WR 650584	NL	NL	W	06/16/82	0.25-miles southwest
A(2-4)31 DDA	Maricopa County Flood Control District	WR 530538	27	2	P	01/29/91	< 0.25-miles southwest
A(2-4)31 DDA	ADEQ	WR 534437	NL	NL	Q	02/12/92	< 0.25-miles southwest
A(2-4)31 DDC	Motorola	WR 532116	125	5	Q	05/27/91	0.25-miles southwest
A(2-4)31 DDD	Motorola	WR 514171	124	6	O	05/27/91	0.25-miles southwest
A(2-4)31 DDD	Maricopa County Flood Control District	WR 530539	25	dry	G	01/23/91	0.25-miles southwest

Location	Owner	Registration Number	Depth (ft)	Diameter (in)	Well Use	Drill Date	Approximate Location Relative to Site
A(2-4)32 CCC	Koll Co.	WR 526148	42	4	Q	10/23/89	0.25-miles south
A(2-4)32 CCC	Koll Co.	WR 526149	42	4	Q	10/23/89	0.25-miles south
A(2-4)32 CCC	Koll Co.	WR 526150	42	4	Q	10/23/89	0.25-miles south
A(1-4)5 BBA	Motorola	WR 530936	220	4	Q	05/25/91	0.25-miles south
A(1-4)5 BBB	Motorola	WR 513174	22	4	O	01/28/86	0.25-miles south
A(1-4)5 BBB	Motorola	WR 513904	331	4	O	05/09/86	0.25-miles south
A(1-4)5 BBC	Motorola	WR 506103	250	2	P	09/29/83	< 0.5-miles south
A(1-4)5 BBC	Motorola	WR 506104	165	10	O	09/15/83	< 0.5-miles south
A(1-4)5 BBC	Motorola	WR 509759	52	10	OU	01/09/85	< 0.5-miles south
A(1-4)5 BBC	Motorola	WR 530935	390	10	Q	06/23/91	< 0.5-miles south
A(1-4)6 AAB	Motorola	WR 506304	260	NL	O	10/20/83	0.5-miles southwest
A(1-4)6 AAB	Motorola	WR 506331	257	10	O	09/28/83	0.5-miles southwest
A(1-4)6 AAB	Motorola	WR 506332	250	10	U	10/02/83	0.5-miles southwest
A(1-4)6 AAB	Motorola	WR 513332	80	4	U	02/14/86	0.5-miles southwest
A(1-4)6 AAB	Motorola	WR 513333	80	4	U	02/19/86	0.5-miles southwest
A(1-4)6 AAB	Motorola	WR 513334	80	4	U	02/14/86	0.5-miles southwest
A(1-4)6 AAB	Motorola	WR 513905	110	NL	U	04/12/86	0.5-miles southwest
A(1-4)6 AAB	Motorola	WR 513585	118	14	W	11/23/91	0.5-miles southwest
A(1-4)6 AAB	Motorola	WR 513586	120	14	W	11/13/91	0.5-miles southwest
A(1-4)6 AAB	Motorola	WR 513587	140	14	W	11/09/91	0.5-miles southwest
A(1-4)6 AAC	Motorola	WR 506306	257	10	OU	09/28/83	0.5-miles southwest
A(1-4)6 AAC	Motorola	WR 531588	145	14	W	10/30/91	0.5-miles southwest
A(1-4)6 AAC	Motorola	WR 531589	167	6	W	10/25/91	0.5-miles southwest
A(1-4)6 ABA	Motorola	WR 509760	265	5	Q	06/07/91	0.5-miles southwest
A(1-4)6 ABA	Motorola	WR 531113	45	4	Q	10/17/90	0.5-miles southwest
A(1-4)5 BAA	Motorola	WR 531804	254	NL	Q	06/08/83	0.25-miles southeast
A(1-4)5 BAA	Wes Trust	WR 531826	64	4	Q	06/19/91	0.25-miles southeast
A(1-4)5 BAA	Wes Trust	WR 531827	64	4	Q	6/20/91	0.25-miles southeast
A(1-4)5 BAA	Wes Trust	WR 531828	60	4	Q	06/21/91	0.25-miles southeast
A(1-4)5 BAB	Motorola	WR 504823	45	NL	U	02/11/83	0.25-miles southeast
A(1-4)5 BAB	Motorola	WR 504824	165	10	M	06/01/83	0.25-miles southeast
A(1-4)5 BAB	Motorola	WR 505950	80	8	O	09/12/83	0.25-miles southeast
A(1-4)5 BAB	Motorola	WR 505951	200	8	O	09/28/83	0.25-miles southeast
A(1-4)5 BAB	Motorola	WR 513176	61	4	O	02/06/86	0.25-miles southeast
A(1-4)5 BAB	Motorola	WR 514169	123	6	O	05/04/86	0.25-miles southeast
A(1-4)5 BAB	Motorola	WR 514170	124	10	O	05/07/86	0.25-miles southeast
A(1-4)5 BAB	Motorola	WR 527636	105	6	Q	04/21/90	0.25-miles southeast
A(1-4)5 BAB	Motorola	WR 527637	105	6	Q	04/25/90	0.25-miles southeast
A(1-4)5 BAB	Motorola	WR 529836	170	NL	Q	04/11/83	0.25-miles southeast

