CLOSURE REPORT

Diesel and Mogas Tanks
Building 1506, Tanks #36 & #37
Facility ID #: 9-089016

Fort Stewart, Georgia

Prepared by

Fort Stewart Directorate of Public Works, Environmental Branch

June 1997

Fort Stewart, Georgia
Underground Storage Tank Removal and Closure Report

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Prepared by

Fort Stewart Directorate of Public Works, Environmental Branch

Georgia Department of Natural Resources

Environmental Protection Division
Underground Storage Tank Management Program
4244 International Parkway, Suite 104, Atlanta, Georgia 30354
Lonice C. Barrett, Commissioner
Harold F. Reheis, Director
(404)362-2687

CLOSURE REPORT FORM

Please complete the following form, include the listed items and check all of the boxes that apply. This form can be used as a Closure Report, provided documentation is attached when specified, to substantiate the information on this form, as outlined in the guidance document "So You Want to Close an UST?" (GUST-9). If one of the items does not apply to your tank closure, please provide a written explanation for the omission. If soil was excavated and disposed of, be sure to complete the applicable sections and attach the proper disposal documents.

1. Owner of UST System:

Name: Department of the Army
Phone Number: (912) 767-1234/2010
Company: US Army
Address: HQ, 3d Infantry Division (Mechanized) & Ft Stewart
Fort Stewart (city) GA (state) 31314-5000 (zip code)

I hereby certify that the information contained in this Closure Report and in all the attachments is true, accurate, and complete, and the Closure Report satisfies all criteria and requirements of Rule 391-3-15-.09 of the Georgia Rules for Underground Storage Tank Management.

Signature:_____ Date:_____

2. UST System Site Location:

Facility Name: FAC 1506
Street Address: 8th Street
Fort Stewart (city) GA (state) 31314-5000 (zip code)
Facility ID#: 9-089016

3. Contractor Certification:

I hereby certify that I have performed or supervised the work detailed in this report, and have examined and am familiar with the information submitted in this and all attached documents. The submitted information is, to the best of knowledge, true, accurate, complete, and in accordance with the Georgia Rules for Underground Storage Tank Management, revised February, 1995.

Name: Anderson Columbia Environmental, Inc.
Address: P.O. Box 1386
Lake City, Florida 32056-1386

Signature: [signature] Date:_____

4. Site-specific Hydrogeology:

Depth to Groundwater: 3.88 ft, if encountered (See TAB 6 for site specific data)

☐ Not Applicable

5. Site Map: Include the following items on an attached site map: (See TAB 5)

- Tank Pit Area
- Piping Trenches
- Dispensers
- Sewer Lines (if present)
- Water Lines
- Tanks with their ID#s, corresponding to the Notification Form 7530-1
- Sample Locations (with sample numbers and depths)
- Scale 1 in = 40 ft
- North Arrow

6. Tank Removal:

- Date of Removal: September 29, 1995
- Tank Information:

Tank #	Tank Size (gallons)	Tank Contents
36	25,000	Diesel
37	6,000	Mogas

(This information should correspond to the 7530-1 Form.)

- Attach Amended Notification Form 7530-1 (See Tab 6)
- Describe Soil Sampling Procedures (and groundwater, if encountered): Sampling procedures for both tank removal activities and the subsequent groundwater investigation are provided in TAB 6.

7. Laboratory Analytical Data: The following items must be included on attached copies of the data:

- Laboratory Method
- Date of Sampling
- Date of Analysis
- Detection Limits
- Signed Chain of Custody
- Quality Control Data

SEE TAB 7 for analytical data (Tank removal and Groundwater Investigation)

8. Regulated Substance Released: Check the applicable box(es).

☐ Gasoline ☐ Diesel ☐ Kerosene ☐ Used Oil ☐ Other_____

Not Applicable

9. Excavation and Treatment/Disposal of Contaminated Soil:

- Attach Soil Disposal Manifests
- Volume of Soil Excavated (less than 6 ft from USTs and 4 ft from piping or dispenser islands)

0.00 Tons OR _____ yd^3

☒ Not Applicable

10. Local Water Resources: *Attach documentation only if Table B Soil Threshold Values and/or In-Stream Water Quality Standards are proposed for soil disposal, or No Further Action Required status.* Check the applicable box(es).

☐ Drinking water supplies are NOT located in:

High or average groundwater pollution susceptibility area:*
Public water systems within 2.0 miles and
Non-public water systems within 0.5 mile

OR

Low groundwater pollution susceptibility area:*
Public water systems within 1.0 mile and
Non-public water systems within 0.25 mile

* As defined by the Groundwater Pollution Susceptibility Map of Georgia.

☒ Streams, Lakes, and Ponds: Mill Creek
Distance to closest surface water body: _____ mile(s) **or** 1800 feet

☐ Not Applicable

11. Conclusions or Recommendations: Choose one.

☒ Clean Closure, thus No Further Action is Required.

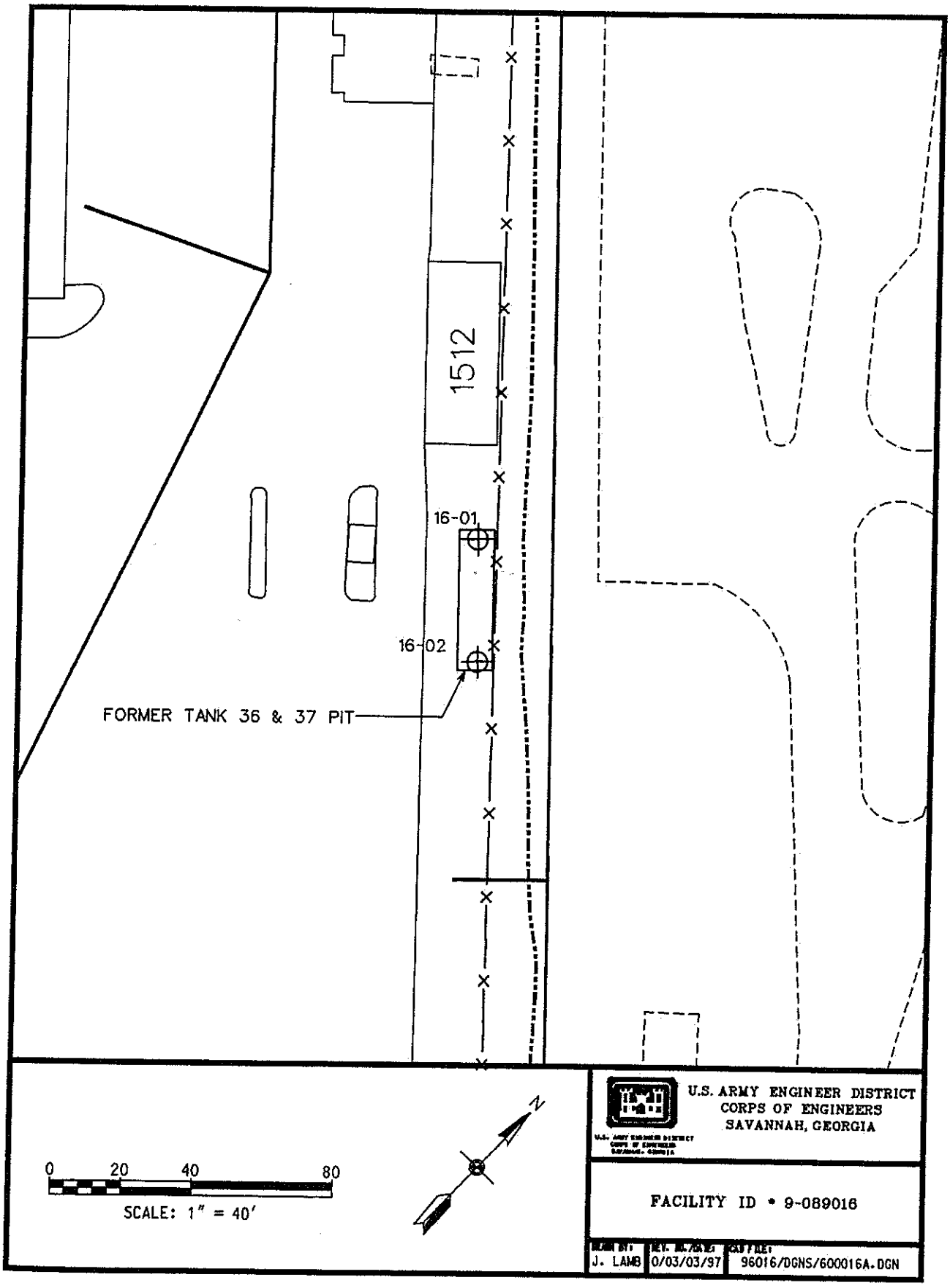
☐ Soil Excavated Within the Limits Specified in Question 7 (GUST-9) and Transported to an EPD Treatment/Disposal Facility, Thus No Further Action is Required.

INFORMATION ON MAPS

MAPS #1: Provided to Installation by SAIC after groundwater investigation

MAPS #2a-2b: Copied from Installation archives to show exact location of USTs in relation to one another and to show how systems were installed

