

# ENGINEERING REMEDIATION REPORT

VOLUME 1: NARRATIVE REPORT AND RECORDS  
VOLUME 2: QUALITY CONTROL AND FIELD LOGS  
VOLUME 3: PROGRESS PHOTOGRAPHS  
VOLUME 4: TANK CLOSURE REPORT

FOR

UNDERGROUND STORAGE TANK REMOVAL  
BUILDING 710, HUNTER ARMY AIRFIELD  
SAVANNAH, GEORGIA  
CONTRACT NO. DACA21-93-C-0170

PREPARED BY:

PHOENIX CONSTRUCTION SERVICES, INC.  
ONE PURLIEU PLACE, SUITE 205  
WINTER PARK, FLORIDA  
32792

VOLUME 4

# ENGINEERING REMEDIATION REPORT

VOLUME 1: NARRATIVE REPORT AND RECORDS  
VOLUME 2: QUALITY CONTROL AND FIELD LOGS  
VOLUME 3: PROGRESS PHOTOGRAPHS  
VOLUME 4: TANK CLOSURE REPORT

FOR

UNDERGROUND STORAGE TANK REMOVAL  
BUILDING 710, HUNTER ARMY AIRFIELD  
SAVANNAH, GEORGIA  
CONTRACT NO. DACA21-93-C-0170

PREPARED BY:

PHOENIX CONSTRUCTION SERVICES, INC.  
ONE PURLIEU PLACE, SUITE 205  
WINTER PARK, FLORIDA  
32792

VOLUME 4

27 JAN 1995

#### FOREWORD

The Tank Closure Report is prepared in accordance with GUST-55 (UNDERGROUND STORAGE TANK CLOSURE REPORT FORMAT). A copy of the form is included prior to the Table of Contents.

## TANK CLOSURE REPORT

### UNDERGROUND STORAGE TANK REMOVAL BUILDING 710, HUNTER ARMY AIRFIELD

#### TABLE OF CONTENTS

1. Owner of UST System  
GUST#29 FORM  
GUST#42 FORM
2. UST System location
3. Local Area Geology and Hydrology
4. Site Maps  
#1 - CROSS SECTIONS  
#2 - AS-BUILT  
#3 - UPPER SOIL LAYER COMPOSITE SAMPLES  
#4 - LOWER LAYER SOIL SAMPLES  
#5 - CLOSURE SAMPLES  
#6 - CLOSURE SCREENING
5. Tank Removal  
5.1 - Tank Identification  
5.2 - Tank Contractor  
5.3 - Sampling Procedure
6. Summary of Laboratory Analysis for Soil and Groundwater  
TABLE 1 - QUANTITIES OF AFFECTED SOIL  
TABLE 2 - QUANTITIES OF TREATED GROUNDWATER  
TABLE 3 - UPPER 2' SOIL LAYER SAMPLES  
TABLE 4 - LOWER 3' SOIL LAYER SAMPLES  
TABLE 5 - CLOSURE SAMPLES  
TABLE 6 - OFF-SITE BACKFILL SAMPLES  
TABLE 7 - GROUNDWATER SAMPLES
7. Certificates of Disposal  
GROUNDWATER ( ENVIROTECH - 437,425 GALLONS )  
SOIL ( SRI - 431.88 TONS )  
SOIL ( SRI - 239.40 TONS )  
SOIL ( SRI - 98.70 TONS )  
SOIL ( SOILSAFE - 136.01 TONS )  
SOIL ( SOILSAFE - 2,291.70 TONS )  
SOIL ( SRI - 280.02 TONS )  
TANK ( SAVANNAH STEEL AND METAL CO. )
8. Conclusions and Recommendations

**Georgia Department of Natural Resources**

205 Butler Street, S.E., Floyd Towers East, Atlanta, Georgia 30334

Joe D. Tanner, Commissioner

Harold F. Reheis, Director

Environmental Protection Division

**REPLY TO:**

**UNDERGROUND STORAGE TANK MANAGEMENT PROGRAM**  
**4244 INTERNATIONAL PARKWAY**  
**SUITE 100**  
**ATLANTA, GEORGIA 30334**  
**(404) 362-2687 FAX (404) 362-2654**

**UNDERGROUND STORAGE TANK CLOSURE REPORT  
FORMAT**

In compiling a closure report, the following information must be provided.

1. Owner of UST System
  - Mailing address
  - Telephone number
  - Contact person
2. UST System Site Location
  - Facility name
  - Street address
3. Describe the immediate (tank pit) and local (within vision) Area Geology and Hydrology
  - General classification of soil type(s) and depths
  - Outcroppings, if observed
  - Streams, lakes, and ponds
  - Depth to groundwater (only when encountered during excavation)
4. Site Map showing
  - Tank pit area and piping trenches
  - Sample locations with ID and depths
5. Tank Removal
  - List tanks by ID# and size (should correspond to EPA Form 7530-1)
  - Specify tank removal contractor (name, address, telephone number, and contact person)
  - Describe sampling procedure
6. State Analytical Methods and Results for Soils and/or Groundwater Samples
7. Provide Certification of Proper Destruction and Disposal of Tanks
8. State Conclusions
  - Clean closure
  - Confirmed release
9. State Recommendations
  - No further action required
  - Begin corrective action procedure

# Table of Contents

<b>1</b>		
<b>2</b>		
<b>3</b>		
<b>4</b>		
<b>5</b>		
<b>6</b>		
<b>7</b>		
<b>8</b>		
<b>9</b>		
<b>10</b>		

TANK CLOSURE REPORT

SECTION 1 - OWNER OF UST SYSTEM

Mailing address:

Department of Army, Directorate of Public Works  
Fort Stewart, Georgia  
31316

Telephone number:

912-767-8356

Contact person:

Ltc. R.R. McLaughlin

# Georgia Department of Natural Resources

205 Butler Street, S.E., Floyd Towers East, Atlanta, Georgia 30334

Joe D. Tanner, Commissioner

Harold F. Rehels, Director

Environmental Protection Division

REPLY TO:

UNDERGROUND STORAGE TANK MANAGEMENT PROGRAM  
4244 INTERNATIONAL PARKWAY  
SUITE 100  
ATLANTA, GEORGIA 30354  
(404)362-2687 FAX (404)362-2654

DATE: \_\_\_\_\_

## GEORGIA UNDERGROUND STORAGE TANK (GUST) CLOSURE ACTIVITY FORM

For underground storage tanks (USTs) which will be permanently closed in-place or by removal, this form must be completed and submitted to the "Reply to:" address above at least 30 days prior to proposed closure. Modifications of this form will not be accepted. USTs must be closed within 90 days after proposed closure date as approved by EPD. Otherwise, a new Closure Activity Form must be submitted.

### I. FACILITY INFORMATION:

Facility Name: HUNTER ARMY AIRFIELD BLDG 710  
Contact Person: Angie N. Eason Telephone: (912) 352-5535  
Address (location; P.O. Box not acceptable): AHn: AF7P-DEV  
City: SAVANNAH County: CHATHAM

### II. UST INFORMATION: ("Contents" refer to last product contained in UST system)

BLD 710  
Tank ID: 1 Tank Size (gal): 12,000 Contents: DIESEL  
Tank ID: 2 Tank Size (gal): 12,000 Contents: GASOLINE  
Tank ID: 3 Tank Size (gal): 10,000 Contents: GASOLINE OR DIESEL  
Tank ID: 4 Tank Size (gal): 10,000 Contents: GASOLINE OR DIESEL  
Tank ID: \_\_\_\_\_ Tank Size (gal): \_\_\_\_\_ Contents: \_\_\_\_\_

### X III. UST OWNER: (Complete this section even if it is the same as Section I)

UST Owner Name: Department of Army, Directorate of Public Works  
Contact Person: H. R. R. McLaughlin Telephone: (912) 767-8356  
Mailing Address: Director Public Works  
City: Fort Stewart State: GA Zip Code: 31316

### IV. CONTRACTOR: (Company secured to actually close UST system)

Contractor Representative Name: GEORGE WILBUR  
Company or Organization Name: PROVENIEN CONST. SERV. Telephone: (407) 671-0125  
Address: ONE TURLIEV PLACE SUITE 205  
City: WINTER PARK State: FLA Zip Code: 32792



V. **CLOSURE NOTIFICATION INFORMATION:**

- A. ☒ Removal - Estimated date removal actions will begin (at least 30 days after submittal of this notification, unless waiver is granted): MARCH 4<sup>TH</sup> 1994
- B. ☐ Closure In-place, state inert solid fill material: \_\_\_\_\_  
Estimated date in-place closure will begin: \_\_\_\_\_  
Fire Marshal (Local or State) concurrence for in-place closure? ☐ Yes ☐ No  
-- Signature of Fire Safety Compliance Officer (must be obtained by owner prior to submitting notification for in-place closure): \_\_\_\_\_  
-- Fire Safety Compliance Officer Telephone: ( )
- C. ☐ Tank Replacement - Date existing tank closure will begin: \_\_\_\_\_  
Date new tank installation will begin: \_\_\_\_\_
- D. ☐ Request for waiver of 30-day notice of intent to close - state reason: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

VI. **PARTY TO WHOM COPY OF THIS FORM SHOULD BE RETURNED AFTER USTMP ACTION:**

Representative Name: Thomas D. Houston, REP, CHMM  
Organization Name: Chief Environment/Natural Resources Division  
Mailing Address: Directorate of Public Works  
City: Fort Stewart State: GA Zip Code: 31314-5000  
Telephone: (912) 767-2010

VII. **UST OWNER CERTIFICATION:** (Must be signed by UST owner or authorized agent)

I certify that the information concerning permanent closure of the UST system referenced on this form is true to the best of my belief and knowledge, and that the requirements of Subpart G of Title 40 CFR Part 280 and the Georgia Environmental Protection Division guidance document entitled "So You Want to Close an UST?" (GUST-9, as revised) will be met. I further certify that I am the UST owner or am duly empowered and authorized to execute this document on behalf of the UST owner.