6.4 UTILITY RECORDS

Electrical power in the vicinity of the subject property is provided by Salt River Project (SRP). During the on-site survey, two transformers, one pad mounted and one pole mounted, were observed on the subject property. These transformers were clean and no leakage was observed. Based on the SRP numerical identification, the pad mounted transformer (#126626) is considered PCB free. No identification was observed on the pole mounted transformer.

7.0 CONCLUSIONS AND RECOMMENDATIONS

This assessment confirmed that the subject property is currently an approximately 3 acre triangular parcel located at the northwest corner of 48th Street and McDowell Road.

Site observations by CEC/WRA did not reveal evidence of use, storage, or disposal of hazardous or regulated substances from current on-site activities. The 7-Eleven store, however, is currently the subject of an open Leaking Underground Storage Tank (LUST) investigation. The 7-Eleven USTs were removed in 1989. A subsurface investigation conducted in the vicinity of the USTs prior to removal detected low level hydrocarbon contamination. Additionally, review of city directories and City of Phoenix Fire Department records revealed historical evidence of two service stations (ENCO and Gulf) located at the subject site prior to 7-Eleven stores. Although some anecdotal evidence was found in the LUST investigation file review to indicate that previous tanks had been removed, no documentation of tank removal was found for the ENCO or Gulf facilities by CEC/WRA.

Based on site observations and records reviews, CEC/WRA recommends consultation with ADEQ to determine the present status of the investigation and a magnetometer survey of the parcel surrounding the 7-Eleven store to determine whether any former USTs remain on the property. A subsurface investigation to confirm or deny hydrocarbon contamination at the 7-Eleven site is also recommended.

The subject property is located immediately north of the study boundaries of the East Washington Water Quality Assurance Revolving Fund (WQARF), or "State Superfund" study area. Although no data were available to judge the quality of ground water directly below the subject property, volatile organic contaminants (VOCs) have been detected in ground water at levels which exceed drinking water standards in wells located south of McDowell Road and west of 48th Street, approximately 0.25 mile southwest and down-gradient from the subject property. Owners or operators of the subject property have not been identified as potentially responsible parties for the observed contamination (Kleinfelder, 1989).

The subject property is located approximately 0.5 miles west of a Federal Superfund Site. The Motorola 52nd Street Site is located at the southwest corner of 52nd Street and McDowell Road. According to the Arizona Department of Environmental Quality (ADEQ), the plume of VOC-contaminated ground water extends for three or more miles to the southwest of the Motorola facility. Although the subject property currently lies up-gradient of the source, the available information indicates that due to ground-water

shifts, the contaminant plume may pass underneath the property. It is possible that the contamination discussed as part of the East Washington WQARF investigation represents the Motorola plume.