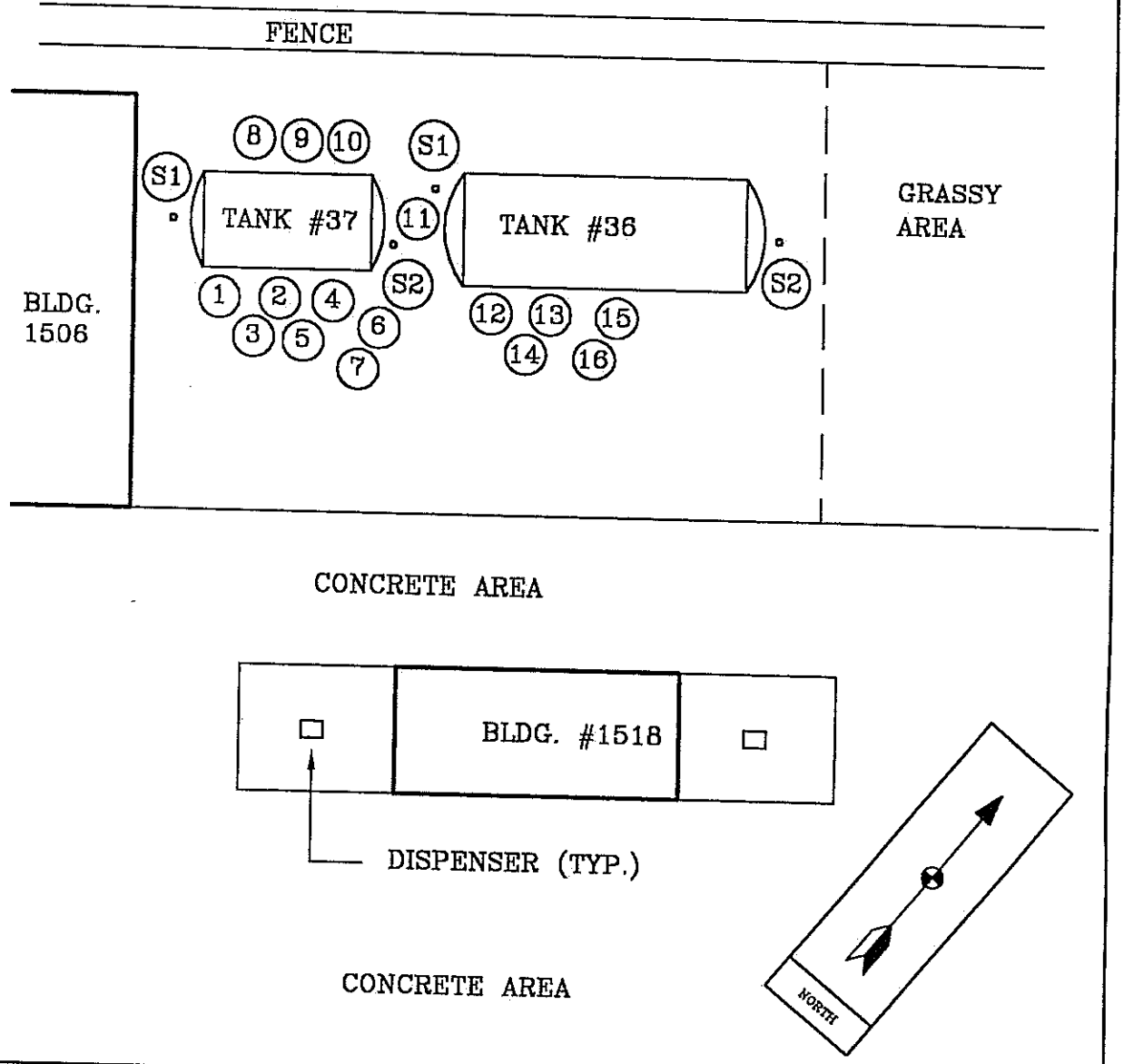
MAPS #3: Provided to Installation by ACE after removal of USTS (Not to scale)


1512
16-01
16-02
FORMER TANK 36 & 37 PIT
0
20
40
80
SCALE: 1" = 40'
N
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
SAVANNAH, GEORGIA
FACILITY ID • 9-089016
J. LAMB
0/03/03/97
96016/DGNS/600016A.DGN

Headspace Analyses

Instrument: _____ Serial #: _____
Source: _____ Temp: _____
PID Correlation: 50 ppm 500 ppm

Sample	Depth	PID	FID	Methane	VOA
1	2'	1,500		-0-	
2	4'	5,000+			
3	6'	5,000+		-0-	
4	2'	2,200			
5	6'	5,000+			
6	4'	5,000+		-0-	
7	6'	5,000+		110	4,690
8	2'	170			
9	2'	630		-0-	
10	2'	180			
11	4'	5,000+			
12	2'	2,300		-0-	
13	4'	5,000+			
14	6'	5,000+			
15	4'	5,000+		-0-	
16	6'	5,000+			



LEGEND/REF. DRWG.'S

TANK SIZE: #36 – 25,000 GAL. U.S.T.
#37 – 6,000 GAL. U.S.T.
TANK PIT DIMENSIONS:
21'–6" WIDTH, 74' LENGTH,
12' DEPTH

ANDERSON COLUMBIA
ENVIRONMENTAL, INC.
P.O. BOX 1386 LAKE CITY, FLORIDA 32056 (904) 755-1196

DR. N.A.M. CH'D _____ DR. APP. _____
ENGR. _____ ENGR.'S DEPT. _____
DATE 2–15–96 SCALE N.T.S.

JOB #8084 – FT. STEWART
BLDG. #1518
TANKS #36 & #37

DRAWING NO.: 40

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

state use only

Part I: Facility Data

FACILITY ID NUMBER: 9-089016

OWNER'S ID: 197

INITIAL DATE RECEIVED: 05-06-1986

DATE AMENDED LAST:

NOTIFICATION TYPE: [ ] New [X] Amended [X] Closure

OWNERSHIP OF TANK(S):

NUMBER OF TANK(S): 2

Name : US ARMY/FT STEWART
Mailing Address: HQ 24TH INF DIV (M) ,AFZP-DEV/BLDG 1139
City : FT STEWART State : GA Zip Code: 31314-5000
Phone: (912) 767-1071 County: LIBERTY

TION OF TANK(S):

Name : FT STEWART/FAC 1506
Street Address: FAC 1506
City : FT STEWART State : GA Zip Code : 31314-5000
County: LIBERTY Latitude: : : Longitude: : :
Phone : ( ) -

OWNER TYPE: [X] Federal [ ] State [ ] Local [ ] Commercial [ ] Private

FACILITY TYPE(S):

[ ] Gas Station
[ ] Petroleum Dist
[ ] Air Taxi (Airport)
[ ] Aircraft Owner
[ ] Auto Dealership
[ ] Railroad
[ ] Hospital
[ ] Local Government
[ ] State Government
[ ] Fed Non-Military
[X] Fed Military
[ ] Commercial
[ ] Industrial
[ ] Educational
[ ] Contractor
[ ] Truck/Transport
[ ] Utilities
[ ] Farm
[ ] Residential
[ ] Other

CONTACT PERSON IN CHARGE OF TANK(S):

Name : US ARMY/FT STEWART Title: JOHN SPEAR/ENV ENG
Address: HQ 24TH INF DIV (M), AFZP-DEV/BLDG 1139
City : FT STEWART State: GA Zip Code: 31314-5000
Phone : (912) 767-1071

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-089016	9-089016			
TANK ID	36	37			
Status of Tank					
Currently In Use	X	X			
Temp. Out of Use					
Perm. Out of Use	X	X			
Date of Installation	01-01-1982	01-01-1982			
Age	13	13			
Est. Total Capacity	25,000	6,000			
Material of Construction					
Asphalt or Bare Steel	X	X			
Cath. Protected Steel					
Epoxy Coated Steel					
Composite					
Fiberglass Reinf. Plas.					
Lined Interior					
Double Walled					
Poly. Tank Jacket					
Concrete					
Excavation Liner					
Unknown					
Other, explanation					
[illegible]e Tank Repaired					
Pi[illegible] Material					
[illegible]are Steel					
Galvanized Steel	X	X			
Fiberglass					
Copper					
Cathodically Protected					
Double Walled					
Secondary Containment					
Unknown					
Other, explanation					
Date Piping Installed					
Piping Type					
Suction: No Valve					
Suction: Valve					
Pressure					
Gravity Fed					
Date Piping Repaired					
Substance Stored in Tank					
Gasoline		X			
Diesel	X	X			
Gasohol					
Kerosene					
Heating Oil					
Used Oil					
[illegible]pane					
[illegible]y					
Other, explanation					

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-089016	9-089016
TANK ID	36	37
Substance Stored in Tank		
Hazardous Substance		
CERCLA Name		
CAS Number		
Mixture		
Mixture, Specification		
Out of Use/Change Service	Tank Piping	Tank Piping
Est. Date Last Used	4-95	4-95
Est. Date Closed	09-29-95	09-29-95
Removed from Ground		
Closed in Ground	X X	X
Filled with Inert Mat.		
Change in Service		
Site Assessment Compl.		
Leak Detected		
Installation		
Certified by Mfg		
Certified by Imple Agn.		
Inspected by Engineer		
Checklists Completed		
Other Allowed Method		
Method Description		
Release Detection	Tank Piping	Tank Piping
Tank Tightness Testing		
Inventory Controls		
SIR		
Automatic Tank Gauging		
Inter. Mon./Double Wall		
Groundwater Monitoring		
Manual Tank Gauging		
Vapor Monitoring		
Inter. Mon./Sec. Cont.		
Auto. Line Leak Detect.		
Line Tightness Testing		
Other Method		
Other Description		
Spill and Overfill		
Date Overfill Device		
Date Spill Device		
Installer Certification		
Name		
Position		
Company		
Date		

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part III: Certifications

OATH OF INSTALLATION: I certify the information concerning installation of the UST system, release detection, and spill/overflow protection specified in Part II-Tank Data is true to the best of my belief and knowledge.

Installer:

Company	Company Address
Authorized Representative	Signature Date
Title	Telephone Number (include Area Code)

CERTIFICATION: 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.

Owner: JOHN H. SPEARS (Owner Name) Chief, Environmental Branch (Title)

Owner's Signature Date

TAB 6
FIELD ASSESSMENT METHODS (Groundwater Investigation)

The groundwater investigation at the site included the following activities:

1. Drill two soil boreholes located within the former tank pit down to the local water table using a hollow-stem auger rig. In cases where two USTs are present at a site, drill one soil borehole near the center of each former tank pit.

2. Continuously collect soil samples from 2.5 foot intervals during borehole drilling and perform field headspace gas analysis on each sample to determine organic vapor concentration.

3. Select soil samples for laboratory analysis according to the criteria noted below for each borehole drilled. Chemical parameters for soil samples submitted for laboratory analysis included BTEX, PAH, and TPH.

In boreholes where organic vapors were detected, collect one soil sample from the 2.5-foot interval where the highest vapor concentration was encountered, and the other from the 2.5-foot interval located immediately above or at the water table.

In boreholes where no organic vapors were detected, collect no soil samples for chemical analysis.

4. Upon reaching the water table, collect one groundwater sample from each borehole using a Hydropunch II or similar sampling device. Chemical parameters for groundwater samples submitted for laboratory analysis included BTEX and PAH.

GROUNDWATER DEPTH MEASUREMENTS AND CALCULATED GROUNDWATER ELEVATIONS

Tanks	Borehole	Water Level Depth	Ground Surface Elevation	Water Level Elevation
36 & 37	16-01	3.88 feet BGS	74.56 feet MLS	70.68 feet MLS
	16-02	3.89 feet BGS	74.75 feet MLS	70.86 feet MLS

TAB 6

FIELD ASSESSMENT METHODS (Tank Removal)

SOIL SAMPLES

Soil samples for analytical testing were collected by Anderson Columbia Environmental, Inc. (ACE) personnel two (2) feet below both ends of each excavated tank pit (i.e., two (2) samples at Tank #36 and two (2) samples at Tank #37). Soil samples were collected into precleaned, labeled laboratory sample bottles and immediately placed on ice. The samples were shipped under Chain of Custody to the Corps of Engineers contract laboratory, James H. Carr & Associates, Inc., Environmental Services, located in Columbia, South Carolina.

