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NAS CECIL FIELD, FL  
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"CONFIRMATORY SAMPLING REPORT BUILDING 1847 TANKS G1847-A, G1847-B AND  
G1847-C BASE REALIGNMENT AND CLOSURE UNDERGROUND STORAGE TANK AND  
ABOVEGROUND STORAGE TANK GREY SITES NAS CECIL FIELD FL"

12/1/1997

ABB ENVIRONMENTAL SERVICES INC

**CONFIRMATORY SAMPLING REPORT**  
**BUILDING 1847, TANKS G1847-A, G1847-B, and G1847-C**  
**BASE REALIGNMENT AND CLOSURE**  
**UNDERGROUND STORAGE TANK AND**  
**ABOVEGROUND STORAGE TANK GREY SITES**  
**NAVAL AIR STATION CECIL FIELD**  
**JACKSONVILLE, FLORIDA**

**Unit Identification Code: N60200**

**Contract No.: N62467-89-D-0317/131**

**Prepared by:**

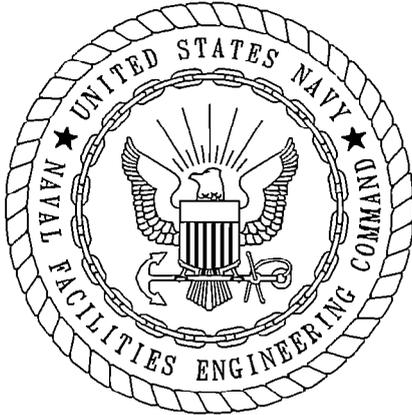
**ABB Environmental Services, Inc.**  
**2590 Executive Center Circle, East**  
**Tallahassee, Florida 32301**

**Prepared for:**

**Department of the Navy, Southern Division**  
**Naval Facilities Engineering Command**  
**2155 Eagle Drive**  
**North Charleston, South Carolina 29418**

**Bryan Kizer, Code 1842, Engineer-in-Charge**

**December 1997**



CERTIFICATION OF TECHNICAL  
DATA CONFORMITY (MAY 1987)

The Contractor, ABB Environmental Services, Inc., hereby certifies that, to the best of its knowledge and belief, the technical data delivered herewith under Contract No. N62467-89-D-0317/131 are complete and accurate and comply with all requirements of this contract.

DATE: December 1, 1997

NAME AND TITLE OF CERTIFYING OFFICIAL: Rao Angara  
Task Order Manager

NAME AND TITLE OF CERTIFYING OFFICIAL: Eric A. Blomberg, P.G.  
Project Technical Lead

TABLE OF CONTENTS

Confirmatory Sampling Report  
Building 1826, Tanks G1847-A, G1847-B, and G1847-C  
Naval Air Station Cecil Field  
Jacksonville, Florida

<u>Chapter</u>	<u>Title</u>	<u>Page No.</u>
1.0	INTRODUCTION . . . . .	1
2.0	FIELD INVESTIGATION . . . . .	1
3.0	SCREENING AND ANALYTICAL RESULTS . . . . .	1
4.0	CONCLUSIONS AND RECOMMENDATIONS . . . . .	1

REFERENCES

LIST OF FIGURES

Confirmatory Sampling Report  
Building 1847, Tanks G1847-A, G1847-B, and G1847-C  
Naval Air Station Cecil Field  
Jacksonville, Florida

<u>Figure</u>	<u>Title</u>	<u>Page No.</u>
1	Tanks G1847A, G1847B, and G1847C, Soil Boring Locations . . . . .	2

LIST OF TABLES

<u>Table</u>	<u>Title</u>	<u>Page No.</u>
1	Soil Screening Results . . . . .	3

GLOSSARY

ABB-ES      ABB Environmental Services, Inc.  
AST          aboveground storage tank  
  
OVA          organic vapor analyzer

## 1.0 INTRODUCTION

ABB Environmental Services, Inc. (ABB-ES), under contract to the Southern Division, Naval Facilities Engineering Command, has completed the confirmatory sampling for Tanks G1847-A, G1847-B, and G1847-C at Naval Air Station Cecil Field in Jacksonville, Florida. This report summarizes the related field operations, results, conclusions, and recommendations of the confirmatory sampling.