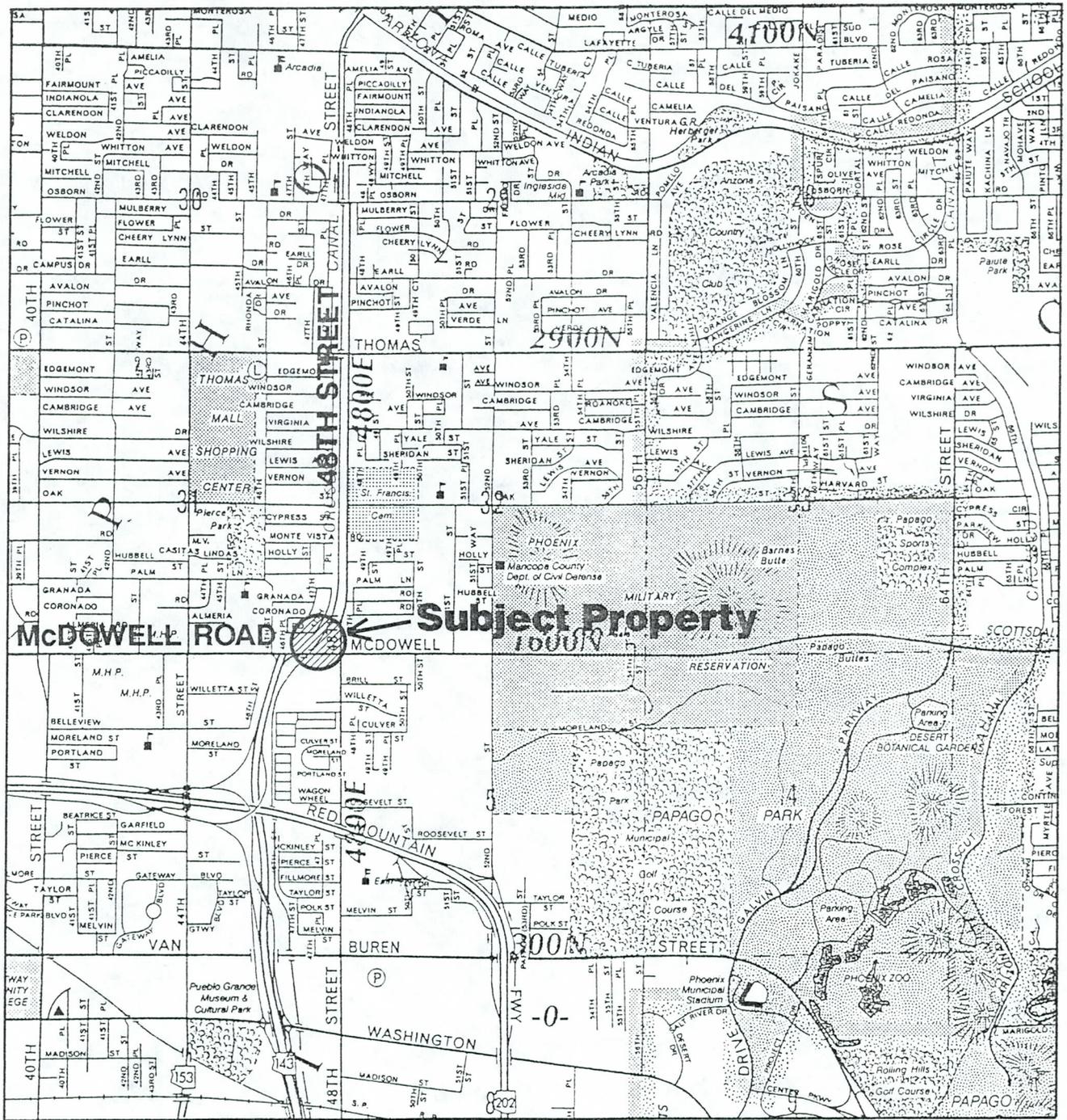
Our records review and site observations revealed no other significant evidence to suggest the potential presence of hazardous substances on the subject property at this time.

No further investigation of the subject property, other than that described above, is recommended at this time.