Soil samples for field screening were collected by ACE personnel from each side of the excavation and from the bottom of the excavated tank pit. Soil samples were collected at various intervals and soil vapors were withdrawn for volatile organic compounds (VOCs) with a Heath PORTA-FID II, Model No. 8000 Flame Ionization Detector (FID) fitted with a membrane filter. Calibration was performed prior to field sampling with a 100 ppm methane/air mixture.

FID readings of soil samples were collected by filling a clean glass jar one-half full with soil, capping the jar with clean aluminum foil and allowing conditions to equilibrate for approximately 15 minutes. The tip of the FID was then carefully inserted through the aluminum foil and an air sample from the jar's headspace was analyzed for total VOCs.

LABORATORY ANALYTICAL RESULTS

Analytical results for USTs #36 and #37 with the corresponding data validation and chain of custody is provided for your use and convenience. The analytical results from the groundwater investigation (Fall 1996) is followed by the analytical results from the UST removal (Spring 1995). All contaminants detected above their respective detection limits have been highlighted.

NOTE: Map #1, included in Tab 5, indicate sampling locations for the groundwater investigation. Map #3, also included in Tab 5, indicate sampling locations from the tank removal.

Investigation: 16

	Station	16-01	16-02	16-02
	Sample ID	1601B1	1602A1	1602B1
	Date Collected	9/6/96	9/6/96	9/6/96
	Depth	2.5 - 5.0 FT	1.0 - 2.5 FT	2.5 - 5.0 FT
	GDNR Level			
Polynuclear Aromatic Hydrocarbons	**MG/KG**	**MG/KG**	**MG/KG**	**MG/KG**
2-Chloronaphthalene	NA	0.394 U	0.348 U	0.364 U
Acenaphthene	NA	0.394 U	0.348 U	0.364 U
Acenaphthylene	NA	0.394 U	0.348 U	0.364 U
Anthracene	NA	0.394 U	0.348 U	0.364 U
Benzo(a)anthracene	NA	0.394 U	0.348 U	0.682 =
Benzo(a)pyrene	NA	0.394 U	0.348 U	0.727 =
Benzo(b)fluoranthene	NA	0.394 U	0.348 U	0.81 =
Benzo(g,h,i)perylene	NA	0.394 U	0.348 U	0.427 =
Benzo(k)fluoranthene	NA	0.394 U	0.348 U	0.386 =
Chrysene	NA	0.394 U	0.348 U	0.853 =
Dibenzo(a,h)anthracene	NA	0.394 U	0.348 U	0.364 U
Fluoranthene	NA	0.394 U	0.348 U	1.72 =
Fluorene	NA	0.394 U	0.348 U	0.364 U
Indeno(1,2,3-cd)pyrene	NA	0.394 U	0.348 U	0.448 =
Naphthalene	NA	0.394 U	0.348 U	0.364 U
Phenanthrene	NA	0.394 U	0.348 U	0.364 U
Pyrene	NA	0.394 U	0.348 U	2.19 =
	GDNR Level			
Petroleum Hydrocarbons	**MG/KG**	**MG/KG**	**MG/KG**	**MG/KG**
TPH-Diesel Range Organics	NRC	37.18 =	0.43 U	16.7 =
TPH-Gasoline Range Organics	NRC	0.359 J	0.106 U	0.112 UJ
	GDNR Level			
Volatile Organics	**MG/KG**	**MG/KG**	**MG/KG**	**MG/KG**
Benzene	0.008	0.006 U	0.0053 U	0.0056 U
Ethylbenzene	10	0.006 U	0.0053 U	0.0056 U
Toluene	6	0.006 U	0.0053 U	0.0056 U
Xylenes, Total	700	0.006 U	0.0053 U	0.0056 U

NRC - No Regulatory Criteria
NA - Not Applicable, the health based threshold level would be exceeded only if free product conditions existed

U - Indicates the compound was not detected at the concentration reported.
J - Indicates that the value for the compound is an estimated value.
UJ - Indicates the compound was not detected at the reported concentration and the concentration was estimated.
= - Indicates the compound was detected at the concentration reported.

Soil Analytical Results for the
Facility ID #9-089016, USTs 36 and 37, Site Investigation

Science Applications International Corporation — An Employee-Owned Company
800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4800

CHAIN OF CUSTODY RECORD

COC NO.: G0004 +

PROJECT NAME: Fort Stewart UST Sites

PROJECT NUMBER: 0003

PROJECT MANAGER: Chris Potter

Sampler (Signature): [signature] (Printed Name): SHARON STOLLER

LABORATORY NAME: GEL

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29417

PHONE NO:(803) 556-8171

Sample ID	Date Collected	Time Collected	Matrix	REQUESTED PARAMETERS: BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, LEAD, TPH	PAH, TPH	PAH, D22					No. of Bottles/Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
1504B1	9/7/96	0902	SOIL	1								1					2	0 ppm	
1507B1	9/7/96	1015	SOIL	1								1					2	0 ppm	
1504A1	9/7/96	0900	SOIL	1		1											2	17.4 ppm	
1508A1	9/7/96	1133	SOIL	1		1											2	22.7 ppm	
1508B1	9/7/96	1137	SOIL	1								1					2	23.5 ppm	
0504B1	9/7/96	0845	SOIL		1					1							2	6.8 ppm	
0503B1	9/7/96	1040	SOIL		1						1						2	0 ppm	
0503D1	9/7/96	1100	SOIL		1					1							2	0 ppm	
0504D1	9/7/96	0855	SOIL		1						1						2	2.9 ppm	
1505A1	9/6/96	1109	SOIL	1								1					2	0 ppm	
1602A1	9/6/96	1625	SOIL	1								1					2	3.4 ppm	
3904E1	9/6/96	0920	SOIL	1		1											2	1999 ppm	OVA readings were questionable
1502A1	9/6/96	1522	SOIL	1								1					2	1.5 ppm	

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS: 52	Cooler Temperature:
[signature]	9/9/96 1340			Cooler ID: #125	
COMPANY NAME: SAIC		COMPANY NAME:			
RECEIVED BY: Raynle Reed	Date/Time 9/8/96 1310	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY: Raynle Reed	Date/Time 9/8/96 1630	RECEIVED BY: [signature]	Date/Time 09-09-96 16:30		
COMPANY NAME: GEL		COMPANY NAME: GEL			

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1601B1

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69087S

Matrix: (soil/water) SOIL Lab Sample ID: 9609087-08

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1Z316

% Moisture: 16 decanted: (Y/N) N Date Received: 09/08/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted:N/A

Concentrated Extract Volume: 10(ml) Date Analyzed: 09/11/96

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
71-43-2	Benzene	6.0	U
108-88-3	Toluene	6.0	U
100-41-4	Ethylbenzene	6.0	U
1339-20-70	Xylenes (total)	6.0	U

U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1601B1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69087S

Matrix: (soil/water) SOIL Lab Sample ID: 9609087-08

Sample wt/vol: 5.0 (g/mL) g Lab File ID: A1Z316

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: not dec. 16 Date Analyzed: 09/11/96

GC Column: J&W DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
	---------- Gasoline Range Organics	359	J CDS

DATA VALIDATION COPY

1D

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1602A1

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69086S

Matrix: (soil/water) SOIL Lab Sample ID: 9609086-05

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2Y112

% Moisture: 6 decanted: (Y/N) N Date Received: 09/08/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted:N/A

Concentrated Extract Volume: 10(ml) Date Analyzed: 09/09/96

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
71-43-2	Benzene	5.3	U
108-88-3	Toluene	5.3	U
100-41-4	Ethylbenzene	5.3	U
1330-20-7	Xylenes (total)	5.3	U

DATA VALIDATION COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1602A1

ɔ Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69086S

Matrix: (soil/water) SOIL Lab Sample ID: 9609086-05

Sample wt/vol: 5.0 (g/mL) g Lab File ID: A1A39

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: not dec. 6 Date Analyzed: 09/18/96

GC Column: J&W DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q	
	----------Gasoline Range Organics	106	U	U

1D

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1602B1

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69087S

Matrix: (soil/water) SOIL Lab Sample ID: 9609087-06

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1Z313

% Moisture: 11 decanted: (Y/N) N Date Received: 09/08/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted:N/A

Concentrated Extract Volume: 10(ml) Date Analyzed: 09/11/96

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
71-43-2	Benzene	5.6	U
108-88-3	Toluene	5.6	U
100-41-4	Ethylbenzene	5.6	U
1339-20-70	Xylenes (total)	5.6	U

C

DATA VALIDATED

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1602B1

.b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69087S

Matrix: (soil/water) SOIL Lab Sample ID: 9609087-06

Sample wt/vol: 5.0 (g/mL) g Lab File ID: A1Z313

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: not dec. 11 Date Analyzed: 09/11/96

GC Column: J&W DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q	
	---------- Gasoline Range Organics	112	U	USCDS

DATA VALIDATION COPY

Science Applications International Corporation — An Employee-Owned Company

800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600

CHAIN OF CUSTODY RECORD

COC NO.: GØØ13

PROJECT NAME: Fort Stewart UST Sites

PROJECT NUMBER: 0003

PROJECT MANAGER: Chris Potter

Sampler (Signature): [signature] **(Printed Name):** Sharon Spuller

LABORATORY NAME: GEL

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29417

PHONE NO: (803) 556-8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, LEAD, TPH	PAH, TPH	PAH, DRO	TPH			No. of Bottles/Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
Ø4ØIR5	9/7/96	ØB4Ø	WATER				2	1					2			5		
ØIØIW2	9/6/96	12Ø5	WATER				2									2		
ØIØ2W2	9/6/96	14Ø2Ø	WATER				2									2		
16ØIW2	9/6/96	15ØØ	WATER				2									2		

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS: 11	Cooler Temperature:
COMPANY NAME: SAIC	9/8/96 1310	COMPANY NAME:		Cooler ID: #76	3
RECEIVED BY: Raymond Reed	Date/Time 9/8/96	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL	1310	COMPANY NAME:			
RELINQUISHED BY: Raymond Reed	Date/Time 9/8/96	RECEIVED BY: [signature]	Date/Time 9-9-96		
COMPANY NAME: GEL	1630	COMPANY NAME: GEL	16:30		

Science Applications International Corporation
An Employee-Owned Company
800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600

CHAIN OF CUSTODY RECORD

COC NO.: G00..