Name (Print): Robert R. McLaughlin, LTC En. Title: Director of Public Works  
Organization Name: DPW Telephone: (912) 767-8356  
Signature: [Signature] Date: 10 Feb 94

VIII. **COMMENTS:** (Attach additional sheets as necessary): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**For USTM Program Use Only**

FACILITY ID: \_\_\_\_\_

- ☐ Request for Waiver denied. Reason: \_\_\_\_\_
- ☐ Request for Waiver approved.
- ☒ Closure may begin on or after 3-28-94
- Compliance Officer: JRC Wigg Date: 4/25/94



## 1.0 EXECUTIVE SUMMARY

In March, 1990, Tracer Research Corporation performed leak tests on two of four underground storage tanks (USTs) located at Building 710 at Hunter Army Airfield (HAAF) in Savannah, Georgia. These tests indicated that a 12,000-gallon diesel tank was leaking. Prior to the leak tests, a 10,000-gallon diesel tank was condemned in 1988 because it contained mud and water and thus was thought to be leaking. Based on this information, a preliminary contamination assessment (a shallow soil gas survey) was conducted by Tracer Research Corporation. Results of this investigation indicated that soils in the vicinity of the USTs had been impacted by the leak.

To further evaluate the vertical and horizontal extent of contamination, soil borings and monitor wells were installed and samples were collected by the U.S. Army Corps of Engineers (COE). Results of samples collected and observations made indicated that approximately 700 cubic yards of soil have possibly been highly contaminated and that phase separated product is floating on the groundwater surface. Also, dissolved hydrocarbons appear to be present in the groundwater.

Since contamination exists, a water system survey was conducted by Atlanta Testing & Engineering (AT&E) to determine required corrective action. In accordance with Rule 391-3-15-.09 of the Georgia Rules for UST Management, the extent of corrective action required is based on the location of the hydrocarbon plume with respect to nearby water withdrawal systems and surface water bodies. Based on this survey, it was determined that water withdrawal systems and surface water bodies exist within three miles of the site. However, the water withdrawal systems are all wells that receive water from aquifers other than the surficial aquifer and, therefore, are not hydraulically interconnected with the contaminant plume.

Based on these findings, it was proposed that the four USTs be removed. The contaminated soil plume will be excavated and phase separated product will be recovered during tank removal. Confirmatory soil samples will be collected and analyzed and one monitor well will be installed in the area of the former plume to evaluate the efficiency of the remedial action.

The nearest public withdrawal system within HAAF is less than 150 feet away from the contaminant plume. While this well is upgradient and not hydraulically interconnected with the contaminated plume, a confirmatory sample of the groundwater will be collected and analyzed.

Two lakes are located near the site. One lake is located just outside the HAAF's boundaries approximately 0.5 miles downgradient of the contaminated plume. The other lake is located within HAAF approximately 1,200 feet southwest and crossgradient of the contaminated plume. The dissolved hydrocarbon plume movement will be monitored to evaluate potential impacts to the water quality of the lake.



atlanta testing & engineering

**CORRECTIVE ACTION PLAN  
FINAL SUBMITTAL  
HUNTER ARMY AIRFIELD  
BUILDING 710 AREA  
CONTRACT DACA21-91-D-0001  
JOB NO. 10675**

TANK CLOSURE REPORT

SECTION 2 - UST SYSTEM SITE LOCATION

Facility name:

Hunter Army Airfield - Building 710

Street address:

Douglas Street and Moore Road

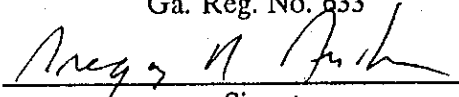
## 2.0 INTRODUCTION

### 2.1 FACILITY INFORMATION

The Corrective Action Plan (CAP) has been prepared in general accordance with Rule 391-3-15-.09 of the Georgia Rules for UST Management and "Requirements for Underground Storage Tank (UST) Release: CAP Content:" guidance document, dated July, 1991. The CAP will address the cleanup of subsurface impacts caused by leaking USTs containing diesel and gasoline at Building 710 at HAAF in Savannah, Georgia.

The subject facility and parties associated with the environmental activities being conducted at the site are presented below:

Location Name:	Building 710 Area
Location Address:	Hunter Army Airfield (HAAF) Savannah, Georgia 31409-5026 (912) 652-5675
Location County:	Chatham
Facility Contact:	Commander, 24th Infantry Division (Mech) and Fort Stewart Fort Stewart, Georgia 31314-5000 Directorate of Engineering and Housing (DEH), Environmental Office (AFZP-DEV) (912) 767-2010 Attention: Mr. Thomas D. Houston, Rep.
On-Site Environmental Consultant:	U. S. Army Corps of Engineers (COE) Savannah District 100 W. Oglethorpe Avenue Savannah, Georgia 31402-0889 (912) 944-5675 Attention: Ms. Toni F. Nicholson
Environmental Report Consultant:	Atlanta Testing & Engineering (AT&E) 11420 Johns Creek Parkway Duluth, Georgia 30136 (404) 476-3555 Attention: Mr. Gregory R. Fischer, P.G. Ga. Reg. No. 633

 4/1/92  
Signature

# TANK CLOSURE REPORT

## SECTION 4 - DRAWINGS

- #1 - CROSS SECTIONS
- #2 - AS-BUILT
- #3 - UPPER SOIL LAYER COMPOSITE SAMPLES
- #4 - LOWER LAYER SOIL SAMPLES
- #5 - CLOSURE SAMPLES
- #6 - CLOSURE SCREENING

## TANK CLOSURE REPORT

### SECTION 3 - LOCAL GEOLOGY AND HYDROLOGY

This information is provided in the site's Corrective Action Plan. The CAP was prepared by Atlanta Testing and Engineering for Building 710 as per Contract DACA21-91-D-0001. Only the first few pages of the CAP are included in the Tank Closure Report. Groundwater was encountered at elevation 13' during remediation at the site.

EPA Form 1320-1  
Rev. 12/83

## Form for Underground Storage Tanks

STATE USE ONLY

ID NUMBER

A. Date Data Entered

B. Data Entry Clerk Initials

DATE RECEIVED:

Environmental Protection Division  
Underground Storage Tank Management Program244 International Parkway, Suite 100  
Atlanta, Georgia 30354

## INSTRUCTIONS

Please type or print in ink all items except "signature" in section VIII. This form must be completed for each facility containing underground storage tanks. If more than five (5) tanks are owned at this facility, photocopy the following sheets, and staple continuation sheets to the form.

## TYPE OF NOTIFICATION

☐ NEW FACILITY ☐ AMENDED ☒ CLOSURE

6 Total No. of tanks at facility No. of continuation sheets attached

## GENERAL INFORMATION

Notification is required by the Georgia Underground Storage Tank Act, O.C.G.A. 12-13, as amended for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1980, or that are brought into use after May 8, 1980.

The primary purpose of this notification is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. The information you provide must be based on reasonably available records, or in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? The GUST Act, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify the Georgia Environmental Protection Division of the existence of their tanks.

## Owner Means:

a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground tank used for the storage, use, or dispensing of regulated substances; and

b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

Note: Any facility that has undergone any changes to facility information or tank system status need only submit amended tank information.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. Gasoline, used oil, or diesel fuel; and 2. Industrial solvents, pesticides, herbicides or fumigants.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:

1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
2. tanks used for storing heating oil for consumptive use on the premises where stored;
3. septic tanks;

Penalties: Under the GUST Act, O.C.G.A. 12-13-15, any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

## I. OWNERSHIP OF TANK(S)

## II. LOCATION OF TANK(S)

DEPT. OF ARMY, DIRECTORATE OF PUBLIC WORKS  
Owner Name (Corporation, Individual, Public Agency, or Other Entity)

DIRECTOR OF PUBLIC WORKS  
Mailing Address

FORT STEWART GA 31314-5000  
City State ZIP Code

LIBERTY  
County

(912) 767-8356  
Telephone Number (Must include Area Code)

HUNTER ARMY AIRFIELD, BLDG 710  
Facility Name or Company Site Identifier, as applicable

DOUGLAS STR. & MOORE ROAD  
Street Address (P.O. Box not acceptable)

HUNTER ARMY AIRFIELD 31409  
City State ZIP Code

CHATHAM ATTN: AFEP-DEV  
County

912 352-5535  
Facility Telephone Number (Must include Area Code)