8.0 REFERENCES

- ADEQ. 1993. List of Active Landfills. Arizona Department of Environmental Quality. March 1993.
- ADEQ. 1993. Closed Solid Waste Landfills and Dumps. Arizona Department of Environmental Quality, March 1993.
- Aerial Photography, City of Phoenix, 1961 - 1991.
- Arizona CERCLA Information and Data System, Arizona Department of Environmental Quality, Office of Waste Programs, September 30, 1991.
- Brown, James G. and D. R. Pool. 1989. Hydrogeology of the western part of the Salt River Valley area, Maricopa County, Arizona. U.S. Geological Survey.
- CERCLIS. 1992. Arizona List-8, Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS). October 26, 1992.
- Dry Well Registration List, Arizona Department of Environmental Quality, September 7, 1990.
- Emergency Response Notification System (ERNS), U.S. Environmental Protection Agency, January 2, 1993.
- Facility Index System (FINDS) Database, U.S. Environmental Protection Agency, June 17, 1993.
- Leaking Underground Storage Tank (LUST) List, Arizona Department of Environmental Quality, October 19, 1991.
- RCRA Compliance Log, Arizona Department of Environmental Quality, October 6, 1991.
- Resource Conservation Recovery Act (RCRA) Database, Arizona Department of Environmental Quality, October 6, 1991.
- State Underground Storage Tank (UST) List, Arizona Department of Environmental Quality, October 1, 1991.
- Toxic Release Inventory (TRI), U.S. Environmental Protection Agency, 1987-1990.
- Water Quality Assurance Revolving Fund (WQARF) Sites, Arizona Department of Environmental Quality, May 1990.
- Well Registry, Arizona Department of Water Resources, August 1989.

FIGURES



0 1/2 Mile

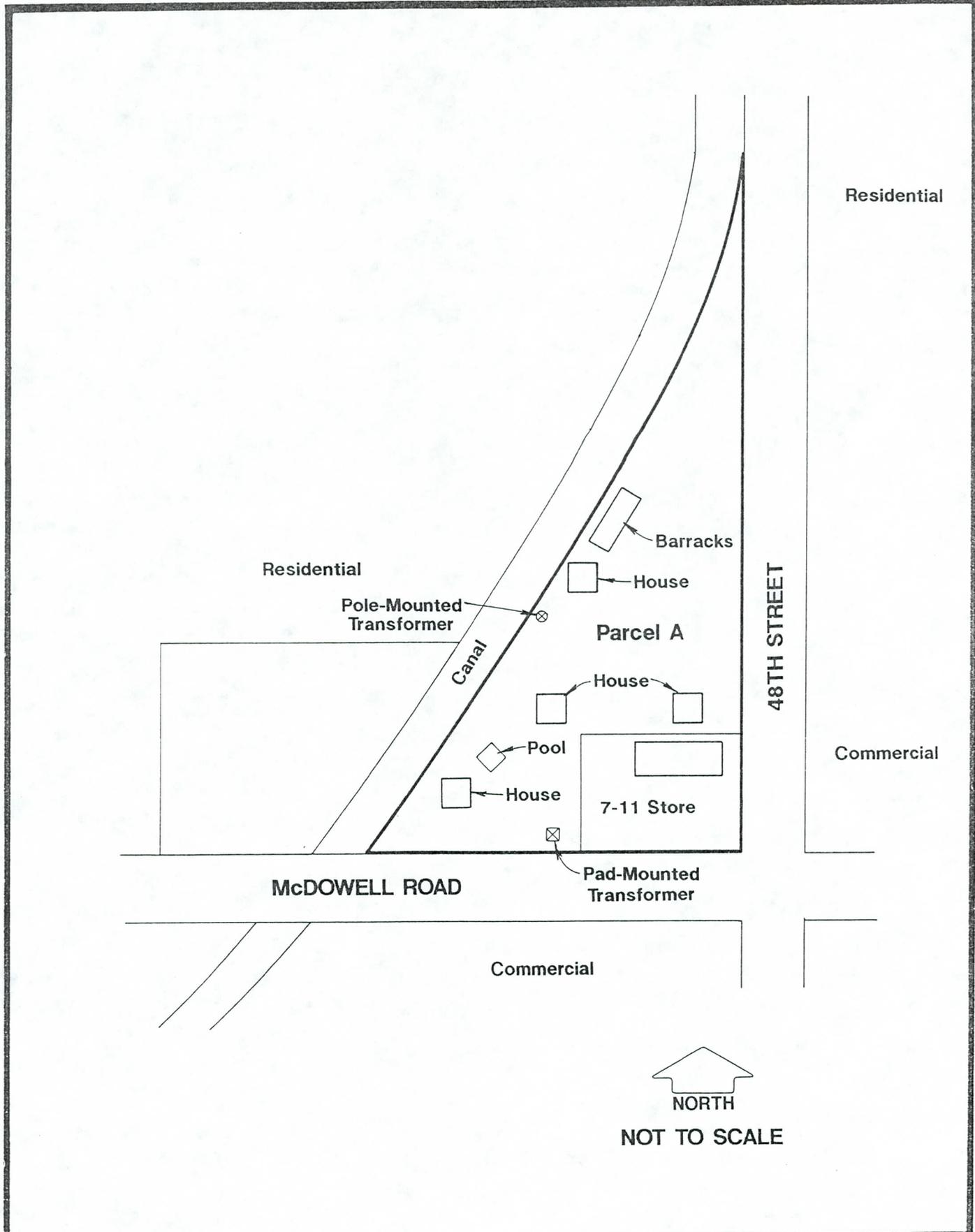
Water Resources Associates, Inc.