Tanks G1847-A, G1847-B, and G1847-C are aboveground storage tanks (ASTs) located north of Building 1847 at the corner of 10th Street and Jet Road (Figure 1). Building 1847 is a facility used to pump nonpotable water from the Building 361 reservoir to firefighting equipment on the flightline (ABB-ES, 1994).

The ASTs, which were installed in 1986, have capacities of 200-gallons each and are used to store diesel for the emergency backup power for three firemain pumps (ABB-ES, 1994). A Contamination Assessment Plan for the assessment of soil at Tanks G1847-A, G1847-B, and G1847-C was prepared by ABB-ES in November 1996 (ABB-ES, 1996).

## 2.0 FIELD INVESTIGATION

The confirmatory sampling at Tanks G1847-A, G1847-B, and G1847-C was initiated in January 1997 and included the advancement of three soil borings to the water table. Soil samples were collected at depth intervals of 1 foot below land surface and every 2 feet thereafter to the water table. These samples were screened for hydrocarbon vapors with an organic vapor analyzer (OVA).

Groundwater was not investigated because the ASTs are on a concrete containment structure, and no soil contamination was visually observed or detected.

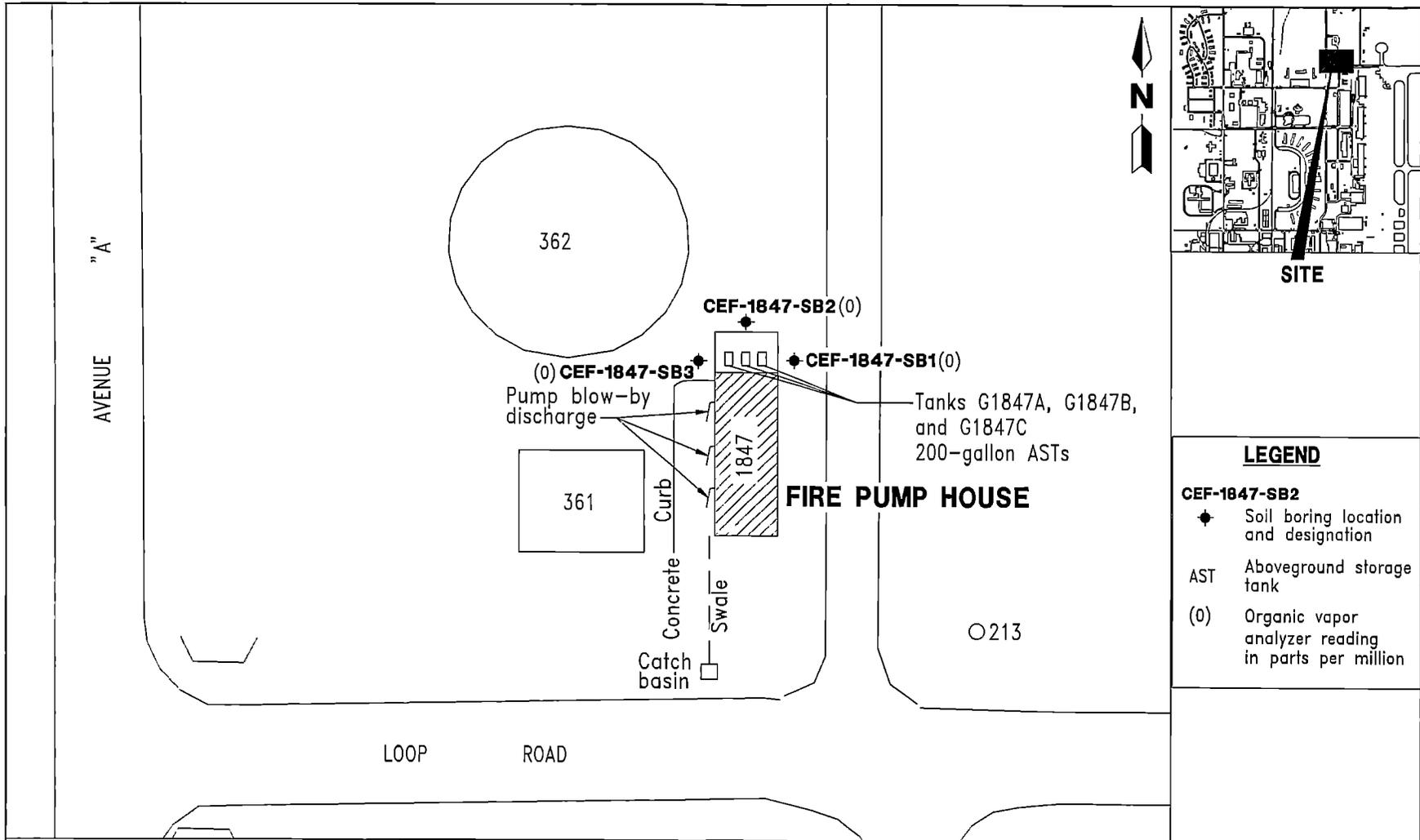
A general site plan indicating the location of the soil borings is presented on Figure 1.