If available, give the geographic location of tanks by degrees, minutes, and seconds. Examples  
Lat. 42° 36' 12" N Long. 85° 24' 17" W

Latitude

Longitude



III. TYPE OF OWNER	IV. INDIAN LANDS
<input type="checkbox"/> Federal Government <input type="checkbox"/> Commercial <input type="checkbox"/> State Government <input type="checkbox"/> Private <input type="checkbox"/> Local Government	Tanks are located on land within an Indian Reservation or on other trust lands. <span style="float: right;"><input type="checkbox"/></span>  Tanks are owned by Native American nation, tribe, or individual. <span style="float: right;"><input type="checkbox"/></span> Tribe or Nation: _____

## V. TYPE OF FACILITY

Select the Appropriate Facility Description

<input type="checkbox"/> Gas Station <input type="checkbox"/> Petroleum Distributor <input type="checkbox"/> Air Taxi (Airline) <input type="checkbox"/> Aircraft Owner <input type="checkbox"/> Auto Dealership	<input type="checkbox"/> Railroad <input type="checkbox"/> Federal-Non-Military <input type="checkbox"/> Federal-Military <input type="checkbox"/> Industrial <input type="checkbox"/> Contractor	<input type="checkbox"/> Trucking/Transport <input type="checkbox"/> Utilities <input type="checkbox"/> Residential <input type="checkbox"/> Farm <input type="checkbox"/> Other (Explain) _____
--	---	--

## VI. CONTACT PERSON IN CHARGE OF TANKS

Name <b>ANGI N. EASON</b>	Mailing Address <b>DPW ENVIRONMENTAL OFFICE, HUNTER BLDG 1021 HUNTER AAF GA. 31409</b>	Telephone Number (Include Area Code) <b>(912) 352-5535</b>
Job Title <b>ENV PROT SPEC</b>		

## VII. FINANCIAL RESPONSIBILITY (This Section Must Be Completed)

have met the financial responsibility requirements in accordance with GUST Rule 391-3-15.12 (40CFR §280.93) as indicated

YES	NO
<input type="checkbox"/>	<input type="checkbox"/>

- Marketer - Amount required is \$ 1,000,000

- Non - Marketer - Amount required is \$ 500,000

Identify primary coverage by "placing" an "X" in the appropriate box.

## PRIMARY COVERAGE

<input type="checkbox"/>	GUST TRUST FUND (Deductible \$ 10,000)
<input type="checkbox"/>	Commercial Insurance (Deductible \$ _____)
<input type="checkbox"/>	Risk Retention Group (Deductible \$ _____)
<input type="checkbox"/>	Self Insurance
<input type="checkbox"/>	Guarantee
<input type="checkbox"/>	Surety Bond
<input type="checkbox"/>	Letter of Credit

Describe other method providing coverage

Identify coverage for deductible amount listed under Primary Coverage by placing an "X" in the appropriate box.

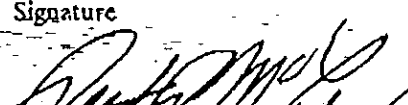
## DEDUCTIBLE COVERAGE

<input type="checkbox"/>	Commercial Insurance
<input type="checkbox"/>	Risk Retention Group
<input type="checkbox"/>	Self Insurance
<input type="checkbox"/>	Guarantee
<input type="checkbox"/>	Surety Bond
<input type="checkbox"/>	Letter of Credit

Describe other method providing coverage

## VIII. CERTIFICATION ( Not valid without date &amp; signature )

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name of owner or authorized representative (Print/Type)	Signature	Date Signed
Title: <b>(1) DOW</b>		<b>12/2/94</b>

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

Identification Number (to be arbitrary)	1	2	3	4	5
1. Name of Tank					
Currently in Use					
Temporarily Out of Use (In addition, complete section X)					
Permanently Out of Use (In addition, complete section X)	X	X	X	X	X
Amendment of Information					
2. Date of Installation (month/day/year)	1941	1941	1940	1940	—
3. Total Capacity (gallons)	12,000	12,000	10,000	10,000	400
4. Material of Construction (Mark all that apply)					
Asphalt Coated or Bare Steel					
Cathodically Protected Steel					
Epoxy Coated Steel					
Composite (Steel with Fiberglass)					
Fiberglass Reinforced Plastic					
Interior Liner					
Double Wall					
Polyethylene Tank Jacket					
Concrete					
Excavation Liner					
Unknown					
Other, Please specify					
Has tank been repaired?					
Date of repair (month/day/year)					
5. Piping (Material - Mark all that apply)					
Bare Steel	X	X	X	X	X
Galvanized Steel					
Fiberglass Reinforced Plastic					
Copper					
Cathodically Protected					
Double Wall					
Unknown					
Other, (specify)					
Secondary Containment					
Trench Liner					
Piping (Type - Mark all that apply)					
Suction; check valve at dispenser					
Suction; check valve at tank					
Pressure					
Gravity Feed					

Tank Identification Number	1	2	3	4	5
----------------------------	---	---	---	---	---

Substance currently or last stored identify as "1". Any additional substances previously stored identify as "2"

Substance	1	2	3	4	5
Diesel	1			1	
Gasohol					
Kerosene					
Heating Oil					1
Used Oil					
Other, specify					
Other, specify					

Hazardous Substance

CERCLA name or CAS (Chemical Abstracts Service) number

--	--	--	--	--

Mixture of Substances (Please specify by CERCLA name or CAS number)

Substance 1.

Substance 2.

Substance 3.


### X. TANKS OUT OF USE, OR CHANGE IN SERVICE

Tank Closure

#### A. Temporary

Date Taken Out of Service (month/day/year).....

Date to be Returned to Service (month/day/year).....


#### B. Permanent

Date Last Used (month/day/year).....

Date Tank Closed (month/day/year).....

1990	1990	1988	1988	?
8-17-94	8-19-94	8-19-94	8-19-94	8-19-94

Closure Method

Removed from Ground.....

X	X	X	X	X
---	---	---	---	---

Closed in place by filling with solid inert material

(Note: Water is not a solid inert material)

Concrete.....

Sand.....

Foam.....

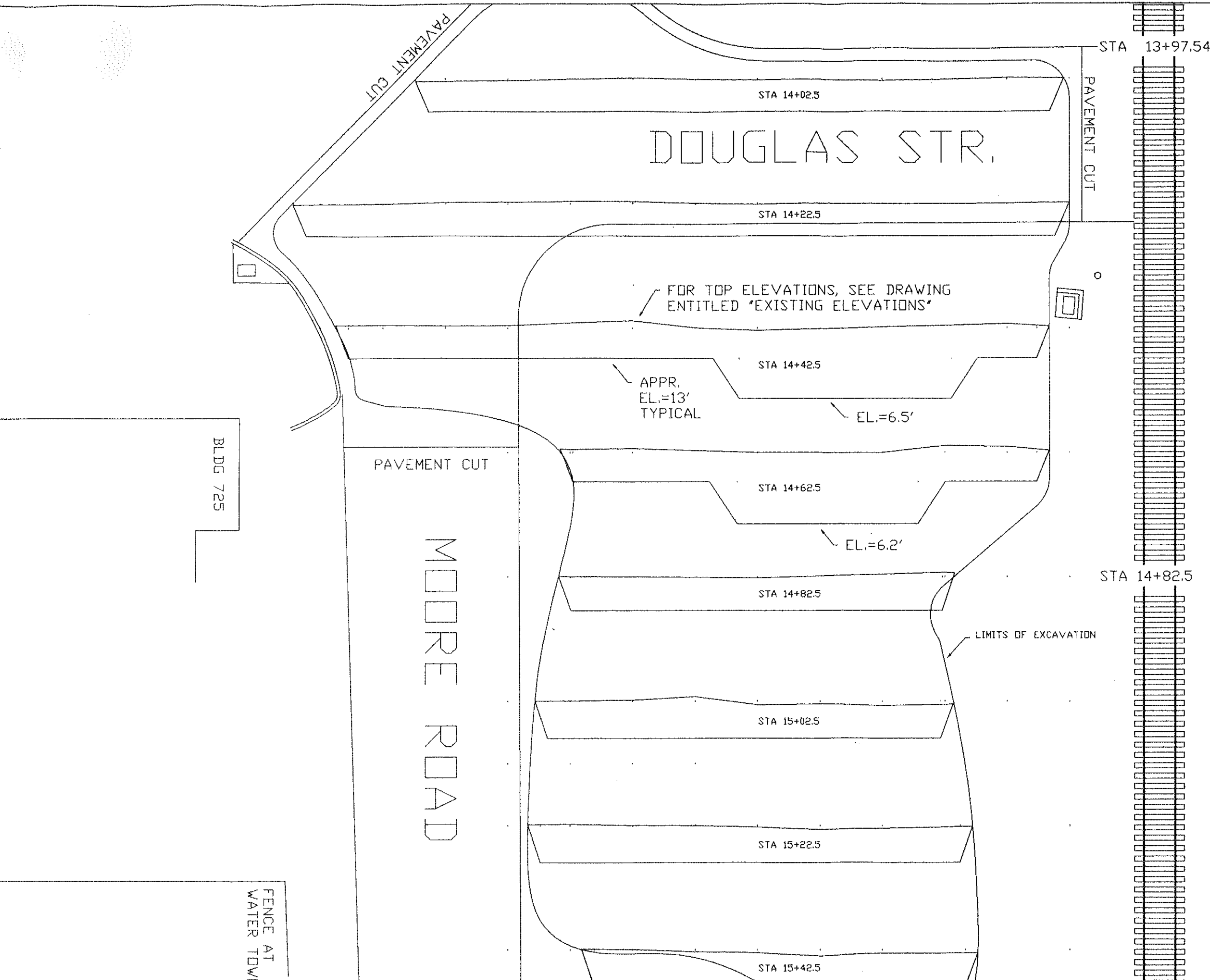
Other (Specify).....