PROJECT NAME: Fort Stewart UST Sites

PROJECT NUMBER: 0003

PROJECT MANAGER: Chris Potter

Sampler (Signature): [signature] **(Printed Name):** Stephen Stoller

LABORATORY NAME: GEL

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29417

PHONE NO: (803) 556-8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	No. of Bottles/Vials	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
TB0008	9/6/96	0759	WATER		2					2		
1601W2	9/6/96	1500			2					2		
0101W2	9/6/96	1020			2					2		
1506W4	9/6/96	1340			2					2		
1502W2	9/6/96	1535			2					2		sample water only, not product
0202W2	9/6/96	1335			2					2		
1602W2	9/6/96	1638			2					2		
~~0106A1~~ SLS 9/8/96												
SLS 9/8/96 1604W4	9/6/96	1135			2					2		
1501W2	9/6/96	1006			2					2		
0201W2	9/6/96	1550			2					2		
SLS 9/8/96 1602R6	9/6/96	1550		2	2							
3904W2	9/6/96	945			2					2		

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
[signature]	9/8/96		
COMPANY NAME: SAIC	1310	COMPANY NAME:	
RECEIVED BY: Raymond E Reed	Date/Time 9/8/96	RELINQUISHED BY:	Date/Time
COMPANY NAME: G.E.L.	1310	COMPANY NAME:	
RELINQUISHED BY: Raymond E Reed	Date/Time 9/8/96	RECEIVED BY: [signature]	Date/Time 09-09-96
COMPANY NAME: GEL	1630	COMPANY NAME: GEL	16:30

TOTAL NUMBER OF CONTAINERS: 84

Cooler ID: #237

Cooler Temperature: 5.6

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1601W2

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69090W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609090-09

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2K219

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:09/09/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/10/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
91-20-3	naphthalene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	8.7	J
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

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DATA VALIDATION COPY

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1602W2

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69090W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609090-04

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2K214

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:09/09/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/10/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
91-20-3	naphthalene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	10.0	U
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

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DATA VALIDATION COPY

JAMES H. CARR & ASSOCIATES, INC.
Environmental Services

919 True Street ▪ P.O. Box 90209 ▪ Columbia, SC 29290
(803) 776-7789 ▪ (800) 435-3995 ▪ FAX (803) 783-2192

FINAL REPORT OF ANALYSES

ANDERSON COLUMBIA ENVIRON.,INC
P.O. Box 1386
Lake City, FL 32056
Attn: Mr. David Black

REPORT DATE: 11/08/95
PROJECT NAME- Ft.Stewart 9/29

SAMPLE ID- #37-T1-S1
LOCATION- FT. Stewart
SAMPLE NUMBER- 10009
SAMPLE MATRIX- SOIL

DATE SAMPLED- 09/27/95
TIME SAMPLED- 1240
DATE RECEIVED- 09/29/95

TIME RECEIVED- 1111
DELIVERED BY- Greyhound
RECEIVED BY- LC
SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT	UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	75.0	%	0.01		10/05/95		
TOT. PET. HYDROCARBONS-OIL	19.9	mg/Kg	13.3	10/02/95	10/05/95	9071	
VOLATILE ORGANIC COMPOUNDS					10/09/95	8020	
BENZENE	<1.33	ug/Kg	1.33				
TOLUENE	<1.33	ug/Kg	1.33				
CHLOROBENZENE	<1.33	ug/Kg	1.33				
M,P-XYLENES	39.2	ug/Kg	1.33				
O-XYLENES	<1.33	ug/Kg	1.33				
ETHYL BENZENE	10.8	ug/Kg	1.33				
1,2-DICHLOROBENZENE	35.9	ug/Kg	1.33				
1,3-DICHLOROBENZENE	<1.33	ug/Kg	1.33				
1,4-DICHLOROBENZENE	<1.33	ug/Kg	1.33				
SURROGATE BROMOFLUOROBENZENE	67.4	% Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	90.8	% Recovery					
MTBE	<6.67	ug/Kg	6.67				
DIPE	<6.67	ug/Kg	6.67				
POLYNUCLEAR AROMATIC HYDROCARB				10/06/95	10/30/95	8100	
NAPHTHALENE	<880.	ug/Kg	880.				
ACENAPHTHYLENE	<880.	ug/Kg	880.				
ACENAPHTHENE	<880.	ug/Kg	880.				
FLUORENE	<880.	ug/Kg	880.				
PHENANTHRENE	2590	ug/Kg	880.				
ANTHRACENE	<880.	ug/Kg	880.				
FLUORANTHENE	<880.	ug/Kg	880.				
PYRENE	<880.	ug/Kg	880.				
BENZO(A)ANTHRACENE	<880.	ug/Kg	880.				

CONTINUATION OF DATA FOR SAMPLE NUMBER 10009

ANALYSIS	RESULT	UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
CHRYSENE	<880.	ug/Kg	880.				
BENZO(B)FLUORANTHENE	<880.	ug/Kg	880.				
BENZO(K)FLUORANTHENE	<880.	ug/Kg	880.				
BENZO(A)PYRENE	<880.	ug/Kg	880.				
INDENO(1,2,3-CD)PYRENE	<880.	ug/Kg	880.				
DIBENZ(A,H)ANTHRACENE	<880.	ug/Kg	880.				
BENZO(G,H,I)PERYLENE	<880.	ug/Kg	880.				
SURROGATE 2-FLUOROBIPHENYL	84.2	% Recovery					
SURROGATE O-TERPHENYL	106	% Recovery					

SAMPLE ID- #37-T1-S2 **TIME RECEIVED- 1111**
LOCATION- FT. Stewart **DATE SAMPLED- 09/27/95** **DELIVERED BY- Greyhound**
SAMPLE NUMBER- 10010 **TIME SAMPLED- 1245** **RECEIVED BY- LC**
SAMPLE MATRIX- SOIL **DATE RECEIVED- 09/29/95** **SAMPLER- Lamar L. Kennedy**

ANALYSIS	RESULT	UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
SOLIDS	79.4	%	0.01		10/05/95		
T. PET. HYDROCARBONS-OIL	<12.6	mg/Kg	12.6	10/02/95	10/05/95	9071	
VOLATILE ORGANIC COMPOUNDS					10/09/95	8020	
BENZENE	<1.26	ug/Kg	1.26				
TOLUENE	150	ug/Kg	1.26				
CHLOROBENZENE	<1.26	ug/Kg	1.26				
M,P-XYLENES	9.67	ug/Kg	1.26				
O-XYLENES (56.71)	47.4	ug/Kg	1.26				
ETHYL BENZENE	9.57	ug/Kg	1.26				
1,2-DICHLOROBENZENE	<1.26	ug/Kg	1.26				
1,3-DICHLOROBENZENE	39.3	ug/Kg	1.26				
1,4-DICHLOROBENZENE	<1.26	ug/Kg	1.26				
SURROGATE BROMOFLUOROBENZENE	66.8	% Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	79.5	% Recovery					
MTBE	<6.30	ug/Kg	6.30				
DIPE	<6.30	ug/Kg	6.30				
POLYNUCLEAR AROMATIC HYDROCARB				10/06/95	10/30/95	8100	
NAPHTHALENE	<831.	ug/Kg	831.				
ACENAPHTHYLENE	<831.	ug/Kg	831.				
ACENAPHTHENE	<831.	ug/Kg	831.				
FLUORENE	<831.	ug/Kg	831.				
PHENANTHRENE	<831.	ug/Kg	831.				
ANTHRACENE	<831.	ug/Kg	831.				

CONTINUATION OF DATA FOR SAMPLE NUMBER 10010

ANALYSIS	RESULT	UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
FLUORANTHENE	<831.	ug/Kg	831.				
PYRENE	<831.	ug/Kg	831.				
BENZO(A)ANTHRACENE	<831.	ug/Kg	831.				
CHRYSENE	<831.	ug/Kg	831.				
BENZO(B)FLUORANTHENE	<831.	ug/Kg	831.				
BENZO(K)FLUORANTHENE	<831.	ug/Kg	831.				
BENZO(A)PYRENE	<831.	ug/Kg	831.				
INDENO(1,2,3-CD)PYRENE	<831.	ug/Kg	831.				
DIBENZ(A,H)ANTHRACENE	<831.	ug/Kg	831.				
BENZO(G,H,I)PERYLENE	<831.	ug/Kg	831.				
SURROGATE 2-FLUOROBIPHENYL	50.4	% Recovery					
SURROGATE O-TERPHENYL	75.2	% Recovery					

SAMPLE ID- #36-T1-S1 **TIME RECEIVED- 1111**
LOCATION- FT. Stewart **DATE SAMPLED- 09/27/95** **DELIVERED BY- Greyhound**
SAMPLE NUMBER- 10011 **TIME SAMPLED- 1620** **RECEIVED BY- LC**
SAMPLE MATRIX- SOIL **DATE RECEIVED- 09/29/95** **SAMPLER- Lamar L. Kennedy**

LYSIS	RESULT	UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	84.8	%	0.01		10/05/95		
TOT. PET. HYDROCARBONS-OIL	147.	mg/Kg	11.8	10/02/95	10/05/95	9071	
VOLATILE ORGANIC COMPOUNDS					10/09/95	8020	
BENZENE	<1.18	ug/Kg	1.18				
TOLUENE	18.2	ug/Kg	1.18				
CHLOROBENZENE	<1.18	ug/Kg	1.18				
M,P-XYLENES	91.5	ug/Kg	1.18				
O-XYLENES	<1.18	ug/Kg	1.18				
ETHYL BENZENE	68.8	ug/Kg	1.18				
1,2-DICHLOROBENZENE	<1.18	ug/Kg	1.18				
1,3-DICHLOROBENZENE	<1.18	ug/Kg	1.18				
1,4-DICHLOROBENZENE	<1.18	ug/Kg	1.18				
SURROGATE BROMOFLUOROBENZENE	115	% Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	116	% Recovery					
MTBE	<5.90	ug/Kg	5.90				
DIPE	<5.90	ug/Kg	5.90				
POLYNUCLEAR AROMATIC HYDROCARB				10/06/95	10/30/95	8100	
NAPHTHALENE	<778.	ug/Kg	778.				
ACENAPHTHYLENE	<778.	ug/Kg	778.				
ACENAPHTHENE	<778.	ug/Kg	778.				