## 3.0 SCREENING AND ANALYTICAL RESULTS

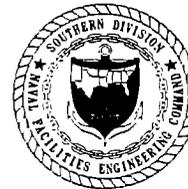
Excessively contaminated soil was not detected in soil samples collected from the unsaturated zone during the confirmatory sampling. The soil OVA data collected during the confirmatory sampling are summarized in Table 1 and presented on Figure 1.

## 4.0 CONCLUSIONS AND RECOMMENDATIONS

Data obtained during the confirmatory sampling at the Tanks G1847-A, G1847-B, and G1847-C site did not indicate the presence of contaminated soil. Therefore, no further action is recommended for this site until proper tank removal and closure is performed.



**FIGURE 1**  
**TANKS G1847A, G1847B AND G1847C**  
**SOIL BORING LOCATIONS**



**CONFIRMATORY SAMPLING REPORT**  
**BUILDING 1847, TANKS G1847A,**  
**G1847B AND G1847C**

**NAVAL AIR STATION CECIL FIELD**  
**JACKSONVILLE, FLORIDA**

**Table 1  
Soil Screening Results**

Confirmatory Sampling Report  
Building 1826, Tanks G1847-A, G1847-B, and G1847-C  
Naval Air Station Cecil Field  
Jacksonville, Florida

Location	OVA Concentration (ppm)			
	Depth (feet bls)	Unfiltered	Filtered	Actual
CEF-1847-SB1	1	0	-	0
	3	0	-	0
	5 (wet)	0	-	0
CEF-1847-SB2	1	0	-	0
	3	0	-	0
	5 (wet)	0	-	0
CEF-1847-SB3	1	0	-	0
	3	0	-	0
	5 (wet)	0	-	0

Notes: All soil samples were collected on January 16, 1997.  
Soil samples were filtered with carbon to determine the methane concentration.

OVA = organic vapor analyzer.  
ppm = parts per million.  
bls = below land surface.  
- = filtered readings were not collected.  
wet = soil sample was completely saturated when analyzed.

## REFERENCES

- ABB Environmental Services, Inc. (ABB-ES). 1994. *Base Realignment and Closure Environmental Baseline Survey Report, Naval Air Station Cecil Field, Jacksonville, Florida*. Prepared for Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOC), North Charleston, South Carolina (November).
- ABB-ES. 1996. *Contamination Assessment Plan, Naval Air Station Cecil Field, Jacksonville, Florida*. Prepared for SOUTHNAVFACENGCOC, North Charleston, South Carolina (November).

TANK 1847B

Please see the Tank 1847A CSR. Tank 1847B is located adjacent to tank 1847A and was included in the investigation.

**CONFIRMATORY SAMPLING REPORT**  
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**Unit Identification Code: N60200**

**Contract No.: N62467-89-D-0317/131**

**Prepared by:**

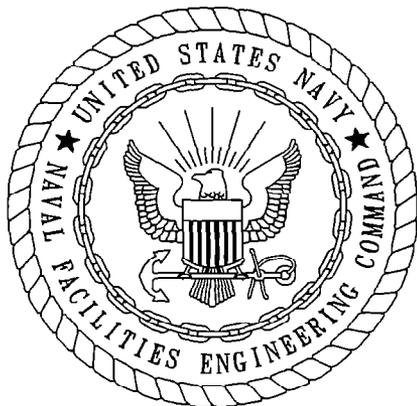
**ABB Environmental Services, Inc.**  
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**Prepared for:**

