

EXPLORATION TRENCHING AT NEW RIVER CHANNEL

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**EXPLORATION TRENCHING FOR FURTHER
SITE CHARACTERIZATION
AT THE NEW RIVER CHANNEL
NEAR 88TH AVENUE AND THUNDERBIRD ROAD
IN MARICOPA COUNTY, ARIZONA**

Prepared For:

**Flood Control District of Maricopa County
2801 West Durango Street
Phoenix, AZ 85009**

Prepared By:

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

March 4, 1994
CEC/WRA File AR390-2121



AR390-2121.mg1

A371.943

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

March 4, 1994

Mr. Dave Gardner
Civil Engineering Technician
Flood Control District of Maricopa County
2801 W. Durango Street
Phoenix, Arizona 85009

**SUBJECT: EXPLORATION TRENCHING FOR FURTHER SITE CHARACTERIZATION AT
THE NEW RIVER CHANNEL, NEAR 88TH AVENUE AND THUNDERBIRD
ROAD IN MARICOPA COUNTY, ARIZONA**

Dear Mr. Gardner:

CEC/WRA is pleased to submit this report on further site characterization of the subject property. This report is provided in completion of the Scope of Work as described in the proposal dated January 24, 1994, which was accepted in your letter dated January 26, 1994.

If you have any questions regarding this report, please call us at (602) 248-8808. We appreciate the opportunity to complete this work for the District.

Respectfully submitted,

CEC/WRA

Mark Glotfety
Staff Environmental Technician

Alan C. Thomas
Manager
Environmental Assessment Services

Enclosure: Phase I ESA Report

cc: Edward D. Ricci, Vice President - CEC/WRA
WRA File AR390-2121.mg1

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EXECUTIVE SUMMARY

The Flood Control District of Maricopa County has retained Certified Environmental Corporation, Inc./Water Resources Associates, Inc. (CEC/WRA) to perform a sub-surface investigation at Parcel 7 located at the New River Channel approximately 1/2 mile north of Thunderbird Road at 88th Avenue in Peoria, Arizona. The work was done as a follow-up to the Phase I Environmental Site Assessment previously conducted at the subject property (CEC/WRA report dated September 21, 1993).

The investigation consisted of a series of six trenches running northeast to southwest along the east bank of the New River Channel. The work addressed a strip approximately 250 feet wide, roughly bounded on the west by the New River Channel, on the east and north by the 101 Loop, on the north by the Banff Lane alignment, and on the south by the Hearn Road alignment.

Observations of material excavated from the trenches did not reveal significant evidence to suggest the presence of hazardous substances on the subject property at the time of the excavation. No sub-surface foreign materials were encountered during the investigation. Some construction debris (concrete, cinder block, and wooden pallets) was noted among the surface soil piles on the property.

No further environmental investigation of the site is suggested at this time.

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1.0 INTRODUCTION

1.1 BACKGROUND

The Flood Control District of Maricopa County has retained Certified Environmental Corporation/Water Resources Associates, Inc. (CEC/WRA) to perform a sub-surface investigation at Parcel 7, located 1/2 mile north of Thunderbird Road at 88th Avenue, Peoria, Arizona. This work was performed in accordance with the Scope of Work outlined in the CEC/WRA proposal dated January 24, 1994. The proposal was accepted by the Flood Control District of Maricopa County in the letter dated January 26, 1994.

1.2 SCOPE OF WORK/BACKGROUND

This work was conducted as a follow-up to a Phase I Environmental Site Assessment previously conducted at the subject property (CEC/WRA reported dated September 21, 1993.) The Phase I ESA revealed a large area of piled and partially buried materials, which appeared primarily to consist of construction debris, along the western site boundary adjacent to the New River Channel. This investigation consisted of a series of six trenches placed along the north and west boundary of the property to allow visual screening for the possibility that these materials may have been buried or deposited in the sub-surface property.

1.3 LIMITATIONS

The conclusions presented herein are based on CEC/WRA interpretation of selected available data. CEC/WRA is not responsible for the accuracy of data obtained from officials of regulatory agencies, nor for discrepancies between these conclusions and future activities at the site which may result in condition not detected during this investigation. CEC/WRA's interpretations are based upon the review of selected public records, observations of specific field conditions. It should also be recognized that CEC/WRA's work was done in accordance with a reasonable 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 approximately 1/2 mile north of Thunderbird Road at 88th Avenue, Peoria Avenue. A site location map is provided as Figure 1. More generally the subject property is located in the Northwest Quarter of the Northwest Quarter of the Southeast Quarter of Section 10, Township 3 North, Range 1 East of the Gila and Salt River Baseline and Meridian.