CONTINUATION OF DATA FOR SAMPLE NUMBER 10011

ANALYSIS	RESULT	UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
FLUORENE	<778.	ug/Kg	778.				
PHENANTHRENE	1480	ug/Kg	778.				
ANTHRACENE	<778.	ug/Kg	778.				
FLUORANTHENE	<778.	ug/Kg	778.				
PYRENE	1070	ug/Kg	778.				
BENZO(A)ANTHRACENE	<778.	ug/Kg	778.				
CHRYSENE	<778.	ug/Kg	778.				
BENZO(B)FLUORANTHENE	<778.	ug/Kg	778.				
BENZO(K)FLUORANTHENE	<778.	ug/Kg	778.				
BENZO(A)PYRENE	<778.	ug/Kg	778.				
INDENO(1,2,3-CD)PYRENE	<778.	ug/Kg	778.				
DIBENZ(A,H)ANTHRACENE	<778.	ug/Kg	778.				
BENZO(G,H,I)PERYLENE	<778.	ug/Kg	778.				
SURROGATE 2-FLUOROBIPHENYL	115	% Recovery					
SURROGATE O-TERPHENYL	144	% Recovery					

SAMPLE ID- #36-T1-S2 **TIME RECEIVED- 1111**
LOCATION- FT. Stewart **DATE SAMPLED- 09/27/95** **DELIVERED BY- Greyhound**
SAMPLE NUMBER- 10012 **TIME SAMPLED- 1625** **RECEIVED BY- LC**
SAMPLE MATRIX- SOIL **DATE RECEIVED- 09/29/95** **SAMPLER- Lamar L. Kennedy**

ANALYSIS	RESULT	UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	78.5	%	0.01		10/05/95		
TOT. PET. HYDROCARBONS-OIL	82.8	mg/Kg	12.7	10/02/95	10/05/95	9071	
VOLATILE ORGANIC COMPOUNDS					10/09/95	8020	
BENZENE	<1.27	ug/Kg	1.27				
TOLUENE	<1.27	ug/Kg	1.27				
CHLOROBENZENE	<1.27	ug/Kg	1.27				
M,P-XYLENES	<1.27	ug/Kg	1.27				
O-XYLENES	<1.27	ug/Kg	1.27				
ETHYL BENZENE	<1.27	ug/Kg	1.27				
1,2-DICHLOROBENZENE	<1.27	ug/Kg	1.27				
1,3-DICHLOROBENZENE	<1.27	ug/Kg	1.27				
1,4-DICHLOROBENZENE	<1.27	ug/Kg	1.27				
SURROGATE BROMOFLUOROBENZENE	46.4	% Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	81.4	% Recovery					
MTBE	<6.37	ug/Kg	6.37				
DIPE	<6.37	ug/Kg	6.37				
POLYNUCLEAR AROMATIC HYDROCARB				10/06/95	10/30/95	8100	

CONTINUATION OF DATA FOR SAMPLE NUMBER 10012

ANALYSIS	RESULT	UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
NAPHTHALENE	<841	ug/Kg	841				
ACENAPHTHYLENE	<841	ug/Kg	841				
ACENAPHTHENE	<841	ug/Kg	841				
FLUORENE	<841	ug/Kg	841				
PHENANTHRENE	<841	ug/Kg	841				
ANTHRACENE	<841	ug/Kg	841				
FLUORANTHENE	<841	ug/Kg	841				
PYRENE	<841	ug/Kg	841				
BENZO(A)ANTHRACENE	<841	ug/Kg	841				
CHRYSENE	<841	ug/Kg	841				
BENZO(B)FLUORANTHENE	<841	ug/Kg	841				
BENZO(K)FLUORANTHENE	<841	ug/Kg	841				
BENZO(A)PYRENE	<841	ug/Kg	841				
INDENO(1,2,3-CD)PYRENE	<841	ug/Kg	841				
DIBENZ(A,H)ANTHRACENE	<841	ug/Kg	841				
BENZO(G,H,I)PERYLENE	<841	ug/Kg	841				
SURROGATE 2-FLUOROBIPHENYL	85.0	% Recovery					
SURROGATE O-TERPHENYL	58.2	% Recovery					

PLE ID- Trip Blank
ATION- FT. Stewart
SAMPLE NUMBER- 10013
SAMPLE MATRIX- GROUNDWATER
DATE SAMPLED- 09/27/95
TIME SAMPLED- NA
DATE RECEIVED- 09/29/95
TIME RECEIVED- 1111
DELIVERED BY- Greyhound
RECEIVED BY- LC
SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT	UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
VOLATILE ORGANIC COMPOUNDS					10/12/95	8020	
BENZENE	< 1	ug/L	1				
TOLUENE	< 1	ug/L	1				
CHLOROBENZENE	< 1	ug/L	1				
M,P-XYLENES	< 2	ug/L	2				
O-XYLENES	< 1	ug/L	1				
ETHYL BENZENE	< 1	ug/L	1				
1,2-DICHLOROBENZENE	< 1	ug/L	1				
1,3-DICHLOROBENZENE	< 1	ug/L	1				
1,4-DICHLOROBENZENE	< 1	ug/L	1				
SURROGATE BROMOFLUOROBENZENE	78.8	% Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	97.2	% Recovery					
MTBE	< 1	ug/L	1				
DIPE	< 1	ug/L	1				

SCDHEC Laboratory ID 40111

ORATORY DIRECTOR _____
James H. Carr

JAMES H. CARR & ASSOCIATES, INC.
Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON.,INC 11/08/95

QA/QC for SAMPLE Nos: 10009, 10010, 10011, 10012, 10013,

				Precision Data			Accuracy Data					Ref. Sample Data				
Analysis	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	Analy. Batch Number
BENZENE	< 1	-------	BS	20.1	19.9	1.00	BS	0	20.0	20.1	100.5	----------	--------	--------	------	10065, 10065, 10065,
8020	--------	------		--------	--------	------	BSD	0	20.0	19.9	99.5	----------	--------	--------	------	, , 10065,
ug/L																
TOLUENE	< 1	-------	BS	21.6	20.3	6.21	BS	0	20.0	21.6	108.0	----------	--------	--------	------	10065, 10065, 10065,
8020	--------	------		--------	--------	------	BSD	0	20.0	20.3	101.5	----------	--------	--------	------	, , 10065,
ug/L																
CHLOROBENZENE	< 1	-------	BS	21.0	19.4	7.92	BS	0	20.0	21.0	105.0	----------	--------	--------	------	10065, 10065, 10065,
8020	--------	------		--------	--------	------	BSD	0	20.0	19.4	97.0	----------	--------	--------	------	, , 10065,
ug/L																
M,P-XYLENES	< 2	-------	BS	45.5	42.1	7.76	BS	0	40.0	45.5	113.8	----------	--------	--------	------	10065, 10065, 10065,
8020	--------	------		--------	--------	------	BSD	0	40.0	42.1	105.3	----------	--------	--------	------	, , 10065,
ug/L																
O-XYLENES	< 1	-------	BS	21.7	20.6	5.20	BS	0	20.0	21.7	108.5	----------	--------	--------	------	10065, 10065, 10065,
8020	--------	------		--------	--------	------	BSD	0	20.0	20.6	103.0	----------	--------	--------	------	, , 10065,
ug/L																

JAMES H. CARR & ASSOCIATES, INC.
Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON.,INC 11/08/95

QA/QC for SAMPLE Nos: 10009, 10010, 10011, 10012, 10013,

				Precision Data			Accuracy Data					Ref. Sample Data				
Analysis	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	Analy. Batch Number
ETHYL BENZENE	< 1	-------	BS	22.5	20.9	7.37	BS	0	20.0	22.5	112.5	----------	--------	--------	------	10065, 10065, 10065,
8020	--------	------		--------	--------	------	BSD	0	20.0	20.9	104.5	----------	--------	--------	------	, , 10065,
ug/L																
1,2-DICHLOROBENZEN	< 1	-------	BS	19.2	18.3	4.80	BS	0	20.0	19.2	96.0	----------	--------	--------	------	10065, 10065, 10065,
E	--------	------		--------	--------	------	BSD	0	20.0	18.3	91.5	----------	--------	--------	------	, , 10065,
8020																
ug/L																
1,3-DICHLOROBENZEN	< 1	-------	BS	21.0	19.1	9.48	BS	0	20.0	21.0	105.0	----------	--------	--------	------	10065, 10065, 10065,
E	--------	------		--------	--------	------	BSD	0	20.0	19.1	95.5	----------	--------	--------	------	, , 10065,
8020																
ug/L																
1,4-DICHLOROBENZEN	< 1	-------	BS	21.2	19.9	6.33	BS	0	20.0	21.2	106.0	----------	--------	--------	------	10065, 10065, 10065,
E	--------	------		--------	--------	------	BSD	0	20.0	19.9	99.5	----------	--------	--------	------	, , 10065,
8020																
ug/L																
SURROGATE	--------	------		--------	--------	------	B	0	50.0	31.9	63.8	----------	--------	--------	------	, , 10065,
BROMOFLUOROBENZENE	--------	------		--------	--------	------	BS	0	50.0	46.8	93.6	----------	--------	--------	------	, , 10065,
8020	--------	------		--------	--------	------	BSD	0	50.0	39.7	79.4	----------	--------	--------	------	, , 10065,
% Recovery																

JAMES H. CARR & ASSOCIATES, INC.
Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON.,INC 11/08/95

QA/QC for SAMPLE Nos: 10009, 10010, 10011, 10012, 10013,

				Precision Data			Accuracy Data					Ref. Sample Data				
Analysis	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	Analy. Batch Number
SURROGATE aaa-TRIF	--------	------		--------	--------	------	B	0	50.0	48.2	96.4	----------	--------	--------	------	, , 10065,
LUOROTOLUENE	--------	------		--------	--------	------	BS	0	50.0	50.8	101.6	----------	--------	--------	------	, , 10065,
8020	--------	------		--------	--------	------	BSD	0	50.0	50.3	100.6	----------	--------	--------	------	, , 10065,
% Recovery																
MTBE	< 1	-------	BS	18.6	20.0	7.25	BS	0	20.0	18.6	93.0	----------	--------	--------	------	10065, 10065, 10065,
8020	--------	------		--------	--------	------	BSD	0	20.0	20.0	100.0	----------	--------	--------	------	, , 10065,
ug/L																
DIPE	< 1	-------	BS	20.4	20.1	1.48	BS	0	20.0	20.4	102.0	----------	--------	--------	------	10065, 10065, 10065,
8020	--------	------		--------	--------	------	BSD	0	20.0	20.1	100.5	----------	--------	--------	------	, , 10065,
ug/L																
TOT. PET.	< 10.0	10010	MSD	2.30	3.10	29.63	---	--------	--------	--------	------	----------	--------	--------	------	9839, 9839, ,
HYDROCARBONS-OIL	--------	------		--------	--------	------	BS	.0020	.0219	.0214	88.6	----------	--------	--------	------	, , 9839,
9071																
mg/Kg																
BENZENE	< 1	-------	BS	15.0	16.0	6.45	BS	0	20.0	15.3	76.5	----------	--------	--------	------	10063, 10063, 10063,
8020	--------	------		--------	--------	------	BSD	0	20.0	16.0	80.0	----------	--------	--------	------	, , 10063,
ug/Kg																

