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TANK MANAGEMENT PLAN VOLUME 2 OF 2 SITE-SPECIFIC INFORMATION NAS KEY
WEST FL
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BLASLAND, BOUCK AND LEE



TANK MANAGEMENT PLAN

Volume II: Site-Specific Information



Naval Air Station Key West
Public Works Department
Key West, Florida

February 2001

TANK MANAGEMENT PLAN

NAVAL AIR STATION KEY WEST
KEY WEST, FLORIDA

Prepared For:

NAVAL AIR STATION
PUBLIC WORKS DEPARTMENT
CODE 1883
P.O. BOX 9007
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Prepared By:

BLASLAND, BOUCK & LEE, INC.
3350 BUSCHWOOD PARK DRIVE, SUITE 100
TAMPA, FLORIDA 33618-4447

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6. Site Specific Tank Information

6.1 General

This section contains site specific tank information for all petroleum storage tanks at NAS Key West. The existing and closed tanks are discussed per location (i.e., Boca Chica Field, Boca Chica Field Industrial Area, Trumbo Point, Fleming Key, Truman Annex, Sigsbee Park, Saddlebunch Key, Navy Branch Medical Clinic, and Former Hamaca Hawk Missile sites) then by ascending tank number. **Tables 4-1/6-1** and **4-2/6-2** provide information on existing and closed tanks, respectively. **Figures 6-1** through **6-151** show the locations of existing and closed tanks at NAS Key West.

Associated with each base location are two sets of information:

- General base description; and
- General maps of tank sites for existing and closed tanks.

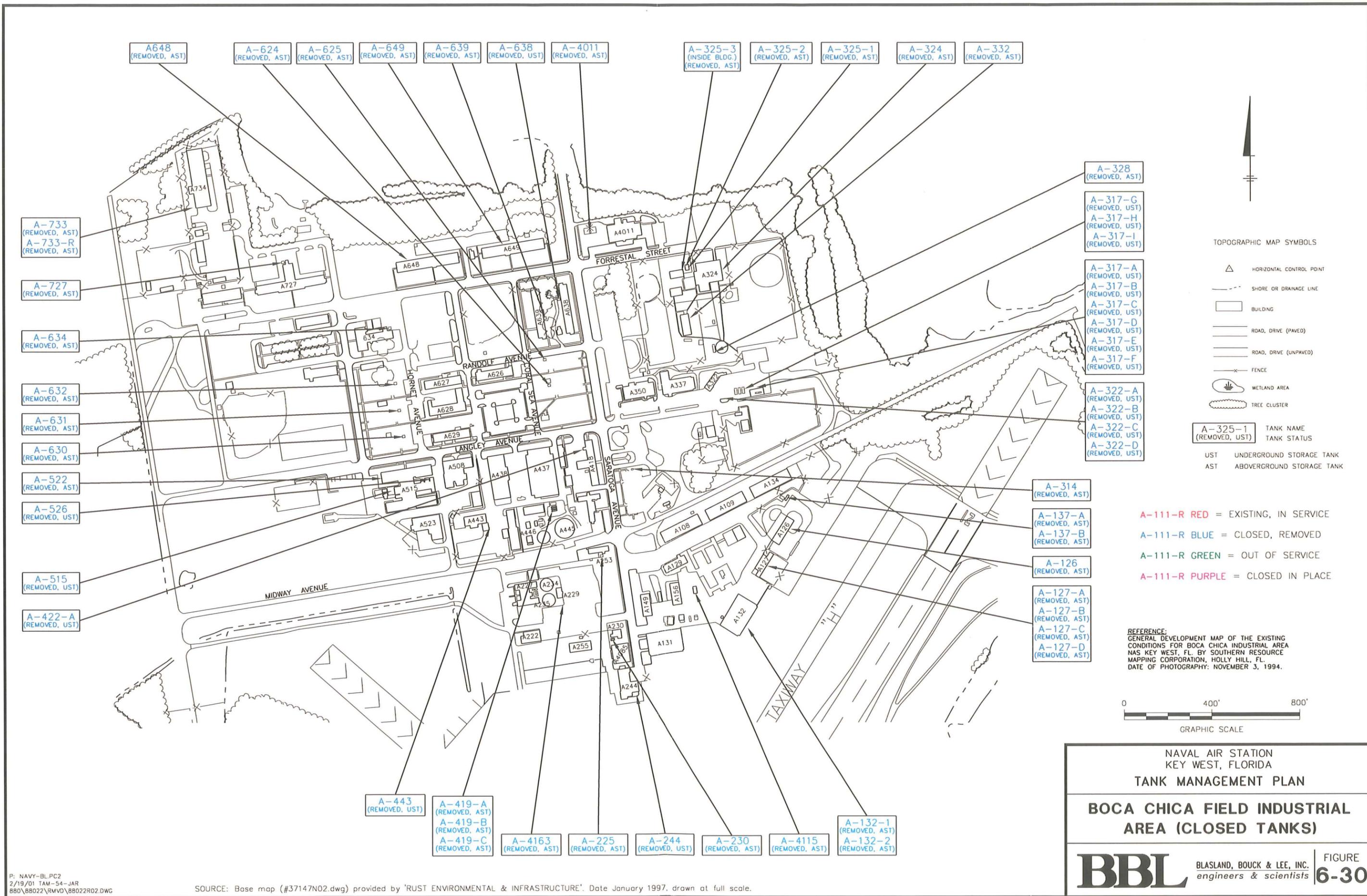
Associated with each tank area are four sets of information as follows:

- General site and tank descriptions;
- Specific tank information tables (existing tanks only);
- Regulatory compliance requirements; and
- Available site-specific maps.

On each map, existing in-service tanks are shown in red; existing out-of-service tanks are shown in green; closed, removed tanks are shown in blue; and closed in-place tanks are shown in orange.

An evaluation of each tank was made to determine what upgrades, if any, are required to bring existing tanks into compliance with state and federal regulations. Evaluations reflect the tank and piping conditions at the time of the site visit and information obtained from regulatory inspections.

Site specific maps generated for this Plan reflect the information contained in the general site descriptions, specific tank information tables, and data gathered by physical survey. For some old, removed tanks, site-specific maps were not located and therefore, only approximate locations are provided.



- A-328 (REMOVED, AST)
- A-317-G (REMOVED, UST)
- A-317-H (REMOVED, UST)
- A-317-I (REMOVED, UST)
- A-317-A (REMOVED, UST)
- A-317-B (REMOVED, UST)
- A-317-C (REMOVED, UST)
- A-317-D (REMOVED, UST)
- A-317-E (REMOVED, UST)
- A-317-F (REMOVED, UST)
- A-322-A (REMOVED, UST)
- A-322-B (REMOVED, UST)
- A-322-C (REMOVED, UST)
- A-322-D (REMOVED, UST)

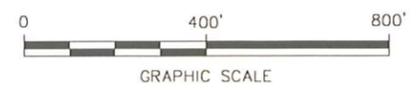
- A-733 (REMOVED, AST)
- A-733-R (REMOVED, AST)
- A-727 (REMOVED, AST)
- A-634 (REMOVED, AST)
- A-632 (REMOVED, AST)
- A-631 (REMOVED, AST)
- A-630 (REMOVED, AST)
- A-522 (REMOVED, AST)
- A-526 (REMOVED, UST)
- A-515 (REMOVED, UST)
- A-422-A (REMOVED, UST)

- A-443 (REMOVED, UST)
- A-419-A (REMOVED, AST)
- A-419-B (REMOVED, AST)
- A-419-C (REMOVED, AST)
- A-4163 (REMOVED, AST)
- A-225 (REMOVED, AST)
- A-244 (REMOVED, UST)
- A-230 (REMOVED, AST)
- A-4115 (REMOVED, AST)
- A-132-1 (REMOVED, AST)
- A-132-2 (REMOVED, AST)
- A-132-3 (REMOVED, AST)

- TOPOGRAPHIC MAP SYMBOLS
- HORIZONTAL CONTROL POINT
 - SHORE OR DRAINAGE LINE
 - BUILDING
 - ROAD, DRIVE (PAVED)
 - ROAD, DRIVE (UNPAVED)
 - FENCE
 - WETLAND AREA
 - TREE CLUSTER
- A-325-1 (REMOVED, UST) TANK NAME
TANK STATUS
- UST UNDERGROUND STORAGE TANK
AST ABOVEGROUND STORAGE TANK

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:
GENERAL DEVELOPMENT MAP OF THE EXISTING
CONDITIONS FOR BOCA CHICA INDUSTRIAL AREA
NAS KEY WEST, FL. BY SOUTHERN RESOURCE
MAPPING CORPORATION, HOLLY HILL, FL.
DATE OF PHOTOGRAPHY: NOVEMBER 3, 1994.



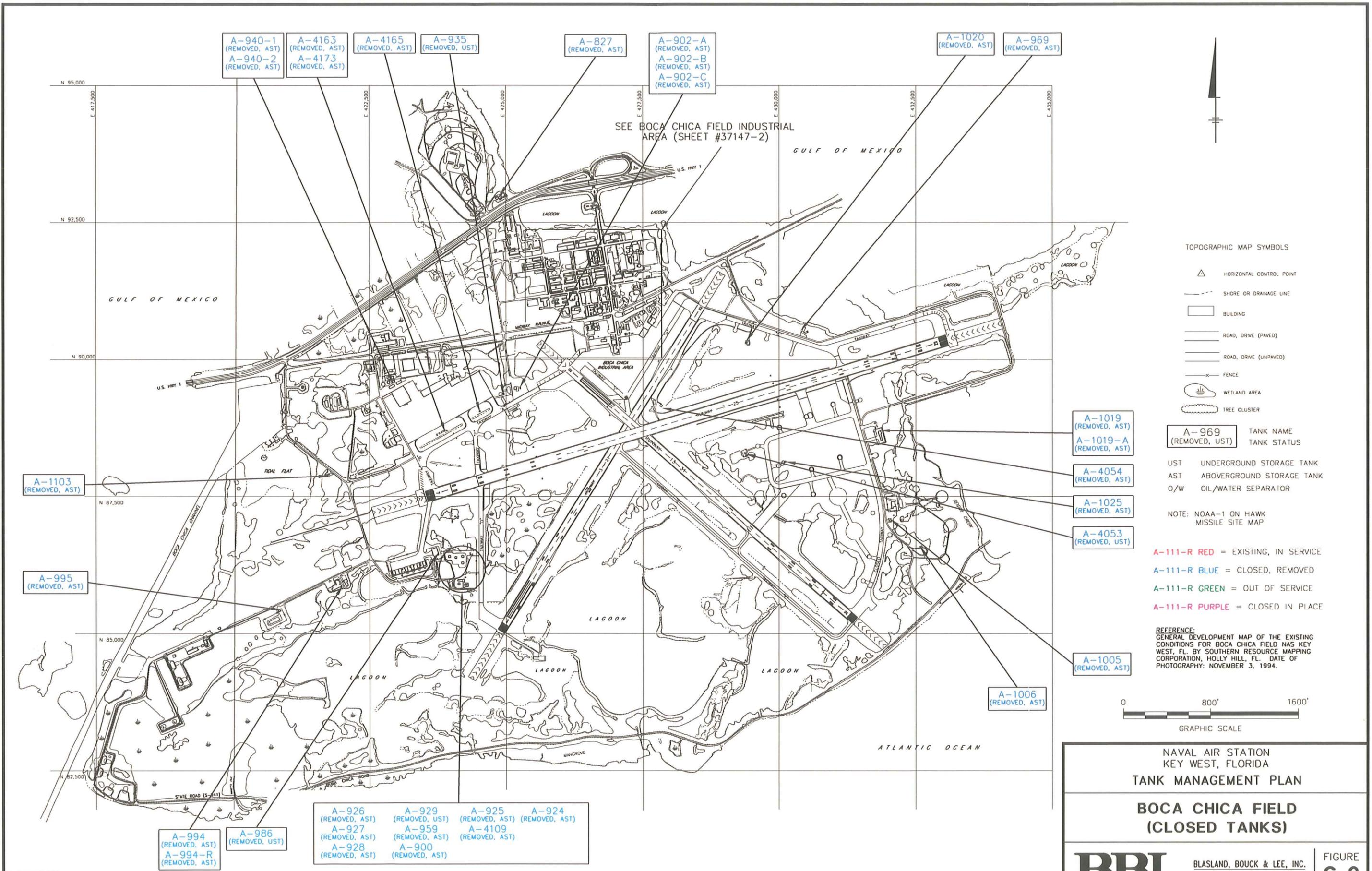
NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

**BOCA CHICA FIELD INDUSTRIAL
AREA (CLOSED TANKS)**

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-30



A-940-1
(REMOVED, AST)
A-940-2
(REMOVED, AST)

A-4163
(REMOVED, AST)
A-4173
(REMOVED, AST)

A-4165
(REMOVED, AST)

A-935
(REMOVED, UST)

A-827
(REMOVED, AST)

A-902-A
(REMOVED, AST)
A-902-B
(REMOVED, AST)
A-902-C
(REMOVED, AST)

A-1020
(REMOVED, AST)

A-969
(REMOVED, AST)

A-1103
(REMOVED, AST)

A-995
(REMOVED, AST)

A-994
(REMOVED, AST)
A-994-R
(REMOVED, AST)

A-986
(REMOVED, UST)

A-926 (REMOVED, AST) A-929 (REMOVED, UST) A-925 (REMOVED, AST) A-924 (REMOVED, AST)
A-927 (REMOVED, AST) A-959 (REMOVED, AST) A-4109 (REMOVED, AST)
A-928 (REMOVED, AST) A-900 (REMOVED, AST)

A-1019
(REMOVED, AST)
A-1019-A
(REMOVED, AST)

A-4054
(REMOVED, AST)

A-1025
(REMOVED, AST)

A-4053
(REMOVED, UST)

A-1005
(REMOVED, AST)

A-1006
(REMOVED, AST)

TOPOGRAPHIC MAP SYMBOLS

- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER

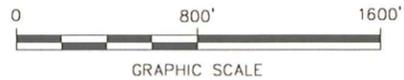
A-969 TANK NAME
(REMOVED, UST) TANK STATUS

UST UNDERGROUND STORAGE TANK
AST ABOVEGROUND STORAGE TANK
O/W OIL/WATER SEPARATOR

NOTE: NOAA-1 ON HAWK MISSILE SITE MAP

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:
GENERAL DEVELOPMENT MAP OF THE EXISTING CONDITIONS FOR BOCA CHICA FIELD NAS KEY WEST, FL. BY SOUTHERN RESOURCE MAPPING CORPORATION, HOLLY HILL, FL. DATE OF PHOTOGRAPHY: NOVEMBER 3, 1994.



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**BOCA CHICA FIELD
(CLOSED TANKS)**

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-3

6.2 Boca Chica Field

The following are descriptions for tanks at NAS Key West located on Boca Chica Key. Because of the large amount of tanks, Boca Chica has been divided into Boca Chica Field and Boca Chica Field Industrial Area. **Figures 6-1** through **6-3** provide general site maps for existing and closed tanks (on one map), existing and closed tanks (separate maps) at Boca Chica Field. **Figures 6-28** through **6-30** provide general site maps for Boca Chica Field Industrial Area. Site specific maps follow each section describing tank areas.

6.2.1 Boca Chica Tank Farm

The Boca Chica Tank Farm is located at the south end of Midway Avenue, south of the Runway 7 approach. Saltwater lagoons are found to the south, east and west of this facility (**Figure 6-4**). The fuel farm supplies JP-5 fuel to the Boca Chica Truck Farm for use in refueling of naval aircraft. The Boca Chica Tank Farm bulk fuel storage tanks are connected to the Trumbo Point Fuel Farm via a privately owned pipeline.

6.2.1.1 Existing Tanks – A-924-R, A-925-R, A-929-R, A-938, A-944, A-945, A-958, A-4010

A total of eight tanks comprise the tank farm: A-924-R; A-925-R; A-929-R; A-938; A-944; A-945; A-958; and A-4010.

Tank A-924-R

Tank A-924-R located west of building A-929 in the southeastern quadrant of the tank farm is currently used to store used oil. Tank A-924-R is a 10,000-gallon AST. The tank is currently scheduled to be moved south of Building A-929.

Tank ID A-924-R	
Year of Installation	1996
Size	10,000-gallons
Contents	Used Oil
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Regulated; FAC 62-761
Status	To be moved
Tank Construction	Double-walled Overfill protection – tight fill
Piping	Aboveground Fiberglass Pressure piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

Tank A-925-R

Located west of Building A-929, in the southeastern quadrant of the tank farm, is Tank A-925-R. The tank is used for the storage of used oil. Tank A-925-R is a 10,000-gallon AST. Currently, the tank is scheduled to be moved south of Building A-929.

Tank ID A-925-R	
Year of Installation	1996
Size	10,000-gallons
Contents	Used Oil
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Regulated; FAC 62-761
Status	To be moved
Tank Construction	Double-walled Overfill protection – tight fill
Piping	Aboveground Fiberglass Pressure piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

Tank A-929-R

Located south of Building A-929, in the southeastern quadrant of the tank farm, is Tank A-929-R. The tank is used for the storage of used oil. Tank A-929-R is a 500-gallon vaulted AST.

Tank ID A-929-R	
Year of Installation	1998
Size	500-gallons
Contents	Used Oil
Regulated - Federal	Regulated; 40 CFR 112; 40 CFR 280
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Vaulted Double-walled Overfill protection – level gauges
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

Tank A-938

The 239,000-gallon JP-5 tank A-938 is located in the north half of the Boca Chica Tank Farm west of Building A-933. This floating roof AST is equipped with a high level alarm and is surrounded by an earthen/lime dike with a chained discharge valve.

Tank ID A-938	
Year of Installation	1953, 1999 (upgraded)
Size	239,000-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Regulated; FAC 62-761
Status	In-Service
Tank Construction	Field erected single-walled painted steel, double bottom Lime rock secondary containment; high level alarm; tank gauge
Piping	Aboveground painted steel and underground steel Pressurized piping system
Leak Detection	Groundwater monitoring SPCC Plan Visual inspection of AST systems High level alarm

Tank A-944

Located north of Tank A-938, in the northeast quadrant of the tank farm, is Tank A-944. Tank A-944 is a 239,000-gallon floating roof AST equipped with a high-level alarm and is in an earthen/lime dike with a chained discharge valve. This tank supplies JP-5 fuel for aircraft fueling activities.

Tank ID A-944	
Year of Installation	1953, 1999 (upgraded)
Size	239,000-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Regulated; FAC 62-761
Status	In-Service
Tank Construction	Field erected single-walled painted steel, double bottom Lime rock secondary containment; high level alarm; tank gauge
Piping	Aboveground painted steel and underground steel Pressurized piping system
Leak Detection	Ground-water monitoring SPCC Plan Visual inspection of AST systems High level alarm

Tank A-945

A-945 is located in the northwest quadrant of the Boca Chica Tank Farm west of Tanks A-944 and A-958. Tank A-945 is a 213,000-gallon floating top AST containing JP-5 fuel. This tank is equipped with a high-level alarm and has an earthen/lime dike with a chained discharge valve. JP-5 from tank A-945 is used in the refueling of aircraft.

Tank ID A-945	
Year of Installation	1957, 1999 (upgraded)
Size	213,000-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Regulated; FAC 62-761
Status	In-Service
Tank Construction	Field erected single-walled painted steel, double bottom Lime rock secondary containment; high level alarm; tank gauge
Piping	Aboveground painted steel and underground steel Pressurized piping system
Leak Detection	Ground-water monitoring SPCC Plan Visual inspection of AST systems High level alarm

Tank A-958

Tank A-958 is located in the northwest quadrant of the Boca Chica Fuel Farm west of tank A-944. This 298,000-gallon floating roof AST contains JP-5 for use in aircraft refueling operation. Fitted with a high-level alarm tank A-958 is located in an earthen/lime diked secondary containment with a chained discharge valve.

Tank ID A-958	
Year of Installation	1961, 1999 (upgraded)
Size	298,000-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Regulated; FAC 62-761
Status	In-Service
Tank Construction	Field erected single-walled painted steel, double bottom Lime rock secondary containment; high level alarm; tank gauge
Piping	Aboveground painted steel and underground steel Pressurized piping system
Leak Detection	Ground-water monitoring SPCC Plan Visual inspection of AST systems High level alarm

Tank A-4010

The 185-gallon jet fuel AST tank A-4010 is located east of building A-1305 in the northeast quadrant of the Boca Chica Fuel Farm. Tank A-4010 is located within a 3' deep valved concrete secondary containment.

Tank ID A-4010	
Year of Installation	1953
Size	185-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Single-walled painted steel on supports Concrete secondary containment
Piping	Aboveground unpainted steel Suction piping system
Leak Detection	SPCC Plan Visual inspection of AST systems

6.2.1.2 Closed Tanks – A-900, A-924, A-925, A-926, A-927, A-928, A-929, A-959, A-4109

Tank A-900

Tank A-900 was a 500-gallon JP-5 AST. The tank was removed on April 14, 1996.

Tanks A-924, A-925

Tanks A-924 and A-925 were 25,000-gallon ASTs in the southeast quadrant of the Boca Chica Tank Farm. The tanks previously contained used petroleum products. Tanks A-924 and A-925 shared a bermed concrete containment. The tanks were removed on November 12, 1996. Closure reports and a CAR were submitted. Soil initial remedial action (IRA) was performed. The site is under natural attenuation (NA) monitoring.

Tanks A-926, A-927

Tank A-926 and A-927 were 50,000-gallon JP-5 ASTs formerly located in the southeast quadrant of the Boca Chica Tank Farm. The tanks were removed in the 1980s. The site is under NA monitoring.

Tank A-928

Tank A-928 was a 100,000-gallon JP-5 AST formerly located in the southeast quadrant of the Boca Chica Tank Farm. The tank was removed in the 1980s. The site is under NA monitoring.

Tank A-929

Tank A-929 was a 1,500-gallon UST found at the Boca Chica Tank Farm on the south side of Building A-929. Tank A-929 was used to store used oil. The tank was closed by removal on August 1, 1997, and replaced with tank A-929-R. The site is under a NA Monitoring Plan.

Tank A-959

Tank A-959 was located in the southwest quadrant of the fuel farm west of Tanks A-924 and A-925. Tank A-959 was a 298,000-gallon floating roof JP-5 AST within an earthen/lime dike secondary containment. His tank was demolished and removed in November 12, 1996. A Closure Report and CAR were submitted. The site is under NA monitoring.

Tank A-4109

Tank A-4109 was a 4,000-gallon waste oil AST located southwest of Building A-292. On April 23, 1996, the tank was closed. A Closure Report was submitted. The site is under NA monitoring.

6.2.1.3 Regulatory Compliance Requirement

Tanks A-924-R, A-925-R, A-938, A-944, A-945, A-958

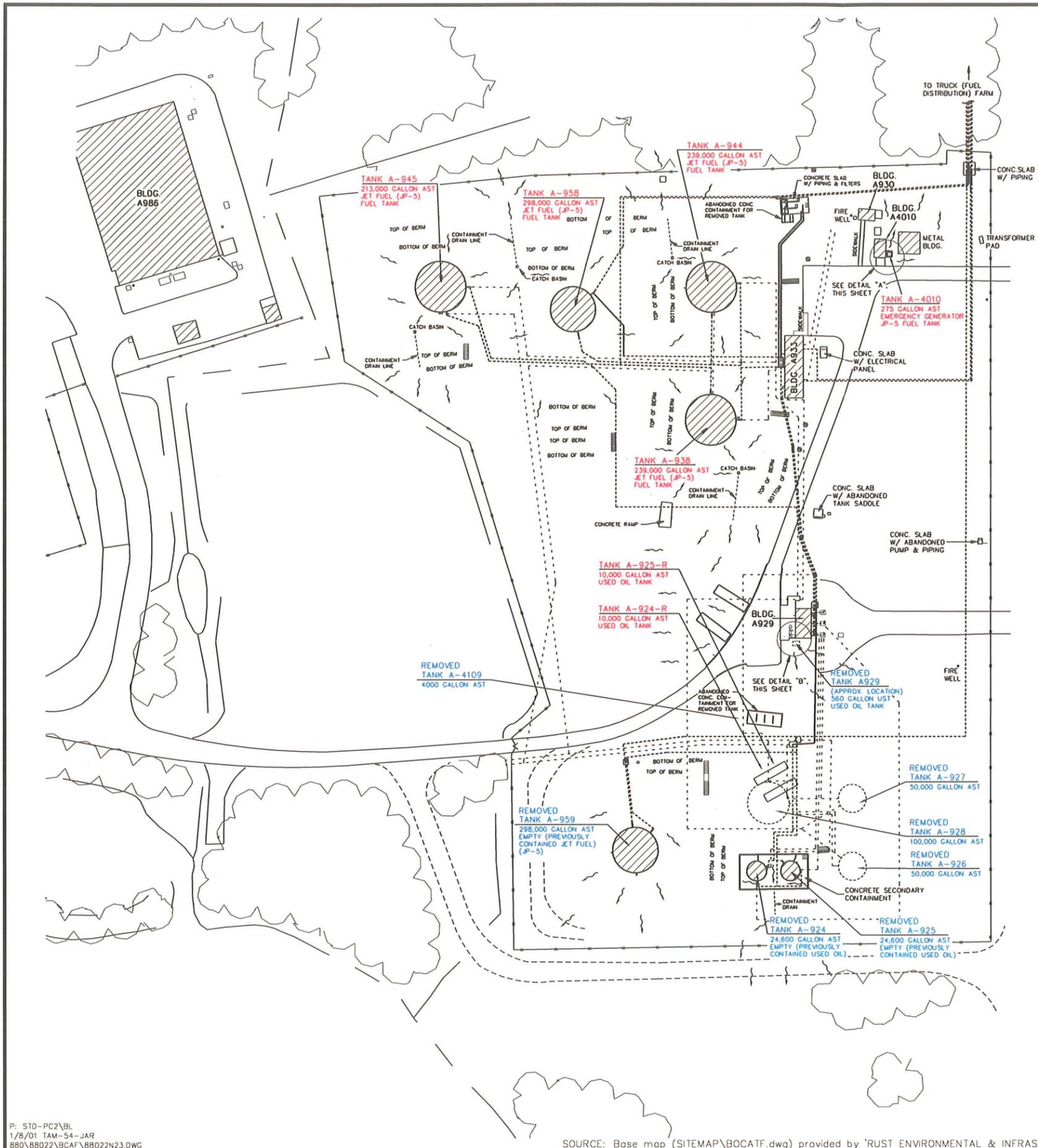
Install anti-siphon valve on all aboveground piping routed outside secondary containment.

Tanks A-929-R, A-4010

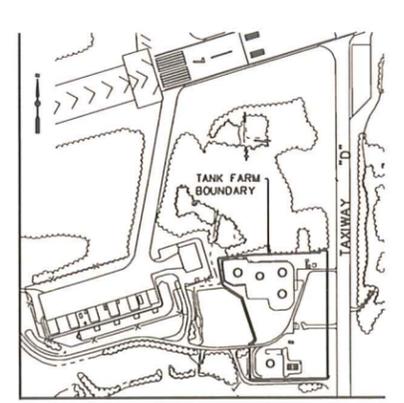
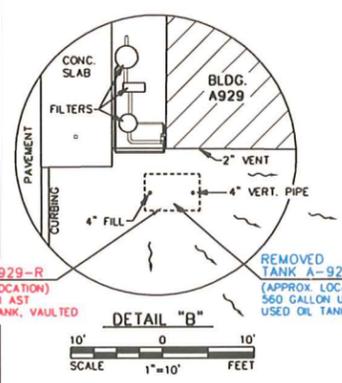
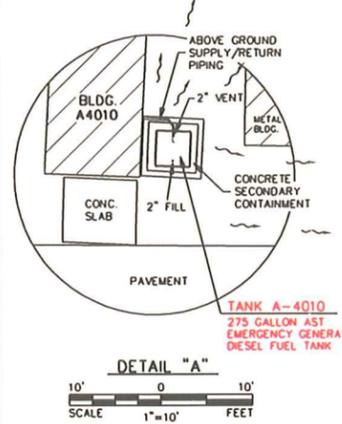
None.

Closed Tanks A-900, A-924, A-925, A-926, A-927, A-928, A-929, A-959, A-4109

Continue NA monitoring.



TAXIWAY "D"



REMOVED TANK LIST:	EXISTING TANK LIST:
TANK A-900	TANK A-924-R
TANK A-924	TANK A-925-R
TANK A-925	TANK A-929-R
TANK A-926	TANK A-938
TANK A-927	TANK A-944
TANK A-928	TANK A-945
TANK A-929	TANK A-958
TANK A-959	TANK A-4010
TANK A-4109	

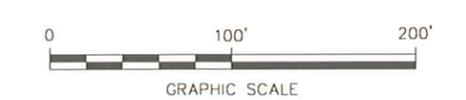
NOTE:
TANKS A-924-R AND A-925-R MOVED TO NEW LOCATION.