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DATE: December 1, 1997

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Task Order Manager

NAME AND TITLE OF CERTIFYING OFFICIAL: Eric A. Blomberg, P.G.  
Project Technical Lead

(DFAR 252.227-7036)

TABLE OF CONTENTS

Confirmatory Sampling Report  
Building 1826, Tanks G1847-A, G1847-B, and G1847-C  
Naval Air Station Cecil Field  
Jacksonville, Florida

<u>Chapter</u>	<u>Title</u>	<u>Page No.</u>
1.0	INTRODUCTION . . . . .	1
2.0	FIELD INVESTIGATION . . . . .	1
3.0	SCREENING AND ANALYTICAL RESULTS . . . . .	1
4.0	CONCLUSIONS AND RECOMMENDATIONS . . . . .	1

REFERENCES

LIST OF FIGURES

Confirmatory Sampling Report  
Building 1847, Tanks G1847-A, G1847-B, and G1847-C  
Naval Air Station Cecil Field  
Jacksonville, Florida

<u>Figure</u>	<u>Title</u>	<u>Page No.</u>
1	Tanks G1847A, G1847B, and G1847C, Soil Boring Locations . . . . .	2

LIST OF TABLES

<u>Table</u>	<u>Title</u>	<u>Page No.</u>
1	Soil Screening Results . . . . .	3

## GLOSSARY

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AST	aboveground storage tank
OVA	organic vapor analyzer

## 1.0 INTRODUCTION

ABB Environmental Services, Inc. (ABB-ES), under contract to the Southern Division, Naval Facilities Engineering Command, has completed the confirmatory sampling for Tanks G1847-A, G1847-B, and G1847-C at Naval Air Station Cecil Field in Jacksonville, Florida. This report summarizes the related field operations, results, conclusions, and recommendations of the confirmatory sampling.

Tanks G1847-A, G1847-B, and G1847-C are aboveground storage tanks (ASTs) located north of Building 1847 at the corner of 10th Street and Jet Road (Figure 1). Building 1847 is a facility used to pump nonpotable water from the Building 361 reservoir to firefighting equipment on the flightline (ABB-ES, 1994).

The ASTs, which were installed in 1986, have capacities of 200-gallons each and are used to store diesel for the emergency backup power for three firemain pumps (ABB-ES, 1994). A Contamination Assessment Plan for the assessment of soil at Tanks G1847-A, G1847-B, and G1847-C was prepared by ABB-ES in November 1996 (ABB-ES, 1996).

## 2.0 FIELD INVESTIGATION

The confirmatory sampling at Tanks G1847-A, G1847-B, and G1847-C was initiated in January 1997 and included the advancement of three soil borings to the water table. Soil samples were collected at depth intervals of 1 foot below land surface and every 2 feet thereafter to the water table. These samples were screened for hydrocarbon vapors with an organic vapor analyzer (OVA).

Groundwater was not investigated because the ASTs are on a concrete containment structure, and no soil contamination was visually observed or detected.