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Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON.,INC 11/08/95

QA/QC for SAMPLE Nos: 10009, 10010, 10011, 10012, 10013,

Analysis	Blank Conc.	Sample Number	Samp Type	Precision Data: Rep A	Rep B	RPD %	Accuracy Data: Samp Type	Raw Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Ref. Sample Data: Sample ID	Target Conc.	Found Conc.	Rec. %	Analy. Batch Number
TOLUENE	< 1	-------	BS	16.6	17.2	3.55	BS	0	20.0	16.6	83.0	----------	--------	--------	------	10063, 10063, 10063,
8020	--------	------		--------	--------	------	BSD	0	20.0	17.2	86.0	----------	--------	--------	------	, , 10063,
ug/Kg																
CHLOROBENZENE	< 1	-------	BS	16.6	17.1	2.97	BS	0	20.0	16.6	83.0	----------	--------	--------	------	10063, 10063, 10063,
8020	--------	------		--------	--------	------	BSD	0	20.0	17.1	85.5	----------	--------	--------	------	, , 10063,
ug/Kg																
M,P-XYLENES	< 1	-------	BS	33.5	34.5	2.94	BS	0	40.0	33.5	83.8	----------	--------	--------	------	10063, 10063, 10063,
8020	--------	------		--------	--------	------	BSD	0	40.0	34.5	86.3	----------	--------	--------	------	, , 10063,
ug/Kg																
O-XYLENES	< 1	-------	BS	16.1	16.6	3.06	BS	0	20.0	16.1	80.5	----------	--------	--------	------	10063, 10063, 10063,
8020	--------	------		--------	--------	------	BSD	0	20.0	16.6	83.0	----------	--------	--------	------	, , 10063,
ug/Kg																
ETHYL BENZENE	< 1	-------	BS	16.3	16.8	3.02	BS	0	20.0	16.3	81.5	----------	--------	--------	------	10063, 10063, 10063,
8020	--------	------		--------	--------	------	BSD	0	20.0	16.8	84.0	----------	--------	--------	------	, , 10063,
ug/Kg																

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QC REPORT FOR ANDERSON COLUMBIA ENVIRON.,INC 11/08/95

QA/QC for SAMPLE Nos: 10009, 10010, 10011, 10012, 10013,

Analysis	Blank Conc.	Sample Number	Samp Type	Precision Data Rep A	Rep B	RPD %	Accuracy Data Samp Type	Raw Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Ref. Sample Data Sample ID	Target Conc.	Found Conc.	Rec. %	Analy. Batch Number
1,2-DICHLOROBENZEN	< 1	-------	BS	17.2	17.3	0.58	BS	0	20.0	17.2	86.0	----------	--------	--------	------	10063, 10063, 10063,
E	--------	------		--------	--------	------	BSD	0	20.0	17.3	86.5	----------	--------	--------	------	, , 10063,
8020																
ug/Kg																
1,3-DICHLOROBENZEN	< 1	-------	BS	17.2	17.4	1.16	BS	0	20.0	17.2	86.0	----------	--------	--------	------	10063, 10063, 10063,
E	--------	------		--------	--------	------	BSD	0	20.0	17.4	87.0	----------	--------	--------	------	, , 10063,
8020																
ug/Kg																
1,4-DICHLOROBENZEN	< 1	-------	BS	16.6	16.8	1.20	BS	0	20.0	16.6	83.0	----------	--------	--------	------	10063, 10063, 10063,
E	--------	------		--------	--------	------	BSD	0	20.0	16.5	82.5	----------	--------	--------	------	, , 10063,
8020																
ug/Kg																
SURROGATE	--------	------		--------	--------	------	B	0	50.0	53.7	107.4	----------	--------	--------	------	, , 10063,
BROMOFLUOROBENZENE	--------	------		--------	--------	------	BS	0	50.0	53.5	107.0	----------	--------	--------	------	, , 10063,
8020	--------	------		--------	--------	------	BSD	0	50.0	52.8	105.6	----------	--------	--------	------	, , 10063,
% Recovery																
SURROGATE aaa-TRIF	--------	------		--------	--------	------	B	0	50.0	70.9	141.8	----------	--------	--------	------	, , 10063,
LUOROTOLUENE	--------	------		--------	--------	------	BS	0	50.0	64.9	129.8	----------	--------	--------	------	, , 10063,
8020	--------	------		--------	--------	------	BSD	0	50.0	64.3	128.6	----------	--------	--------	------	, , 10063,
% Recovery																

QC REPORT FOR ANDERSON COLUMBIA ENVIRON.,INC 11/08/95

QA/QC for SAMPLE Nos: 10009, 10010, 10011, 10012, 10013,

Analysis	Blank Conc.	Sample Number	Samp Type	Precision Data: Rep A	Rep B	RPD %	Accuracy Data: Samp Type	Raw Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Ref. Sample Data: Sample ID	Target Conc.	Found Conc.	Rec. %	Analy. Batch Number
MTBE	< 5	-------	BS	18.3	18.9	3.23	BS	0	20.0	18.3	91.5	----------	--------	--------	------	10063, 10063, 10063,
8020	--------	------		--------	--------	------	BSD	0	20.0	18.9	94.5	----------	--------	--------	------	, , 10063,
ug/Kg																
DIPE	< 5	-------	BS	17.2	17.3	0.58	BS	0	20.0	17.2	86.0	----------	--------	--------	------	10063, 10063, 10063,
8020	--------	------		--------	--------	------	BSD	0	20.0	17.3	86.5	----------	--------	--------	------	, , 10063,
ug/Kg																
NAPHTHALENE	< 660	10010	MS	1250	855	37.53	MS	0	2100	1250	59.5	----------	--------	--------	------	10385, 10385, 10385,
8100	--------	10010		--------	--------	------	MSD	0	2100	855	40.7	----------	--------	--------	------	, , 10385,
ug/Kg	--------	-------	BS	37.5	28.7	26.59	BS	0	50.0	37.5	75.0	----------	--------	--------	------	, 10385, 10385,
	--------	------		--------	--------	------	BSD	0	50.0	28.7	57.4	----------	--------	--------	------	, , 10385,
ACENAPHTHYLENE	< 660	10010	MS	1660	1090	41.45	MS	0	2100	1660	79.0	----------	--------	--------	------	10385, 10385, 10385,
8100	--------	10010		--------	--------	------	MSD	0	2100	1090	51.9	----------	--------	--------	------	, , 10385,
ug/Kg	--------	-------	BS	43.7	33.2	27.31	BS	0	50.0	43.7	87.4	----------	--------	--------	------	, 10385, 10385,
	--------	------		--------	--------	------	BSD	0	50.0	33.2	66.4	----------	--------	--------	------	, , 10385,
ACENAPHTHENE	< 660	10010	MS	1470	960	41.98	MS	0	2100	1470	70.0	----------	--------	--------	------	10385, 10385, 10385,
8100	--------	10010		--------	--------	------	MSD	0	2100	960	45.7	----------	--------	--------	------	, , 10385,
ug/Kg	--------	-------	BS	38.7	28.9	28.99	BS	0	50.0	38.7	77.4	----------	--------	--------	------	, 10385, 10385,
	--------	------		--------	--------	------	BSD	0	50.0	28.9	57.8	----------	--------	--------	------	, , 10385,

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Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON.,INC 11/08/95

QA/QC for SAMPLE Nos: 10009, 10010, 10011, 10012, 10013,

				Precision Data			Accuracy Data					Ref. Sample Data				
Analysis	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	Analy. Batch Number
FLUORENE	< 660	10010	MS	1560	1030	40.93	MS	0	2100	1560	74.3	----------	--------	--------	------	10385, 10385, 10385,
8100	--------	10010		--------	--------	------	MSD	0	2100	1030	49.0	----------	--------	--------	------	, , 10385,
ug/Kg	--------	-------	BS	36.4	27.1	29.29	BS	0	50.0	36.4	72.8	----------	--------	--------	------	, 10385, 10385,
	--------	------		--------	--------	------	BSD	0	50.0	27.1	54.2	----------	--------	--------	------	, , 10385,
PHENANTHRENE	< 660	10010	MS	2280	1540	38.74	MS	0	2100	2280	108.6	----------	--------	--------	------	10385, 10385, 10385,
8100	--------	10010		--------	--------	------	MSD	0	2100	1540	73.3	----------	--------	--------	------	, , 10385,
ug/Kg	--------	-------	BS	45.8	34.7	27.58	BS	0	50.0	45.8	91.6	----------	--------	--------	------	, 10385, 10385,
	--------	------		--------	--------	------	BSD	0	50.0	34.7	69.4	----------	--------	--------	------	, , 10385,
ANTHRACENE	< 660	10010	MS	2280	1540	38.74	MS	0	2100	2280	108.6	----------	--------	--------	------	10385, 10385, 10385,
8100	--------	10010		--------	--------	------	MSD	0	2100	1540	73.3	----------	--------	--------	------	, , 10385,
ug/Kg	--------	-------	BS	45.8	34.7	27.58	BS	0	50.0	45.8	91.6	----------	--------	--------	------	, 10385, 10385,
	--------	------		--------	--------	------	BSD	0	50.0	34.7	69.4	----------	--------	--------	------	, , 10385,
FLUORANTHENE	< 660	10010	MS	2690	1770	41.26	MS	0	2100	2690	128.1	----------	--------	--------	------	10385, 10385, 10385,
8100	--------	10010		--------	--------	------	MSD	0	2100	1770	84.3	----------	--------	--------	------	, , 10385,
ug/Kg	--------	-------	BS	50.9	41.9	19.40	BS	0	50.0	50.9	101.8	----------	--------	--------	------	, 10385, 10385,
	--------	------		--------	--------	------	BSD	0	50.0	41.9	83.8	----------	--------	--------	------	, , 10385,
PYRENE	< 660	10010	MS	2770	1710	47.32	MS	0	2100	2770	131.9	----------	--------	--------	------	10385, 10385, 10385,
8100	--------	10010		--------	--------	------	MSD	0	2100	1710	81.4	----------	--------	--------	------	, , 10385,
ug/Kg	--------	-------	BS	51.8	43.0	18.57	BS	0	50.0	51.8	103.6	----------	--------	--------	------	, 10385, 10385,
	--------	------		--------	--------	------	BSD	0	50.0	43.0	86.0	----------	--------	--------	------	, , 10385,