NOTE:
THE FOLLOWING DRAWINGS CONTAIN INFORMATION AS TO THE LOCATION OF ASSOCIATED BOCA CHICA TANK FARM PIPING AND CAN BE FOUND IN THE NAS KEY WEST PUBLIC WORKS OFFICE PLAN ROOM:

- CATHODIC PROTECTION INSTALLATION ON FUEL STORAGE TANKS AND UNDERGROUND FUEL LINES.
PW DRAWING NO. P-5468
DATED AUGUST 1980
- REPAIR AVIATION FUEL PIPING SITE PLAN
NAVFAC DRAWING NO. 5150805
CONST. CONTRACT NO. N62467-86-C-0829
SHEET 2 OF 4
DATED 12/09/85
- TANK CLEAN/PIPE PRESSURE TEST
NAVFAC DRAWING NO. 5263879
NAVFAC CONTRACT NO. N62467-93-C-1069

LEGEND

—	ABOVE GROUND FUEL LINE
---	UNDERGROUND FUEL LINE (APPROX. LOCATION)
---	ABANDONED FUEL LINE (APPROX. LOCATION)
~	APPROXIMATE DIRECTION OF SURFACE WATER FLOW
—	FENCE
⊙	MONITORING WELL



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN
SITE MAP OF BOCA CHICA
TANK FARM - BOCA CHICA FIELD

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-4

P: S10-PC2\BL
1/8/01 TAM-54-JAR
880\88022\BCAF\88022N23.DWG

SOURCE: Base map (SITMAP\BOCATF.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale.

6.2.2 Boca Chica WWTP

The Waste Water Treatment Plant (WWTP) is located north of US Highway 1 and is bounded to the north by NAS property and further north by the Gulf of Mexico.

6.2.2.1 Existing Tank – A-4174

Tank A-4174 is a 500-gallon JP-5 AST. Tank A-4174 is located on the north side of the WWTP (Figure 6-5).

Tank A-4174

Tank ID A-4174	
Year of Installation	1999
Size	500-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Vaulted Double-walled Overfill protection Level gauges
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.2.2.2 Closed Tank – A-827

Tank A-827 was located at the same location as new Tank A-4174. Tank A-827 was a 330-gallon JP-5 (diesel fuel) AST within a 2'-2" deep valved concrete secondary containment. Fuel from this tank was used in the operation of the WWTP's emergency generator. The tank was closed by removal.

6.2.2.3 Regulatory Compliance Requirements

Tank A-4174

None.

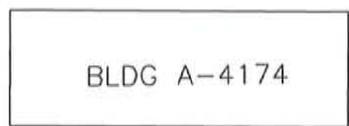
Closed Tank A-827

None.



VICINITY MAP
SCALE: 1"=400'

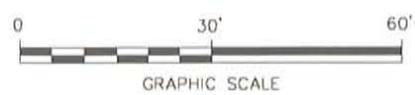
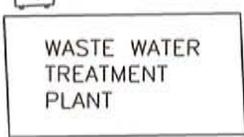
REMOVED
TANK A-827
330 GALLON AST
EMERGENCY GENERATOR
JP-5 FUEL



TANK A-4174
500 GALLON AST
JP-5, VAULTED



ENTRANCE



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN
SITE MAP OF TANK A-4174
AND FORMER TANK A-827
BOCA CHICA FIELD

X: OR L:
P: NAVY-AP_PC2
2/19/01 TAM-54-JAR
880\88022\BCAF\88022N25.DWG

SOURCE: Base map (Sitemap\AB27.dwg) provided
by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.
Date October 1996, drawn at full scale. Field
check by BBL.

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists **FIGURE 6-5**

6.2.3 Site A-902 – Boca Chica Truck Fill

The Boca Chica Truck Fill is located at the south end of Shangrila Avenue just north of the east/west Taxiway 7-13. The facility fills fuel trucks that refuel aircraft on the flight line with JP-5 fuel. The fueling activities are accomplished via a truck fill stand found west of Building A-902.

6.2.3.1 Existing Tank – A-902-BR

Tank A-902-BR

Located east of Building A-902 is Tank A-902-BR (**Figure 6-6**). This tank is a 500-gallon aboveground vaulted storage tank used for the storage of used oil generated from the truck filters.

Tank ID A-902-BR	
Year of Installation	1997
Size	500-gallons
Contents	Used Oil
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Vaulted Double-walled Spill containment bucket
Piping	None
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.2.3.2 Closed Tanks – A-902-A, A-902-B, A-902-C

Tank A-902-A

Tank A-902-A was a 1,500-gallon unleaded gasoline AST found east of Building A-902. The AST was closed by removal.

Tank A-902-B

Tank A-902-B is an 800-gallon waste oil AST found east of Building A-902. The tank was removed from service on April 18, 1997. A Closure Report was submitted.

Tank A-902-C

Tank A-902-C was a 800-gallon AST located east of Building A-902 within a valved concrete containment. A small electric pump was used to transfer unleaded vehicular gasoline from the tank to tanker trucks via a rubber hose dispenser. The tank was removed from service on November 17, 1997. A Closure Report and SAR were submitted to DEP. DEP issued a No Further Action (NFA) order on August 27, 1999.

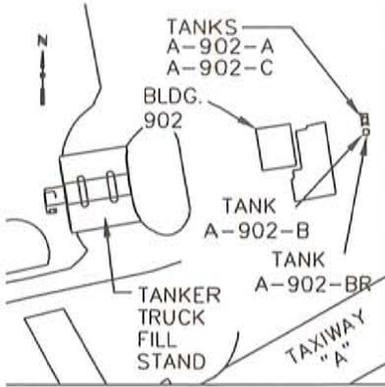
6.2.3.3 Regulatory Compliance Requirements

Tanks A-902-BR

None.

Closed Tanks A-902-A, A-902-B, A-902-C

None.



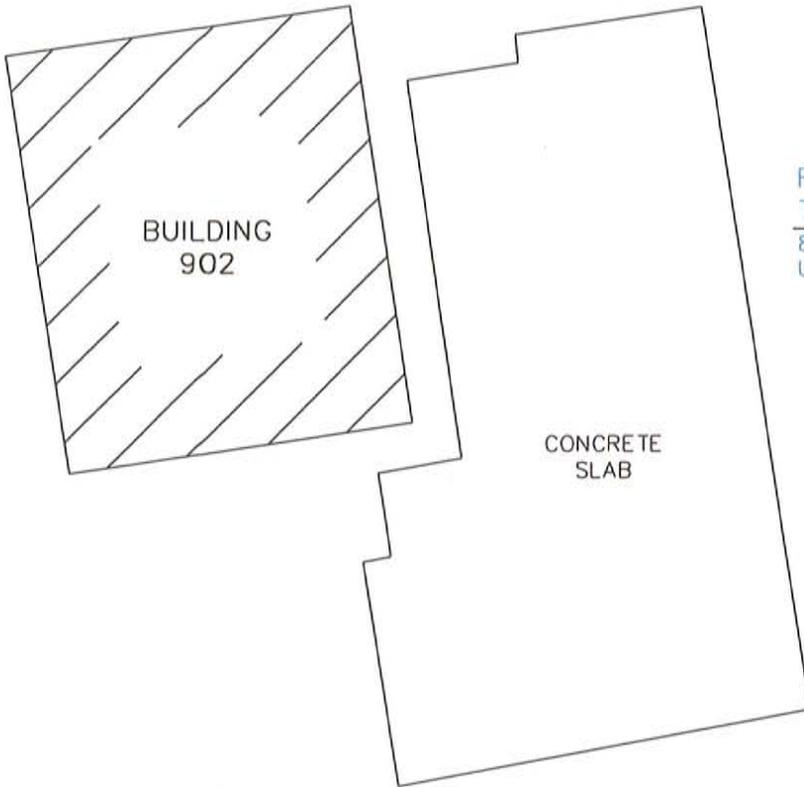
VICINITY MAP
SCALE: 1"=200'

REMOVED
TANK A-902-A
1500 GALLON AST
UNLEADED GASOLINE FUEL TANK

REMOVED
TANK A-902-C
800 GALLON AST
UNLEADED GASOLINE
FUEL TANK

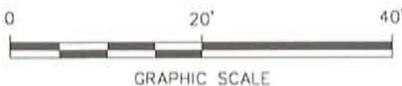
REMOVED
TANK A-902-B
800 GALLON AST
USED OIL TANK

TANK A-902-BR
500 GALLON AST
USED OIL TANK
VAULTED



LEGEND

~ ~ ~
APPROXIMATE DIRECTION
OF SURFACE WATER FLOW



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

SITE MAP OF TANK A-902-R
AND FORMER TANKS A-902-A, B & C
BOCA CHICA FIELD

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-6

6.2.4 Site A-935 – Boca Chica Truck Fill

The Boca Chica Truck Fill is located at the south end of Shangrila Avenue just north of the east/west Taxiway 7-13. The facility fills fuel trucks that refuel aircraft on the flight line with JP-5 fuel. The fueling activities are accomplished via a truck fill stand found west of building A-935. The truck fill obtains fuel via a pipeline from the Boca Chica Tank Farm. The truck fill site contains one AST, A-935-R.

6.2.4.1 Existing Tank – A-935-R

Tank A-935-R

Located west of building A-935 is the tanker truck fill stand and Tank A-935-R (Figure 6-7). This tank is a 250-gallon vaulted AST used for the storage of used oil generated from the truck fill rack filters. The gravity feed lines into Tank A-935-R are fiberglass piping equipped with a manual shutoff valve.

Tank A-935-R

Tank ID A-935-R	
Year of Installation	1997
Size	250-gallons
Contents	Used Oil
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Vaulted Double-walled Overfill protection, level gauges
Piping	Aboveground Fiberglass Gravity piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.2.4.2 Closed Tank – A-935

Tank A-935

Located west of building A-902 is the tanker truck fill stand and tank A-935. This tank was a 1,000-gallon underground storage tank used for the storage of jet fuel. The tank was closed in September 28, 1995 by removal. A Closure Report and SAR were submitted to FEP misnaming the Tank A-902-B. Currently, the site is under additional assessment.

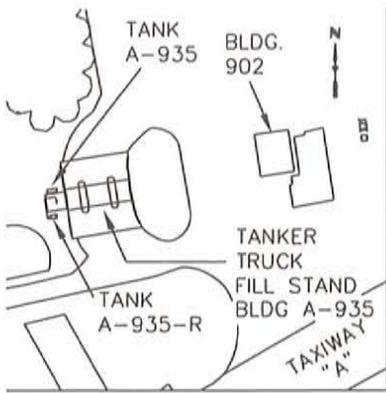
6.2.4.3 Regulatory Compliance Requirements

Tank A-935-R

None.

Closed Tank A-935

Complete additional assessment and prepare a remedial action plan (RAP) for this site.

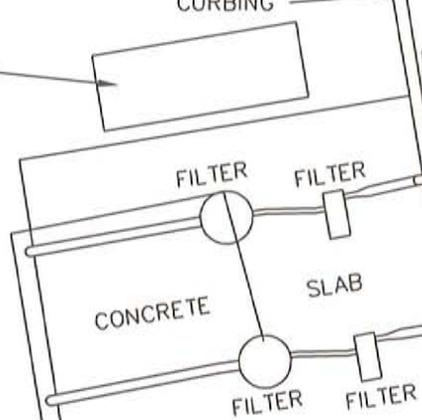


VICINITY MAP
SCALE: 1"=200'

REMOVED
TANK A-935
1000 GALLON UST
DIESEL

ABOVE GROUND
PIPING

CURBING



FUELING BAY
NO. 4

DISPENSER
ISLAND

BLDG A-935

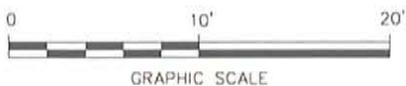
CONCRETE
PAVEMENT

CONCRETE
PAVEMENT

TANK A-935-R
250 GALLON AST
USED OIL TANK
VAULTED

LEGEND

~ ~ ~ ~ ~
APPROXIMATE DIRECTION
OF SURFACE WATER FLOW



NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

SITE MAP OF TANK A-935-R
AND FORMER TANK A-935
BOCA CHICA FIELD

BBL

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FIGURE
6-7

X: GR L:
P: STD-PC2\AP
2/19/01 TAM-54-JAR
BBD0\88022\8CAF\88022N03.DWG

SOURCE: Base map (Sitemap\A935R.dwg) provided
by "RUST ENVIRONMENTAL & INFRASTRUCTURE".
Date October 1996, drawn at full scale. Field
check by BBL.

6.2.5 Site A-937 – Boca Chica Fuels Building

Building A-937 is the Boca Chica Fuel Laboratory located off Midway Avenue. The Boca Chica Channel is found west of this site.

6.2.5.1 Existing Tank – A-937

Tank A-937, a 500-gallon AST within a 2' deep valved concrete secondary containment, is located south of the fuels lab (**Figure 6-8**). This tank is used for storage of JP-5 generated from lab activities until disposal or reentry into the Boca Chica fuel system.

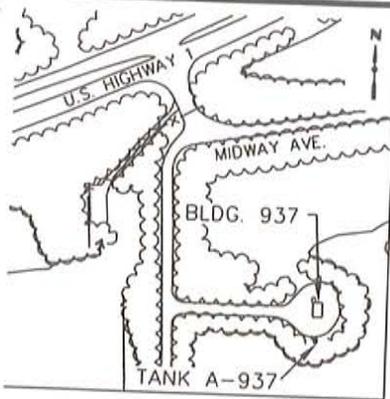
Tank A-937

Tank ID A-937	
Year of Installation	1944
Size	500-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Single-walled painted steel on supports Concrete secondary containment
Piping	Aboveground unpainted steel Suction piping system
Leak Detection	SPCC Plan Visual inspection of AST systems

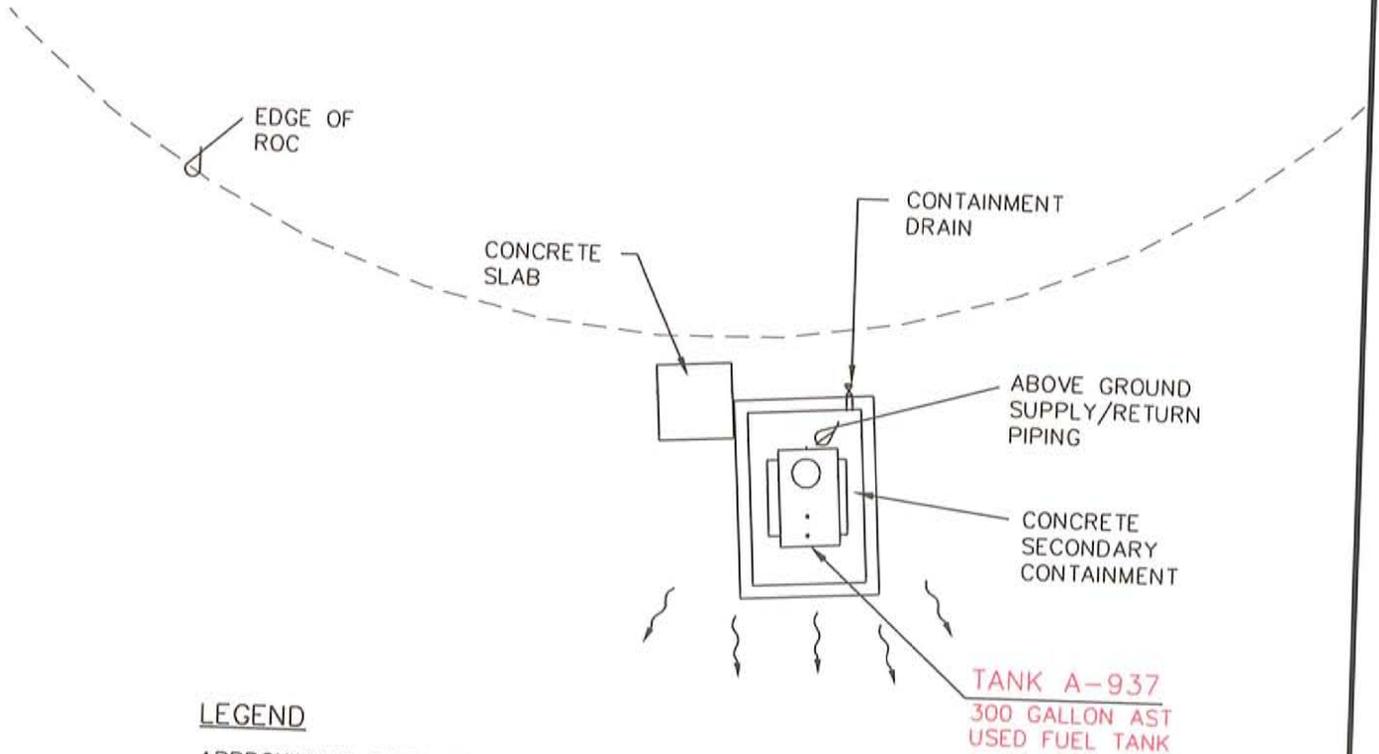
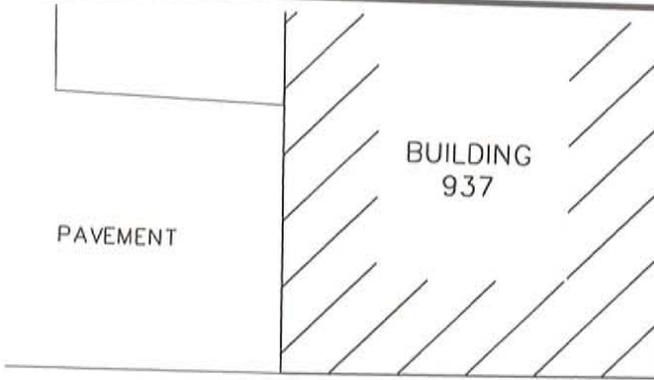
6.2.5.2 Regulatory Compliance Requirements

Tank A-937

Closure planned for January 2001.

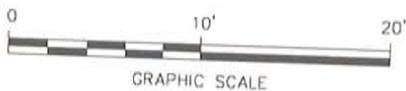


VICINITY MAP
SCALE: 1"=400'



LEGEND

~ ~ ~ ~ ~
APPROXIMATE DIRECTION
OF SURFACE WATER FLOW



NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

SITE MAP OF TANK A-937
BOCA CHICA FIELD

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-8

X: OR L
P: STD-PC2\AP
1/8/01 TAM-54-JAR
880\88022\BCAF\88022N04.DWG

SOURCE: Base map (Sitemap\A937.dwg) provided
by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.
Date October 1996, drawn at full scale. Field
check by BBL.

6.2.6 Site A-940 – Boca Chica Fresh Water Pump House – Building 940

Building A-940 is located on the south side, western end, of Midway Avenue.

6.2.6.1 Existing Tanks – A-940-3, A-940-4, A-940-5

Tanks A-940-3 (300-gallons), A-940-4 (250-gallons), and A-940-5 (300-gallons) are located to the south of Building A-940 (Figure 6-9). The tanks contain JP-5 to fuel emergency generators. All three tanks are ASTs with secondary containment.

Tank A-940-3

Tank ID A-940-3	
Year of Installation	1995
Size	300-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Single-walled painted steel on supports Concrete secondary containment and level gauge
Piping	Aboveground painted steel Suction piping system
Leak Detection	SPCC Plan Visual inspection of AST systems

Tank A-940-4

Tank ID A-940-4	
Year of Installation	1995
Size	250-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Single-walled painted steel on supports Concrete secondary containment and level gauge
Piping	Aboveground painted steel Suction piping system
Leak Detection	SPCC Plan Visual inspection of AST systems

Tank A-940-5

Tank ID A-940-5	
Year of Installation	1995
Size	300-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Single-walled painted steel on supports Concrete secondary containment and level gauge
Piping	Aboveground painted steel Suction piping system
Leak Detection	SPCC Plan Visual inspection of AST systems

6.2.6.2 Closed Tanks – A-940-1, A-940-2

Formerly, two ASTs were located at Building A-940. Tank A-940-1 was a 275-gallon fuel oil AST and A-940-2 was a 185-gallon fuel oil AST. The tanks were closed by removal. The exact location of the former ASTs was not determined.

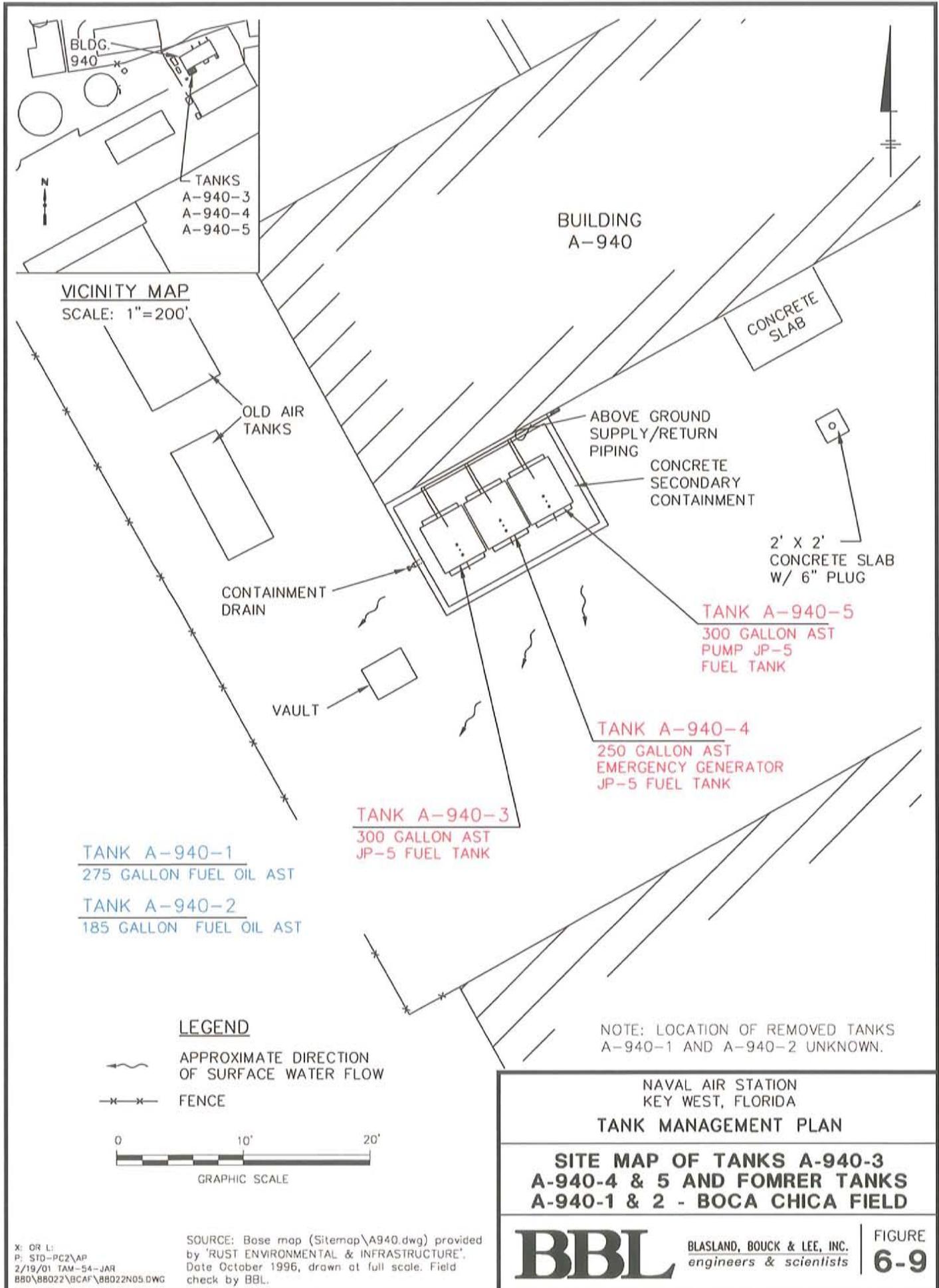
6.2.6.3 Regulatory Compliance Requirements

Tanks A-940-3, 4, and 5

Ensure all leak detectors and broken sight gauges have been replaced.

Closed Tanks A-940-1 and A-940-2

None.



6.2.7 Site A-969 – Boca Chica Jet Test

The Boca Chica Jet Test area is located north of Taxiway G and south of the Gulf of Mexico.

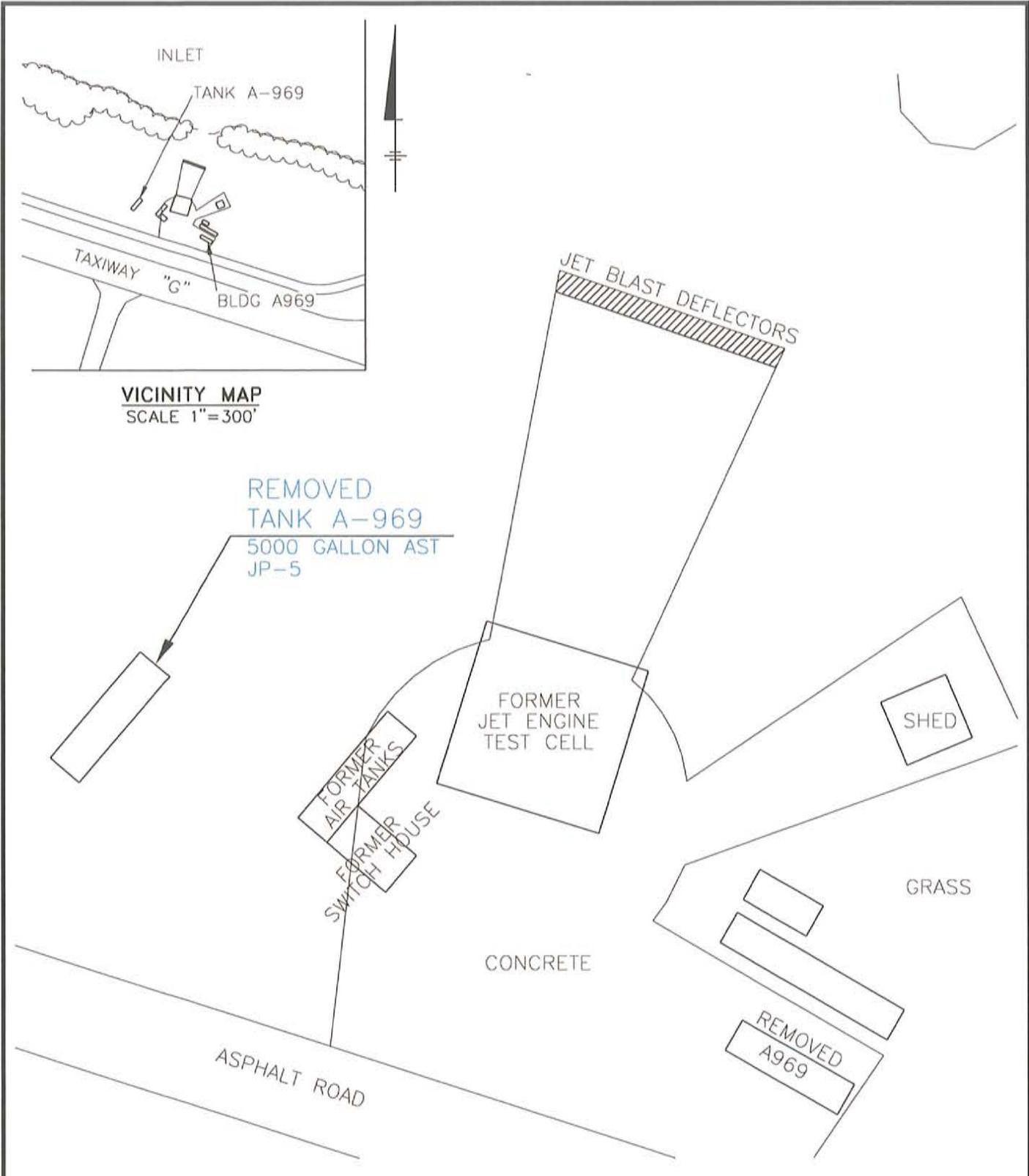
6.2.7.1 Closed Tank – A-969

One AST, A-969, was located approximately 150 feet to the northwest of Building A-969 (**Figure 6-10**). Tank A-969 was a 5,000-gallon JP-5 AST containing jet fuel. Fuel from this tank was used to run jet engines. Tank A-969 was closed by removal on May 1, 1997. A Closure Report was submitted. The site is remediated and an NFA was received from DEP.

6.2.7.2 Regulatory Compliance Requirements

Closed Tank A-969

None.