A Subsidiary of Yellowstone Environmental Services, Inc.

VICINITY MAP

FIGURE 1

PROJECT NO. AR390-2094 DRAWN BY KMA
 DATE 12/3/93 CHECKED BY BEC



Residential

Residential

Pole-Mounted
Transformer

Canal

Barracks

House

Parcel A

House

House

Pool

House

7-11 Store

48TH STREET

Commercial

McDOWELL ROAD

Pad-Mounted
Transformer

Commercial



NORTH

NOT TO SCALE

Water Resources Associates, Inc.	
A Subsidiary of Yellowstone Environmental Services, Inc.	
PROJECT NO. AR390-2094	DRAWN BY KMA
DATE 12/3/93	CHECKED BY BEC

SITE MAP

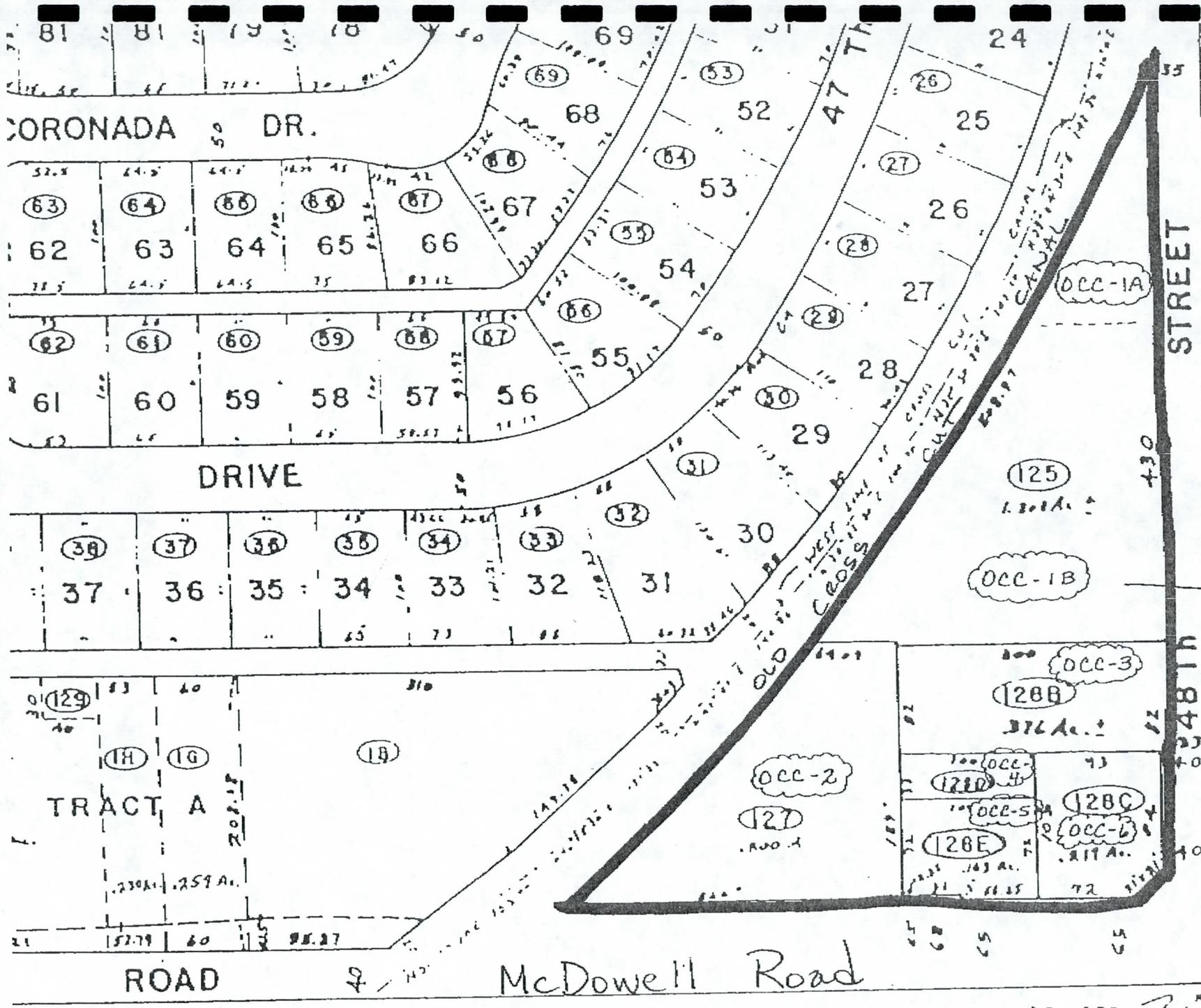
PARCEL A

FIGURE 2

APPENDICES

APPENDIX A

Plat Maps



1-20-77	18
2-18-77	12, 13, 14
4-2-77	123
7-11-77	128C
7-11-77	128E
4-5-78	1C
4-5-78	45
5-1-78	127
7-17-78	1F

Book MAP
126-10

Survey
Limit
Area

- OCC-1A
- 1B
- 2
- 3
- 4
- 5
- 6

N 89° 31' E

1315.20

SE COR SEC 7

16/27/93 11:41 602 508 4801 MARIJOYA CO. FLD 002/000

APPENDIX B

Fire Department Records

USE BLACK INK ONLY

CITY OF PHOENIX
FIRE DEPARTMENT

DM. OIC

PAGE

PLEASE PRINT
PLACE X ONLY IN BOXES

OCCUPANCY ACTIVITY REPORT

CAD _____ OIS _____

1 OF _____

OCC. CLASS	ADDRESS NO. 4748	DIR. EMC DOWELL	STREET NAME	TYPE RD#	SUITE OR UNIT	CITY	MONTH 10	DAY 25	YEAR 89