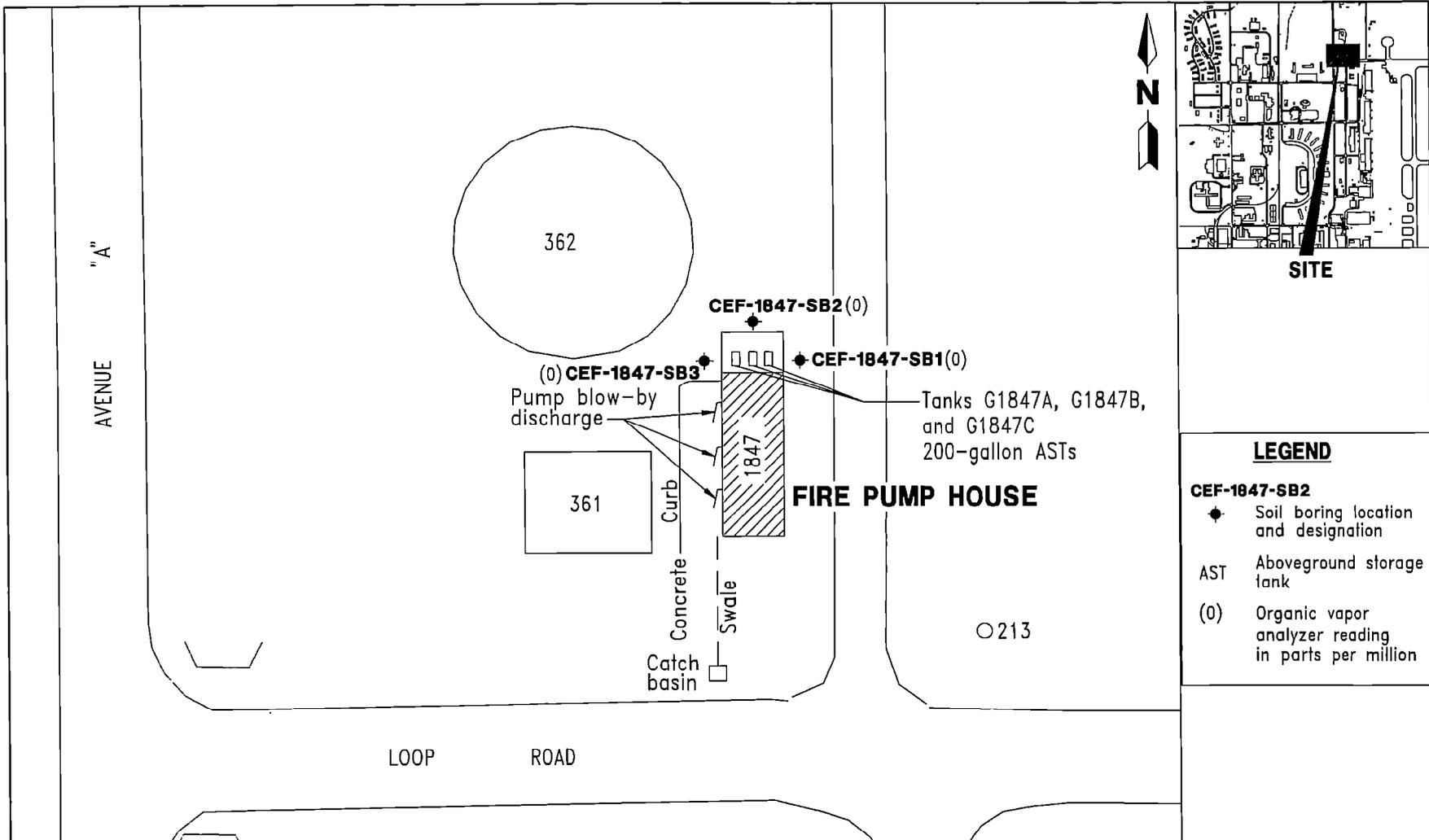
A general site plan indicating the location of the soil borings is presented on Figure 1.

## 3.0 SCREENING AND ANALYTICAL RESULTS

Excessively contaminated soil was not detected in soil samples collected from the unsaturated zone during the confirmatory sampling. The soil OVA data collected during the confirmatory sampling are summarized in Table 1 and presented on Figure 1.

## 4.0 CONCLUSIONS AND RECOMMENDATIONS

Data obtained during the confirmatory sampling at the Tanks G1847-A, G1847-B, and G1847-C site did not indicate the presence of contaminated soil. Therefore, no further action is recommended for this site until proper tank removal and closure is performed.



**FIGURE 1**  
**TANKS G1847A, G1847B AND G1847C**  
**SOIL BORING LOCATIONS**



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	3	0	-	0
	5 (wet)	0	-	0
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	5 (wet)	0	-	0
CEF-1847-SB3	1	0	-	0
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	5 (wet)	0	-	0

Notes: All soil samples were collected on January 16, 1997.  
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TANK 1847C

Please see the Tank 1847A CSR. Tank 1847C is located adjacent to tank 1847A and was included in the investigation.