VICINITY MAP
SCALE 1"=300'

REMOVED
TANK A-969
5000 GALLON AST
JP-5

FORMER
JET ENGINE
TEST CELL

FORMER
AIR TANKS
FORMER
SWITCH HOUSE

SHED

GRASS

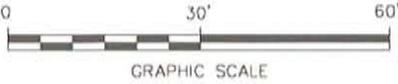
CONCRETE

ASPHALT ROAD

REMOVED
A969

NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

SITE MAP OF FORMER TANK A-969
BOCA CHICA FIELD



SOURCE: Base map (37147N01.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale. Field check by BBL. Contamination Assessment Report, Jet Engine Test Cell, ABB Environmental Services, Inc., June 1994.

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
BB0\88022\BCAF\88022N24.DWG

BBL

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FIGURE
6-10

6.2.8 Site A-986 – Boca Chica AIMD Ground Service Equipment Hangar – Building A-986

The AIMD Ground Services Equipment Division (GSE) located west of the Boca Chica Tank Farm on Midway Avenue provides maintenance for ground service equipment used to support naval aircraft.

6.2.8.1 Existing Tank – A-986-R

The oil/water separator A-986 is located on the east side of the GSE Hangar A-986 (**Figure 6-11**). A-986 collects drainage from the GSE equipment wash down pad and discharges the segregated water to the sanitary sewer system. Tank A-986-R replaces Tank A-986 as an equipment upgrade.

Tank A-986-R

Tank ID A-986-R	
Year of Installation	1999
Size	500-gallons
Contents	Used Oil
Regulated - Federal	Unregulated
Regulated - Florida	Unregulated
Status	In-service
Tank Construction	Data not available
Piping	Data not available
Leak Detection	Data not available

6.2.8.2 Closed Tank – A-986

Tank A-986

The oil/water separator A-986 was located on the east side of the GSE Hangar A-986 (**Figure 6-11**). Tank A-986 collected drainage from the GSE equipment wash down pad and discharged the segregated water to the sanitary sewer system. Tank A-986-R replaced Tank A-986 as an equipment upgrade.

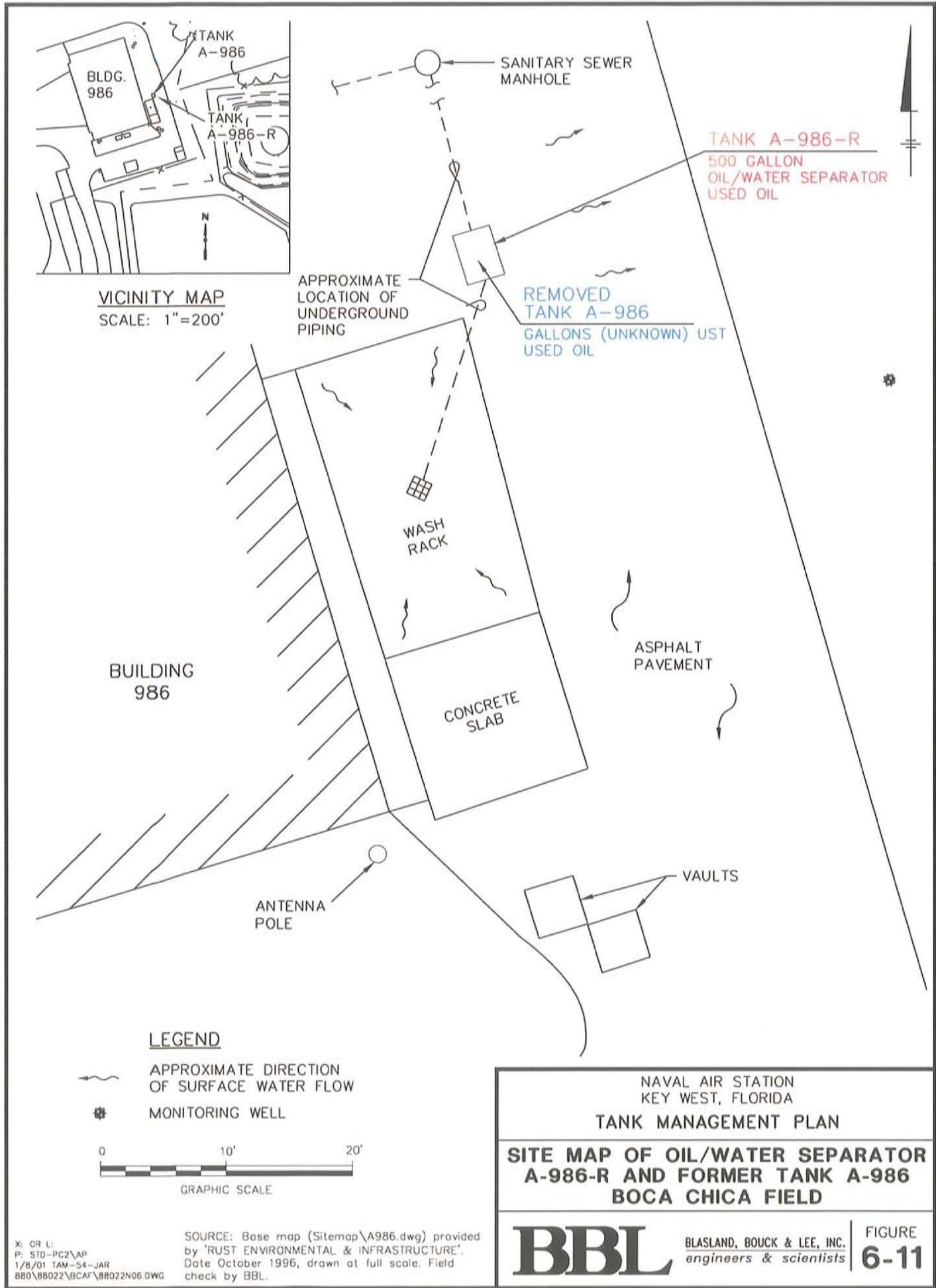
6.2.8.3 Regulatory Compliance Requirements

Tank A-986-R

Tank A-986-R is considered a process tank and is therefore exempt from state or federal regulation.

Closed Tank A-986

None. This tank was considered a process tank and was therefore exempt from state or federal regulations.



6.2.9 Site A-994 – Boca Chica Hurricane Shelter – Building A-994

The Boca Chica Hurricane Shelter Building A-994 is located on Bomb Farm Road.

6.2.9.1 Closed Tanks – A-994, A-994-R

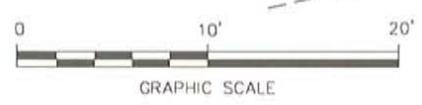
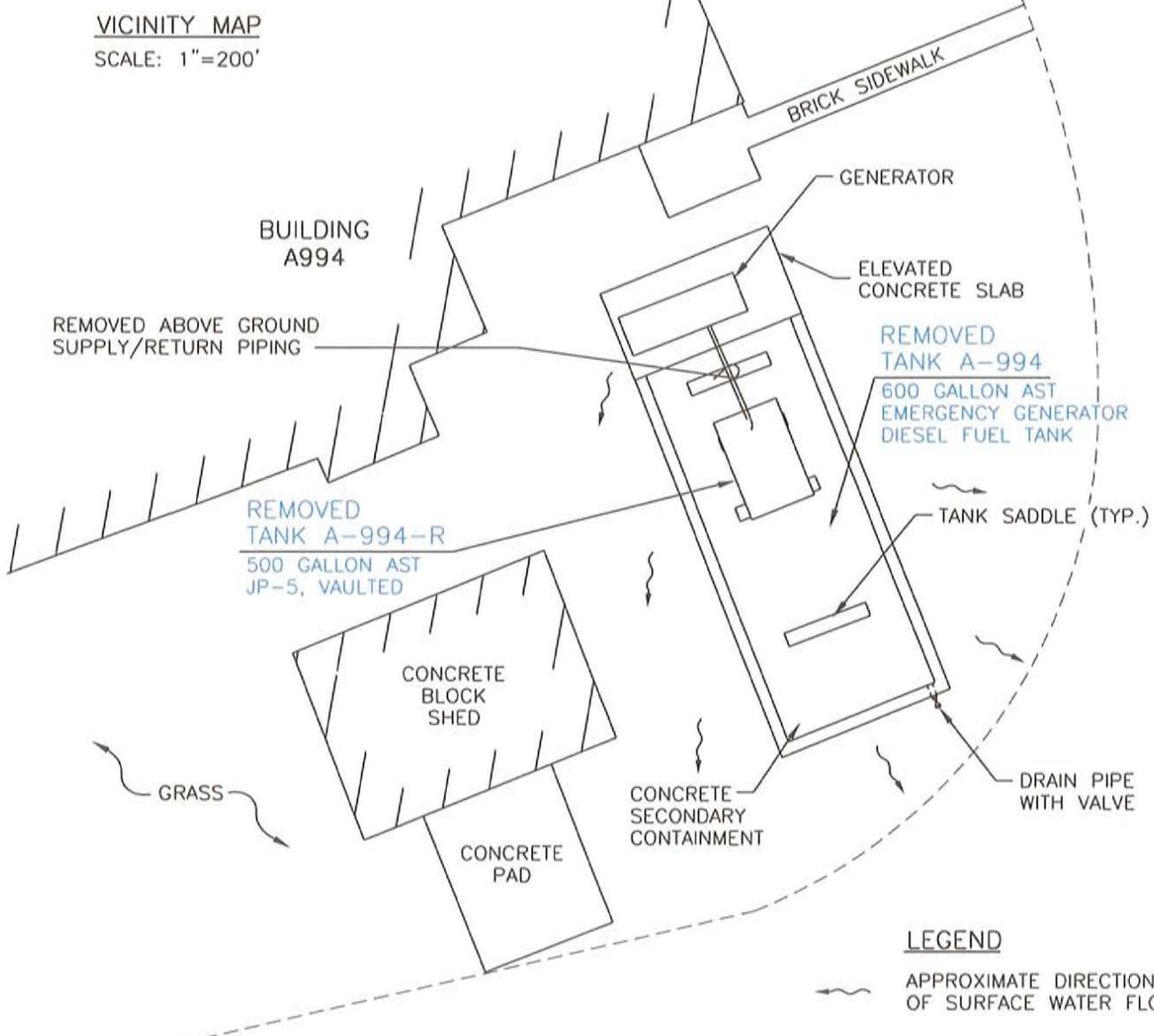
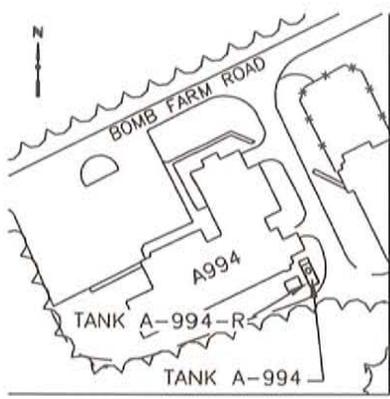
Tanks A-994, A-994-R

Tanks A-994 and A-994-R were located on the east side of Building A-994 formerly used as a hurricane shelter. Tank A-994 was a 560-gallon AST located within a 3' deep valved concrete secondary containment (**Figure 6-12**). The JP-5 formerly stored in this tank was used to supply an emergency generator used as a backup power source during a power outage. Tank A-994-R was a 500-gallon double-walled vaulted AST with interstitial monitoring. Both tanks have been removed from service. A Closure Report and CAR were submitted to DEP. The site is under NA monitoring.

6.2.9.2 Regulatory Compliance Requirements

Closed Tanks A-994, A-994-R

Continue NA monitoring plan.



NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

**SITE MAP OF FORMER
TANKS A-994 AND A-994-R
BOCA CHICA FIELD**

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FIGURE
6-12

X: OR L:
P: STD-PC2\AP
1/4/01 TAM-54-JAR
880\88022\BCAF\88022N07.DWG

SOURCE: Base map (Sitemap\A994.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.
Date October 1996, drawn at full scale. Field check by BBL.

6.2.10 Site A-995 – Boca Chica Weapons Security Guard House – Building A-995

Building A-995 is located on Bomb Farm Road, west of Building A-994.

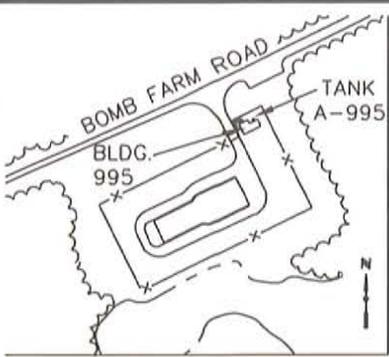
6.2.10.1 Closed Tank – A-995

Tank A-995 was a 265-gallon AST containing JP-5 (**Figure 6-13**). The tank was located on the north side of the Security Guard House A-995, providing JP-5 to an emergency generator. The tank is removed. A Closure Report was submitted and no environmental concerns were identified.

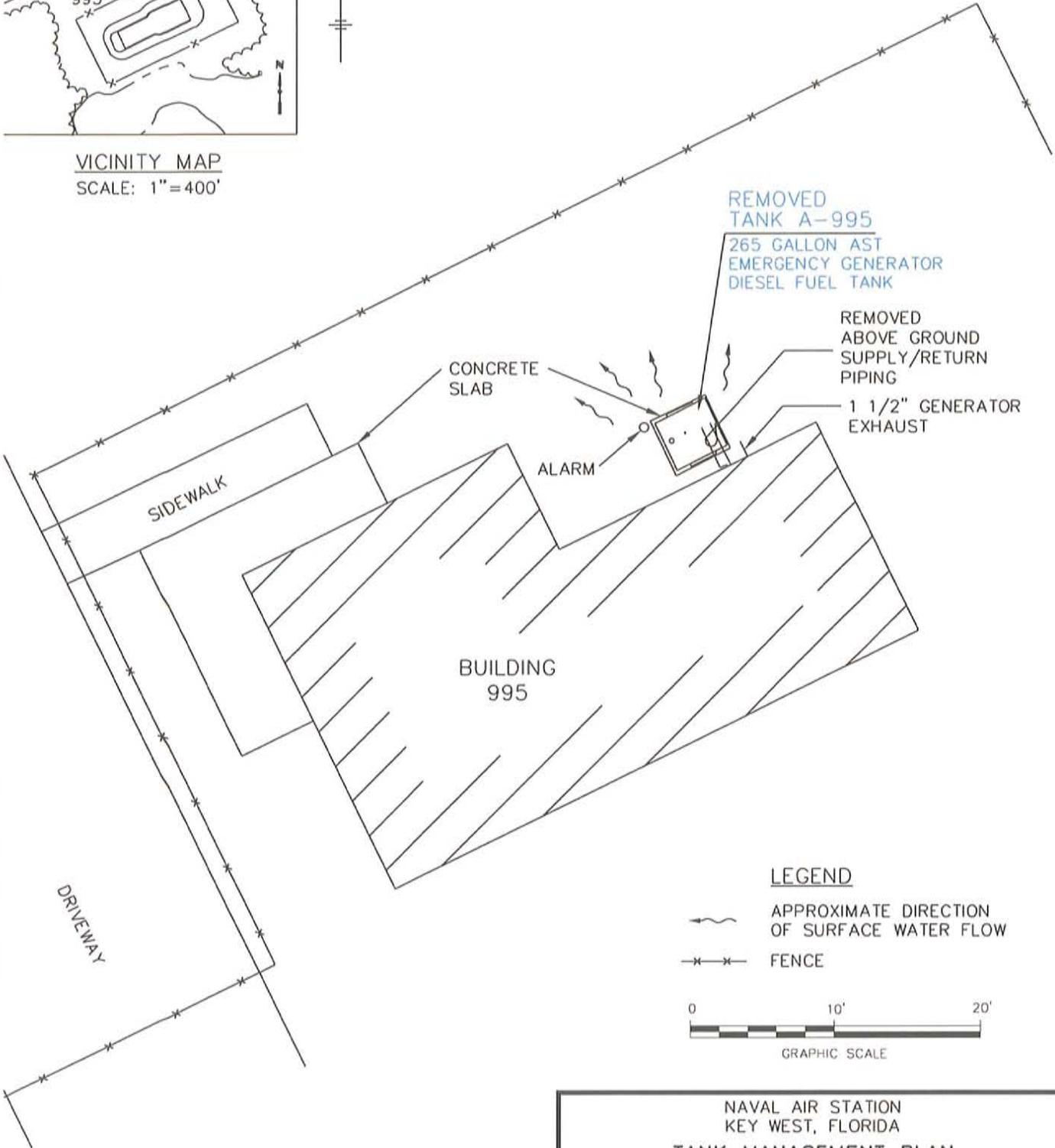
6.2.10.2 Regulatory Compliance Requirements

Closed Tank A-995

None.



VICINITY MAP
SCALE: 1" = 400'



REMOVED
TANK A-995
265 GALLON AST
EMERGENCY GENERATOR
DIESEL FUEL TANK

REMOVED
ABOVE GROUND
SUPPLY/RETURN
PIPING

1 1/2" GENERATOR
EXHAUST

CONCRETE
SLAB

ALARM

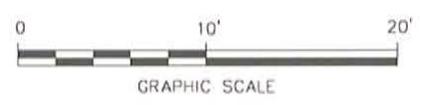
BUILDING
995

SIDEWALK

DRIVEWAY

LEGEND

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

SITE MAP OF FORMER TANK A-995
BOCA CHICA FIELD

X: OR L:
P: NAVY-AP,PC2
2/19/01 TAM-54-JAR
880\88022\BCAF\88022N08.DWG

SOURCE: Base map (Sitemap\A995.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists | **FIGURE 6-13**

6.2.11 Site A-1004 – Boca Chica Naval Communication Message Center - Building A-1004

The Naval Communication Message Center, Building A-1004, is located on the northeast side of Boca Chica Field on Midway Avenue. Adjacent to the west is Geiger Key Creek and a saltwater flat.

6.2.11.1 Existing Tanks – A-1004, A-1004-A, A-1004-B

Three ASTs are present at this site: A-1004, A-1004-A, and A-1004-B (Figure 6-14).

Tank A-1004

Tank A-1004 is a 2,000-gallon JP-5 AST within a 2' deep concrete valved secondary containment. Fuel from tank A-1004 supplies two-day tanks located inside Building A-1004 for an emergency generator.

Tank ID A-1004	
Year of Installation	1987
Size	2,000-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Regulated; FAC 62-761
Status	In-Service
Tank Construction	Single-walled painted steel on supports Concrete secondary containment
Piping	Aboveground painted steel Suction piping system
Leak Detection	SPCC Plan Manual gauging Visual inspection of AST systems

Tanks A-1004-A, A-1004-B

Tanks A-1004-A and A-1004-B are 50-gallon day tanks providing fuel for the message center's two emergency generators. Building A-1004 provides secondary containment for these day tanks.

Tank ID A-1004-A	
Year of Installation	Data not available
Size	50-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-service
Tank Construction	Single-walled painted steel on supports Level gauge and secondary containment
Piping	Aboveground unpainted steel
Leak Detection	Visual inspection of AST systems SPCC Plan

Tank A-1004-B

Tank ID A-1004-B	
Year of Installation	Data not available
Size	50-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-service
Tank Construction	Single-walled painted steel on supports Level gauge and secondary containment
Piping	Aboveground unpainted steel
Leak Detection	Visual inspection of AST systems SPCC Plan

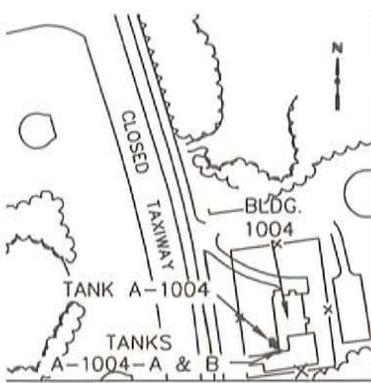
6.2.11.2 Regulatory Compliance Requirements

Tanks A-1004

Install anti-siphon valve on all aboveground piping routed outside secondary containment.

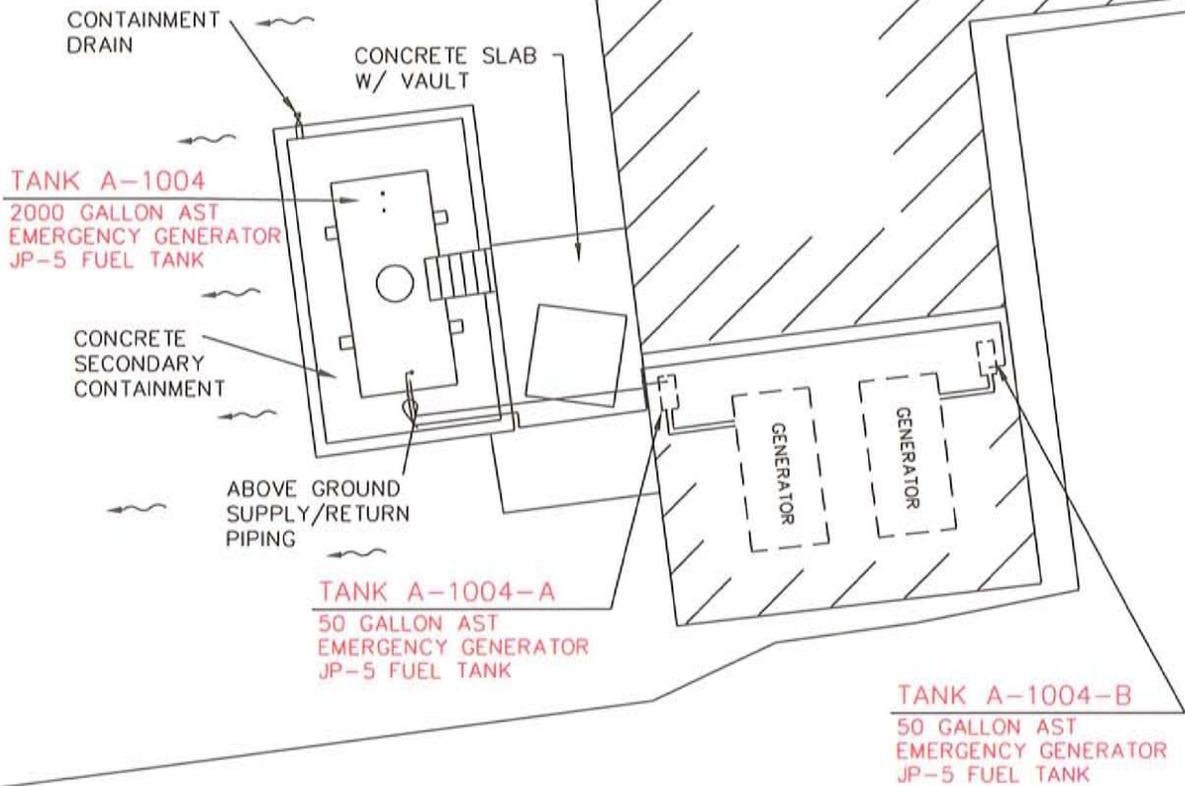
Tanks A-1004-A, A-1004-B

None.

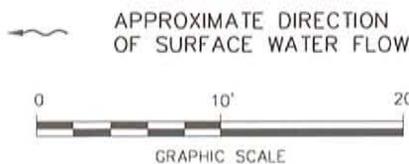


VICINITY MAP
SCALE: 1"=400'

BUILDING
1004



LEGEND



NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

**SITE MAP OF TANKS A-1004,
A-1004-A AND A-1004-B
BOCA CHICA FIELD**

BBL

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FIGURE
6-14

X: OR L:
P: ST0-PC2\AP
1/8/01 TAM-54-JAR
B80\B8022\BCAF\B8022N09.DWG

SOURCE: Base map (Sitemap\A1004.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

6.2.12 Site A-1005 – Boca Chica Building A-1005

Building A-1005 is located east of a closed taxiway, which runs between Runway 7-25, north of the site, and Runway 13-31, southwest of the site. Geiger Creek is located to the east of the site.

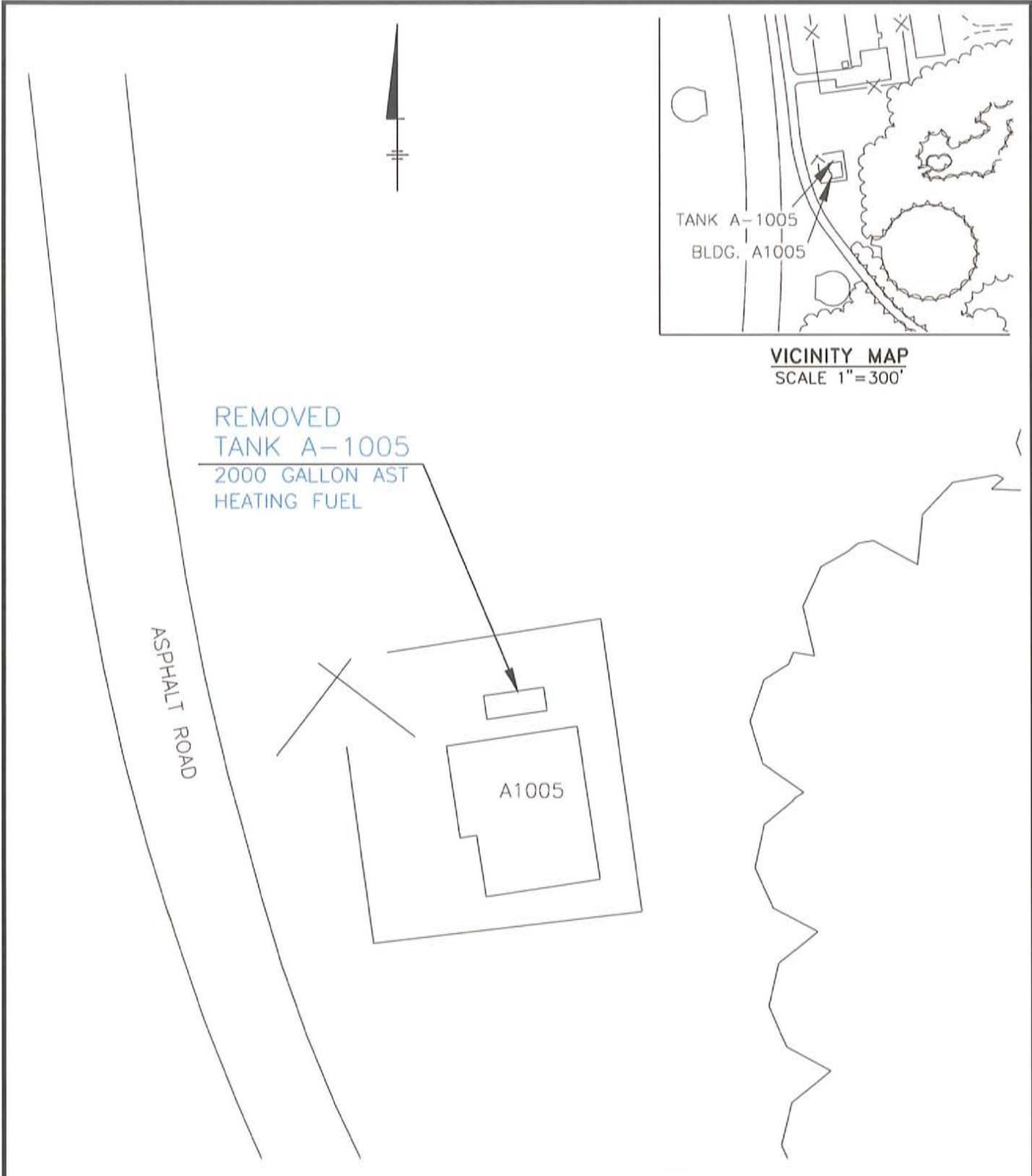
6.2.12.1 Closed Tank – A-1005

Formerly, one tank was located north and adjacent to Building A-1005 (**Figure 6-15**). Tank A-1005 was a 2,000-gallon fuel oil AST used for distribution. The tank was closed by removal on September 25, 1996. A Closure Report was submitted. No additional environmental concerns were noted.

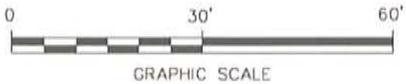
6.2.12.2 Regulatory Compliance Requirements

Closed Tank A-1005

None.



NOTE: EXACT LOCATION OF TANK UNKNOWN.



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

SITE MAP OF FORMER TANK A-1005
BOCA CHICA FIELD

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
B80\88022\BCAF\B8022N26.DWG

SOURCE: Base map (37147N01.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale. Field check by BBL.

BBL

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engineers & scientists

FIGURE
6-15

6.2.13 Site A-1006 – Boca Chica Ground Electronic Transmitter – Building A-1006

The Ground Electronic Transmitter Site A-1006 is located on Midway Avenue on the northeast side of Boca Chica Field. Geiger Key and saltwater flats bound this site to the south and east.

6.2.13.1 Existing Tank – A-1006-R

Tank A-1006-R

Tank A-1006-R is located on the north side of Building A-1006 (Figure 6-16). In 1994, this 250-gallon vaulted AST was installed to replace Tank A-1006. Tank A-1006 was removed from the site in 1998. Tank A-1006-R currently provides JP-5 for the transmitter site's emergency generator.