NFPA CLASS	STATE LIC. REQ.	PERMITS REQUIRED	OCCUPANCY LOAD		NO. OF UNITS OR SUITES	PRIORITY	AREA OF RESPONSIBILITY		
YES <input type="checkbox"/> NO <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>		DAY	NIGHT				

SO FT OF OCC	STORIES	BASEMENTS	EMERGENCY LIGHTING		LOCK BOX	FIRE LANES	GUARD DOGS
		LEVELS	SO. FT.	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>
ELEVATORS # OF	# WITH FIREMAN FEATURE	EXIT PLANS	EXIT DRILLS	STANDPIPE SYSTEM	HOUSE LINES	FIRE PUMPS	HOOD SYS
		YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	WET <input type="checkbox"/> DRY <input type="checkbox"/> NONE <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>

AUTOMATIC SPRINKLER SYS	UNSUPERVISED <input type="checkbox"/>	SUPERVISOR NAME		PHONE	PREVIOUS FIRE HISTORY
FULL <input type="checkbox"/> PART <input type="checkbox"/> NONE <input type="checkbox"/>					YES <input type="checkbox"/> NO <input type="checkbox"/>
FIRE ALARM SYSTEM	UNSUPERVISED <input type="checkbox"/>	SUPERVISOR NAME		PHONE	SEARCH WARRANT USED
YES <input type="checkbox"/> NO <input type="checkbox"/>					YES <input type="checkbox"/> NO <input type="checkbox"/>