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TABLE OF CONTENTS

Confirmatory Sampling Report  
Building 1826, Tanks G1847-A, G1847-B, and G1847-C  
Naval Air Station Cecil Field  
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<u>Chapter</u>	<u>Title</u>	<u>Page No.</u>
1.0	INTRODUCTION . . . . .	1
2.0	FIELD INVESTIGATION . . . . .	1
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REFERENCES

LIST OF FIGURES

Confirmatory Sampling Report  
Building 1847, Tanks G1847-A, G1847-B, and G1847-C  
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<u>Figure</u>	<u>Title</u>	<u>Page No.</u>
1	Tanks G1847A, G1847B, and G1847C, Soil Boring Locations . . . . .	2

LIST OF TABLES

<u>Table</u>	<u>Title</u>	<u>Page No.</u>
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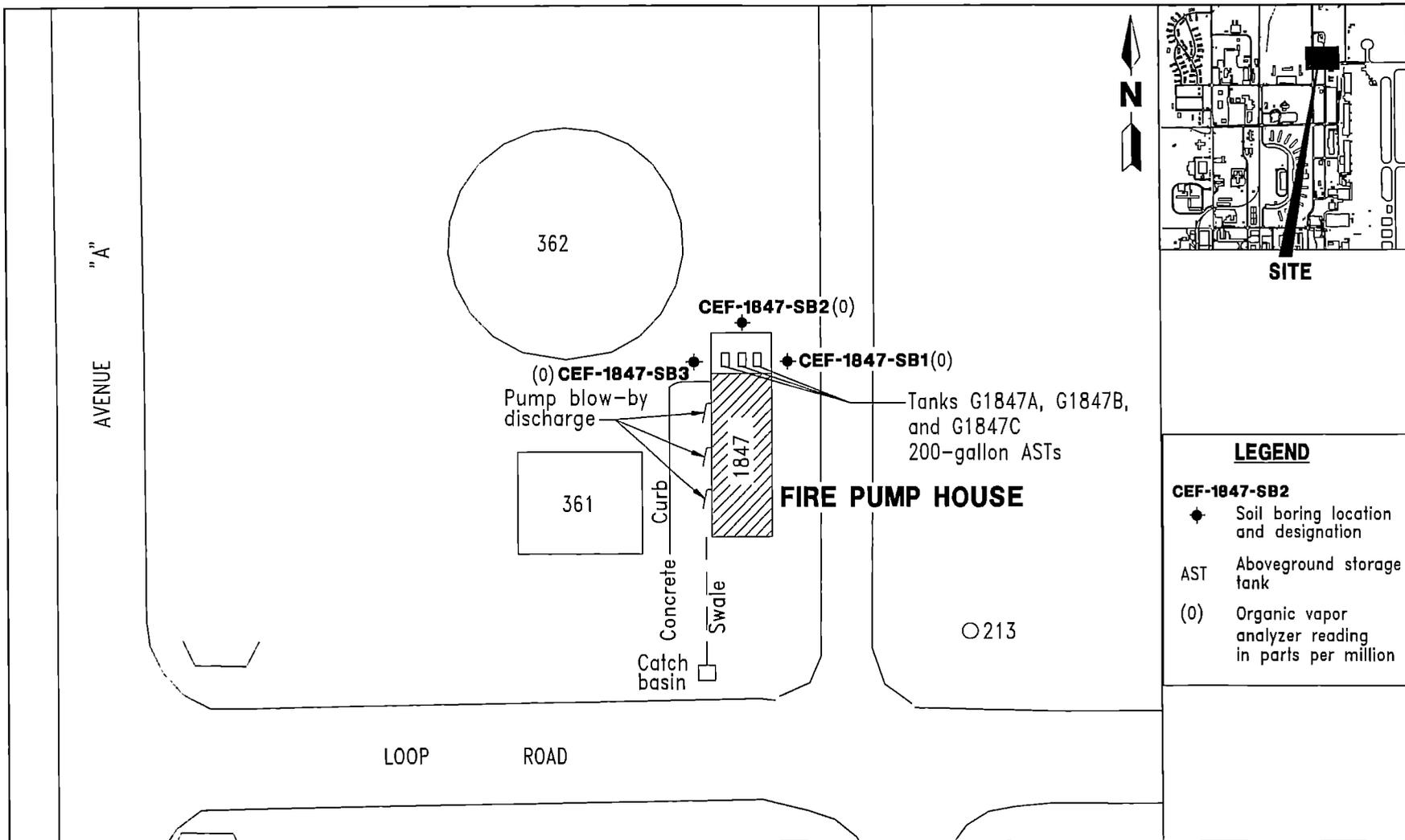
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