Tank ID A-1006-R	
Year of Installation	1994
Size	250-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Vaulted Double-walled Spill containment bucket
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.2.13.2 Closed Tank – A-1006

Former tank A-1006 was located on the north side of building A-1006 in a 2' deep concrete valved secondary containment. Diesel fuel from this 300-gallon AST provided JP-5 for the transmitter site's emergency generator. In 1994 tank A-1006-R, was installed to replace tank A-1006. Tank A-1006 was removed from the site in 1998.

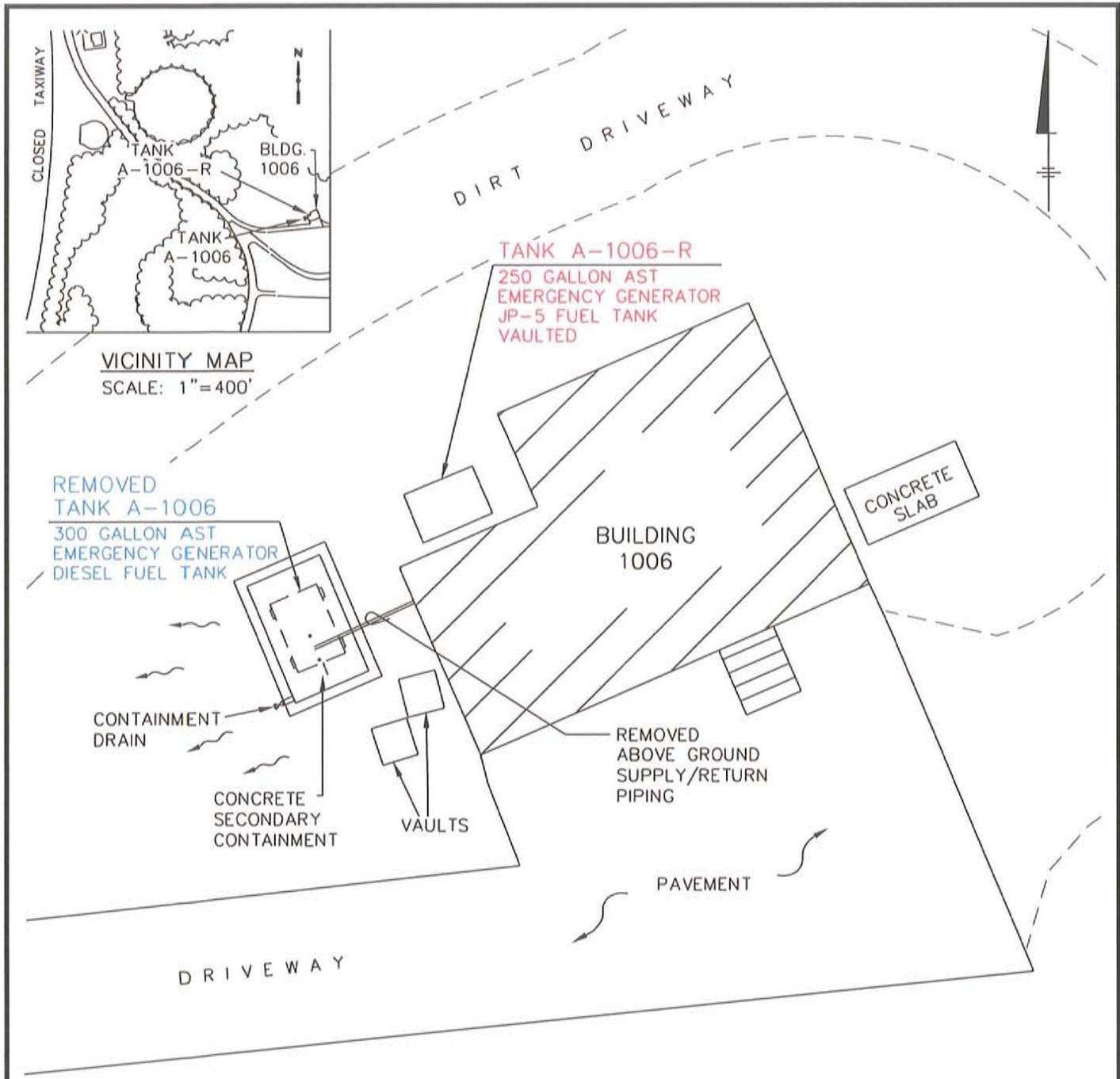
6.2.13.3 Regulatory Compliance Requirements

Tank A-1006-R

None.

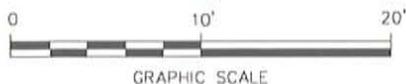
Closed Tank A-1006

None.



LEGEND

~ ~ ~ ~ ~ APPROXIMATE DIRECTION OF SURFACE WATER FLOW



NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

**SITE MAP OF TANK A-1006-R
AND FORMER TANK A-1006
BOCA CHICA FIELD**

X: OR L:
P: NAVY-AP.PC2
2/19/01 TAM-54-JAR
B80\88022\BCAF\88022N10.DWG

SOURCE: Base map (Sitemap\A1006.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.
Date October 1996, drawn at full scale. Field check by BBL.

BBL

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FIGURE
6-16

6.2.14 Site A-1019 – Boca Chica Naval Communication/Message Administration

The Naval Communication/Message Administration Office Building A-1019 is located on Midway Avenue on the northeast side of Boca Chica Field. Geiger Key and saltwater flats are found to the east of this site.

6.2.14.1 Existing Tank – A-1019-R

Tank A-1019-R

Tank A-1019-R is a 25-gallon AST (Figure 6-17). Jet fuel from this tank is used to fuel an emergency generator that provides power during electrical outages.

Tank ID A-1019-R	
Year of Installation	1995
Size	25-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Unpainted aluminum on supports Plastic secondary containment
Piping	Aboveground rubber Suction piping system
Leak Detection	SPCC Plan Visual inspection of AST systems

6.2.14.2 Closed Tanks – A-1019, A-1019-A

Tanks A-1019, A-1019-A

Tank A-1019-A was a 20-gallon AST on supports within a plastic secondary containment unit (Figure 6-17). JP-5 from this tank was formerly used to fuel an emergency generator that provided power during electrical outages. Tank A-1019 was a 200-gallon AST, which contained fuel oil for distribution. Both tanks have been closed from service by removal.

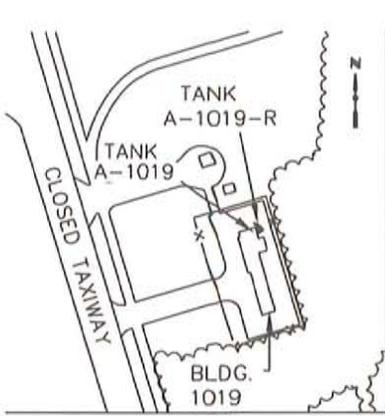
6.2.14.3 Regulatory Compliance Requirements

Tank A-1019-R

None.

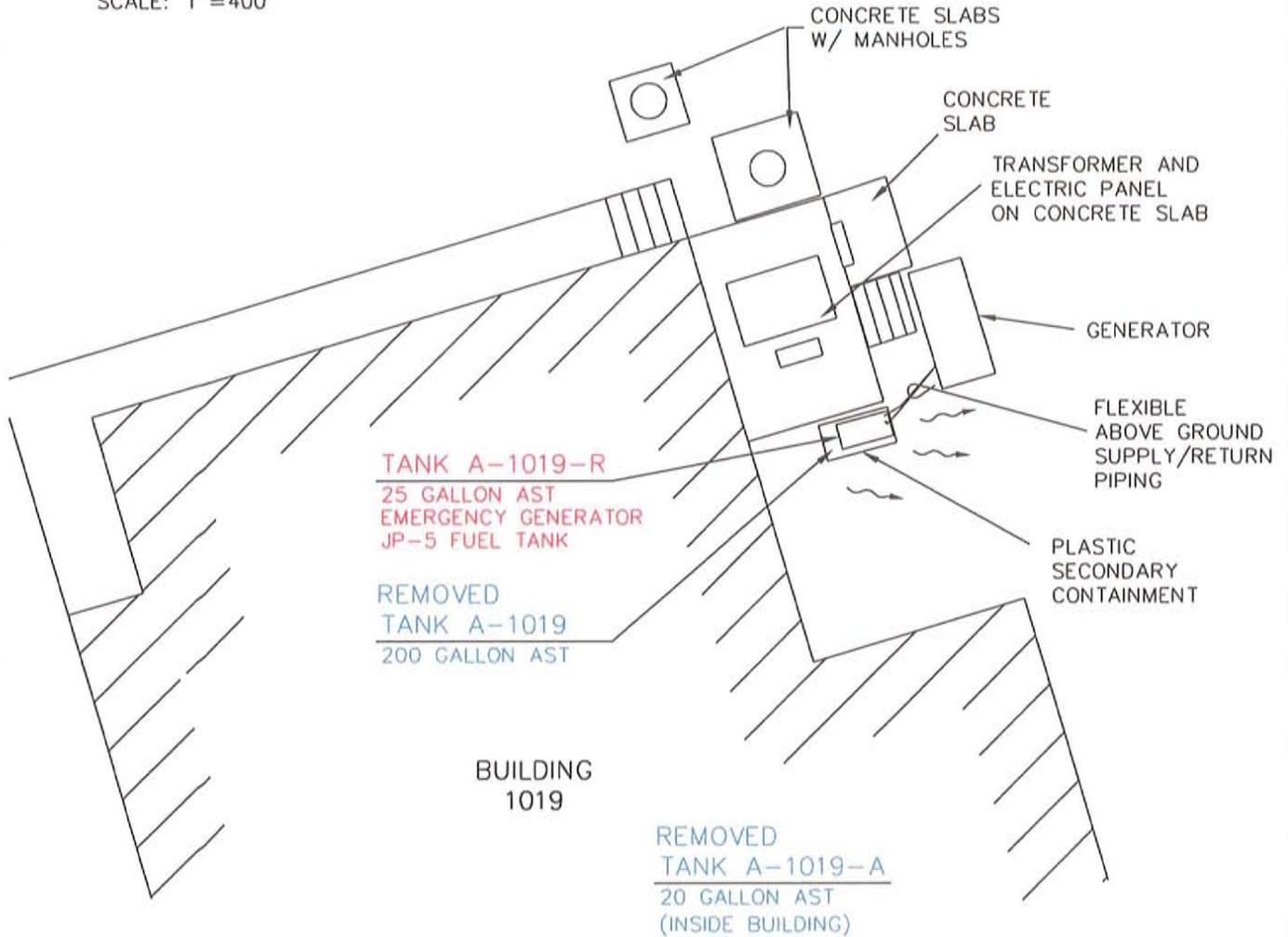
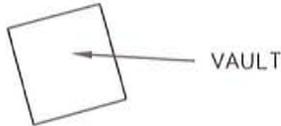
Closed Tanks A-1019, A-1019-A

None.



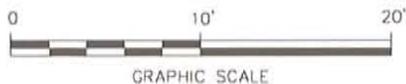
VICINITY MAP

SCALE: 1"=400'



LEGEND

APPROXIMATE DIRECTION OF SURFACE WATER FLOW



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN
**SITE MAP OF TANK A-1019-R AND
FORMER TANKS A-1019 & A-1019-A
BOCA CHICA FIELD**

X: OR L:
P: NAVY-AP.PC2
2/19/01 TAM-54-JAR
880\88022\BCAF\88022N11.DWG

SOURCE: Base map (Sitemap\A1019.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

BBL

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FIGURE
6-17

6.2.15 Site A-1020 – Boca Chica TACAN – Building A-1020

Building A-1020 is located south of Taxiway "G".

6.2.15.1 Existing Tank – A-1020-R

Tank A-1020-R is located on the north side of the TACAN Building A-1020 (**Figure 6-18**). This 250-gallon vaulted AST contains JP-5 that supplies fuel to the site's emergency generator.

Tank A-1020-R

Tank ID A-1020-R	
Year of Installation	1998
Size	250-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Vaulted Double-walled Spill containment bucket
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.2.15.2 Closed Tank – A-1020

Tank A-1020 was a 300-gallon JP-5 AST (**Figure 6-18**). JP-5 from this tank was used to fuel an emergency generator that provided power during electrical outages. Tank A-1020-R replaced this tank.

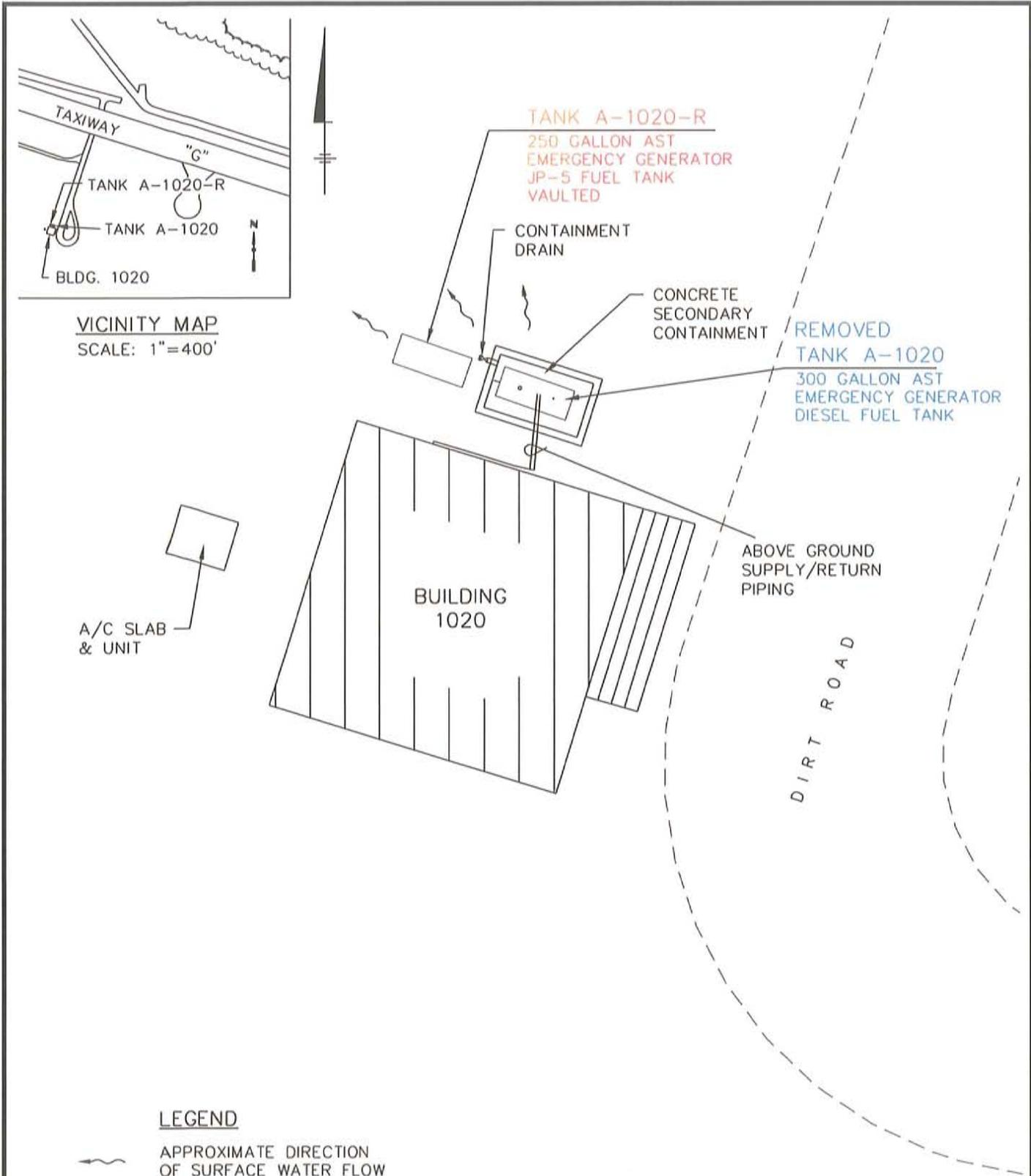
6.2.15.3 Regulatory Compliance Requirements

Tank A-1020

None.

Closed Tank A-1020-R

None.



NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

**SITE MAP OF TANK A-1020-R
AND FORMER TANK A-1020
BOCA CHICA FIELD**

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-18

X: OR LI
P: NAVY-AP.PC2
2/19/01 TAM-54-JAR
880\88022\BCAF\88022N12.0WG

SOURCE: Base map (Sitemap\A1020.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE', Date October 1996, drawn at full scale. Field check by BBL.

6.2.16 Site A-1025 – Boca Chica Transmitter – Building A-1025

Transmitter Building A-1025 is located south of Runway 7-25 and north of Runway 13-31.

6.2.16.1 Existing Tank – A-1025-R

Tank A-1025-R is a 500-gallon vaulted JP-5 AST (**Figure 6-19**). A-1025-R is located on the east side of the Transmitter Building A-1025. This tank provides fuel for the emergency generator located inside Building A-1025.

Tank A-1025-R

Tank ID A-1025-R	
Year of Installation	1999
Size	500-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Vaulted Double-walled Spill containment bucket
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.2.16.2 Closed Tank – A-1025

Former Tank A-1025 was a 2,000-gallon JP-5 AST. Former tank A-1025 was located on the east side of the Transmitter Building A-1025. Formerly, this tank provided fuel for the emergency generator located inside building A-1025. A 2' deep valved concrete secondary containment has been constructed around tank A-1025. The tank was closed by removal

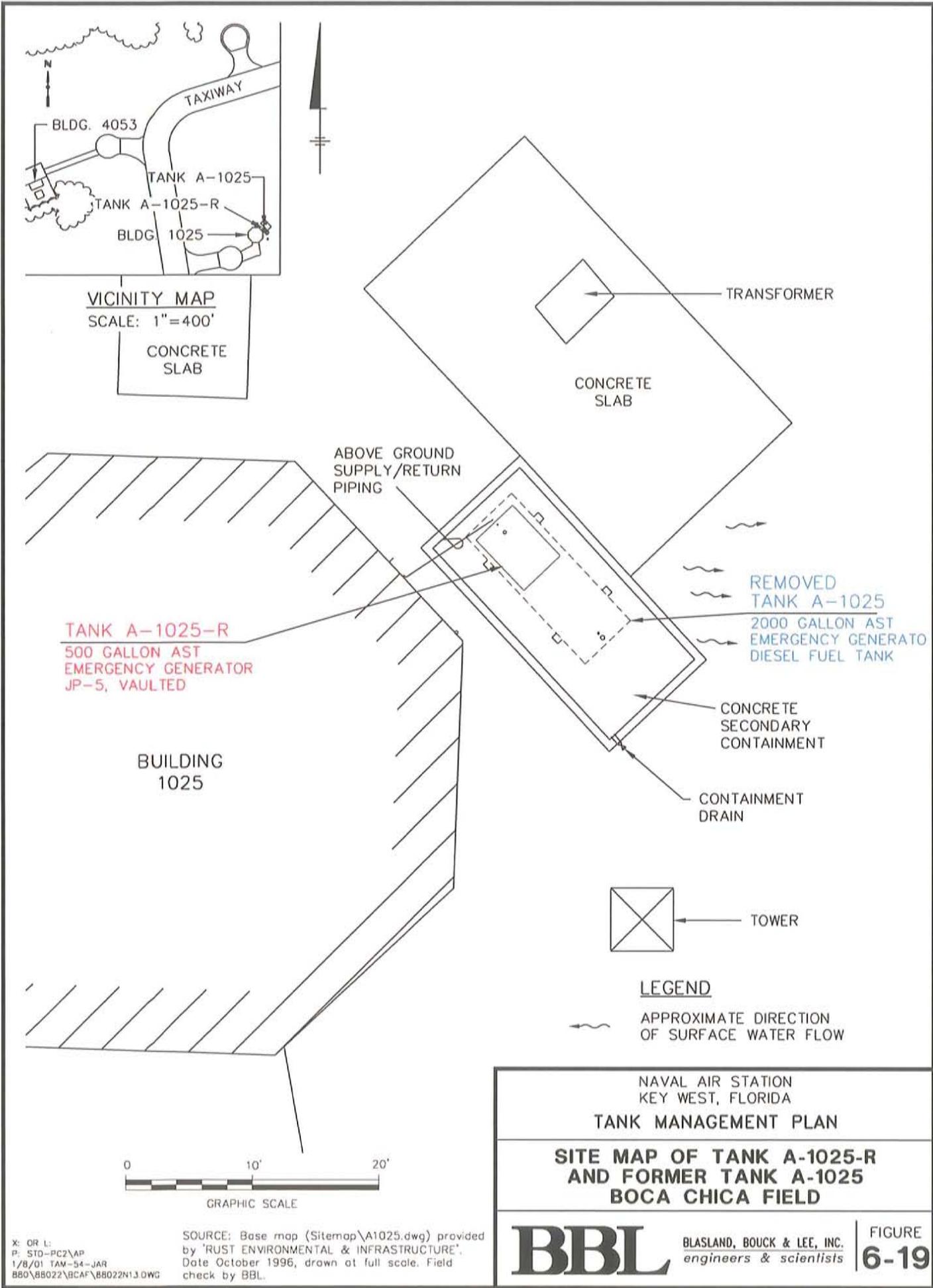
6.2.16.3 Regulatory Compliance Requirements

Tank A-1025-R

None.

Closed Tank A-1025

None.



VICINITY MAP
SCALE: 1"=400'

CONCRETE
SLAB

ABOVE GROUND
SUPPLY/RETURN
PIPING

TANK A-1025-R
500 GALLON AST
EMERGENCY GENERATOR
JP-5, VAULTED

BUILDING
1025

TRANSFORMER

CONCRETE
SLAB

REMOVED
TANK A-1025
2000 GALLON AST
EMERGENCY GENERATOR
DIESEL FUEL TANK

CONCRETE
SECONDARY
CONTAINMENT

CONTAINMENT
DRAIN

TOWER

LEGEND

APPROXIMATE DIRECTION
OF SURFACE WATER FLOW

NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

SITE MAP OF TANK A-1025-R
AND FORMER TANK A-1025
BOCA CHICA FIELD

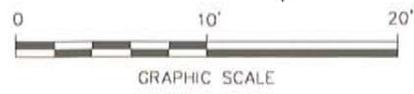
BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-19

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
B80\88022\BCAF\88022N13.DWG

SOURCE: Base map (Sitemap\A1025.dwg) provided
by "RUST ENVIRONMENTAL & INFRASTRUCTURE",
Date October 1996, drawn at full scale. Field
check by BBL.



6.2.17 Site A-1103 – Boca Chica Generator Building A-1103

Building A-1103 is a generator building located on the southwest side of Boca Chica Field on Midway Avenue.

6.2.17.1 Existing Tank – A-1103-R

Tank A-1103-R is found on the south side of Building A-1103 and provides JP-5 fuel used as a backup power source for the generators stored in this building (**Figure 6-20**). Tank A-1103-R is a 1,000-gallon double-walled concrete vault. This tank replaces tank A-1103.

Tank A-1103-R

Tank ID A-1103-R	
Year of Installation	1998
Size	1,000-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Regulated; FAC 62-761
Status	In-Service
Tank Construction	Vaulted Double-walled Spill containment bucket
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.2.17.2 Closed Tank – A-1103

Former tank A-1103 was located on the south side of Building A-1103 and was used to supply diesel to the generators stored in the building. The 4,000-gallon AST was contained in a 1'-8" deep valved concrete secondary containment structure. The tank was closed from service and removed in June 3, 1998. A Closure Report was submitted. No environmental concerns were identified.

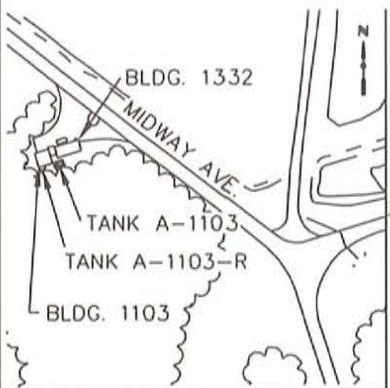
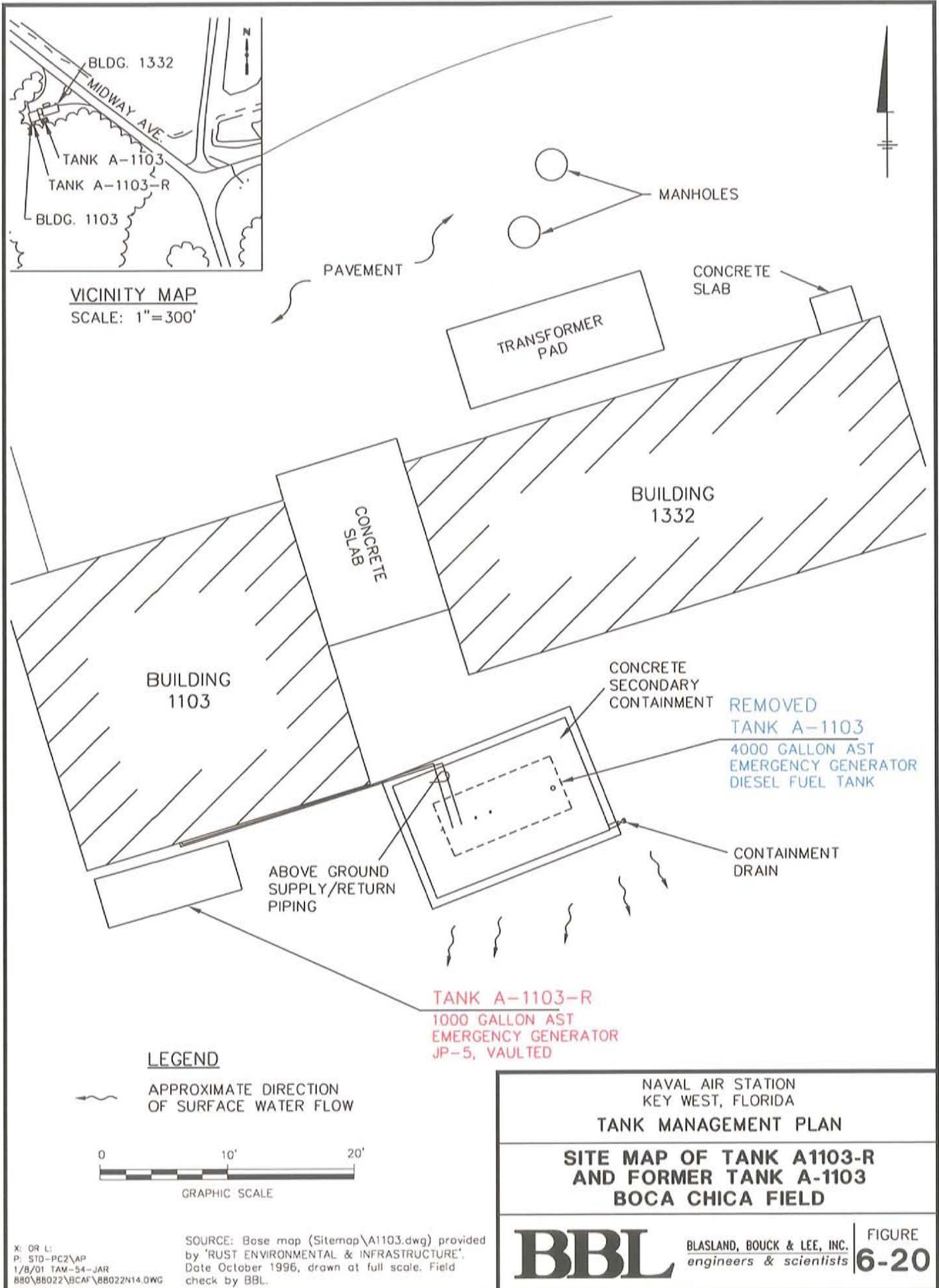
6.2.17.3 Regulatory Compliance Requirements

Tank A-1103-R

None.

Closed Tank A-1103

None.



VICINITY MAP
SCALE: 1"=300'



PAVEMENT

MANHOLES

CONCRETE SLAB

TRANSFORMER PAD

BUILDING 1332

CONCRETE SLAB

BUILDING 1103

CONCRETE SECONDARY CONTAINMENT

REMOVED
TANK A-1103
4000 GALLON AST
EMERGENCY GENERATOR
DIESEL FUEL TANK

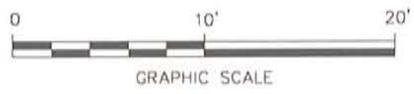
CONTAINMENT DRAIN

ABOVE GROUND
SUPPLY/RETURN
PIPING

TANK A-1103-R
1000 GALLON AST
EMERGENCY GENERATOR
JP-5, VAULTED

LEGEND

← APPROXIMATE DIRECTION OF SURFACE WATER FLOW



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN
**SITE MAP OF TANK A1103-R
AND FORMER TANK A-1103
BOCA CHICA FIELD**

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
880\88022\BCAF\88022N14.DWG

SOURCE: Base map (Sitemap\A1103.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE', Date October 1996, drawn at full scale. Field check by BBL.