HAZARDOUS MATERIAL	BUILD PLACARDED	EXPLOSIVES TYPE		EXPLOSIVE MAGAZINES	
YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	NONE <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>	
FLAMMABLE LIQUID	UG GALS	LP GAS	AG GALS	UG GALS	
AG GALS					
RESPONSIBLE PARTY	HOME PHONE	GROUP INSPECTION NUMBER	COMPLETED INSP. DATE		
RESPONSIBLE PARTY	HOME PHONE	INSP. HRS.	BUILD. DRAW REQUIRED	DRAWING COMPLETED	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	

PROPERTY MANAGEMENT			
OCCUPANCY NAME	PHONE	BUSINESS OWNER'S NAME	HOME PHONE
7-11 STORE			
BUILD/PROPERTY OWNER'S NAME	HOME PHONE	INSURANCE COMPANY NAME	PHONE
RESPONSIBLE PARTY	FIRST NAME	MIDDLE INITIAL	LAST NAME
ADDRESS	HOME PHONE	STATE	DRIVER'S LIC. NO.
			SOCIAL SECURITY NUMBER

THE FOLLOWING ITEMS ARE IN VIOLATION

EXIT REQUIREMENTS		9. EXIT SIGNS	FIRE PROTECTION		BUILDING & GROUNDS	
1. NUMBER REQUIRED		10. AISLES	16. FIRE DEPARTMENT CONNECTIONS	24. DRY VEGETATION		
2. DOOR WIDTH		HAZARDOUS MATERIALS		17. AUTOMATIC SPRINKLERS	25. TRASH CONDITIONS	
3. LOCKS, LATCHES		11. HAZARDOUS CHEMICALS	18. AUTOMATIC EXTINGUISHING SYSTEM	26. FIRE LANES		
4. DOOR SWING		12. FLAMMABLE LIQUID STORAGE	19. PORTABLE EXTINGUISHERS	27. EMERGENCY LIGHTING		
5. POWER OPERATED DOORS		13. L.P. GAS	20. HYDRANTS	28. DECORATIVE MATERIALS		
6. OBSTRUCTIONS		14. EXPLOSIVES	21. FIRE ALARM SYSTEM	29. OPEN FLAME DEVICES		
7. TRAVEL DISTANCE TO EXIT		15. PERMIT #	22. FIRE DOORS	30.		
8. TURNSTILES		PERMIT #	23. STAND PIPE	31. OTHER — SPECIFY IN REMARKS		

ITEM NO.	FIRE CODE SECTION	SPECIFICATION REFERENCE #	REMARKS	CORRECTION REQ'D. BY (DATE)	RECHECK DATE	CORRECTED (DATE)
		58248				
permit for the removal of underground tank (s) 3-10,000* . dry ice will be used to inert the tanks @ 25 lbs. per 1,000 gallons capacity. All work shall conform to Regulation 16-B. Fire Inspector will observe the icing of all tanks, 48 hour notice required to schedule purging date. Call 262-6771 to schedule drive-by to verify tank removal, request Car # 343 . DATE: 11-13-89 monday CONTRACTOR: wright Excavation PERMIT FEE \$ 200.00 TIME: 2:30 pm PHONE: Jim 968-3312 ISSUE DATE: 10-25-89 CHECK # 5232 CLERK: [Signature] THIS PERMIT NON TRANSFERRABLE						

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

COPY RECEIVED BY [Signature]	DATE 10-25-89	COMPANY INSPECTOR (NAME) [Signature]	STATION NO. FP
REFERRED TO F.P. INSPECTOR (NAME)	TURNOVER DATE	REFERRED TO CITY PROSECUTOR BY	DATE
			FIRE INCIDENT REPORT NO.

CITY OF PHOENIX, ARIZONA
FIRE DEPARTMENT
DIVISION OF FIRE PREVENTION
PERMIT

To maintain, store or handle materials, or to conduct processes and businesses which produce conditions hazardous to life or property, or to install equipment used in connection with such activities.

NO. 1-182V

DATE 2-23-77

TO WHOM IT MAY CONCERN:

By authority of the Fire Prevention Code of the City of Phoenix, and because the conditions, surroundings and arrangements of the property described below can comply with said code, authority is hereby granted to proceed with the activity described.

OWNER- 7-11 Corp CONTRACTOR Copper State Bldg.