C. Change in service (Specify New Substance Stored)

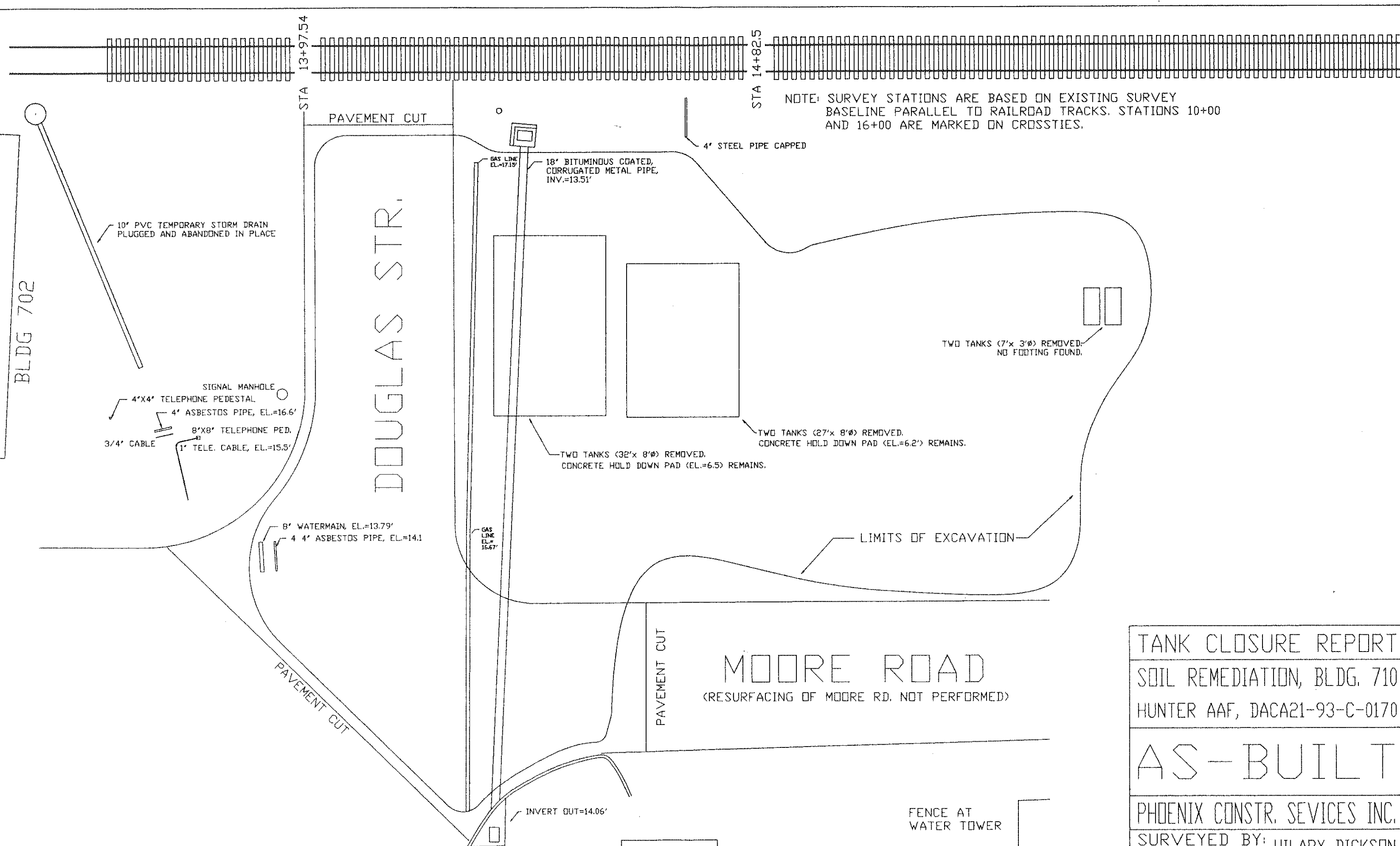
--	--	--	--	--







TANK CLOSURE REPORT
SOIL REMEDIATION, BLDG. 710
HUNTER AAF, DACA21-93-C-0170
CROSS SECTIONS
PHOENIX CONSTR. SERVICES INC.
SURVEYED BY:



TANK CLOSURE REPORT

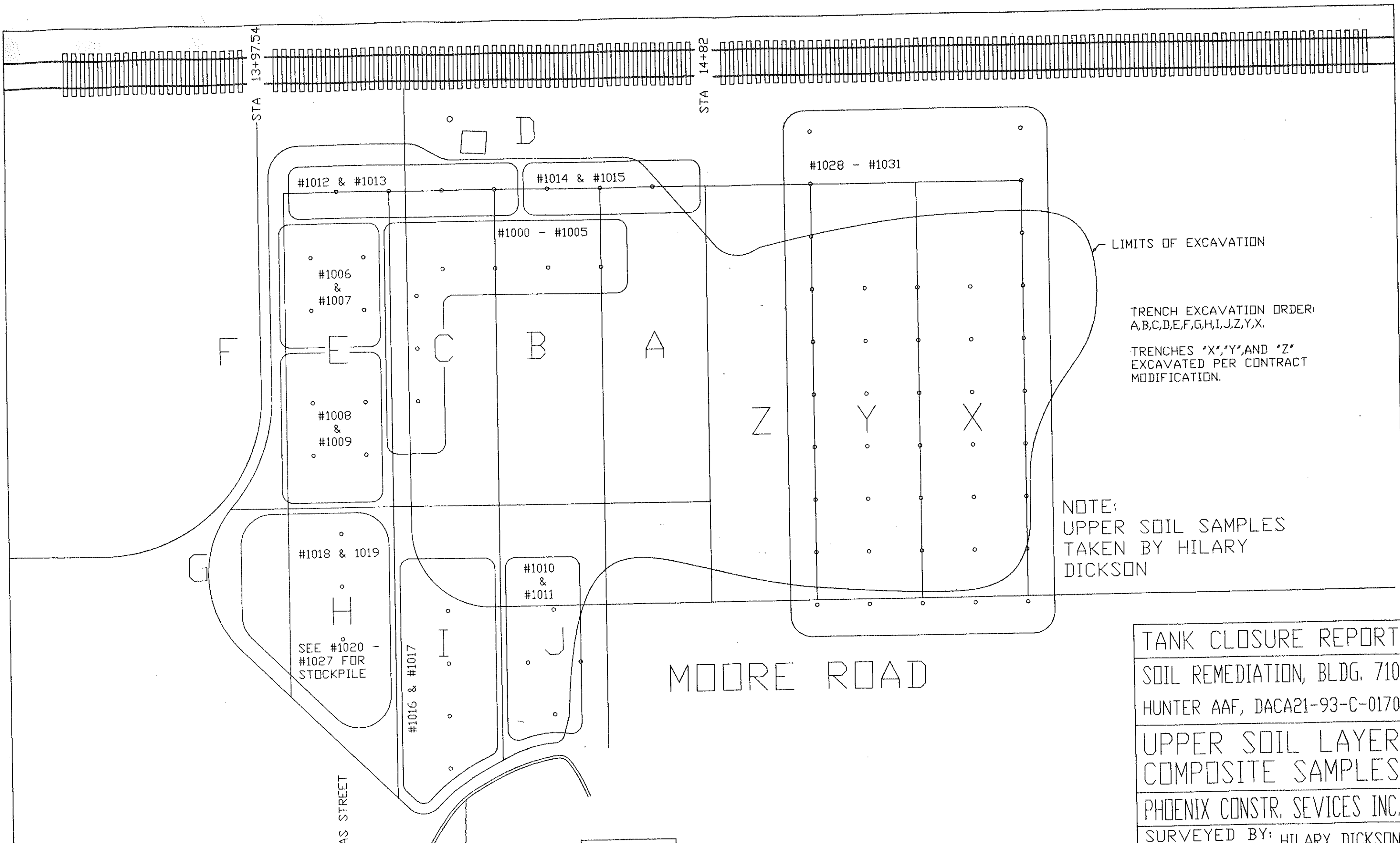
SOIL REMEDIATION, BLDG. 710

HUNTER AAF, DACA21-93-C-0170

AS-BUILT

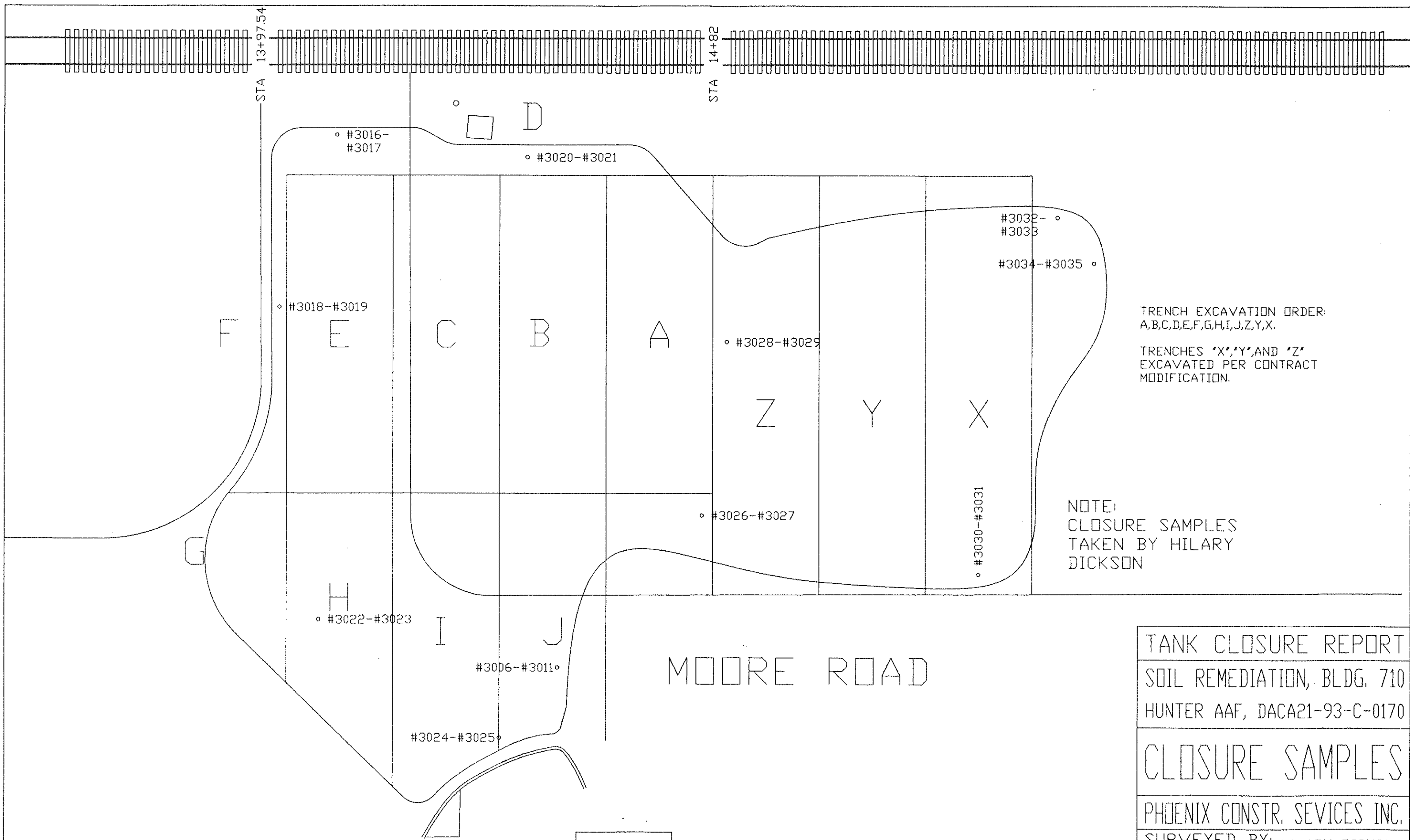
PHOENIX CONSTR. SERVICES INC.

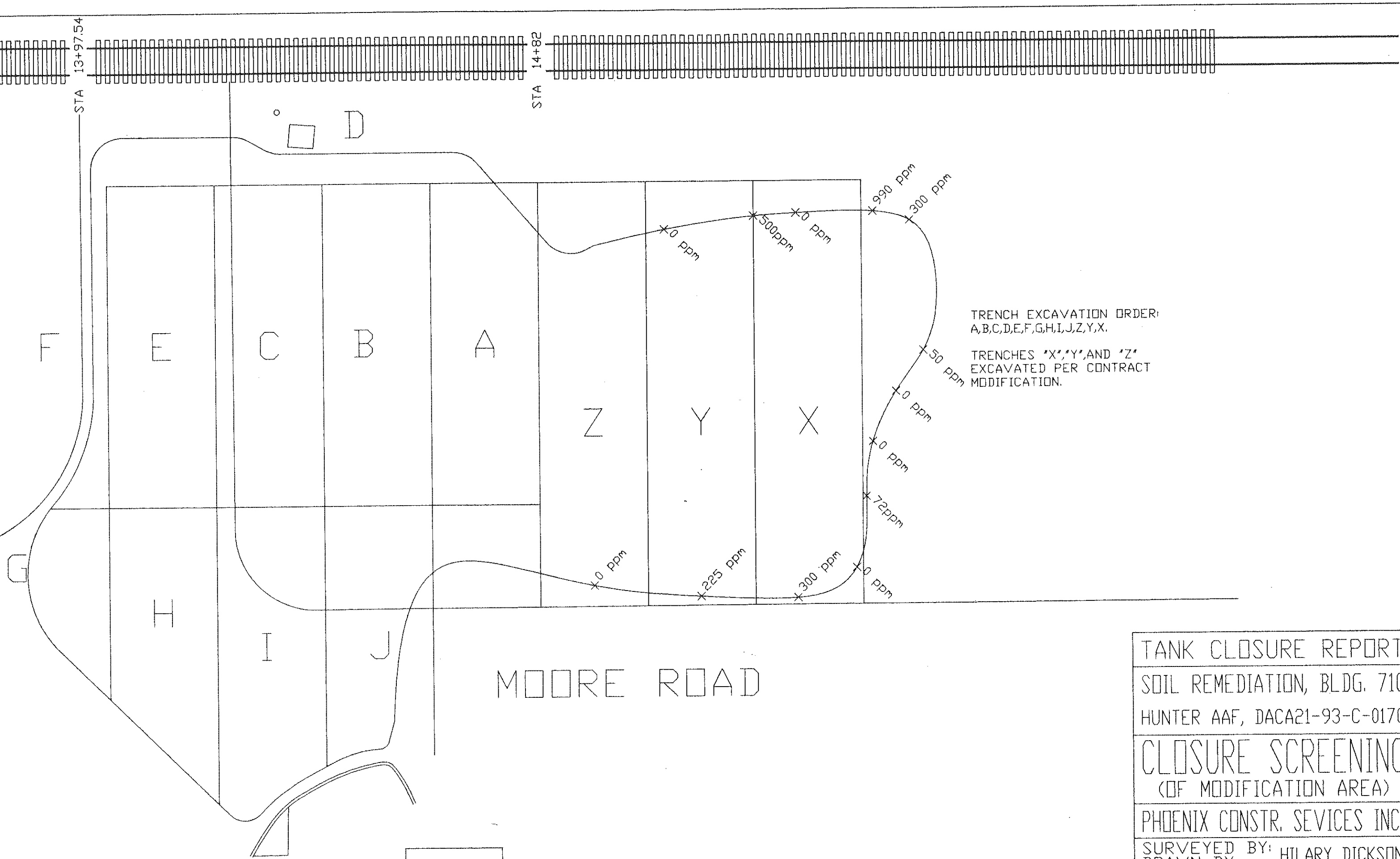
SURVEYED BY: HILARY DICKSON  
DRAWN BY:











MOORE ROAD

TANK CLOSURE REPORT
SOIL REMEDIATION, BLDG. 710
HUNTER AAF, DACA21-93-C-0170
CLOSURE SCREENING (OF MODIFICATION AREA)
PHOENIX CONSTR. SERVICES INC.
SURVEYED BY: HILARY DICKSON

TANK CLOSURE REPORT  
SECTION 5 - TANK REMOVAL

5.1 TANK IDENTIFICATION

The following underground storage tanks and appurtenant piping were removed, cleaned, and disposed of:

- Tank 1 - 12,000 gallon diesel
- Tank 2 - 12,000 gallon gasoline
- Tank 3 - 10,000 gallon gasoline
- Tank 4 - 10,000 gallon diesel
- Tank 5 - 400 gallon heating oil
- Tank 6 - 400 gallon heating oil

5.2 TANK CONTRACTOR

The tanks were removed by:

Phoenix Construction Services, Inc..  
1 Purlieu Place, Suit 205  
Winter Park, Florida  
32792

Contact Person: George Wilbur  
1-407-671-0125

5.3 SAMPLING PROCEDURE

The tanks were removed in accordance with the United States Army Corps of Engineers, Savannah District's specifications for Contract Number DACA21-93-C-0170. Tank excavation began in trenches "A", "B", and "C" as shown on Drawing 3 of Section 4. As required by the contract, the upper two foot soil layer was field screened to determine its suitability as backfill material. Because unacceptable levels of TPH and BTEX were detected, most material in trenches "A", "B", and "C" was excavated as affected soil.

Field screening in trenches "C" through "J" indicated that the upper two foot layer could possibly meet the requirements for backfill. Confirmation samples were taken at the locations shown on Drawing 3 of Section 4. The tests results for each sample are summarized in Table 3 of

Section 6. Based upon the tests results, soil from parts of trenches "D", "E", "F", "G", and "H" was stockpiled as potential backfill. After sampling and testing the stockpile (sample No. 1021 - No. 1027), the material was used as backfill.