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists **FIGURE 6-20**

6.2.18 Site A-1125 – Boca Chica Alert Forces – Building A-1125

The Alert Forces building is located east of the Hot Pad and southeast of Hangar A-936.

6.2.18.1 Existing Tank – A-1125

Tank A-1125 is a 275-gallon AST located on the west side of the Alert Forces Building A-1125 (Figure 6-21). A 3-foot deep valved concrete secondary containment is present at this site.

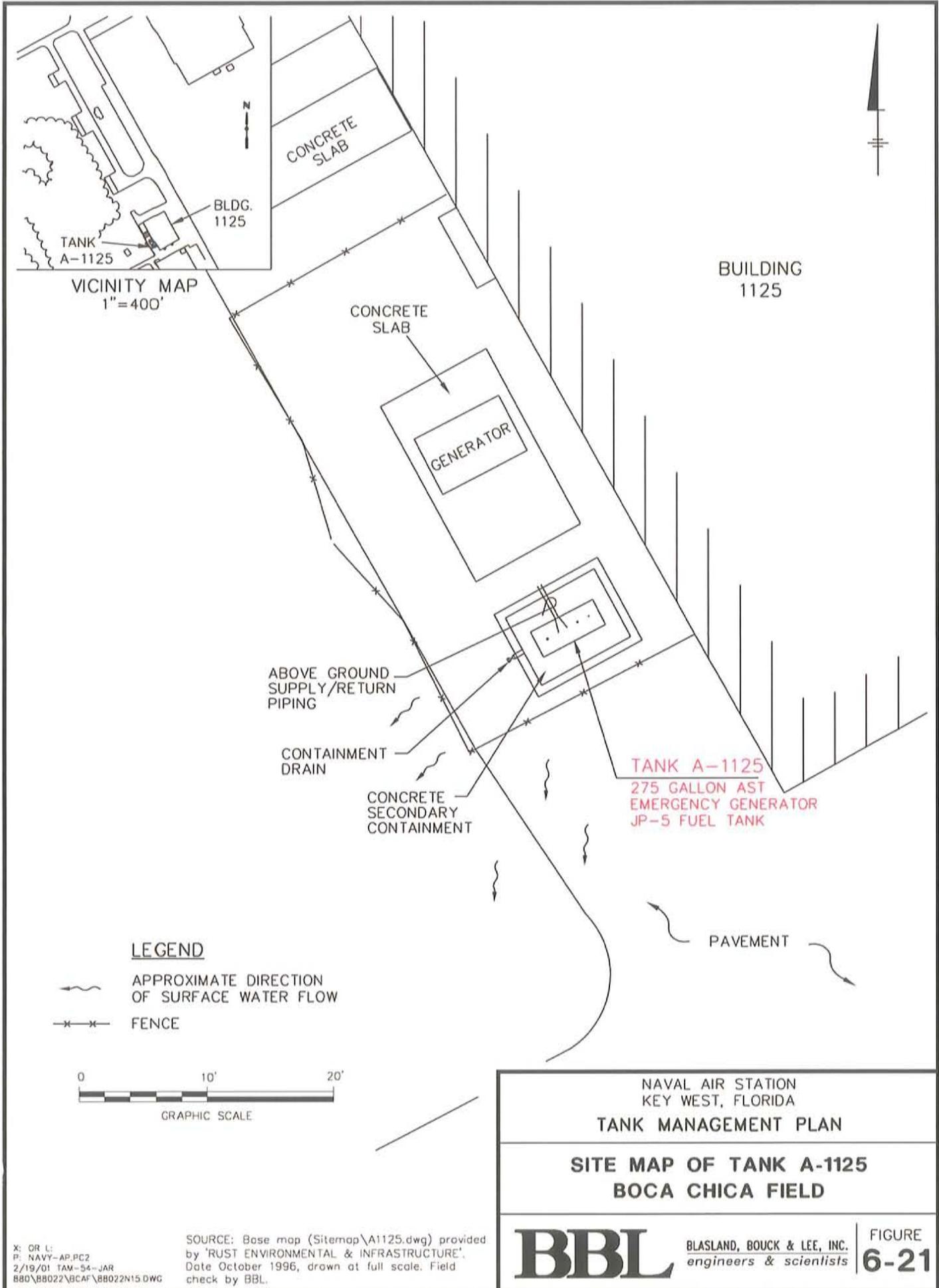
Tank A-1125

Tank ID A-1125	
Year of Installation	Data not available
Size	275-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Single-walled painted steel on supports Concrete secondary containment
Piping	Aboveground unpainted steel Suction piping system
Leak Detection	SPCC Plan Visual inspection of AST systems

6.2.18.2 Regulatory Compliance Requirements

Tank A-1125

None.



6.2.19 Site A-4053 – Boca Chica ASR-8 – Building A-4053

Building A-4053 at the ASR-8 site is located south of Runway 7-25 and east of Runway 13-31.

6.2.19.1 Existing Tank – A-4053-R

Tank A-4053-R is located on the east side of the ASR-8 building (**Figure 6-22**). This 500-gallon AST contains JP-5 used to power the site's emergency generator. Tank A-4053-R occupies a valved concrete secondary containment.

Tank A-4053-R

Tank ID A-4053-R	
Year of Installation	1984
Size	500-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In- Service
Tank Construction	Single-walled painted steel on supports Concrete secondary containment
Piping	Aboveground unpainted steel Suction piping system
Leak Detection	SPCC Plan Visual inspection of AST systems

6.2.19.2 Closed Tank – A-4053

Former tank A-4053 was located on the east side of the ASR-8 building. This 1,000-gallon UST contained fuel oil. The tank was closed by removal.

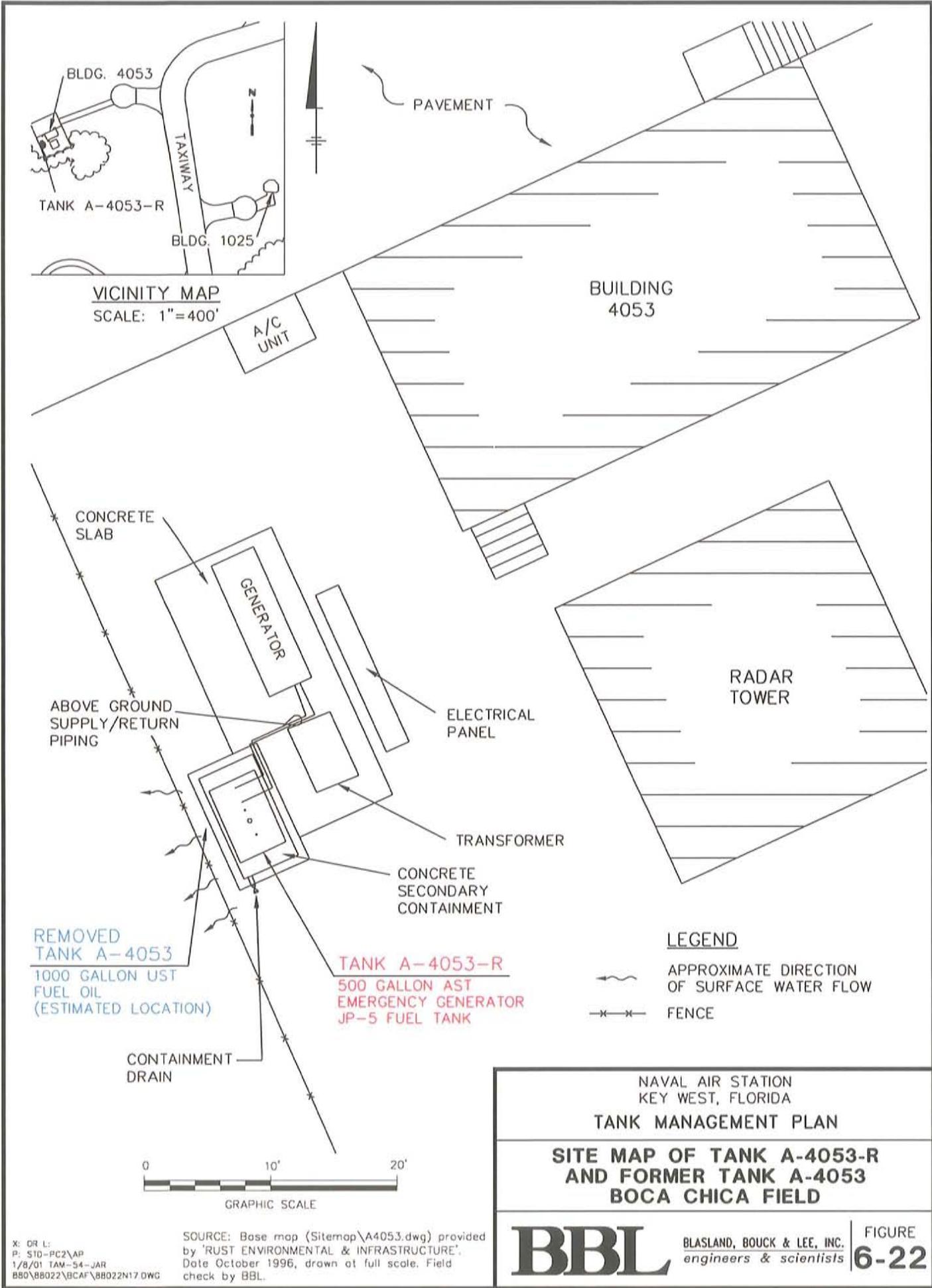
6.2.19.3 Regulatory Compliance Requirements

Tank A-4053-R

None.

Closed Tank A-4053

None.



6.2.20 Site A-4054 – Boca Chica PAR – Building A-4054

Building A-4054 is located southeast of Runway 3-21, northeast of Runway 13-31 and northwest of Runway 7-25.

6.2.20.1 Existing Tank – A-4054-R

Tank A-4054-R is located on the southeast side of Building A-4054 at the PAR site (**Figure 6-23**). Tank A-4054-R is a 500-gallon vaulted AST. This tank replaced tank A-4054. JP-5 contained in this tank is fed to the emergency generator in Building A-4054.

Tank A-4054-R

Tank ID A-4054-R	
Year of Installation	1998
Size	500-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In- Service
Tank Construction	Vaulted Double-walled Spill containment bucket
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.2.20.2 Closed Tank – A-4054

Former tank A-4054 was located on the southeast side of Building A-4054 at the PAR site. Tank A-4054 was a 500-gallon AST in a 2'-3" deep valved concrete secondary containment. This tank provided JP-5 to the emergency generator in Building A-4054 prior to being replaced by tank A-4054-R.

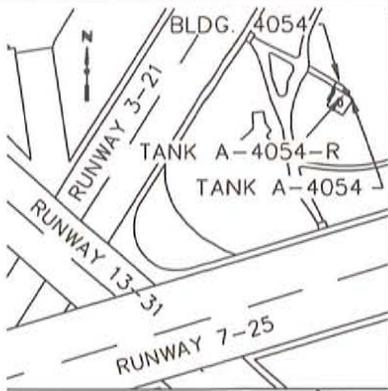
6.2.20.3 Regulatory Compliance Requirements

Tank A-4054-R

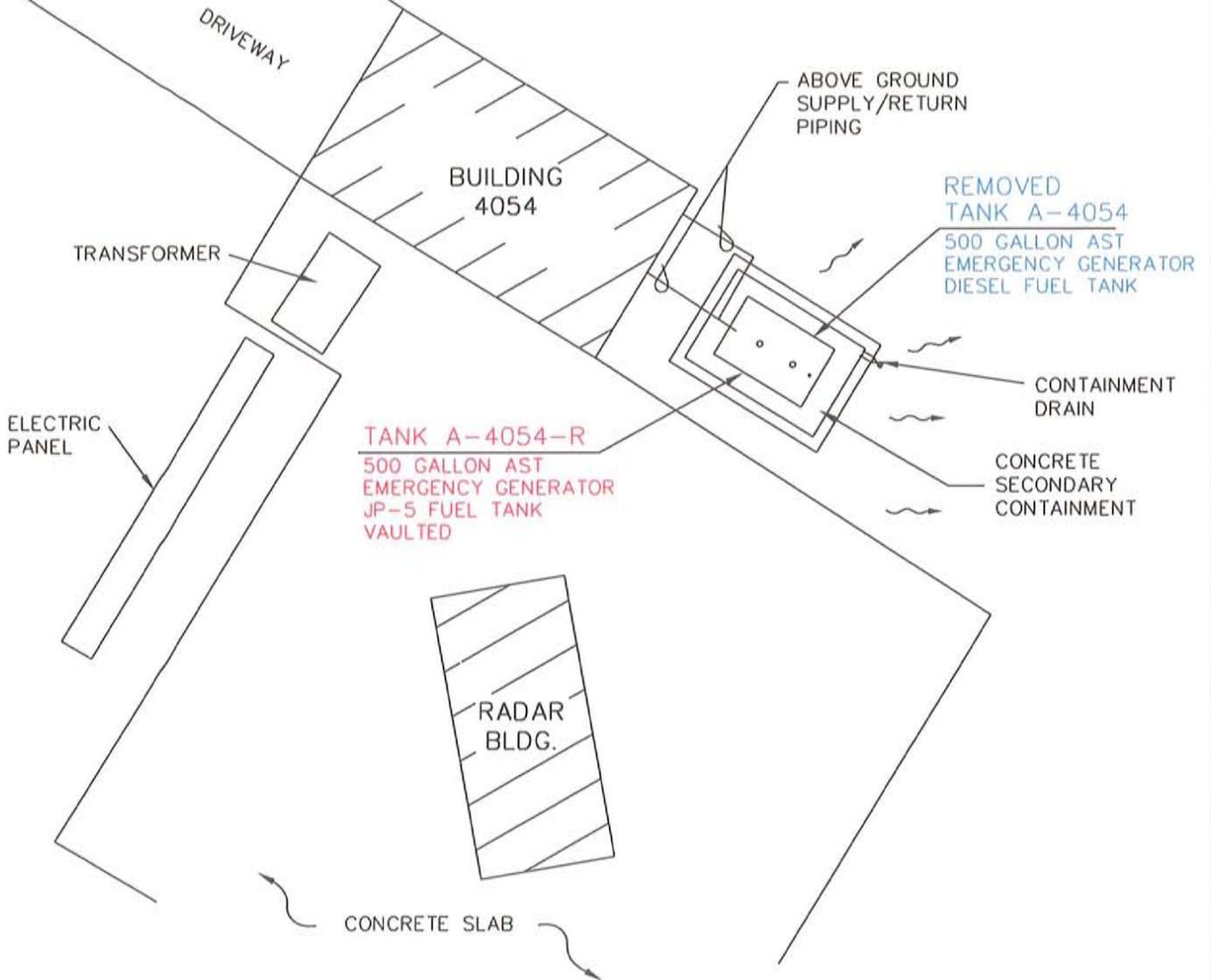
Bolt tank to concrete slab.

Closed Tank A-4054

None.

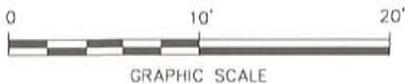


VICINITY MAP
SCALE: 1" = 400'



LEGEND

~ ~ ~ APPROXIMATE DIRECTION OF SURFACE WATER FLOW



SOURCE: Base map (Sitemap\A4054.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

X: OR L:
P: STD-PC2\AP
1/8/01 TAN-54-JAR
B80\88022\BCAF\88022N18.DWG

NAVAL AIR STATION KEY WEST, FLORIDA	
TANK MANAGEMENT PLAN	
SITE MAP OF TANK A-4054-R AND FORMER TANK A-4054 BOCA CHICA FIELD	
BBL	BLASLAND, BOUCK & LEE, INC. engineers & scientists
FIGURE 6-23	

6.2.21 Site A-4082 – Boca Chica TACTS – Building A-4082

The TACTS facility A-4082 is located on Midway Avenue north of Runway 7-25.

6.2.21.1 Existing Tank – A-4082

Tank A-4082 is located on an elevated concrete slab on the northwestern side of Building A-4082 (Figure 6-24). The tank provides JP-5 to the facility’s emergency generator found west of the AST. Tank A-4082 is a 500-gallon double-walled vaulted tank.

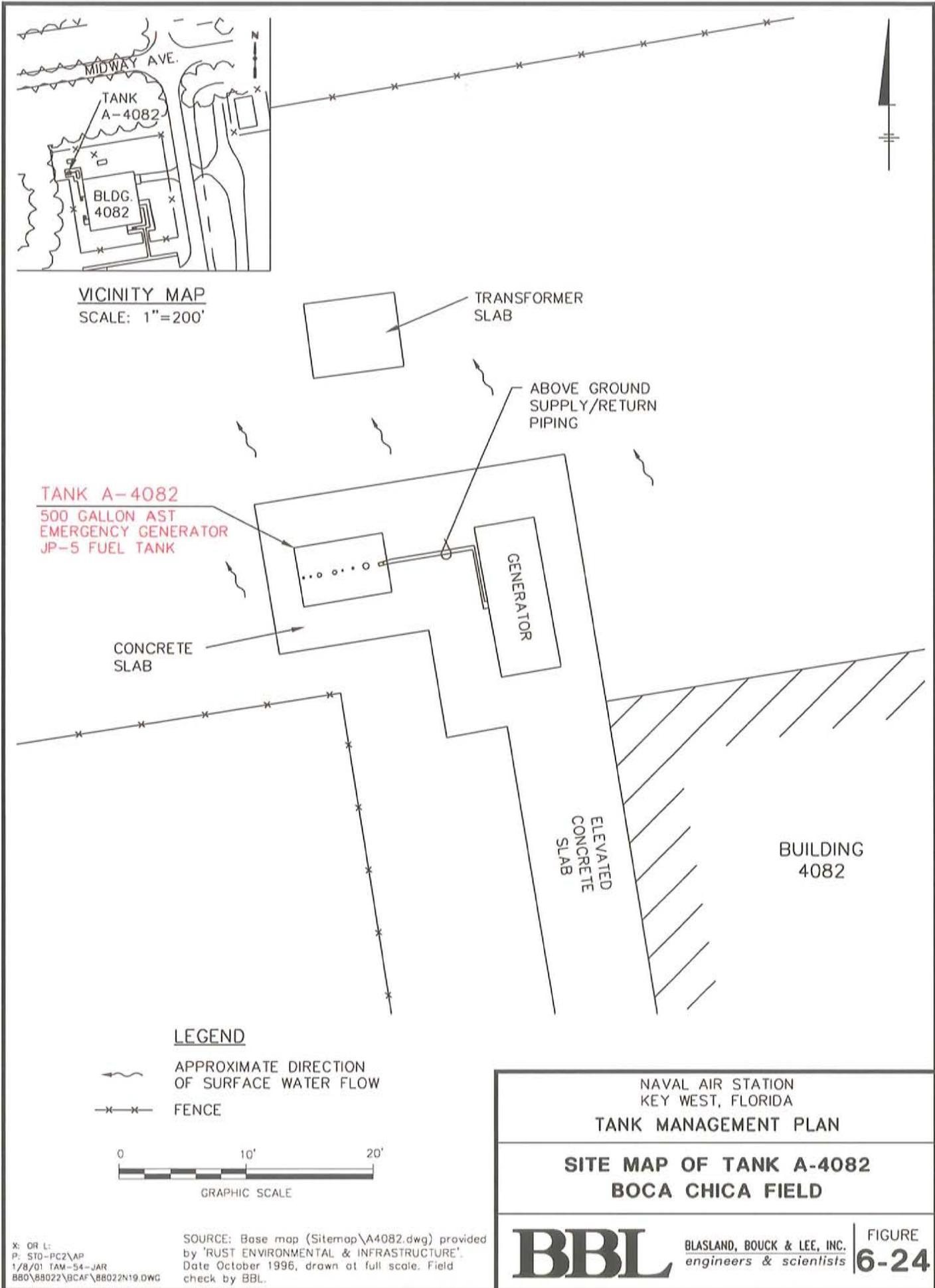
Tank A-4082

Tank ID A-4082	
Year of Installation	1994
Size	500-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Vaulted Double-walled Tank built on supports Spill containment bucket
Piping	Aboveground painted steel Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.2.21.2 Regulatory Compliance Requirements

Tank A-4082

None.



6.2.22 Boca Chica Air Start

The Boca Chica Air Start facility is located southwest of the intersection of Saratoga and Midway Avenues.

6.2.22.1 Existing Tank – A-4165-R

Tank A-4165-R is located north of Taxiway “A” and south of Hangar A-936 and the Hot Pad (**Figure 6-25**). JP-5 from this 500-gallon AST is used to fuel the compressed air station’s emergency generator.

Tank A-4165-R

Tank ID A-4165-R	
Year of Installation	1998
Size	500-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Vaulted Double-walled Spill containment bucket
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.2.22.2 Closed Tanks – A-4163, A-4165

Tank A-4163

One former AST, A-4163, was located to the south of Building A-229 (**Figure 6-26**). Former tank A-4163 was a 500-gallon AST, which contained JP-5 for an emergency generator. The tank was closed by removal on May 28, 1998. A Closure Report and CAR were submitted. The site was remediated.

Tank A-4165

Former Tank A-4165 was located north of Taxiway "A" and south of Hangar A-936 and the Hot Pad (Figure 6-25). Tank A-4165 provided emergency generator backup for an air compressor used in aircraft maintenance. Tank A-4165 was a 1,000-gallon AST. A CAR was submitted for this site. No environmental concerns were identified.

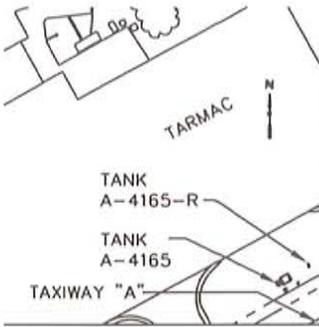
6.2.22.3 Regulatory Compliance Requirements

Tank A-4165-R

Bolt tank to concrete slab.

Closed Tanks A-4163, A-4165

None.



VICINITY MAP
SCALE: 1"=400'

CONCRETE SECONDARY CONTAINMENT

REMOVED TANK A-4165
1000 GALLON AST EMERGENCY GENERATOR DIESEL FUEL TANK

CONTAINMENT DRAIN

ABOVE GROUND SUPPLY PIPING

CONCRETE SLAB W/ MANHOLE

SHED

AIR COMPRESSOR

SLAB

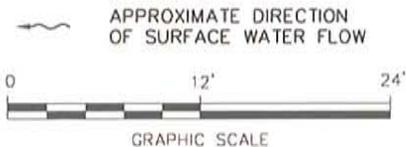
AIR START

TRANSFORMER

TANK A-4165-R
500 GALLON AST EMERGENCY GENERATOR JP-5 FUEL TANK, VAULTED

EXISTING DITCH

LEGEND



SOURCE: Base map (Sitemap\A4165B.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

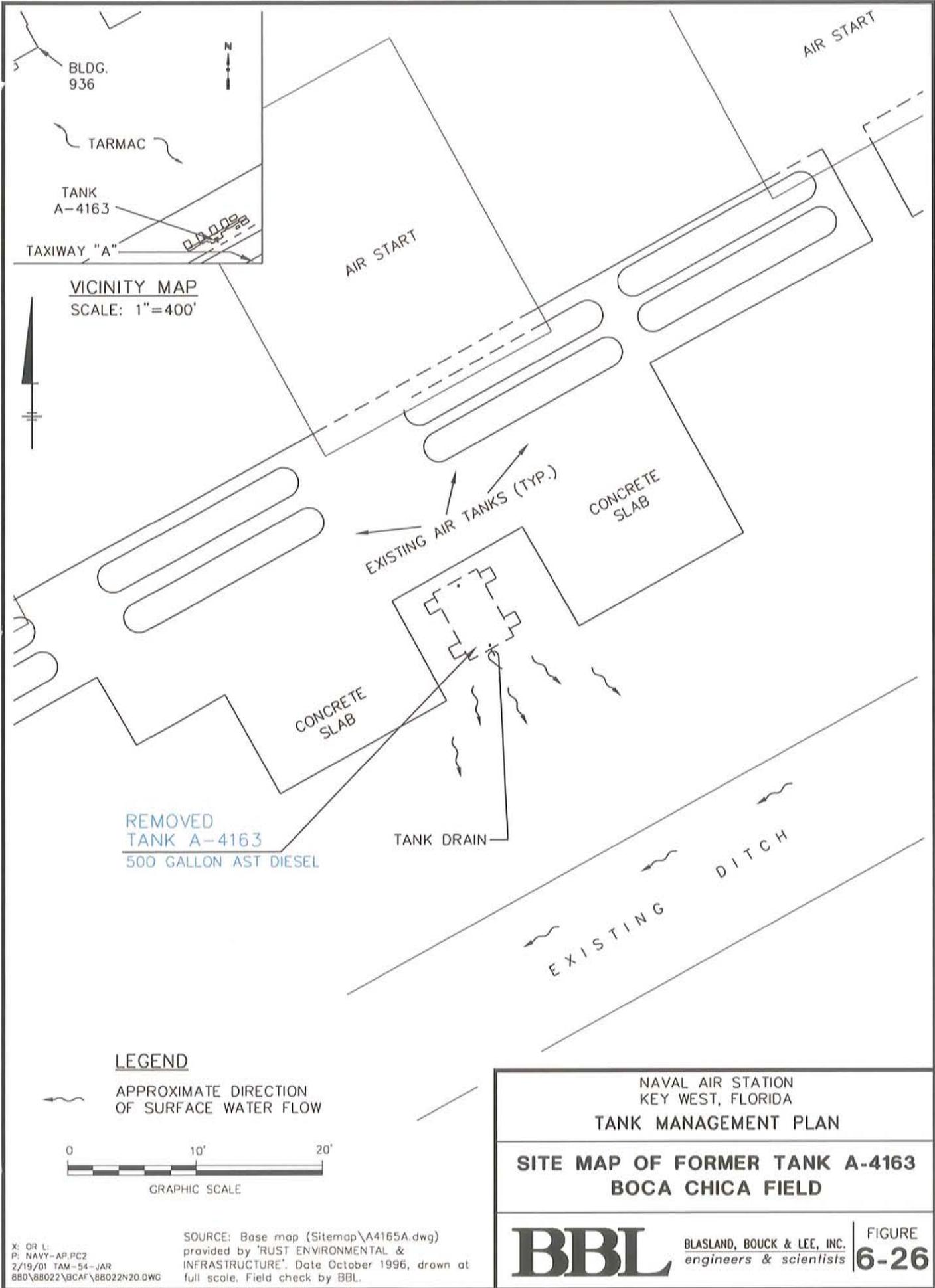
NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

SITE MAP OF TANK A-4165-R
AND FORMER TANK A-4165
BOCA CHICA FIELD

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-25



6.2.23 Boca Chica Arresting Gear

Boca Chica Arresting Gear is located along each runway, at the Boca Chica Field. Boca Chica Field has six pairs (12 units) of arresting gear used for carrier landing practice by aircraft training at NAS Key West (Figure 6-1).

6.2.23.1 Existing Tanks – AG-103-A, AG-104-A, AG-233-A, AG-234-A, AG-263-A, AG-264-A, AG-509-A, AG-510-A, AG-759-A, AG-760-A, AG-837-A, AG-840-A

Arresting gear units are identical to each other. Therefore, for the purpose of this Plan, only one unit of arresting gear tanks will be discussed. A typical arresting gear unit will consist of two ASTs and one UST (Figure 6-27). An identical unit exists on the other side of the runway. The smallest of the ASTs, denoted by “A”, is a 12-gallon gasoline tank used in the operation of the arresting gear motor. The AST, denoted by “C”, is a 250-gallon ethylene glycol tank. This AST is a storage reservoir for the breaking fluid. Braking fluid is transferred via a pump driven by the gear motor to the 300-gallon UST, denoted by “C”, found under the arresting gear. No secondary containment exists at these sites. Because the tanks “B” and “C” are not petroleum storage tanks, they are not included in this Plan.