OCCUPANT 4744 E Mrs. Dorell

ADDRESS 4744 E Mrs. Dorell

PURPOSE OF PERMIT To install 2-5000 gal + 1-10000 gal
ultra tanks all work + plumbing to comply
with existing city of Phoenix code as per
plan on file

This permit is issued and accepted on the condition that all regulations now in effect or hereafter adopted shall be complied with. The Permittee also agrees to periodic inspections of buildings and premises at reasonable hours. Permit may be revoked for noncompliance. Permits shall at all times be kept on the premises designated therein and shall at all times be subject to inspection by any officer of the Fire or Police Department.

THIS PERMIT DOES NOT TAKE THE PLACE OF ANY LICENSE REQUIRED BY LAW AND IS NOT TRANSFERABLE. ANY CHANGE OF USE OR OWNERSHIP SHALL REQUIRE A NEW PERMIT.

[Signature]
PERMITTEE

[Signature]
FIRE MARSHAL

9030-7-x
Rev. 10-57

CITY OF PHOENIX, ARIZONA
FIRE DEPARTMENT
FIRE PREVENTION DIVISION
PERMIT

For Keeping, Storage, Use, Manufacture, Handling, Transportation, or other Disposition of Highly Inflammable, Combustible, or Explosive Materials, as Stated Below:

No. 937 June 17, 1962
(DATE)

TO WHOM IT MAY CONCERN:

By virtue of the provisions of the Fire Prevention Regulations of the City of Phoenix, Kennedy's Concrete
(NAME OF CONCERN)

No. 4744 Street C. M. Powell conducting a Storage Station
(BUSINESS)

having made application in due form, and as the conditions, surroundings, and arrangements are, in my opinion, such that the intent of the Regulations can be observed, authority is hereby given and this PERMIT is GRANTED for
Storage of concrete blocks and materials in the building
located at the above address

This PERMIT is issued and accepted on condition that all Regulations now adopted, or that may hereafter be adopted, shall be complied with.

THIS PERMIT DOES NOT TAKE THE PLACE OF ANY LICENSE REQUIRED BY LAW AND IS NOT TRANSFERABLE. ANY CHANGE IN THE USE OR OCCUPANCY OF PREMISES SHALL REQUIRE A NEW PERMIT.

[Signature]
FIRE MARSHAL

CURB W/ EPOXY (TYP.)

LANDSCAPING
BIN (2250 S.F.)

PLASTIC BUTTONS
@ 24" O.C. (TYP.)

9 SPACES @ 10'-0" = 90'-0"

5" CONG. SLAB
O/ 4" ABC FILL

LANDSCAPE
(375 S.F.)

EXIST. 4" PIPING
Water to Island

Closed Cir. T.V.

8m
PAVMT
OVER 4" ABC FILL
8m
78'-0"
10m
T-ELVEN
POLE SIGN

LANDSCAPE
(520 S.F.)

WATER
METER

LANDSCAPE
(220 S.F.)

EXIST. SEWER TAPE
VERIFY SIZE &
LOCATION

PL 172.00'

WATER METER
1" EXIST.

MCDONNELL RD.

PL 196.0

7'
20'

24" O.C.
10'-0"
10'-0"
10'-0"

16'

8m

8m

10m

78'-0"

8"

8"

48"

8"

8"

8"

11'

8"

8"

8"

2

2

2

2

5

11'

11'

K

L

S

F

015215

1100 1100



APPENDIX C

Site Photographs

Appendix C
Site Photographs

PHOTOGRAPH

DESCRIPTION

- | | |
|---|--|
| 1 | 7-Eleven store at southeast corner of subject property |
| 2 | Northeast corner of subject property viewing south |
| 3 | Northeast corner of subject property viewing southwest |
| 4 | Barracks building on subject property |
| 5 | Residence on subject property |
| 6 | Residence on subject property |
| 7 | Residence on subject property |
| 8 | Pad mounted SRP transformer on subject property |



Photograph No. 1

7-11 store at southeast corner of subject property



Photograph No. 2

Northeast corner of subject property viewing south



Photograph No. 3

Northeast corner of subject property viewing southwest



Photograph No. 4

Barracks building on subject property



Photograph No. 5

Residence on subject property



Photograph No. 6

Residence on subject property



Photograph No. 7

Residence on subject property



Photograph No. 8

Pad mounted SRP transformer on subject property