Field screening of trenches "X", "Y", and "Z" indicated that the soil of the upper two foot layer was unsuitable for backfill material. To conform the field readings, two composite samples for laboratory analysis were prepared from the individual sample jars previously used for head space analysis. Twelve random samples were used for composite samples #1028 and #1029. Another twelve random samples were used for composite samples #1030 and #1031. A photoionization detector was used to perform all field screening for the upper two foot soil layer. Laboratory analysis was performed by Savannah Laboratories and Environmental Services, Inc.

The soil below the upper two foot soil layer was sampled as shown on Drawing 4 of Section 4. The test results for the lower soil layer are summarized in Table 4 of Section 4. The test results for the lower soil layer are summarized in Table 4 of Section 6.

Closure samples were taken at the perimeter of the excavation. Drawing 5 of Section 4 shows the sample locations. The test results are summarized in Table 5 of Section 6. Drawing 6 of Section 4 shows field screening results of head space samples taken at the perimeter of trenches "X", "Y", and "Z". This area was excavated as per a modification to the original contract.

Test results for groundwater samples are summarized in Table 7 of Section 6. The samples were taken in the excavation at the backfill face.

# TANK CLOSURE REPORT

## SECTION 6

### SUMMARY OF LABORATORY ANALYSIS FOR SOIL AND GROUNDWATER

TABLE 1 - QUANTITIES OF AFFECTED SOIL  
TABLE 2 - QUANTITIES OF TREATED GROUNDWATER  
TABLE 3 - UPPER 2' SOIL LAYER SAMPLES  
TABLE 4 - LOWER 3' SOIL LAYER SAMPLES  
TABLE 5 - CLOSURE SAMPLES  
TABLE 6 - OFF-SITE BACKFILL SAMPLES  
TABLE 7 - GROUNDWATER SAMPLES

# RECYCLE OF AFFECTED SOILS

DATE	TONS	MANIFEST NUMBERS
4-28-94	111.32	E4001-E4005
5-4	79.29	E4006-E4009
5-5	123.12	E4010-E4014
5-6	118.15	E4015-E4019
5-19	239.40	E4020-E4029
6-3	98.7	E4031-E4034
SOIL REMEDIALTION, INC.		
6-20	136.01	E4051-E4060
6-21	145.59	E4061-E4070
6-23	150.31	E4071-E4077, E4079-E4080
6-24	16.58	E4082
6-28	129.06	E4084-E4091
6-30	168.53	E4092-E4101
7-5	-----	E4102-E4103, E4107-E4111,
7-5	148.04	E4113-E4114
7-6	273.02	E4115-E4131
7-7	150.97	E4132-E4140
7-13	102.72	E4141-E4146
7-26	116.64	E4147-E4153
7-27	372.80	E4154-E4176
7-28	207.67	E4177-E4184, E4212-E4215
7-29	309.77	E4185-E4192, E4194-E4204
SOIL SAFE, INC.		
8-25	104.21	E4205-E4208
8-26	71.27	E4209-E4211
8-29	104.54	E4216, E4217, E4220, E4221
SOIL REMEDIALTION, INC.	<u>3477.71</u>	

TABLE 1

# Summary of Water from Hunter Army Airfield

<u>Date of Pick Up</u>	<u>Manifest No.</u>	<u>Gallons Received</u>
05/20/94	27277	5,753
05/20/94	27278	5,840
05/20/94	27279	5,840
05/23/94	27286	5,717
05/23/94	27287	5,805
05/23/94	27288	6,000
05/23/94	27289	5,600
05/24/94	27295	5,805
05/24/94	27296	5,717
05/24/94	27297	5,500
05/24/94	27308	5,753
05/25/94	27309	5,589
05/25/94	27310	5,700
05/26/94	27317	5,753
05/26/94	27318	5,699
05/26/94	27319	5,700
05/27/94	27323	5,753
05/27/94	27324	5,699
05/27/94	27325	5,700
05/31/94	27339	5,824
05/31/94	27340	5,840
05/31/94	27341	5,805
05/31/94	27344	5,896
05/31/94	27345	5,840
06/01/94	27349	5,896
06/01/94	27350	5,840
06/01/94	27351	5,804
06/01/94	27354	5,898
06/01/94	27355	5,840
06/01/94	27357	5,500
06/02/94	27358	5,824
06/02/94	27359	5,789
06/02/94	27361	5,805
06/02/94	27360	5,831
06/02/94	27364	5,500
06/02/94	27365	6,000
06/03/94	27362	5,734
06/03/94	27363	5,824
06/03/94	27366	5,801
06/03/94	27367	6,000
06/03/94	27376	6,000
06/04/94	27372	5,831
06/04/94	27382	5,824
06/04/94	27383	5,699
06/04/94	27384	5,527
06/04/94	27385	5,896
06/06/94	27386	5,699
06/06/94	27387	5,831

TABLE 2



# Summary of Water from Hunter Army Airfield

<u>Date of Pick Up</u>	<u>Manifest No.</u>	<u>Gallons Received</u>
06/06/94	27388	5,527
06/07/94	27395	5,824
06/07/94	27396	5,805
06/07/94	27397	5,861
06/07/94	27398	5,805
06/13/94	27438	5,805
06/13/94	27439	5,805
06/13/94	27440	5,805
06/13/94	27441	5,805
06/13/94	27442	5,824
06/13/94	27443	5,805
06/13/94	27444	5,805
06/11/94	27448	5,824
06/11/94	27449	5,805
06/11/94	27450	5,805
06/11/94	27451	5,831
06/16/94	27451A	5,805
06/16/94	27499	5,840
06/16/94	27500	5,831
06/21/94	27501	5,831
06/23/94	27502	5,805
07/01/94	27624	5,824
07/06/94	27503	5,805
07/06/94	27504	5,805
07/06/94	27505	5,824
07/14/94	27506	4,088
08/01/94	27507	5,824
08/02/94	27508	5,081

**GRAND TOTAL**

**437,425**

TABLE 2

# UPPER 2' SOIL LAYER SAMPLES

SAMPLE NUMBER	TPH 418.1 PPM	BTEX 8020 PPB	BTEX 602 PPB	PH 9045 UNITS	TCLP METALS 6010 PPM	PEST./ PCB 8080 PPB	LEAD 7421 PPM	TCLP VOL. 8240 PPM	
1000	1100								
1001	5300								
1002	2316								
1003		11							
1004		8.4							
1005	QA								
1006	180								
1007		BDL							
1008	280								
1009		6.4							
1010	600								
1011		BDL							
1012	590								
1013		BDL							
1014	71								
1015		BDL							
1016	670								
1017		BDL							
1018	160								
1019		BDL							
1020	410								
1021		BDL							
1022	130								
1023		BDL							
1024	220								
1025		BDL							
1026	230								
1027		BDL							
1028	1400								
1029		675							
1030	1500								
1031		113							

TABLE 3

BDL - BELOW DETECTION LIMITS      QA - QUALITY CONTROL SAMPLE (CORPS)

# LOWER 3' SOIL LAYER SAMPLES

SAMPLE NUMBER	TPH 418.1 PPM	BTEX 8020 PPB	BTEX 602 PPB	PH 9045 UNITS	TCLP METALS 6010 PPM	PEST./ PCB 8080 PPB	LEAD 7421 PPM	TCLP VOL. 8240 PPM	
SRI1		12000			BDL				
SRI2									
2001				6.91					
2002				6.98					
2003				QA					
2004					BDL				
2005					BDL				
2006					QA				
2007	10000								
2008	5280								
2009	QA								
2010						6.5			
2011						5.3			
2012						QA			
2013				5.38					
2014					BDL				
2015	1200								
2016						BDL			
2017				5.06					
2018					BDL				
2019	4500								
2020						BDL			
2021				5.56					
2022						BDL			
2023	110					BDL			
2024						BDL			
2025				5.11					
2026					BDL				
2027	BDL								
2028						BDL			
2029				5.01					
2030					BDL				
2031	180								
2032						BDL			
2033				5.45					
2034					BDL				
2035	BDL								
2036						BDL			
2037				5.84					
2038					BDL				
2039	510								
2040						BDL			
2041				5.41					
2042					BDL				
2043	780								
2044						BDL			
2045				4.65					
2046					BDL				
2047	30								
2048						BDL			
2049	30								
2050		31							

TABLE 4

BDL - BELOW DETECTION LIMITS QA - QUALITY CONTROL SAMPLE (CORPS)

# CLOSURE SAMPLES

SAMPLE NUMBER	TPH 418.1 PPM	BTEX 8020 PPB	BTEX 602 PPB	PH 9045 UNITS	TCLP METALS 6010 PPM	PEST./ PCB 8080 PPB	LEAD 7421 PPM	TCLP VOL. 8240 PPM	
3000	BDL								
3001	6.2								
3002	QA								
3003			91.5						
3004			49.5						
3005			QA						
3006	150								
3007	320								
3008	QA								
3009		BDL							
3010		BDL							
3011		QA							
3016	BDL								
3017		BDL							
3018	BDL								
3019		BDL							
3020	92								
3021		BDL							
3022	17								
3023		BDL							
3024	14								
3025		BDL							
3026	110								
3027		BDL							
3028	380								
3029		56							
3030	-----								
3031		-----							
3032	-----								
3033		-----							
3034	-----								
3035		-----							