Tank ID AG103A, AG104A, AG233A, AG234A, AG263A, AG264A, AG509A, AG510A, AG759A, AG760A, AG837A and AG840A - AST	
Year of Installation	1998
Size	12-gallons
Contents	Unleaded gasoline
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Aboveground steel
Piping	Rubber Suction piping system
Leak Detection	Visual inspection of AST systems SPCC Plan

Tank ID AG103B, AG104B, AG233B, AG234B, AG263B, AG264B, AG509B, AG510B, AG759B, AG760B, AG837B and AG840B - AST	
Year of Installation	Unknown
Size	250-gallons
Contents	Arctic type ethylene glycol hydraulic fluid
Regulated - Federal	Unregulated
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Single-walled painted steel on supports
Piping	Aboveground rubber
Leak Detection	Visual inspection of AST systems

Tank ID AG103C, AG104C, AG233C, AG234C, AG263C, AG264C, AG509C, AG510C, AG759C, AG760C, AG837C, and AG840C	
Year of Installation	Unknown
Size	300-gallons
Contents	Arctic type ethylene glycol hydraulic fluid
Regulated - Federal	Unregulated
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Single-walled steel in concrete
Piping	Underground
Leak Detection	None; not applicable

6.2.23.2 Regulatory Compliance Requirements

Tanks AG103A, AG104A, AG233A, AG234A, AG263A, AG264A, AG509A, AG510A, AG759A, AG760A, AG837A, and AG340A

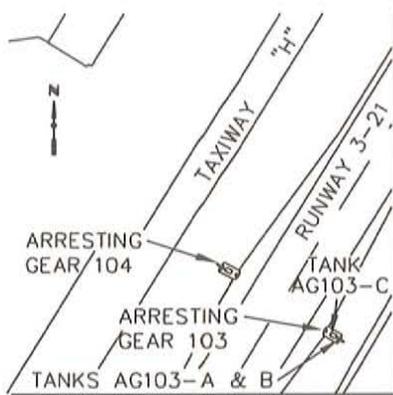
None.

Tanks AG103B, AG104B, AG233B, AG234B, AG263B, AG264B, AG509B, AG510B, AG759B, AG760B, AG837B, and AG340B

None.

Tanks AG103C, AG104C, AG233C, AG234C, AG263C, AG264C, AG509C, AG510C, AG759C, AG760C, AG837C, and AG340C

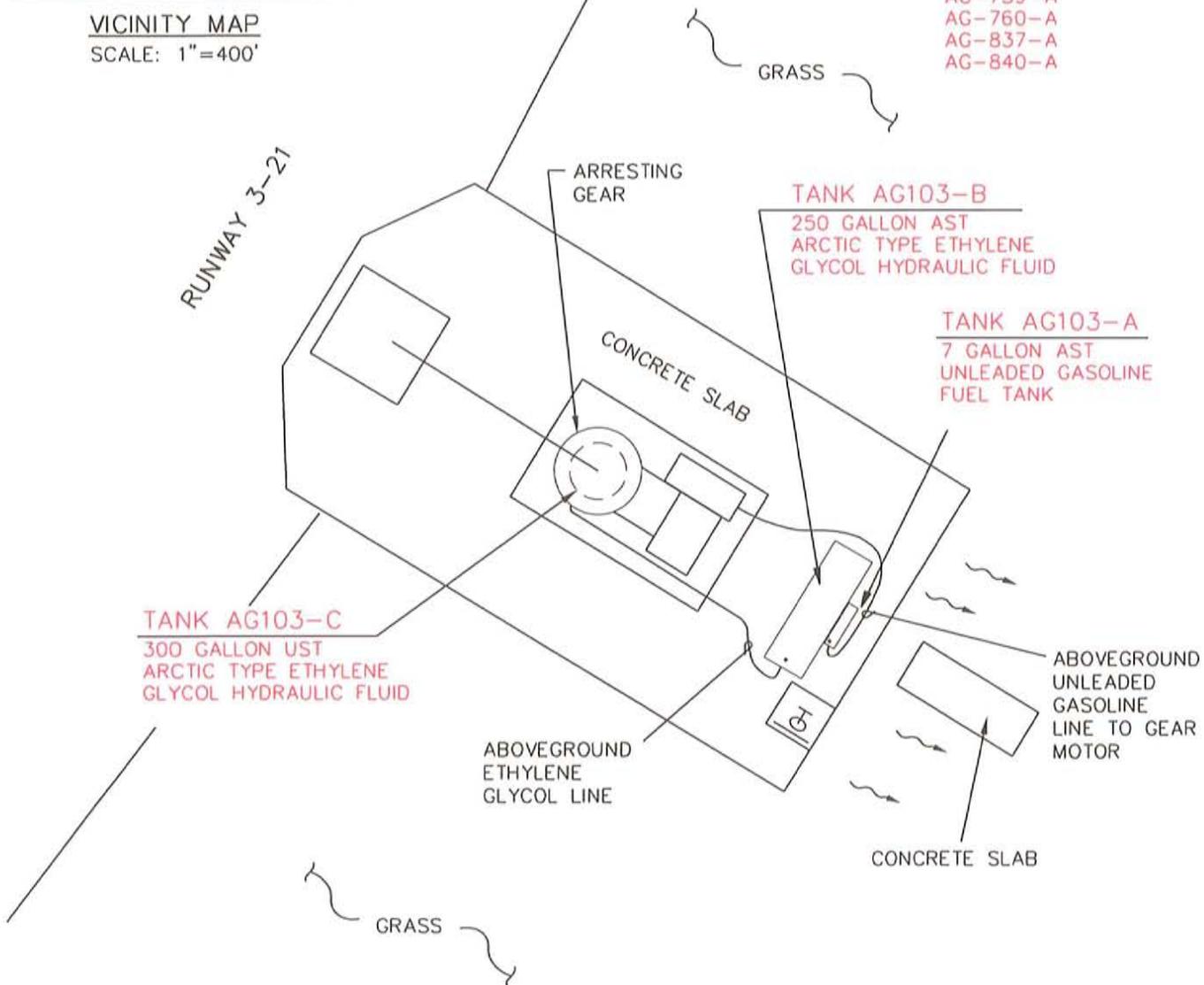
None.



VICINITY MAP
SCALE: 1"=400'

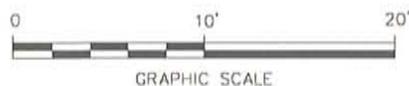
SEE FIGURE 6-2
FOR LOCATION OF

- AG-103-A
- AG-104-A
- AG-233-A
- AG-134-A
- AG-263-A
- AG-164-A
- AG-509-A
- AG-510-A
- AG-759-A
- AG-760-A
- AG-837-A
- AG-840-A



LEGEND

~ ~ ~ APPROXIMATE DIRECTION OF SURFACE WATER FLOW



NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

**TYPICAL SITE MAP OF
ARRESTING GEAR TANKS
BOCA CHICA FIELD**

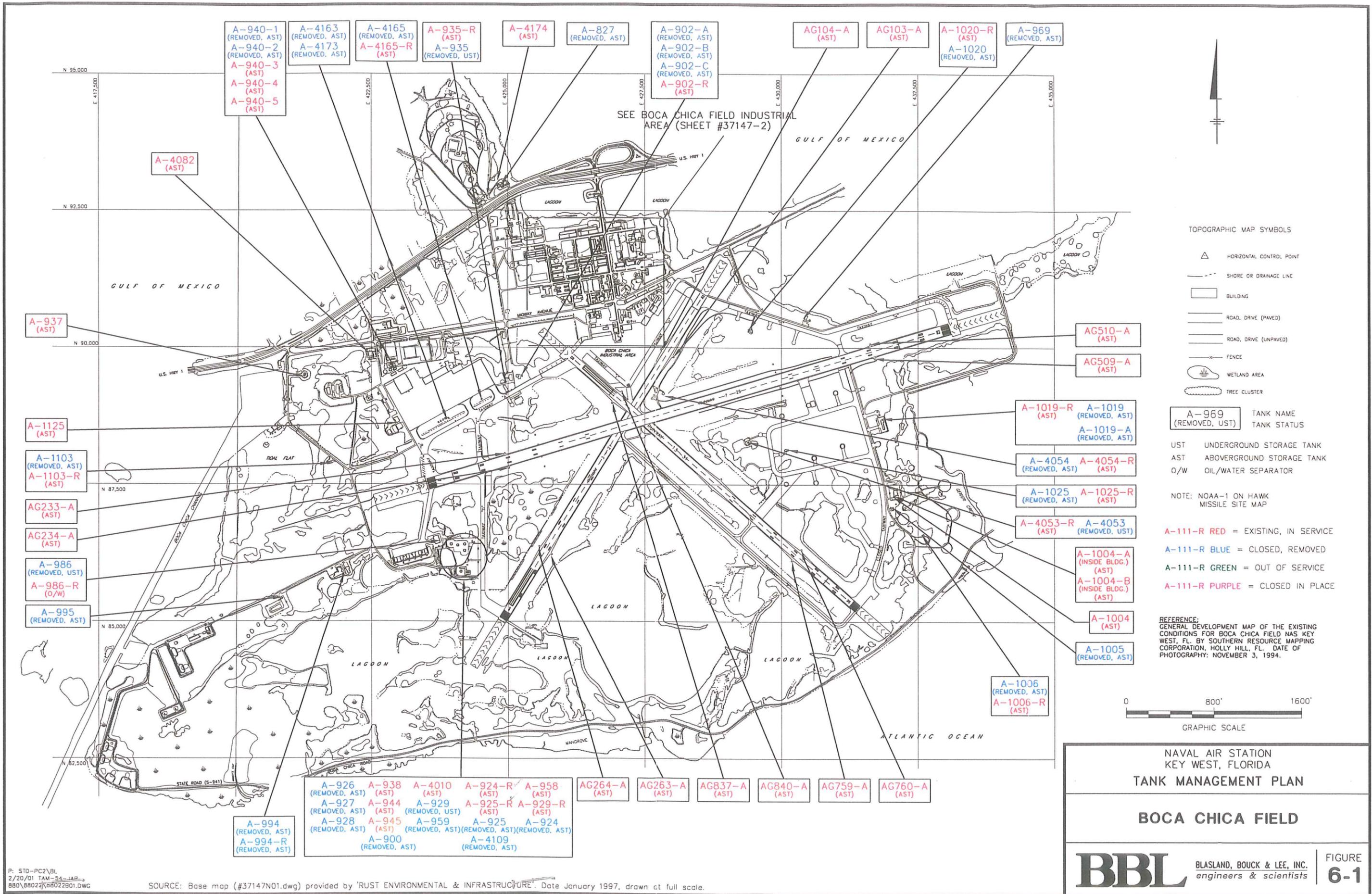
BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-27

X: OR L:
P: NAVY-AP_PC2
2/19/01 TAM-54-JAR
880\88022\BCAF\88022N22.DWG

SOURCE: Base map (Sitemap\AG103.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.
Date October 1996, drawn at full scale. Field check by BBL.



TOPOGRAPHIC MAP SYMBOLS

- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER

A-969 (REMOVED, UST) TANK NAME
TANK STATUS

UST UNDERGROUND STORAGE TANK
AST ABOVEGROUND STORAGE TANK
O/W OIL/WATER SEPARATOR

NOTE: NOAA-1 ON HAWK MISSILE SITE MAP

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:
GENERAL DEVELOPMENT MAP OF THE EXISTING CONDITIONS FOR BOCA CHICA FIELD NAS KEY WEST, FL. BY SOUTHERN RESOURCE MAPPING CORPORATION, HOLLY HILL, FL. DATE OF PHOTOGRAPHY: NOVEMBER 3, 1994.



GRAPHIC SCALE

NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

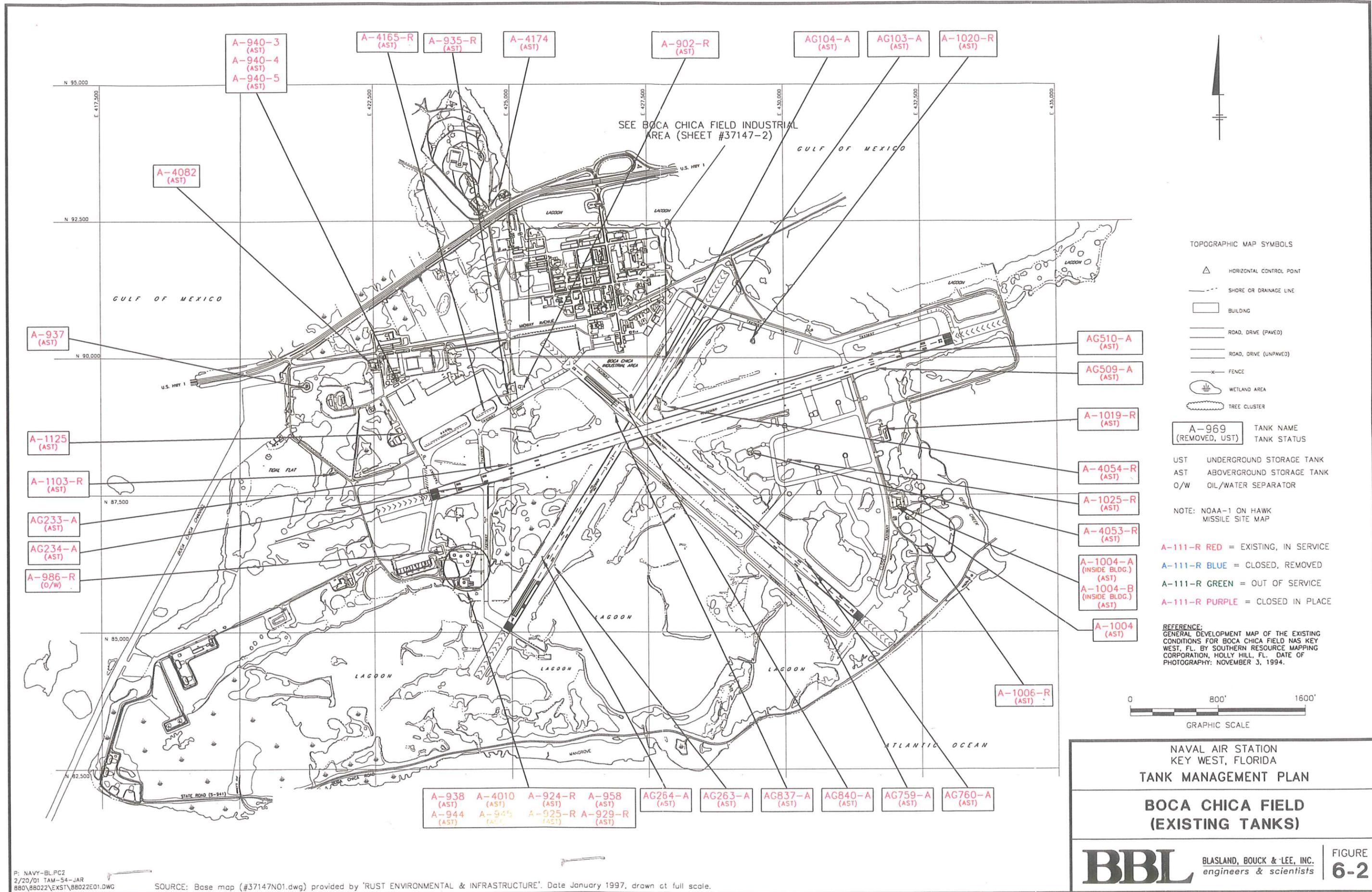
BOCA CHICA FIELD

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-1

P: STD-PC2\BL
2/20/01 TAM-54-JAP
880\88022\88022801.DWG

SOURCE: Base map (#37147N01.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale.



TOPOGRAPHIC MAP SYMBOLS

- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER

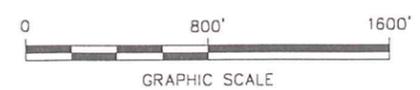
A-969 TANK NAME
(REMOVED, UST) TANK STATUS

- UST UNDERGROUND STORAGE TANK
- AST ABOVEGROUND STORAGE TANK
- O/W OIL/WATER SEPARATOR

NOTE: NOAA-1 ON HAWK MISSILE SITE MAP

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:
GENERAL DEVELOPMENT MAP OF THE EXISTING CONDITIONS FOR BOCA CHICA FIELD NAS KEY WEST, FL. BY SOUTHERN RESOURCE MAPPING CORPORATION, HOLLY HILL, FL. DATE OF PHOTOGRAPHY: NOVEMBER 3, 1994.



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

BOCA CHICA FIELD
(EXISTING TANKS)



A-648-R (AST)
 A-649-R (AST)
 A-639-R (AST)
 A-638-R (AST)
 A-4011-R (AST)
 A-4173 (AST)
 A-322-E (AST)
 A-322-F (AST)
 A-322-G (AST)

A-727-R (AST)

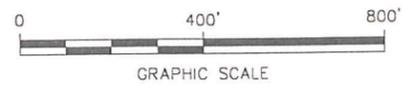
A-526-R (AST)

A-447 (AST)
 A-419-D (AST)
 A-419-E (AST)
 A-419-F (AST)
 A-419-G (AST)
 A-229-A (AST)
 A-229-B (AST)
 A-4085 (AST)
 A-244-R (AST)
 A-230-R (AST)
 A-132 (AST)

- TOPOGRAPHIC MAP SYMBOLS
- HORIZONTAL CONTROL POINT
 - SHORE OR DRAINAGE LINE
 - BUILDING
 - ROAD, DRIVE (PAVED)
 - ROAD, DRIVE (UNPAVED)
 - FENCE
 - WETLAND AREA
 - TREE CLUSTER
- A-325-1 TANK NAME
 (REMOVED, UST) TANK STATUS
- UST UNDERGROUND STORAGE TANK
 AST ABOVEGROUND STORAGE TANK

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:
 GENERAL DEVELOPMENT MAP OF THE EXISTING
 CONDITIONS FOR BOCA CHICA INDUSTRIAL AREA
 NAS KEY WEST, FL. BY SOUTHERN RESOURCE
 MAPPING CORPORATION, HOLLY HILL, FL.
 DATE OF PHOTOGRAPHY: NOVEMBER 3, 1994.



NAVAL AIR STATION
 KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

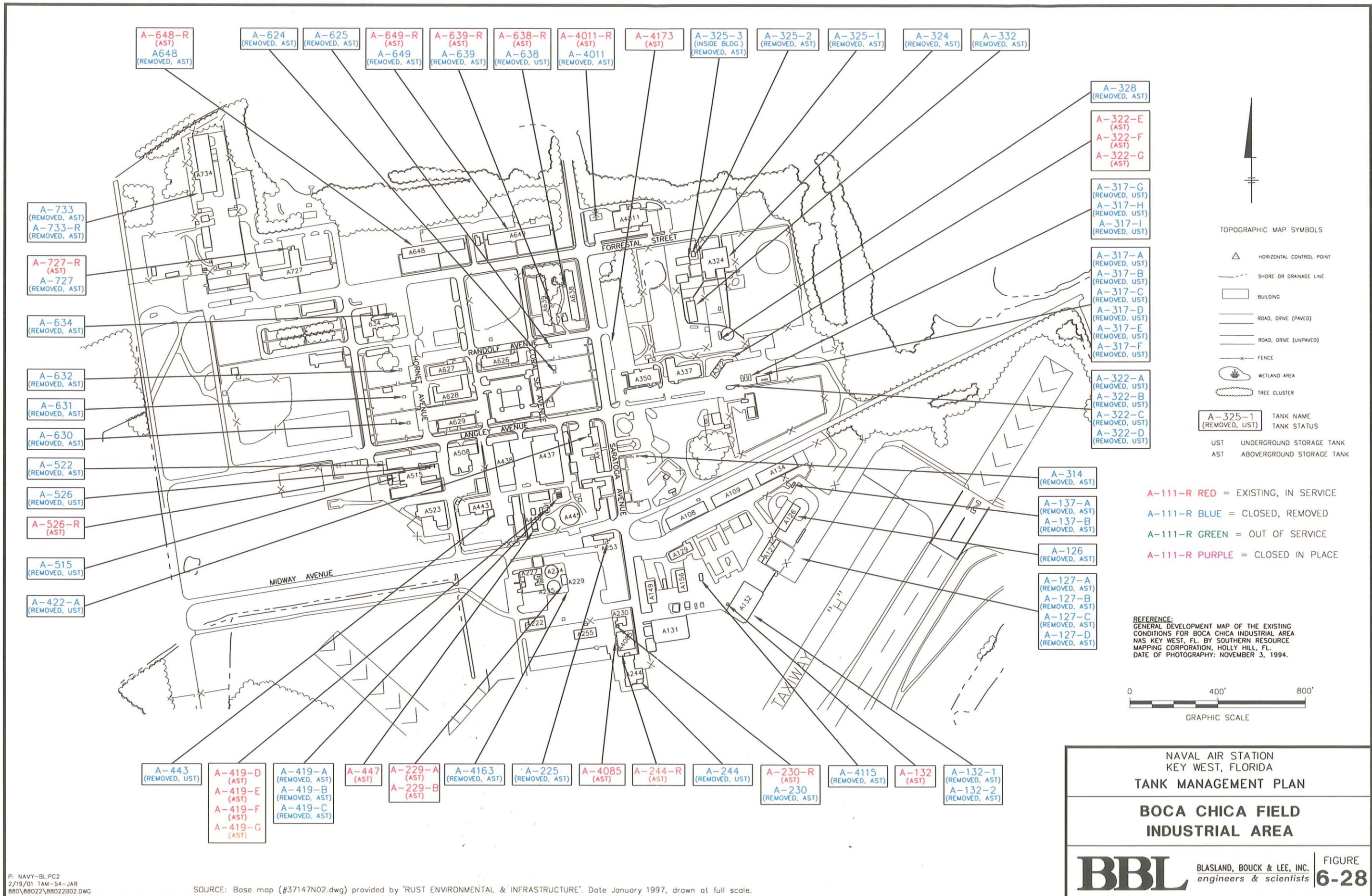
**BOCA CHICA FIELD INDUSTRIAL
 AREA (EXISTING TANKS)**

BBL BLASLAND, BOUCK & LEE, INC.
 engineers & scientists

FIGURE
6-29

6.3 Boca Chica Field Industrial Area

The Boca Chica Field Industrial Area is located at the northern section of NAS Boca Chica, south of US Highway 1. General site maps are provided as **Figures 6-28 through 6-30.**



A-648-R (AST) A648 (REMOVED, AST)
 A-624 (REMOVED, AST) A-625 (REMOVED, AST)
 A-649-R (AST) A-649 (REMOVED, AST)
 A-639-R (AST) A-639 (REMOVED, AST)
 A-638-R (AST) A-638 (REMOVED, UST)
 A-4011-R (AST) A-4011 (REMOVED, AST)
 A-4173 (AST)
 A-325-3 (INSIDE BLDG.) (REMOVED, AST)
 A-325-2 (REMOVED, AST)
 A-325-1 (REMOVED, AST)
 A-324 (REMOVED, AST)
 A-332 (REMOVED, AST)

A-328 (REMOVED, AST)
 A-322-E (AST)
 A-322-F (AST)
 A-322-G (AST)
 A-317-G (REMOVED, UST)
 A-317-H (REMOVED, UST)
 A-317-I (REMOVED, UST)
 A-317-A (REMOVED, UST)
 A-317-B (REMOVED, UST)
 A-317-C (REMOVED, UST)
 A-317-D (REMOVED, UST)
 A-317-E (REMOVED, UST)
 A-317-F (REMOVED, UST)
 A-322-A (REMOVED, UST)
 A-322-B (REMOVED, UST)
 A-322-C (REMOVED, UST)
 A-322-D (REMOVED, UST)

A-733 (REMOVED, AST)
 A-733-R (REMOVED, AST)
 A-727-R (AST)
 A-727 (REMOVED, AST)
 A-634 (REMOVED, AST)
 A-632 (REMOVED, AST)
 A-631 (REMOVED, AST)
 A-630 (REMOVED, AST)
 A-522 (REMOVED, AST)
 A-526 (REMOVED, UST)
 A-526-R (AST)
 A-515 (REMOVED, UST)
 A-422-A (REMOVED, UST)

A-314 (REMOVED, AST)
 A-137-A (REMOVED, AST)
 A-137-B (REMOVED, AST)
 A-126 (REMOVED, AST)
 A-127-A (REMOVED, AST)
 A-127-B (REMOVED, AST)
 A-127-C (REMOVED, AST)
 A-127-D (REMOVED, AST)

A-443 (REMOVED, UST)
 A-419-D (AST)
 A-419-E (AST)
 A-419-F (AST)
 A-419-G (AST)
 A-419-A (REMOVED, AST)
 A-419-B (REMOVED, AST)
 A-419-C (REMOVED, AST)
 A-447 (AST)
 A-229-A (AST)
 A-229-B (AST)
 A-4163 (REMOVED, AST)
 A-225 (REMOVED, AST)
 A-4085 (AST)
 A-244-R (AST)
 A-244 (REMOVED, UST)
 A-230-R (AST)
 A-230 (REMOVED, AST)
 A-4115 (REMOVED, AST)
 A-132 (AST)
 A-132-1 (REMOVED, AST)
 A-132-2 (REMOVED, AST)



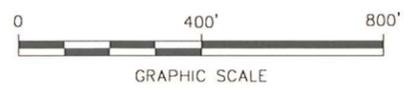
TOPOGRAPHIC MAP SYMBOLS

- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER

A-325-1 (REMOVED, UST) TANK NAME TANK STATUS
 UST UNDERGROUND STORAGE TANK
 AST ABOVEGROUND STORAGE TANK

A-111-R RED = EXISTING, IN SERVICE
 A-111-R BLUE = CLOSED, REMOVED
 A-111-R GREEN = OUT OF SERVICE
 A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:
 GENERAL DEVELOPMENT MAP OF THE EXISTING
 CONDITIONS FOR BOCA CHICA INDUSTRIAL AREA
 NAS KEY WEST, FL. BY SOUTHERN RESOURCE
 MAPPING CORPORATION, HOLLY HILL, FL.
 DATE OF PHOTOGRAPHY: NOVEMBER 3, 1994.



NAVAL AIR STATION
 KEY WEST, FLORIDA
TANK MANAGEMENT PLAN
BOCA CHICA FIELD
INDUSTRIAL AREA

BBL BLASLAND, BOUCK & LEE, INC.
 engineers & scientists

FIGURE **6-28**

6.3.1 Site A-126 – Boca Chica Building A-126

Building A-126 is located north of the northern portion of Taxiway “H”.

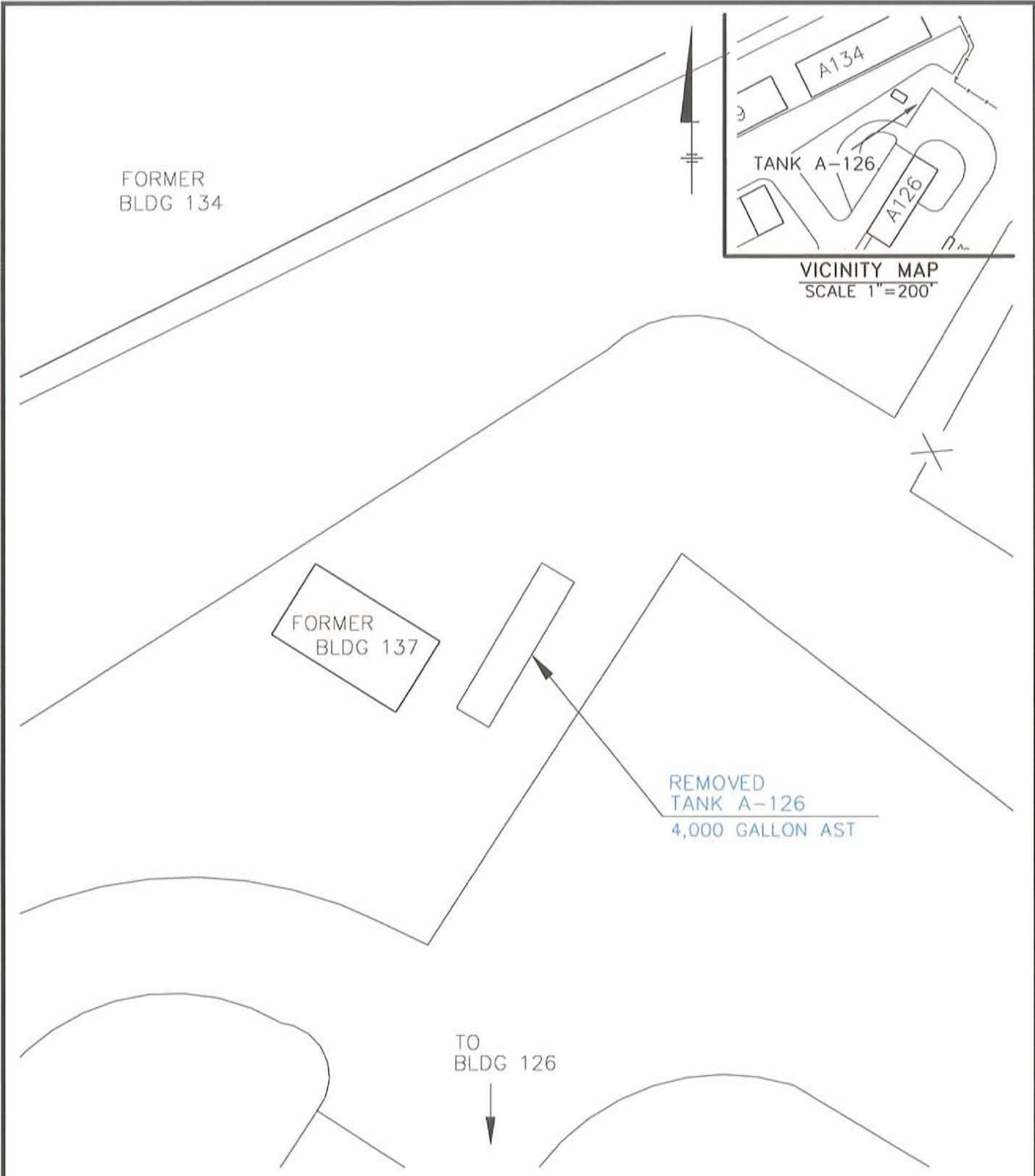
6.3.1.1 Closed Tank – A-126

Former AST A-126 was located at Building A-126 (**Figure 6-31**). The tank was a 4,000-gallon diesel fuel tank. Fuel from the tank provided fuel to power the Ground Electronics Facility emergency generator. The tank was closed by removal on April 23, 1996. The site received a NFA from FDEP on August 23, 1999.