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Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON.,INC 11/08/95

QA/QC for SAMPLE Nos: 10009, 10010, 10011, 10012, 10013,

				Precision Data			Accuracy Data						Ref. Sample Data				
Analysis	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	Analy. Batch Number
BENZO(A)ANTHRACENE	< 660	10010	MS	2820	1840	42.06	MS	0	2100	2820	134.3	----------	--------	--------	------	10385, 10385, 10385,
8100	--------	10010		--------	--------	------	MSD	0	2100	1840	87.6	----------	--------	--------	------	, , 10385,
ug/Kg	--------	-------	BS	50.4	41.5	19.37	BS	0	50.0	50.4	100.8	----------	--------	--------	------	, 10385, 10385,
	--------	------		--------	--------	------	BSD	0	50.0	41.5	83.0	----------	--------	--------	------	, , 10385,
CHRYSENE	< 660	10010	MS	2820	1840	42.06	MS	0	2100	2820	134.3	----------	--------	--------	------	10385, 10385, 10385,
8100	--------	10010		--------	--------	------	MSD	0	2100	1840	87.6	----------	--------	--------	------	, , 10385,
ug/Kg	--------	-------	BS	50.4	41.5	19.37	BS	0	50.0	50.4	100.8	----------	--------	--------	------	, 10385, 10385,
	--------	------		--------	--------	------	BSD	0	50.0	41.5	83.0	----------	--------	--------	------	, , 10385,
BENZO(B)FLUORANTHE	< 660	10010	MS	2570	1660	43.03	MS	0	2100	2570	122.4	----------	--------	--------	------	10385, 10385, 10385,
NE	--------	10010		--------	--------	------	MSD	0	2100	1660	79.0	----------	--------	--------	------	, , 10385,
8100	--------	-------	BS	44.4	36.0	20.90	BS	0	50.0	44.4	88.8	----------	--------	--------	------	, 10385, 10385,
ug/Kg	--------	------		--------	--------	------	BSD	0	50.0	36.0	72.0	----------	--------	--------	------	, , 10385,
BENZO(K)FLUORANTHE	< 660	10010	MS	2570	1660	43.03	MS	0	2100	2570	122.4	----------	--------	--------	------	10385, 10385, 10385,
NE	--------	10010		--------	--------	------	MSD	0	2100	1660	79.0	----------	--------	--------	------	, , 10385,
8100	--------	-------	BS	44.4	36.0	20.90	BS	0	50.0	44.4	88.8	----------	--------	--------	------	, 10385, 10385,
ug/Kg	--------	------		--------	--------	------	BSD	0	50.0	36.0	72.0	----------	--------	--------	------	, , 10385,
BENZO(A)PYRENE	< 660	10010	MS	2730	1880	36.88	MS	0	2100	2730	130.0	----------	--------	--------	------	10385, 10385, 10385,
8100	--------	10010		--------	--------	------	MSD	0	2100	1880	89.5	----------	--------	--------	------	, , 10385,
ug/Kg	--------	-------	BS	48.3	40.8	16.84	BS	0	50.0	48.3	96.6	----------	--------	--------	------	, 10385, 10385,
	--------	------		--------	--------	------	BSD	0	50.0	40.8	81.6	----------	--------	--------	------	, , 10385,

QC REPORT FOR ANDERSON COLUMBIA ENVIRON.,INC 11/08/95

QA/QC for SAMPLE Nos: 10009, 10010, 10011, 10012, 10013,
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				Precision Data			Accuracy Data						Ref. Sample Data				
Analysis	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	Analy. Batch Number
INDENO(1,2,3-CD)PY	< 660	10010	MS	2670	1690	44.95	MS	0	2100	2670	127.1	----------	--------	--------	------	10385, 10385, 10385,
RENE	--------	10010		--------	--------	------	MSD	0	2100	1690	80.5	----------	--------	--------	------	, , 10385,
8100	--------	-------	BS	49.0	40.8	18.26	BS	0	50.0	49.0	98.0	----------	--------	--------	------	, 10385, 10385,
ug/Kg	--------	------		--------	--------	------	BSD	0	50.0	40.8	81.6	----------	--------	--------	------	, , 10385,
DIBENZ(A,H)ANTHRAC	< 660	10010	MS	2670	1690	44.95	MS	0	2100	2670	127.1	----------	--------	--------	------	10385, 10385, 10385,
ENE	--------	10010		--------	--------	------	MSD	0	2100	1690	80.5	----------	--------	--------	------	, , 10385,
8100	--------	-------	BS	49.0	40.8	18.26	BS	0	50.0	49.0	98.0	----------	--------	--------	------	, 10385, 10385,
ug/Kg	--------	------		--------	--------	------	BSD	0	50.0	40.8	81.6	----------	--------	--------	------	, , 10385,
BENZO(G,H,I)PERYLE	< 660	10010	MS	2850	1980	36.02	MS	0	2100	2850	135.7	----------	--------	--------	------	10385, 10385, 10385,
NE	--------	10010		--------	--------	------	MSD	0	2100	1980	94.3	----------	--------	--------	------	, , 10385,
8100	--------	-------	BS	49.4	41.7	16.90	BS	0	50.0	49.4	98.8	----------	--------	--------	------	, 10385, 10385,
ug/Kg	--------	------		--------	--------	------	BSD	0	50.0	41.7	83.4	----------	--------	--------	------	, , 10385,
SURROGATE	--------	10010		--------	--------	------	MS	0	50.0	36.1	72.2	----------	--------	--------	------	, , 10385,
2-FLUOROBIPHENYL	--------	10010		--------	--------	------	MSD	0	50.0	45.4	90.8	----------	--------	--------	------	, , 10385,
8100	--------	------		--------	--------	------	B	0	50.0	28.0	56.0	----------	--------	--------	------	, , 10385,
% Recovery	--------	------		--------	--------	------	BS	0	50.0	41.2	82.4	----------	--------	--------	------	, , 10385,
	--------	------		--------	--------	------	BSD	0	50.0	29.4	58.8	----------	--------	--------	------	, , 10385,

QC REPORT FOR ANDERSON COLUMBIA ENVIRON.,INC 11/08/95

QA/QC for SAMPLE Nos: 10009, 10010, 10011, 10012, 10013,
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				Precision Data			Accuracy Data					Ref. Sample Data				
Analysis	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	Analy. Batch Number
SURROGATE	--------	10010		--------	--------	------	MS	0	50.0	47.3	94.6	----------	--------	--------	------	, , 10385,
O-TERPHENYL	--------	10010		--------	--------	------	MSD	0	50.0	58.3	116.6	----------	--------	--------	------	, , 10385,
8100	--------	------		--------	--------	------	B	0	50.0	31.6	63.2	----------	--------	--------	------	, , 10385,
% Recovery	--------	------		--------	--------	------	BS	0	50.0	41.4	82.8	----------	--------	--------	------	, , 10385,
	--------	------		--------	--------	------	BSD	0	50.0	31.5	63.0	----------	--------	--------	------	, , 10385,

ANDERSON COLUMBIA
ENVIRONMENTAL, INC.
CHAIN OF CUSTODY RECORD

Bat. 9506

Page___of____

Project No.	Project Name
11084	FT. STEWART 44

Samplers (Signature)

Sample Number	Date	Time	Grab	Comp.	Sample Location	No. of Containers	Preservative	8080	8100	9071				Remarks:
[illegible]	9-27-95	12:40			TANK FARM	3	-	✓	✓	✓	10	20	9	These samples are from tanks 436 and #37.
[illegible]	9-28-95	10:45			"	3	-	✓	✓	✓	10	01	0	
[illegible]	9-28-95	11:20			"	3	-	✓	✓	✓	10	01	1	
[illegible]	9-28-95	11:45			"	3	-	✓	✓	✓	10	01	2	
TRIP BLK	9-28-95				DI WATER	2	-	✓			10	01	3	

Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Received by:
[signature]	9-28-95				
Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Remarks:
Relinquished by: [signature]	Date / Time 9/29/95 11:11	Received by: [signature]			

Excavation of Contaminated Soil and Supporting Manifests

Anderson Columbia (ACE) did not maintain accurate records from individual UST removals prior to 1996. Therefore, the Installation cannot confirm whether or not soil was removed from these sites. Conversations with ACE personnel who were on this project, support the fact that soil was NOT excavated at these sites.

NOTE: All contaminated soil removed during the project was tested and transported to Kedesh, Inc., Highway 84, Ludowici, GA 31316. The Installation has records of all manifests and weight tickets for this project. However, site/UST specific information is not available.