2.2 VISUAL OBSERVATIONS

CEC/WRA personnel visited the subject property on February 15, 1994, in order to visually identify features suggesting the potential presence of hazardous materials. Mr. Dave Gardner, Civil Engineering Technician with the Environmental Branch of the Flood Control District of Maricopa County, was present during the site visit. At the time of the site visit the subject property consisted of a parcel 250' wide and 700' long bordered on the west by the New River Channel, on the east and south by farmland, and on the north by a large depression adjacent to both the subject property and the river channel. The depression contained construction and household debris. There were approximately 30 soil piles of approximately 10 cubic yards each. Construction debris (concrete blocks, cement slabs, pallets, and railroad ties), was observed partially buried in several of the soil piles.

This investigation focused on the northern half of the parcel adjacent to and among the above mentioned soil piles. A detailed sketch of the area is provided as Figure 2.

24 15 sec 17c 2

3.0 INVESTIGATION RESULTS

CEC/WRA personnel met with Mr. Dave Gardner, and personnel of G.E.C. Excavating Services on February 17, 1994 at the subject property. Six trenches were excavated by G.E.C. using a large track-hoe to allow for visual inspection of any potential debris. Trenches were excavated to depths ranging from 15 to 20 feet below ground surface. Excavation was halted at the District's direction when native material was penetrated to a depth of approximately three feet. The locations and dimensions of the trenches are shown in Figure 2.

There was no visual evidence of potential hazardous materials or construction debris in any of the six trenches excavated.

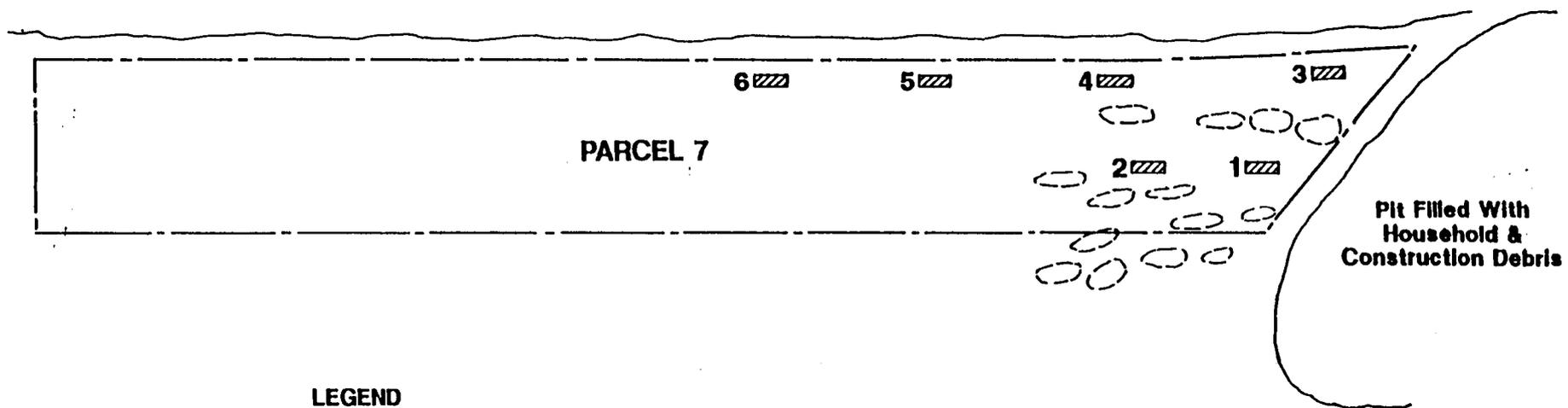
Native material → undisturbed
soil material

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on this scope of work, CEC/WRA personnel observed no significant evidence to suggest the presence of sub-surface hazardous materials on the subject property. No further investigation is suggested at this time.

FIGURES

New River Channel



LEGEND

 Trenching Locations

 Soil Piles



NOT TO SCALE

Water Resources Associates, Inc.

A Subsidiary of Yellowstone Environmental Services, Inc.

PROJECT NO. AR390-2121 DRAWN BY KMA

DATE 3/3/94 CHECKED BY MSG

SITE MAP

FIGURE 2

APPENDIX A
Site Photographs

APPENDIX A
Site Photographs

PHOTOGRAPH NO.

DESCRIPTION

- | | |
|----|--|
| 1. | View of depression adjacent to northern property boundary. |
| 2. | View of northern property boundary. |
| 3. | View of excavation trench #1 and northern property boundary. |
| 4. | View of excavation trenches 1 and 2. |
| 5. | View of excavation trenches 3 & 4, facing north along western property border. |
| 6. | View of excavation trenches 5 & 6, facing south along western property border. |

Site Photographs



Photograph #1
View of depression adjacent to northern property boundary.



Photograph #2
View of northern property boundary.

Site Photographs (cont.)



Photograph #3
View of excavation trench #1 and northern property boundary.



Photograph #4
View of excavation trenches 1 and 2.

Site Photographs (cont.)



Photograph #5

View of excavation trenches 3 & 4, facing north along western property border.



Photograph #6

View of excavation trenches 5 & 6, facing south along western property border.