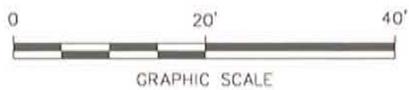
6.3.1.2 Regulatory Compliance Requirements

Closed Tank A-126

None.



NOTE: PRECISE LOCATION OF TANKS UNKNOWN.



NAVAL AIR STATION KEY WEST, FLORIDA TANK MANAGEMENT PLAN	
SITE MAP OF FORMER TANK A-126 BOCA CHICA FIELD INDUSTRIAL AREA	
BBL	BLASLAND, BOUCK & LEE, INC. <i>engineers & scientists</i>
FIGURE 6-31	

P: NAVY-AP.PC2
 2/19/01 TAM-54-JAR
 BBO\BBO22\BCIA\BBO22G28.DWG

SOURCE: Base map (#37147N03.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale.

6.3.2 Site A-127 – Boca Chica Flying Club

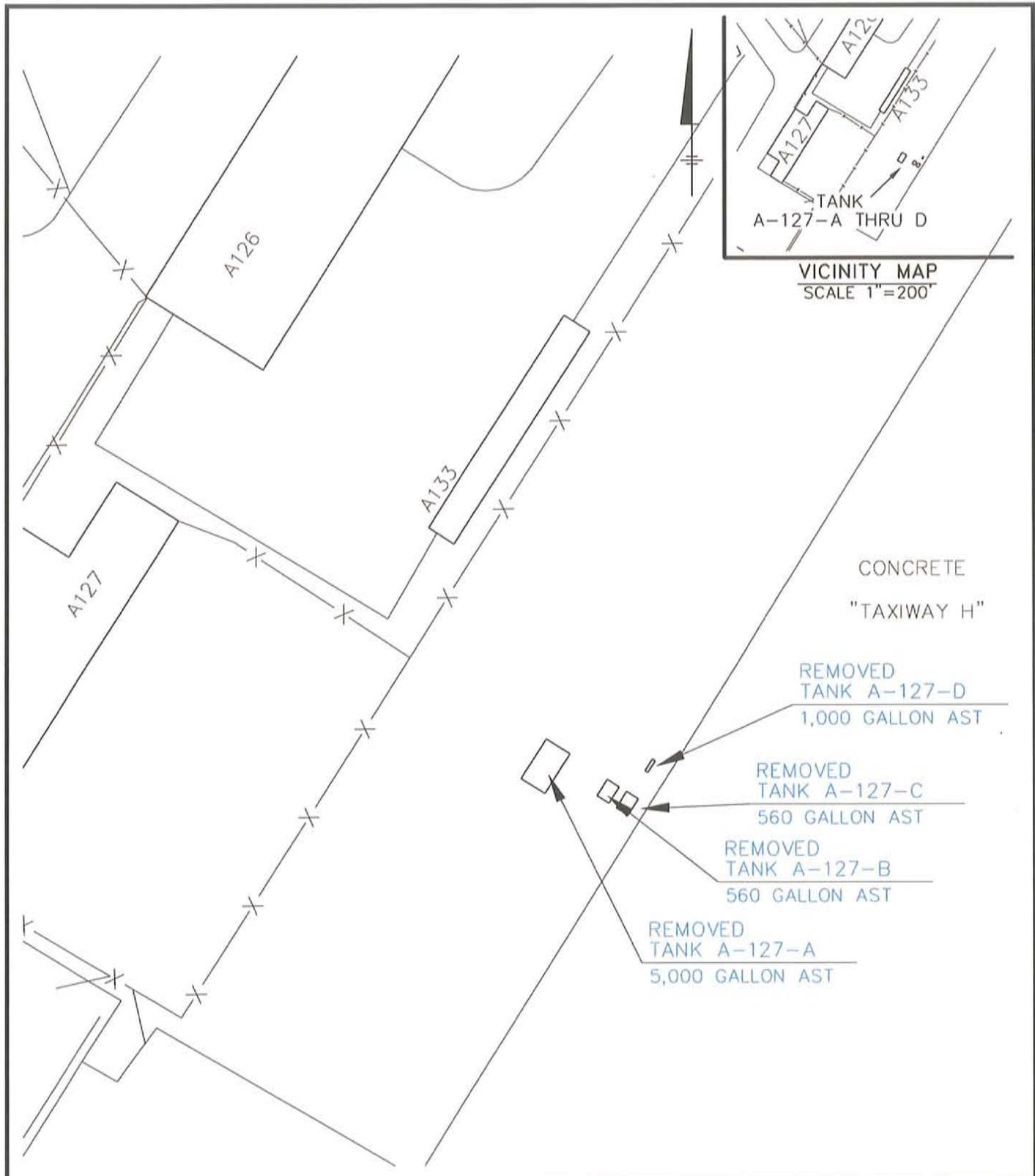
The Boca Chica Flying Club was located north of the northern portion of Taxiway “H”.

6.3.2.1 Closed Tanks – A-127-A, A-127-B, A-127-C, A-127-D

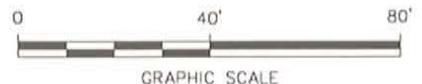
Located to the east of Buildings A-127 and A-133 were former ASTs A-127-A (5,000-gallon), A-127-B (560-gallon), A-127-C (560-gallon), and A-127-D (1,000-gallon) (Figure 6-32). The tanks contained aviation fuel when in service. The tanks were closed by removal in 1992. The site is currently under a NA monitoring plan.

6.3.2.2 Regulatory Compliance Requirements

Closed Tanks A-127-A, A-127-B, A-127-C, and A-127-D
Continue NA monitoring program.



NOTE: PRECISE LOCATION OF TANKS UNKNOWN.



NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

**SITE MAP OF FORMER TANKS
A-127-A, B, C & D
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-32

P: STD-PC2\BL
1/8/01 TAM-54-JAR
B80\B8022\BCIA\B8022G27.DWG

SOURCE: Base map (#37147N03.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale.

6.3.3 Site A-132 – Boca Chica Fire Station – A-132

The Boca Chica Fire Station Building A-132 is located north of Runway 3-21 and east of Saratoga Avenue.

6.3.3.1 Existing Tank – A-132

Tank A-132

Tank A-132 is found on the west side of the station in a 2' deep valved concrete secondary containment (**Figure 6-33**). The JP-5 fuel stored in this 300-gallon AST is used as an alternative fuel source for the fire station's emergency generator. The tank has been upgraded with secondary containment.

Tank ID A-132	
Year of Installation	1961
Size	300-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Single-walled unpainted steel on supports Concrete secondary containment
Piping	Aboveground unpainted steel Suction piping system
Leak Detection	SPCC Plan Manual gauging Visual inspection of AST systems

6.3.3.2 Closed Tanks – A-132-1, A-132-2

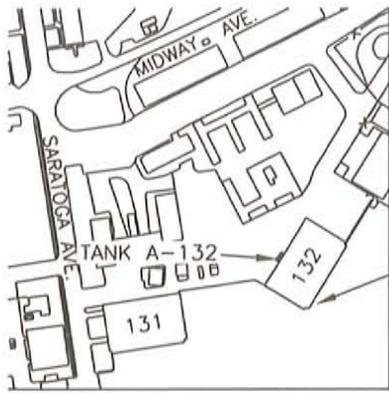
Former tanks A-132-1 (300-gallon AST) and A-132-2 (550-gallon AST) were located on the west side of the station (**Figure 6-33**). In 1992 the two tanks were closed by removal. No environmental concerns were noted during closure.

6.3.3.3 Regulatory Compliance Requirements

Tank A-132

None.

Closed Tanks A-132-1, A-132-2
None.



VICINITY MAP
SCALE: 1"=400'

APPROX. LOCATION OF FORMER
TANKS A-132-1 AND A-132-2

TANK A-132
300 GALLON AST
EMERGENCY GENERATOR
JP-5 FUEL TANK

CONTAINMENT
DRAIN

CONCRETE
SECONDARY
CONTAINMENT

CONCRETE
SLABS

ABOVE GROUND
SUPPLY/RETURN
PIPING

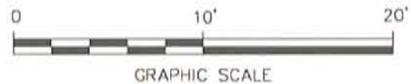
GENERATOR

BUILDING
132

NOTE: SEE INSET FOR TANKS
A-132-1 AND A-132-2.

LEGEND

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**SITE MAP OF TANK A-132 AND
FORMER TANKS A-132-1 AND A-132-2
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-33

X: OR L:
P: ST0-PC2\AP
1/8/01 TAM-54-JAR
880\88022\BCIA\88022G01.DWG

SOURCE: Base map (Sitemap\A132.dwg) provided
by "RUST ENVIRONMENTAL & INFRASTRUCTURE".
Date October 1996, drawn at full scale. Field
check by BBL.

6.3.4 Site A-137 – Boca Chica Service Station

6.3.4.1 Closed Tanks – A-137-A, A-137-B

The Boca Chica Service Station was located north of the northern portion of Taxiway “H”. Former ASTs A-137-A (10,000-gallon) and A-137-B (15,000-gallon) were located to the north of the former pump station. Both ASTs contained fuel oil for heating purposes. The ASTs were closed by removal. **Figure 6-30** shows the general location of these former tanks.

6.3.4.2 Regulatory Compliance Requirements

Closed Tanks A-137-A and A-137-B

None.

6.3.5 Site A-225 – Boca Chica Ground Electronic Shop – A-225

Building A-253 was an emergency generator building located south of the Ground Electronics Facility A-225. Building A-225 is at the southwest corner of Saratoga and Midway Avenue.

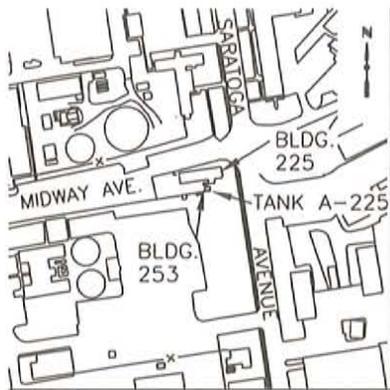
6.3.5.1 Closed Tank – A-225

Located on the south side of Building A-253 was former Tank A-225, a 60-gallon diesel fuel tank (**Figure 6-34**). Fuel from this tank was used to power the Ground Electronics Facility's emergency generator. The tank was closed by removal in 1997.

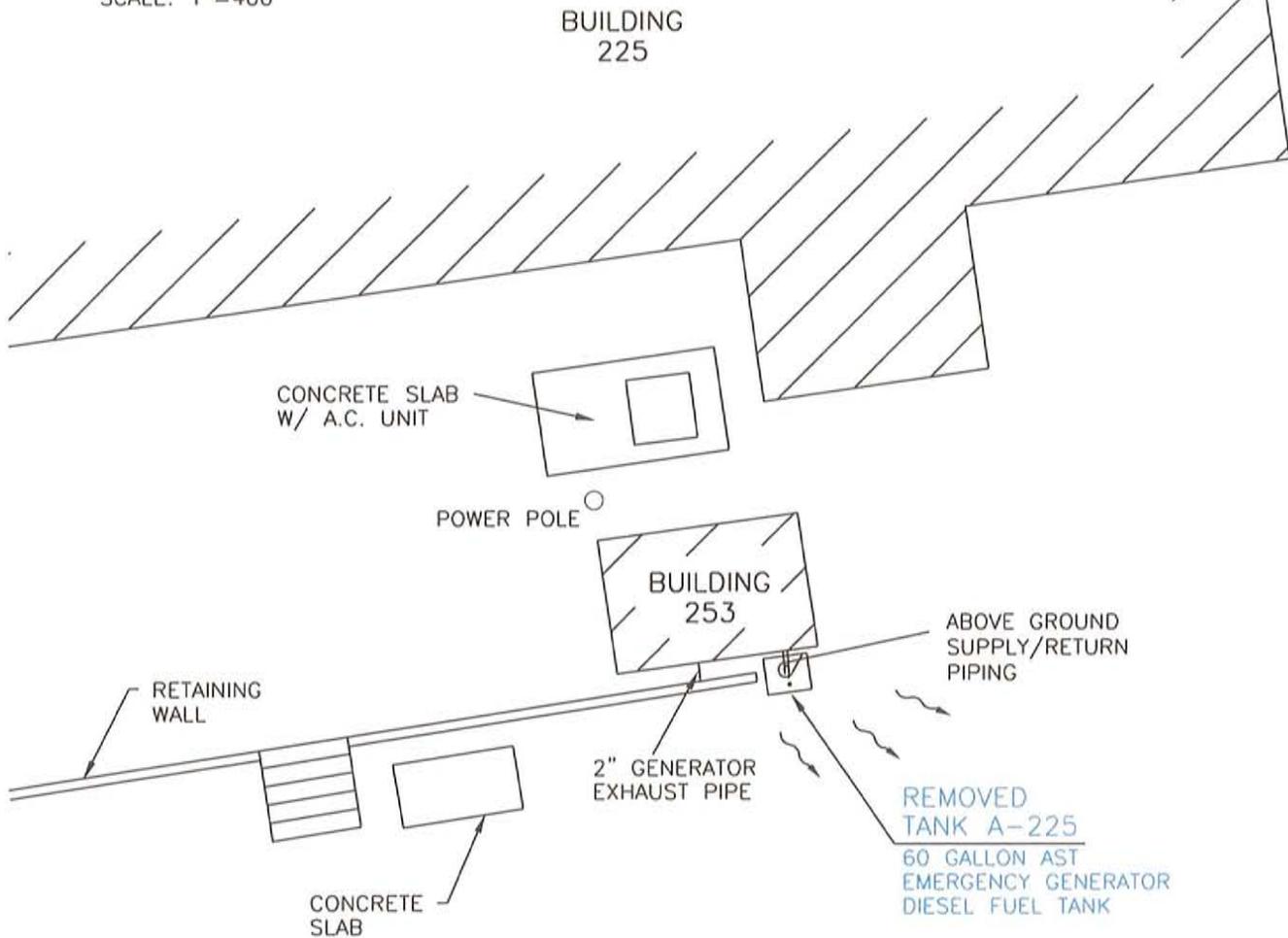
6.3.5.2 Regulatory Compliance Requirements

Closed Tank A-225

None.

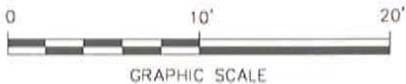


VICINITY MAP
SCALE: 1"=400'



LEGEND

~ ~ ~
APPROXIMATE DIRECTION
OF SURFACE WATER FLOW



GRAPHIC SCALE

NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**SITE MAP OF FORMER TANK A-225
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-34

X: GR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
B80\B8022\BCIA\B8022G02.DWG

SOURCE: Base map (Sitemap\A225.dwg) provided
by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.
Date October 1996, drawn at full scale. Field
check by BBL.

6.3.6 Site A-229 – Boca Chica Sprinkler System Pump House – A-229

Building A-229 is a Sprinkler System Pump House located west of Saratoga Avenue and south of Midway Avenue.

6.3.6.1 Existing Tanks – A-229-A, A-229-B

Tanks A-229-A and A-229-B contain JP-5 used to power water pumps inside Building A-229 during electrical outages. The two 200-gallon ASTs are found on the west side of the pump station (**Figure 6-35**). Secondary containment was provided at this site in 1997.

Tank A-229-A

Tank ID A-229-A	
Year of Installation	1978, Upgraded in 1997
Size	200-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Single-walled painted steel on supports
Piping	Aboveground unpainted steel Suction piping system
Leak Detection	SPCC Plan Manual gauging Visual inspection of AST systems

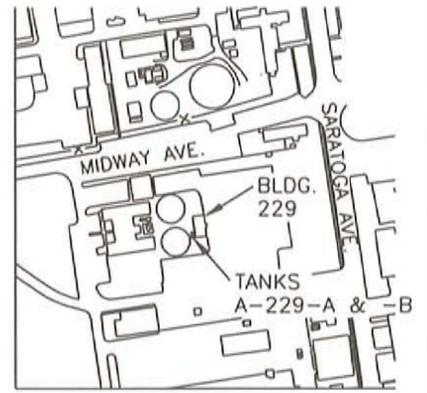
Tank A-229-B

Tank ID A-229-B	
Year of Installation	1978, Upgraded in 1997
Size	200-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Single-walled painted steel on supports Manual gauging
Piping	Aboveground unpainted steel Suction piping system
Leak Detection	SPCC Plan Visual inspection of AST systems

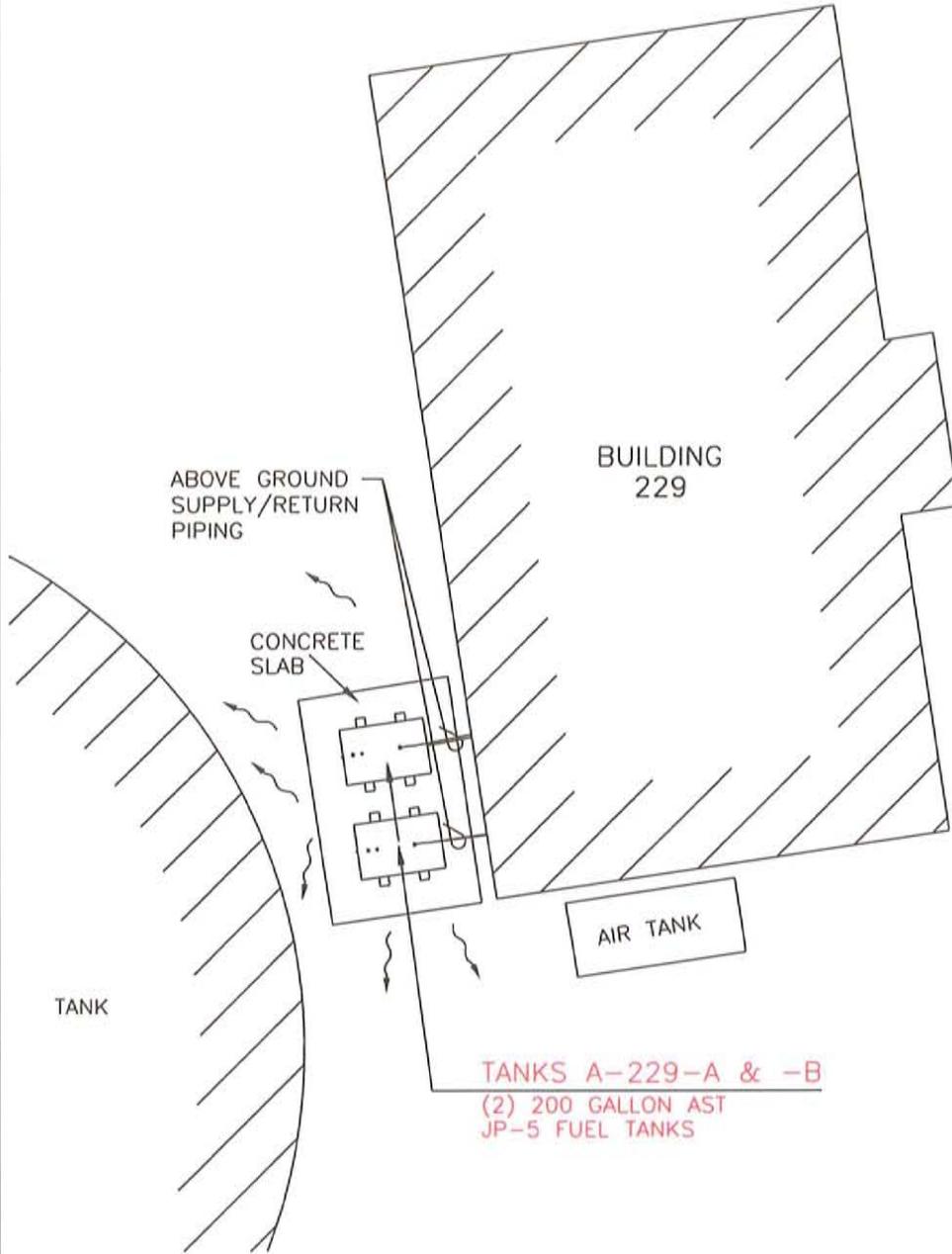
6.3.6.2 Regulatory Compliance Requirements

Tanks A-229-A and A-229-B

None.

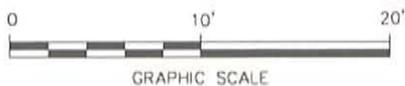


VICINITY MAP
SCALE: 1"=400'



LEGEND

APPROXIMATE DIRECTION OF SURFACE WATER FLOW



SOURCE: Base map (Sitemap\A229.dwg) provided by "RUST ENVIRONMENTAL & INFRASTRUCTURE", Date October 1996, drawn at full scale. Field check by BBL.

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
B80\88022\BCIA\88022G03.DWG

NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**SITE MAP OF TANKS A-229-A & -B
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-35

6.3.7 Site A-230 – Boca Chica Electrical Distribution Center - Building A-230

The Electrical Distribution Center A-230 is located north of Runway 3-21 and west of Saratoga Avenue.

6.3.7.1 Existing Tank – A-230-R

Vaulted Tank A-230-R is located south of Building A-230 within a 2'-4" deep valved concrete secondary containment (**Figure 6-36**). JP-5 stored in this 2,000-gallon AST supplies fuel to an emergency generator in Building A-230. This AST replaced Tank A-230 in 1999.

Tank A-230-R

Tank ID A-230-R	
Year of Installation	1999
Size	2,000-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Regulated; FAC 62-761
Status	In-Service
Tank Construction	Vaulted Double-walled Spill containment bucket
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST system

6.3.7.2 Closed Tank – A-230

Former tank A-230 was located south of Building A-230 within a 2'-4" deep valved concrete secondary containment (**Figure 6-36**). JP-5 stored in this 2,000-gallon AST supplied fuel to two emergency generators, one in building A-230 and one west of building A-4085. In 1999, the tank was closed by removal and replaced by tank A-230-R.

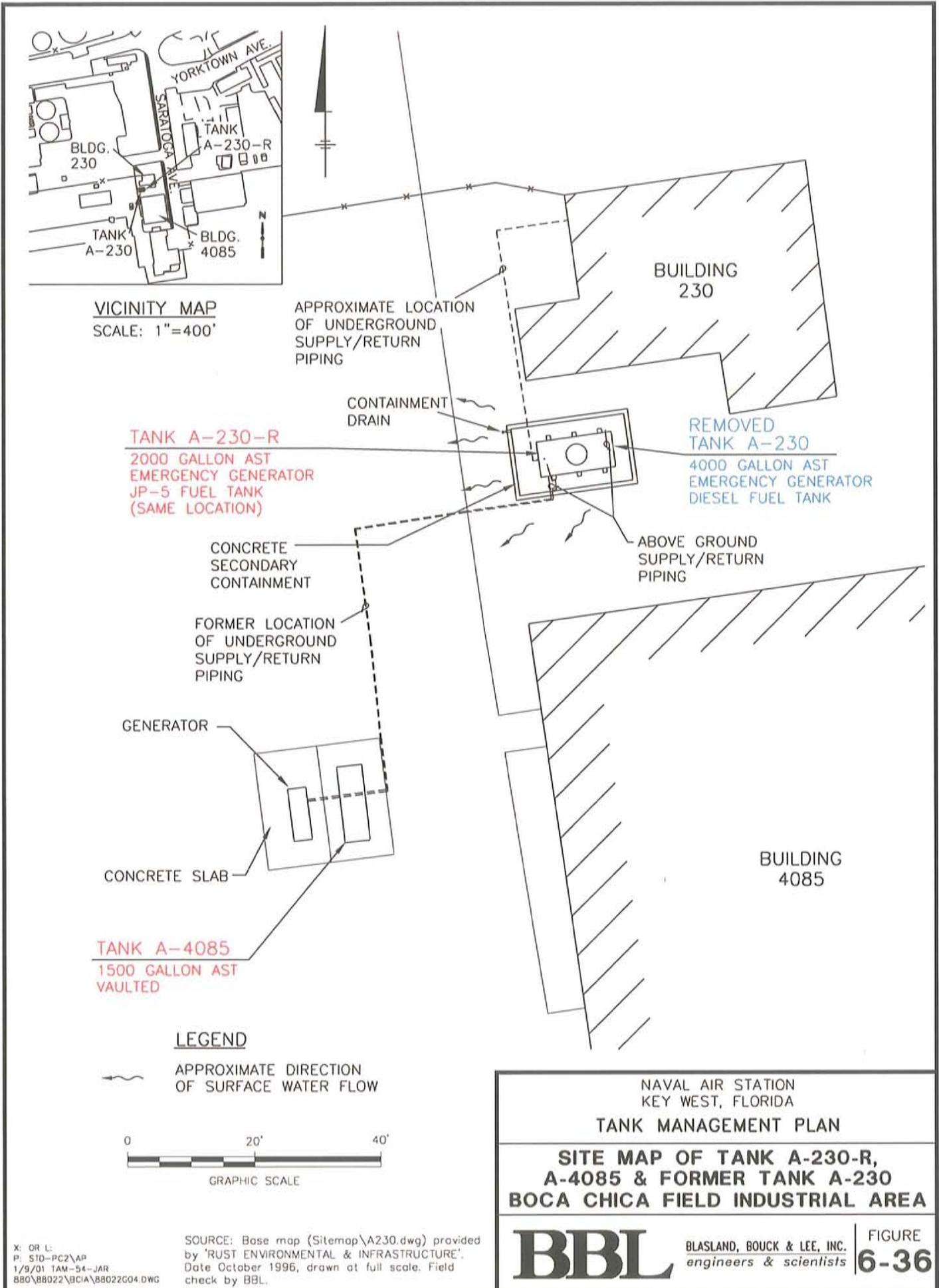
6.3.7.3 Regulatory Compliance Requirements

Tank A-230-R

Install anti-siphon valve on all aboveground piping routed outside secondary containment.
Remove vegetation from within compound; secure fill ports with locks.

Closed Tank A-230

None.



VICINITY MAP
SCALE: 1"=400'

APPROXIMATE LOCATION
OF UNDERGROUND
SUPPLY/RETURN
PIPING

TANK A-230-R
2000 GALLON AST
EMERGENCY GENERATOR
JP-5 FUEL TANK
(SAME LOCATION)

REMOVED
TANK A-230
4000 GALLON AST
EMERGENCY GENERATOR
DIESEL FUEL TANK

CONTAINMENT
DRAIN

ABOVE GROUND
SUPPLY/RETURN
PIPING

CONCRETE
SECONDARY
CONTAINMENT

FORMER LOCATION
OF UNDERGROUND
SUPPLY/RETURN
PIPING

GENERATOR

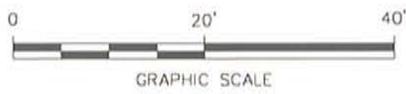
CONCRETE SLAB

BUILDING
4085

TANK A-4085
1500 GALLON AST
VAULTED

LEGEND

~ ~ ~ ~ ~ APPROXIMATE DIRECTION
OF SURFACE WATER FLOW



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**SITE MAP OF TANK A-230-R,
A-4085 & FORMER TANK A-230
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL *BLASLAND, BOUCK & LEE, INC.* **FIGURE**
engineers & scientists **6-36**

X: OR L:
P: 510-PC2\AP
1/9/01 TAM-54-JAR
880\B8022\BCIA\B8022G04.DWG

SOURCE: Base map (Sitemap\A230.dwg) provided
by "RUST ENVIRONMENTAL & INFRASTRUCTURE".
Date October 1996, drawn at full scale. Field
check by BBL.

6.3.8 Site A-244 – Boca Chica Airfield Control Tower – A-244

Building A-244, the Airfield Control Tower, is located north of Runway 3-21 and at the south end of Saratoga Avenue.

6.3.8.1 Existing Tank – A-244-R

Located north of Building A-244 and east of Building A-4085 is Tank A-244-R (**Figure 6-37**). This tank is a 500-gallon AST containing JP-5. Tank A-244-R provides fuel to the tower's emergency generator during electrical outages. This tank replaced Tank A-244 in 1996.