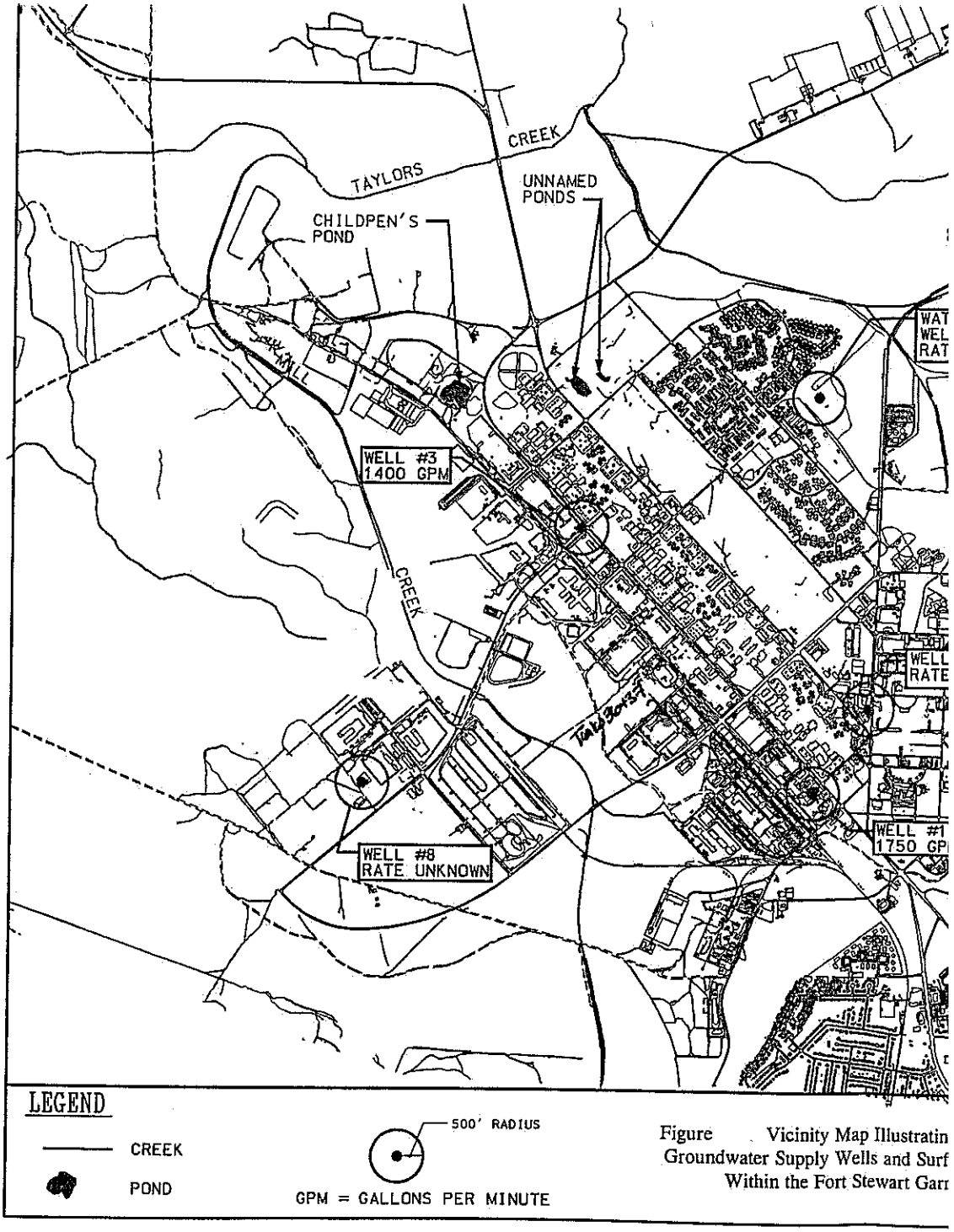
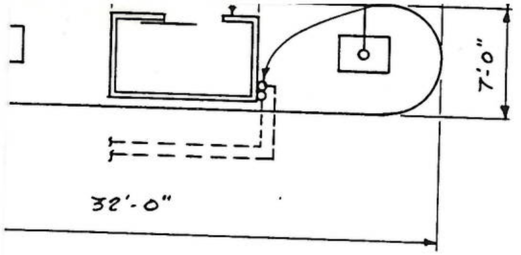
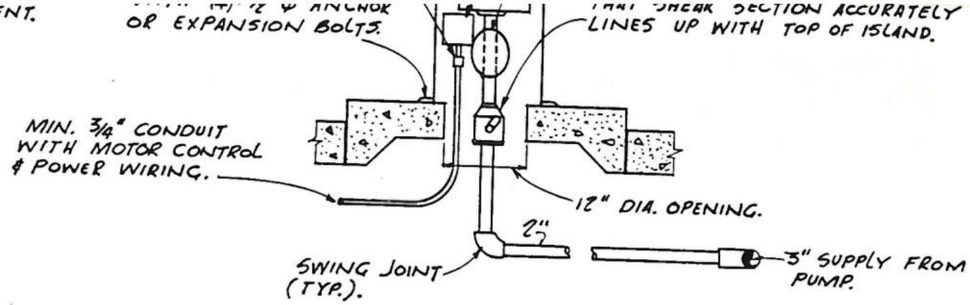


Figure . Vicinity Map Illustratin
Groundwater Supply Wells and Surf
Within the Fort Stewart Garr



PLAN

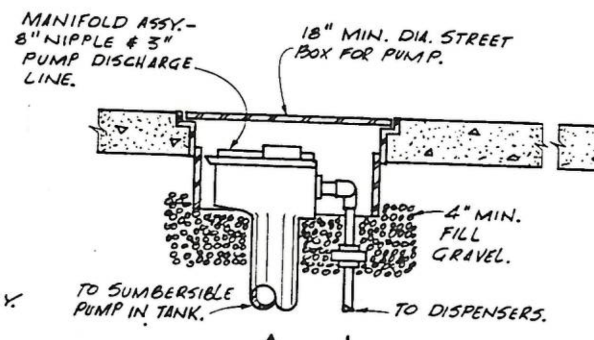


SECTION 1 M19 M19

TYPICAL DISPENSING ISLAND DETAILS

NOT TO SCALE

...ER RATED
...FFIC.



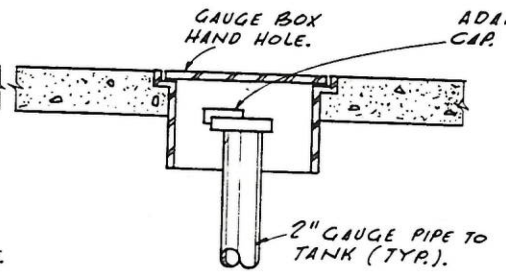
RED JACKET #P15051 ENG, ART, ARMOR
RED JACKET #P33R INF, E&W

...L WITH
...TUMINOUS
...TERIAL
...UND MANWAY.

...ROVIDE SAND BED
...R TANK,
... MIN.

TYPICAL DETAIL — GASOLINE & DIESEL FUEL PUMP

NOT TO SCALE



TYPICAL DETAIL — GAUGE BOX

NOT TO SCALE

GRAPHIC SCALE
30' 0 30'
1" = 30'-0"

...ALV. STEEL HELICAL SCREW
...NCHOR, MFGR'S STD. WITH
...APACITY AS FOLLOWS;
...,000 GAL. TANK - 8 @ 6,300lbs. EA.
25,000 GAL. TANK - 16 @ 14,000lbs. EA.
...SUBITTAL REQ'D.

SYMBOL	ZONE	DESCRIPTION	DATE	BY
3	SHEET	REVISED AS-BUILT	1 FEB 83	LEB
2		REVISED IN ACCORDANCE W/AMENDMENTS	20 SEPT. 80	CB
1		GENERAL REVISIONS	4 JUN 80	CB

REVISIONS

RECORD DRAWING

GUNN & MEYERHOFF
A. I. A. ARCHITECTS, P. C.
COLUMBIA SQ. SAVANNAH, GA.

U. S. ARMY
ENGINEER DISTRICT, SAVANNAH
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

FOUR TACTICAL EQUIPMENT SHOPS
FUEL DISPENSING PLANS & DETAILS

FORT STEWART, GEORGIA

SIZE	INVITATION NO.	DRAWING NO.	PLATE
F	DACA21-80-B-0013	35-41-05	M-19

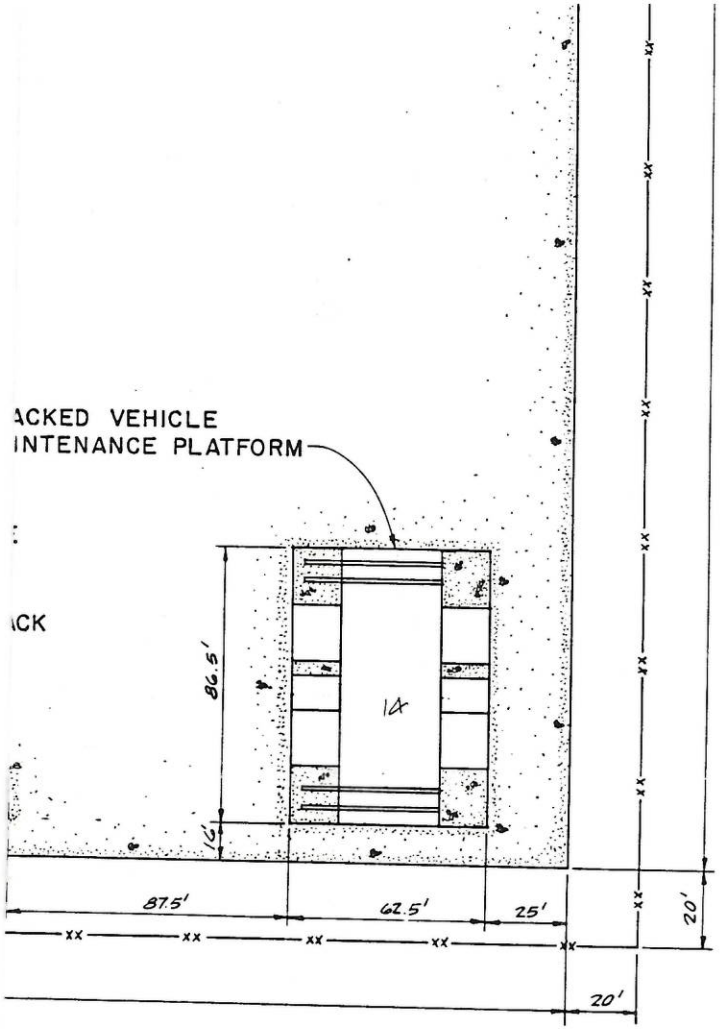
SCALE AS SHOWN — SHEET 124 OF 152

(124)

Tanks 36+37; Bldg 1506

FORMAT 6

3 2 A B



GRAPHIC SCALE
1" = 30'
30 0 30

RECORD DRAWING

3	4D	REVISED AS-BUILT	1FEB83	LEB
2	4B,4C,4D	REVISED IN ACCORDANCE WITH MCB NO. 80-122-0	10APR81	
1		GENERAL REVISION	4JUN80	W.H.S.
SYMBOL	ZONE	DESCRIPTION	DATE	BY

REVISIONS

GUNN & MEYERHOFF
A. i. A. ARCHITECTS, P. C.
COLUMBIA SQ. SAVANNAH, GA.

U. S. ARMY
ENGINEER DISTRICT, SAVANNAH
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

FOUR TACTICAL EQUIPMENT SHOPS
ARMOR BATTALION
LAYOUT PLAN

FORT STEWART GEORGIA

SIZE	INVITATION NO.	DRAWING NO.	PLATE
F	DACA21-80-B-0013	35-41-05	P-17

SCALE: AS SHOWN SHEET 19 OF 152

19

Tanks 36 & 37 & Bldg 1506

REDUCED ONE-HALF THE ORIGINAL SIZE

FORMAT 6

ARMORED - LAYOUT PLAN