TABLE 5

BDL - BELOW DETECTION LIMITS      QA - QUALITY CONTROL SAMPLE (CORPS)

# OFF-SITE BACKFILL SAMPLES

SAMPLE NUMBER	TPH 418.1 PPM	BTEX 8020 PPB	BTEX 602 PPB	PH 9045 UNITS	TCLP METALS 6010 PPM	PEST./ PCB 8080 PPB	LEAD 7421 PPM	TCLP VOL. 8240 PPM	
4001	BDL								
4002	BDL								
4003	QA								
4004		BDL							
4005		BDL							
4006		QA							
4007	BDL								
4009		BDL							
4011	BDL								
4012		BDL							
4013	BDL								
4014		BDL							
4015	BDL								
4016		BDL							
4017	BDL								
4018		BDL							
4019	BDL								
4020		BDL							
4021	BDL								
4022		BDL							
4023	BDL								
4024		BDL							

TABLE 6

BDL - BELOW DETECTION LIMITS      QA - QUALITY CONTROL SAMPLE (CORPS)

# GROUNDWATER SAMPLES

SAMPLE NUMBER	TPH 418.1 PPM	BTEX 8020 PPB	BTEX 602 PPB	PH 9045 UNITS	TCLP METALS 6010 PPM	PEST./ PCB 8080 PPB	LEAD 7421 PPM	TCLP VOL. 8240 PPM	
5006							7.9		
5007	22								
5008		5030							
5009					BDL			BDL	
5010							0.17		
5011	1.0								
5012		1690							
5013							0.051		
5014	BDL								
5015		1063							
5016							0.021		
5017	BDL								
5018		396							
5019							1.1		
5020	BDL								
5021			BDL						
5022							0.4		
5023	BDL								
5024			BDL						
5025							0.94		
5026	1.8								
5027			878				16		
5028									
5029	5.6								
5030			923						
5031							1.6		
5032	1.7								
5033			1013						
5037							0.49		
5038	BDL								
5039		BDL							
5040							0.69		
5041							0.40		
5042							QA		
5043	BDL								
5044	BDL								
5045	QA								
5046		180							
5047		180							
5048		QA							
5049							3.5		
5050	2.6								
5051		2000							
5052							3.1		
5053	9.8								
5054		597							
5055							2.1		
5056	15								
5057			26.3						
5058							0.67		
5059	1.7								
5060			12						

TABLE 7

BDL - BELOW DETECTION LIMITS QA - QUALITY CONTROL SAMPLE (CORPS)

# TANK CLOSURE REPORT

## SECTION 7 - CERTIFICATES

GROUNDWATER ( ENVIROTECH - 437,425 GALLONS )  
SOIL ( SRI - 431.88 TONS )  
SOIL ( SRI - 239.40 TONS )  
SOIL ( SRI - 98.70 TONS )  
SOIL ( SOILSAFE - 136.01 TONS )  
SOIL ( SOILSAFE - 2,291.70 TONS )  
SOIL ( SRI - 280.02 TONS )  
TANK ( SAVANNAH STEEL AND METAL CO. )



## **EnviroTech Southeast, Inc.**

1819 Albert Street  
Jacksonville, FL 32202  
Telephone: (904) 355-2157 • FAX (904) 355-5706

August 26, 1994

Phoenix Construction Services, Inc.  
One Purlieu Place  
Suite 205  
Winter Park, FL 32792

Re: Hunter Army Airfield Ground Water Disposal

EnviroTech Southeast, Inc. operates a fully permitted nonhazardous industrial waste water facility in Jacksonville, Florida. The ground water from the Hunter Army Airfield Contract DACA21-93-C-0170 was profiled into our facility for proper treatment and disposal. Attached is a listing of the volumes, including date received and manifest number, for all water shipped from that location. Please use this letter as a certificate of disposal for all manifests listed on the attachment.

Our current operating permits and a brief description of the facility operation describing the treatment process are enclosed for your records. All incoming waste streams are handled in the manner specified in the summary.

If you have any questions, please feel free to call me at (800) 334-7456.

Sincerely,

Jan Barnes  
Environmental Manager



# Summary of Water from Hunter Army Airfield

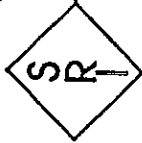
<u>Date of Pick Up</u>	<u>Manifest No.</u>	<u>Gallons Received</u>
05/20/94	27277	5,753
05/20/94	27278	5,840
05/20/94	27279	5,840
05/23/94	27286	5,717
05/23/94	27287	5,805
05/23/94	27288	6,000
05/23/94	27289	5,600
05/24/94	27295	5,805
05/24/94	27296	5,717
05/24/94	27297	5,500
05/24/94	27308	5,753
05/25/94	27309	5,589
05/25/94	27310	5,700
05/26/94	27317	5,753
05/26/94	27318	5,699
05/26/94	27319	5,700
05/27/94	27323	5,753
05/27/94	27324	5,699
05/27/94	27325	5,700
05/31/94	27339	5,824
05/31/94	27340	5,840
05/31/94	27341	5,805
05/31/94	27344	5,896
05/31/94	27345	5,840
06/01/94	27349	5,896
06/01/94	27350	5,840
06/01/94	27351	5,804
06/01/94	27354	5,898
06/01/94	27355	5,840
06/01/94	27357	5,500
06/02/94	27358	5,824
06/02/94	27359	5,789
06/02/94	27361	5,805
06/02/94	27360	5,831
06/02/94	27364	5,500
06/02/94	27365	6,000
06/03/94	27362	5,734
06/03/94	27363	5,824
06/03/94	27366	5,801
06/03/94	27367	6,000
06/03/94	27376	6,000
06/04/94	27372	5,831
06/04/94	27382	5,824
06/04/94	27383	5,699
06/04/94	27384	5,527
06/04/94	27385	5,896
06/06/94	27386	5,699
06/06/94	27387	5,831

## Summary of Water from Hunter Army Airfield

<u>Date of Pick Up</u>	<u>Manifest No.</u>	<u>Gallons Received</u>
06/06/94	27388	5,527
06/07/94	27395	5,824
06/07/94	27396	5,805
06/07/94	27397	5,861
06/07/94	27398	5,805
06/13/94	27438	5,805
06/13/94	27439	5,805
06/13/94	27440	5,805
06/13/94	27441	5,805
06/13/94	27442	5,824
06/13/94	27443	5,805
06/13/94	27444	5,805
06/11/94	27448	5,824
06/11/94	27449	5,805
06/11/94	27450	5,805
06/11/94	27451	5,831
06/16/94	27451A	5,805
06/16/94	27499	5,840
06/16/94	27500	5,831
06/21/94	27501	5,831
06/23/94	27502	5,805
07/01/94	27624	5,824
07/06/94	27503	5,805
07/06/94	27504	5,805
07/06/94	27505	5,824
07/14/94	27506	4,088
08/01/94	27507	5,824
08/02/94	27508	5,081

**GRAND TOTAL**

**437,425**



## SOIL REMEDIATION, INC.

Route 1, Box 1830 • County Road 329 • Ray City, Georgia 31645  
Plant: (912) 455-2300 • Jacksonville, Florida Office: (904) 389-9090

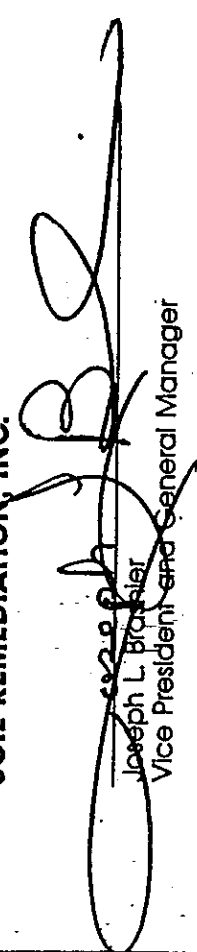
### CERTIFICATE OF RECYCLING

Soil Remediation, Inc. hereby certifies that 431.88 tons of

non-hazardous material soil generated by Hunter Army Air Field, Building 710,  
Hunter AAF, GA 31409, Manifest #'s E4001-E4019  
and originating at the site address Hunter Army Airfield, Building 710,  
Hunter AAF, GA 31409

has been thermally processed in compliance with all applicable rules and regulations set forth by Local, State and Federal authorities and strictly in accordance with Soil Remediation, Inc. permit number 2951-010-10886.

SOIL REMEDIATION, INC.

  
Joseph L. Brasher  
Vice President and General Manager

May 10, 1994  
Date



## SOIL REMEDIATION, INC.

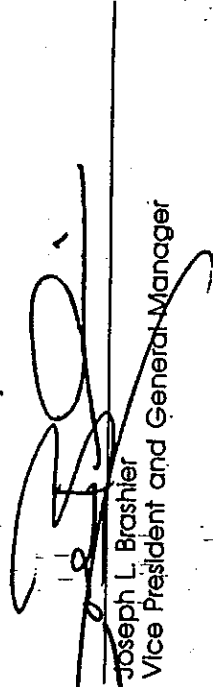
Route 1, Box 1830 • County Road 329 • Ray City, Georgia 31645  
Plant: (912) 455-2300 • Jacksonville, Florida Office: (904) 389-9090

### CERTIFICATE OF RECYCLING

Soil Remediation, Inc. hereby certifies that 239.40 tons of  
non-hazardous material soil generated by Hunter Army Air-field, Building 710,  
Hunter AAF, GA 31409 - Manifest #'s E4020 through E4029  
and originating at the site address Hunter Army Air-field  
Building 710  
Hunter AAF, GA 31409

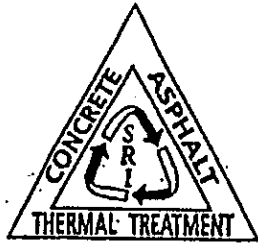
has been thermally processed in compliance with all applicable rules and regulations set forth by Local, State and Federal authorities and strictly in accordance with Soil Remediation, Inc. permit number 2951-O10-10886.

SOIL REMEDIATION, INC.

  
Joseph L. Brashler  
Vice President and General Manager

May 23, 1994  
Date

\*



## SOIL REMEDIATION INC.

Rt. 1, Box 1830 • CR 329 • Ray City, GA 31645  
912-455-2300 • (Fax) 912-455-2301

### Certificate of Recycling

Soil Remediation, Inc. hereby certifies that  
98,70 tons of non-hazardous material generated  
by:

Hunter Army Airfield  
Building 710  
Hunter Army Airfield, GA 31409

and originating at the site address:

Hunter Army Airfield  
Building 710  
Hunter Army Airfield, GA 31409

Manifest numbers: E4031 through E4034

has been thermally processed in compliance with  
all applicable rules and regulations set forth by  
Local, State, and Federal authorities and  
strictly in accordance with Air Quality Permits,  
numbers 2951-010-10886 and 2951-010-11353.

Soil Remediation, Inc.

*Jerome Chambless*  
Jerome Chambless  
President

*6/23/94*  
Date

SOIL SAFE INCORPORATED

CERTIFICATE OF RECYCLE

SOIL SAFE INCORPORATED ACCEPTED 136.01 TONS OF NON-HAZARDOUS, PETROLEUM CONTAMINATED SOIL, TRANSPORTED ON 10 TRUCK(S), FROM DPW Environmental Office, Hunter Army Airfield, GA UNDER APPROVAL NUMBER 00045. Manifest Numbers E4051 thru E4060

THIS MATERIAL WAS CONTRACTED BY AND BETWEEN SOIL SAFE INCORPORATED AND Phoenix Construction Svcs., Inc., BROKER, CONTRACTOR, AGENT, REPRESENTING DPW Environmental Office, THE GENERATOR.

THIS MATERIAL WAS ANALYZED PRIOR TO ACCEPTANCE BY A CERTIFIED SOILS TECHNICIAN TO DETERMINE SOIL COMPONENTS AND SPECIFIC PRODUCT USAGE. SOIL SAFE INCORPORATED HAS TAKEN FULL RESPONSIBILITY FOR THIS MATERIAL, INCLUDING SAFE HANDLING, PROCESSING, STORAGE AND RE-USE, AND WE HEREBY CERTIFY THAT ALL OF THE ABOVE WERE EXECUTED IN ACCORDANCE WITH ALL EXISTING LAWS AND REGULATIONS.

BASED UPON OUR INVENTORY TRACKING METHODOLOGY, SOIL SAFE INCORPORATED CERTIFIES THAT THIS MATERIAL HAS BEEN RECYCLED INTO A SUB-BASE PRODUCT FOR PAVING PURPOSES.

DATE: June 21, 1994

CERTIFICATE ISSUED TO:

Phoenix Construction Services, Inc.  
1 Purlieu Place  
Suite 205  
Winter Park, Florida 32792

STATE OF MARYLAND  
COUNTY OF PRINCE GEORGE'S

As sworn to me on this 21<sup>st</sup> day of June 1994

Betty J. August Notary

My commission expires: September 1, 1995

SOIL SAFE INCORPORATED IS A CORPORATION COMMITTED TO THE SAFE HANDLING, PROCESSING AND RECYCLING OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL.

SSI-CRI

**SOIL SAFE INCORPORATED  
CERTIFICATE OF RECYCLE**

SOIL SAFE INCORPORATED ACCEPTED 2,291.7 TONS OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL, TRANSPORTED IN 140 LOADS, UNDER MANIFEST NUMBERS (SEE REVERSE) FROM BLDG 710 HUNTER ARMY AIRFIELD, SAVANNAH, GEORGIA 31409 UNDER APPROVAL NUMBER 0004S.

THIS MATERIAL WAS CONTRACTED BY AND BETWEEN SOIL SAFE INCORPORATED AND PHOENIX CONSTRUCTION SERVICES, INC., CONTRACTOR, REPRESENTING DPW ENVIRONMENTAL OFFICE, THE GENERATOR.

THIS MATERIAL WAS ANALYZED PRIOR TO ACCEPTANCE BY A CERTIFIED SOILS TECHNICIAN TO DETERMINE SOIL COMPONENTS AND SPECIFIC PRODUCT USAGE. SOIL SAFE HAS TAKEN FULL RESPONSIBILITY FOR THIS MATERIAL, INCLUDING SAFE HANDLING, PROCESSING, STORAGE AND RE-USE, AND WE HEREBY CERTIFY THAT ALL OF THE ABOVE WERE EXECUTED IN ACCORDANCE WITH ALL EXISTING LAWS AND REGULATIONS.

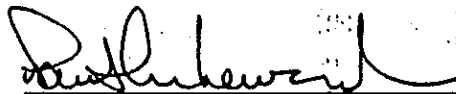
BASED UPON OUR INVENTORY TRACKING METHODOLOGY, SOIL SAFE INCORPORATED CERTIFIES THAT THIS MATERIAL HAS BEEN RECYCLED INTO A SUB-BASE PRODUCT FOR PAVING PURPOSES.

DATE: September 7, 1994

**CERTIFICATE ISSUED TO:**

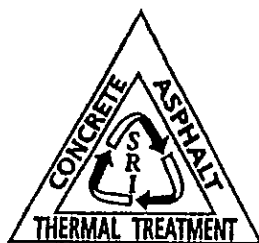
Phoenix Construction Services, Inc.  
1 Purlieu Place, Suite 205  
Winter Park, Florida 32792

**VERIFIED AND CERTIFIED BY:**



PAUL M. LEWCZYK  
General Manager  
Savannah Operations

SOIL SAFE INCORPORATED IS A CORPORATION COMMITTED TO THE SAFE HANDLING, PROCESSING AND RECYCLING OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL.



## SOIL REMEDIATION INC.

County Road 329 • Ray City, GA 31645  
Plant: 912-455-2300 • Fax: 912-455-2301

### Certificate of Recycling

Soil Remediation, Inc. hereby certifies that 280.02 tons  
of petroleum contaminated soil generated by:

Hunter Army Airfield  
Building 710  
Hunter AAF, GA 31409

and originating at the site address:

Hunter Army Airfield  
Building 710  
Hunter AAF, GA 31409

Manifest #'s E4205 through E4211, E4216, E4217, E4220  
and E4221.

has been thermally processed in compliance with all  
applicable rules and regulations set forth by Local,  
State and Federal authorities and strictly in  
accordance with Air Quality Permits, numbers 2951-  
010-10886 and 2951-010-11353.

Soil Remediation, Inc.

*Jerome Chambless* 9/6/94  
Jerome Chambless Date  
President

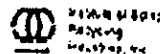


SAV STEEL METAL

19122328057

P. 01

Plant Location:  
501 West Boundary St.  
Savannah, Ga. 31401



## Savannah Steel & Metal Co.

P.O. Box 1585 • Savannah, Ga. 31402 • (912) 232-8882 • Fax (912) 232-8057

July 14, 1994

To Whom It My Concern,

The tanks that were either delivered or picked up by our company from Hunter Air Field or the airport were cut up and destroyed in our yard, per the instruction from Phoenix Construction Co.

Sincerely,

  
Brenda Stapleton

## TANK CLOSURE REPORT

### SECTION 8 - CONCLUSIONS AND RECOMMENDATIONS

During the Spring and Summer of 1994, Phoenix Construction Services, Inc. performed underground storage tank removal and soil remediation at Building 710, Hunter Army Airfield. The work was accomplished in accordance with the United States Army Corps of Engineers, Savannah District's specifications for Contract Number DACA21-93-C-0170.

The work included the excavation and recycle of 3477.71 tons of petroleum contaminated soils, the treatment of 437,425 gallons of groundwater, the removal of six underground storage tanks, and the placement of 4175.9 tons of clean off-site backfill material. Additionally, the work necessitated the demolition of Building 710 and the storm drain and pavement of parts of Douglas Street and Moore Road.

The final limits of excavation are shown on Drawings #1 and #2 of Section 4. Drawing #6 shows field soil screenings taken at the perimeter of the area excavated per contract modification. The screenings indicate the possibility of affected soil under Moore Road and at the northwest excavation limits.