Tank A-244-R

Tank ID A-244-R	
Year of Installation	1996
Size	500-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Vaulted Double-walled Tank built on supports
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.3.8.2 Closed Tank – A-244

Located south of Building A-244 was former Tank A-244 (**Figure 6-37**). The tank was a 1,000-gallon UST used to store fuel oil. In September 1995, the tank was closed by removal. FDEP issued a NFA in August 1998. The tank was replaced by Tank A-244-R.

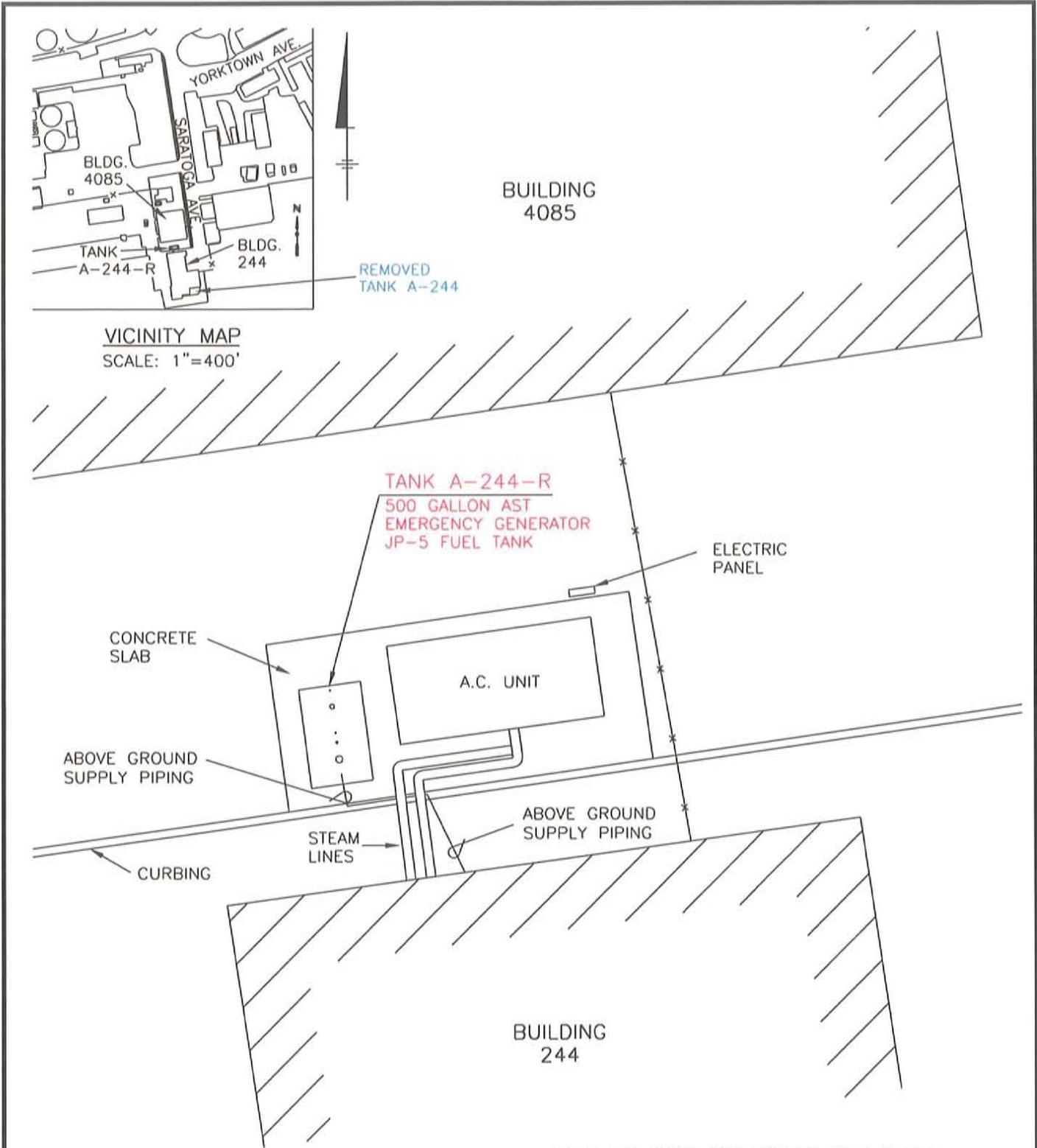
6.3.8.3 Regulatory Compliance Requirements

Tank A-244-R

None.

Closed Tank A-244

None.

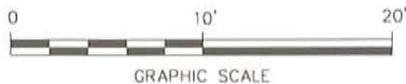


VICINITY MAP
SCALE: 1"=400'

NOTE: SEE INSET FOR FORMER TANK A-244.

LEGEND

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE



SOURCE: Base map (Sitemap\A244.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

X: CR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
B80\B8022\BCIA\B8022G05.DWG

NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

**SITE MAP OF TANK A-244-R
AND FORMER TANK A-244
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-37

6.3.9 Site A-314 – Boca Chica Navy Supply Building - A314

The Navy Supply Building A-314 is located on the northeast corner of Saratoga and Midway Avenue.

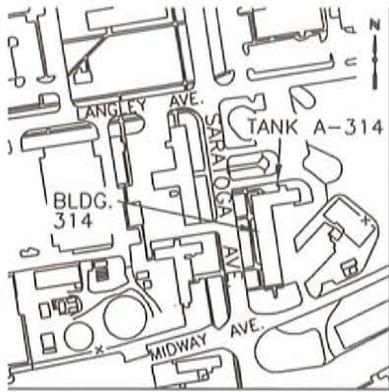
6.3.9.1 Closed Tank – A-314

Former Tank A-314 was a 300-gallon AST, found on the north side of the facility (**Figure 6-38**). Jet fuel (JP-5) was stored in this tank and used as an alternate power source for the Building A-314 emergency generator during power loss. No secondary containment existed at this site. The tank was closed by removal.

6.3.9.2 Regulatory Compliance Requirements

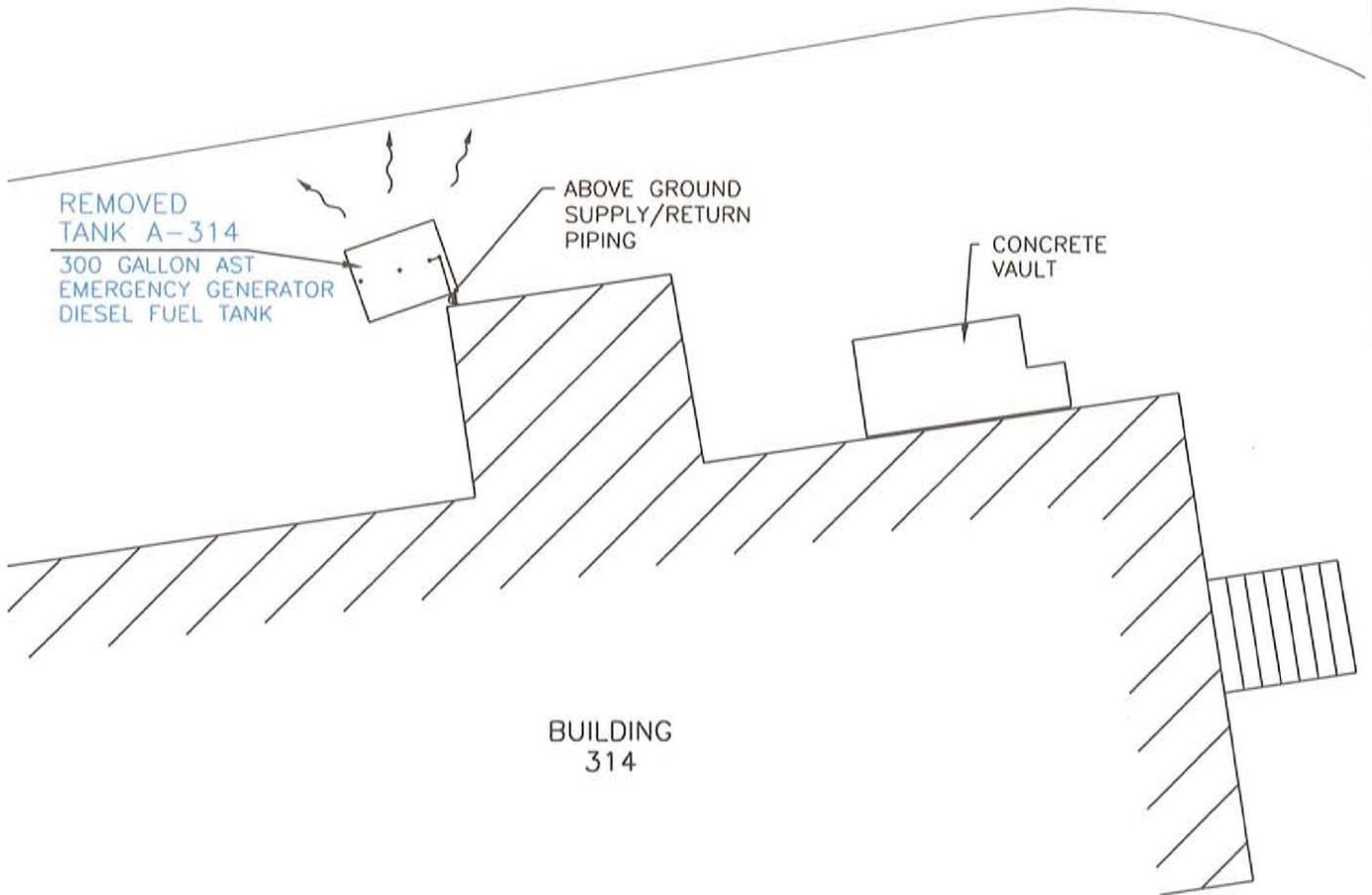
Closed Tank A-314

None.



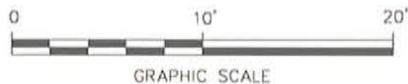
VICINITY MAP
SCALE: 1"=400'

PARKING



LEGEND

~ ~ ~ ~ ~
APPROXIMATE DIRECTION
OF SURFACE WATER FLOW



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

SITE MAP OF FORMER TANK A-314
BOCA CHICA FIELD INDUSTRIAL AREA

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
880\B8022\BCIA\B8022C06.DWG

SOURCE: Base map (Sitemap\A314.dwg) provided
by "RUST ENVIRONMENTAL & INFRASTRUCTURE".
Date October 1996, drawn at full scale. Field
check by BBL.

BBL *BLASLAND, BOUCK & LEE, INC.*
engineers & scientists **FIGURE 6-38**

6.3.10 Site A-317 – Boca Chica Motor Pool – A-317

Building A-317 is the Boca Chica Motor Pool and is located on Langley Avenue south of the Navy Exchange Building A-322.

6.3.10.1 Closed Tanks – A-317-A, A-317-B, A-317-C, A-317-D, A-317-E, A-317-F, A-317-G, A-317-H, A-317-I

Former Tanks A-317-A, A-317-B, A-317-C, A-317-D, A-317-E, and A-317-F were 2,000-gallon leaded gasoline USTs. These tanks were closed by removal in 1992. Former Tank A-317-G was a 6,000-gallon vehicular diesel fuel UST and former Tanks A-317-H and A-317-I were 6,000-gallon USTs containing vehicular gasoline. Fuels from these tanks were used to refuel military vehicles and active and retired personnel vehicles. These tanks were closed by removal on April 6, 1999. Currently, the site is under assessment. The former tanks are graphically presented on **Figure 6-39**.

6.3.10.2 Regulatory Compliance Requirements

Closed Tanks A-317-A, A-317-B, A-317-C, A-317-D, A-317-E, A-317-F, A-317-G, A317-H, and A317-I
Continue site assessment activities.

REMOVED
TANK A-317-A
2,000 GALLON AST

REMOVED
TANK A-317-B
2,000 GALLON AST

REMOVED
TANK A-317-I
6000 GALLON UST
VEHICULAR JP-5
FUEL TANK

REMOVED
TANK A-317-H
6000 GALLON UST
UNLEADED GASOLINE
FUEL TANK

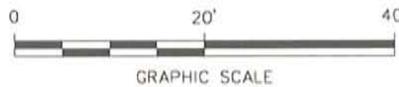
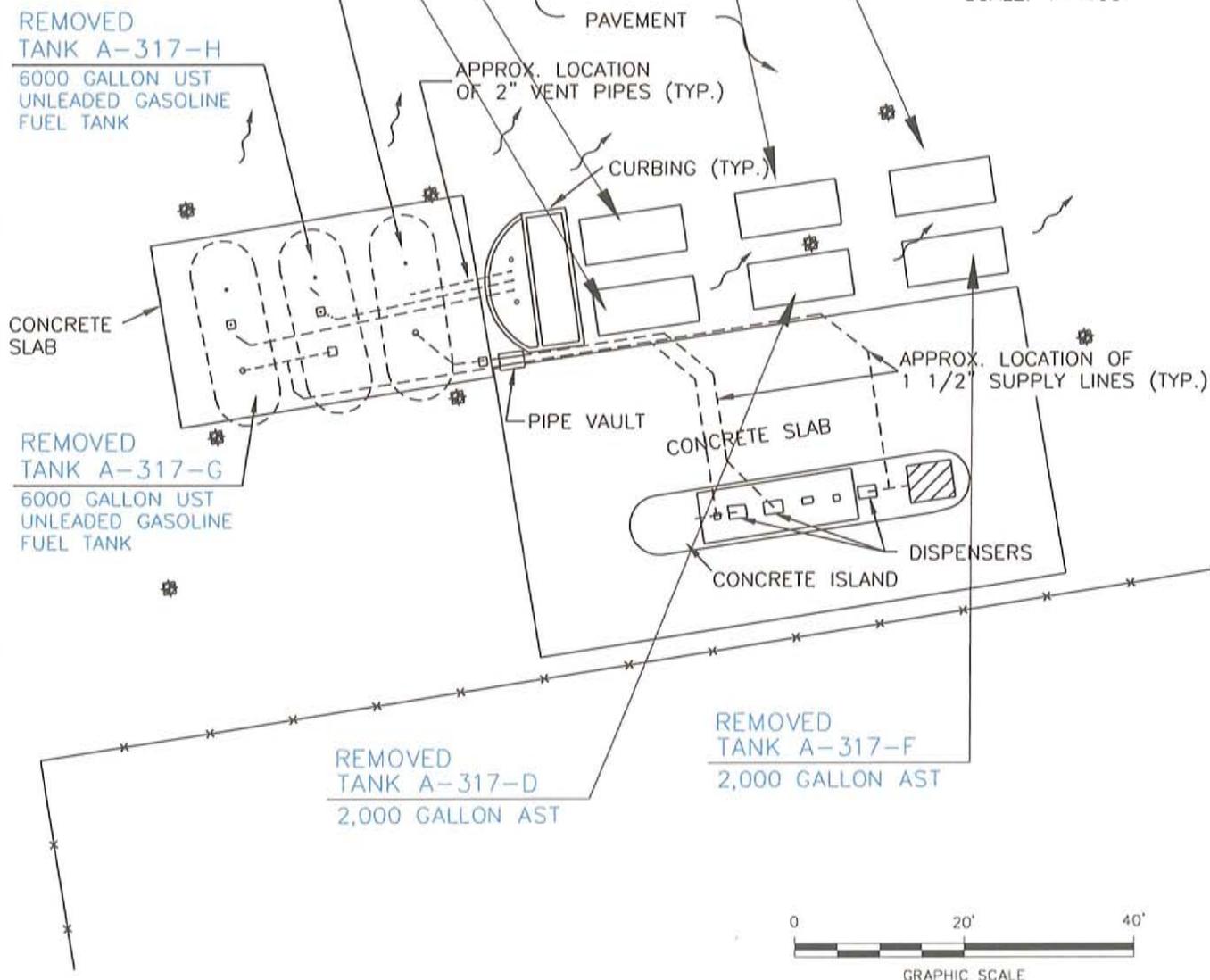
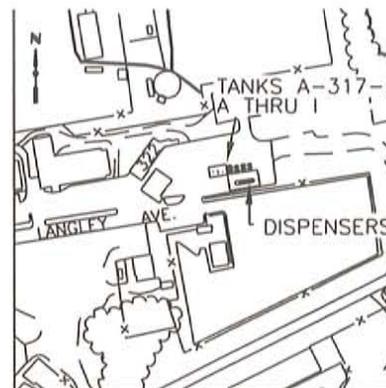
REMOVED
TANK A-317-G
6000 GALLON UST
UNLEADED GASOLINE
FUEL TANK

REMOVED
TANK A-317-E
2,000 GALLON AST

REMOVED
TANK A-317-C
2,000 GALLON AST

REMOVED
TANK A-317-D
2,000 GALLON AST

REMOVED
TANK A-317-F
2,000 GALLON AST



LEGEND

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE
- MONITORING WELL

SOURCE: Base map (Sitemap\A317.dwg) provided by "RUST ENVIRONMENTAL & INFRASTRUCTURE", Date October 1996, drawn at full scale. Field check by BBL.

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
B80\B8022\BCIA\B8022G07.DWG

NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

**SITE MAP OF FORMER TANKS
A-317-A THRU I
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists **FIGURE
6-39**

6.3.11 Site A-322 – Boca Chica Service Station

The Boca Chica Service Station is located on the north side of Langley Avenue east of Saratoga Avenue.

6.3.11.1 Existing Tanks – A-322-E, A-322-F, A-322-G

The site includes three vaulted ASTs, A-322-E (10,000-gallon unleaded gasoline), A-322-F (6,000-gallon unleaded gasoline), and A-322-G (6,000-gallon diesel fuel), located northeast of Building A-322 (Figure 6-40). The service station is used to fuel military and private personnel vehicles. The tanks were installed in 1999.

Tank A-322-E

Tank ID A-322-E	
Year of Installation	1999
Size	10,000-gallons
Contents	Unleaded Gasoline
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Regulated; FAC 62-761
Status	In-Service
Tank Construction	Vaulted Double-walled Spill containment bucket Level gauges, high-level alarms
Piping	Double-walled Suction piping system
Leak Detection	Interstitial space of double-walled tank and piping SPCC Plan Visual inspection of AST systems High level alarms

Tank A-322-F

Tank ID A-322-F	
Year of Installation	1999
Size	6,000-gallons
Contents	Unleaded Gasoline
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Regulated; FAC 62-761
Status	In-Service
Tank Construction	Vaulted Double-walled Spill containment bucket Level gauges, high level alarms
Piping	Double-walled Suction piping system
Leak Detection	Interstitial space of double-walled tank and piping SPCC Plan Visual inspection of AST systems High level alarms

Tank A-322-G

Tank ID A-322-G	
Year of Installation	1999
Size	6,000-gallons
Contents	Unleaded Gasoline
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Regulated; FAC 62-761
Status	In-Service
Tank Construction	Vaulted Double-walled Spill containment bucket Level gauges, high level alarms
Piping	Double-walled Suction piping system
Leak Detection	Interstitial space of double-walled tank and piping SPCC Plan Visual inspection of AST systems High level alarms

6.3.11.2 Closed Tanks – A-322-A, A-322-B, A-322-C, A-322-D

Formerly located at the site were four USTs, A-322-A (10,000-gallon unleaded gasoline), A-322-B (6,000-gallon leaded gasoline), and A-322-C (6,000-gallon unleaded gasoline), located southeast of Building A-322, and A-322-D (4,000-gallon waste oil), located northwest of Building A-322 (**Figure 6-40**). The service station is currently being used to fuel military and private personnel vehicles with new ASTs. These tanks were closed by removal on August 10-12, 1995. The site is under a NA monitoring plan.

6.3.11.3 Regulatory Compliance Requirements

Tanks A-322-E, A-322-F, and A-322-G

None.

Closed Tanks A-322-A, A-322-B, A-322-C, and A-322-D

Continue NA monitoring program.

6.3.12 Site A-324 – Boca Chica Building A-324

Building A-324 is located at the eastern end of Forrestal Street to the south.

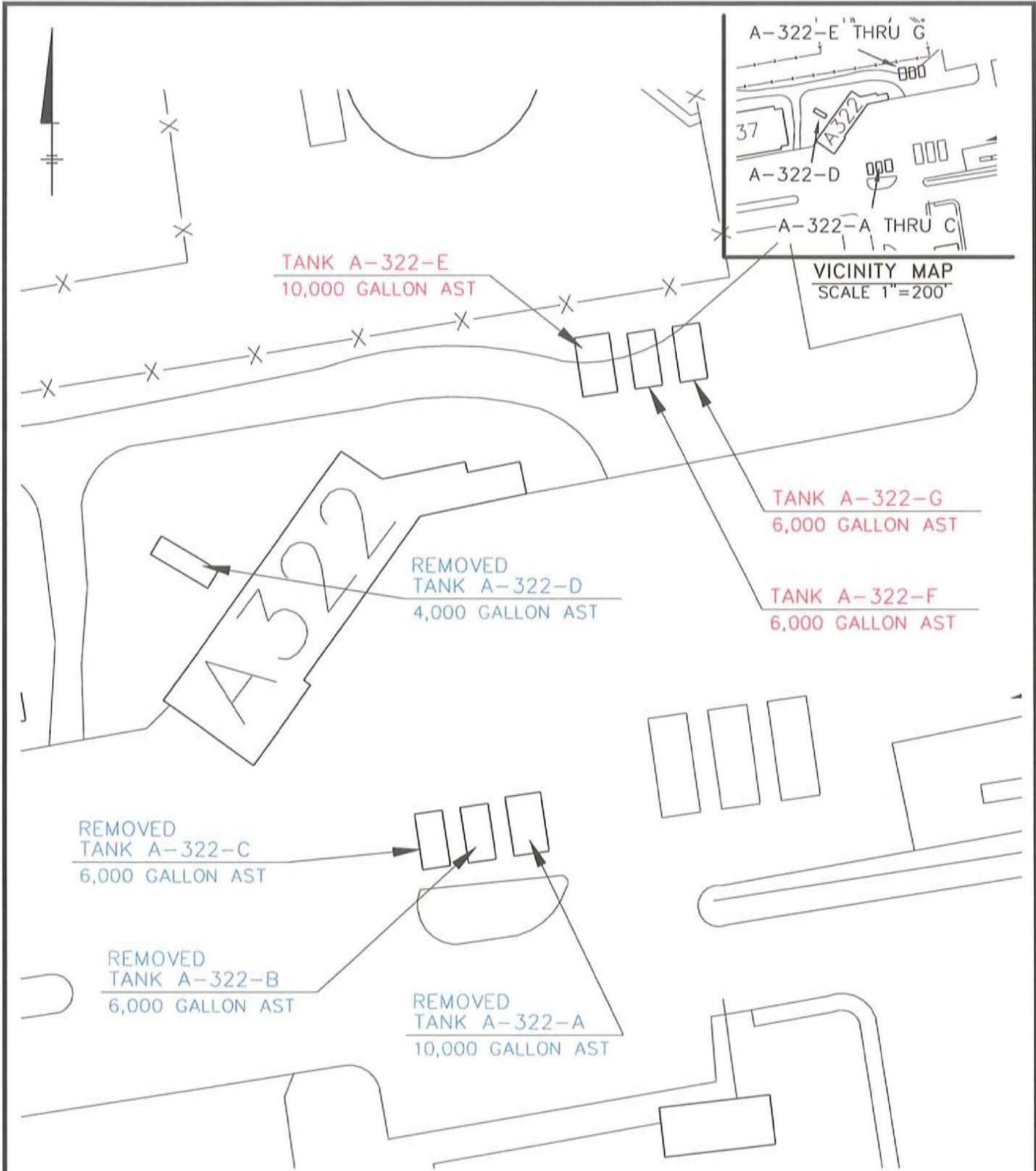
6.3.12.1 Closed Tank – A-324

Former tank A-324 was adjacent to Building A-324, to the east. This AST was a temporary tank closed by removal. No additional information is known about this tank.

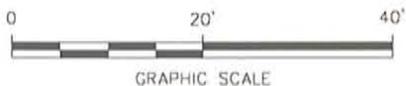
6.3.12.2 Regulatory Compliance Requirements

Closed Tank A-324

None.



NOTE: PRECISE LOCATION OF TANKS UNKNOWN.



NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

**SITE MAP OF TANKS A-322-E, F, & G
AND FORMER TANKS A-322-A THRU D
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-40

6.3.13 Site A-325 – Boca Chica CARIBROC – A-325

Building A-325, the CARIBROC facility, is located on Forrestal Street east of Saratoga Avenue.

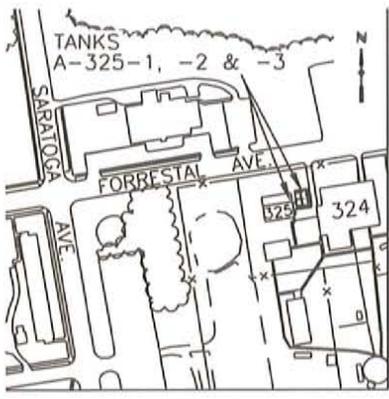
6.3.13.1 Closed Tanks – A-325-1, A-325-2, A-325-3

Three ASTs were located adjacent to this building (**Figure 6-41**). Tank A-325-1 was an 18,000-gallon AST containing jet fuel (JP-5). Fuel from this tank fed former tank A-325-3, a 250-gallon jet fuel (JP-5) AST, located inside Building A-325. Tank A-325-3 in turn supplied the facility's emergency generators during power loss. A 5' deep valved concrete impoundment provided secondary containment for Tank A-325-1. Due to tank A-325-3 being supported from the ceiling of Building A-325, no secondary containment had existed. Tank A-325-2 was a 6,000-gallon fuel oil AST located within secondary containment. Tanks A-325-1 and A-325-3 were closed by removal in 1998. Tank A-325-2 was closed by removal on April 23, 1996. The Closure Reports indicated no environmental concerns.

6.3.13.2 Regulatory Compliance Requirements

Closed Tanks A-325-1, A-325-2, A-325-3

None.



VICINITY MAP
SCALE: 1"=400'

REMOVED
TANK A-325-2
6000 GALLON AST
EMERGENCY GENERATOR
DIESEL FUEL TANK

2" TANK
DRAIN

REMOVED
TANK A-325-1
18,000 GALLON AST
EMERGENCY GENERATOR
DIESEL FUEL TANK

CONTAINMENT
DRAIN

REMOVED
TANK A-325-3
250 GALLON AST
EMERGENCY GENERATOR
DIESEL FUEL TANK

CONCRETE
SADDLE FOR
REMOVED TANK
(TYP.)

CONCRETE
SECONDARY
CONTAINMENT

PLATFORM

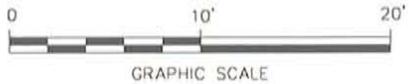
ABOVE GROUND
SUPPLY/RETURN
PIPING (TYP.)

BUILDING
325

BUILDING
324

LEGEND

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE



GRAPHIC SCALE

NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN
SITE MAP OF FORMER TANKS
A-325-1, A-325-2 & A-325-3
BOCA CHICA FIELD INDUSTRIAL AREA

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-34-JAR
880\88022\BCIA\88022C08.DWG

SOURCE: Base map (Sitemap\A325.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE', Date October 1996, drawn at full scale. Field check by BBL.

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-41

6.3.14 Site A-328 – Boca Chica Federal Aviation Administration Radar Facility – A-328

The Radar Facility, found in Building A-338, is located east of Saratoga Avenue and south of Building A-325.

6.3.14.1 Closed Tank – A-328

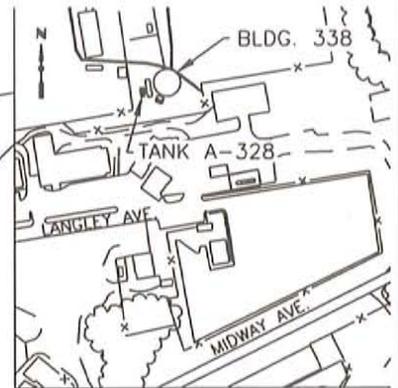
Former Tank A-328 was located to the west of the Radar Facility (**Figure 6-42**). This 1,000-gallon jet fuel (JP-5) tank was located in a 4-foot deep valved concrete secondary containment. Fuel from Tank A-328 was used to operate the facility's emergency generator during electrical outages. The tank was closed by removal on April 13, 1998. The Closure Report indicated no environmental concerns.

6.3.14.2 Regulatory Compliance Requirements

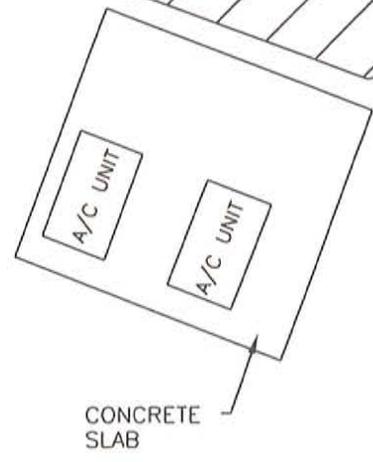
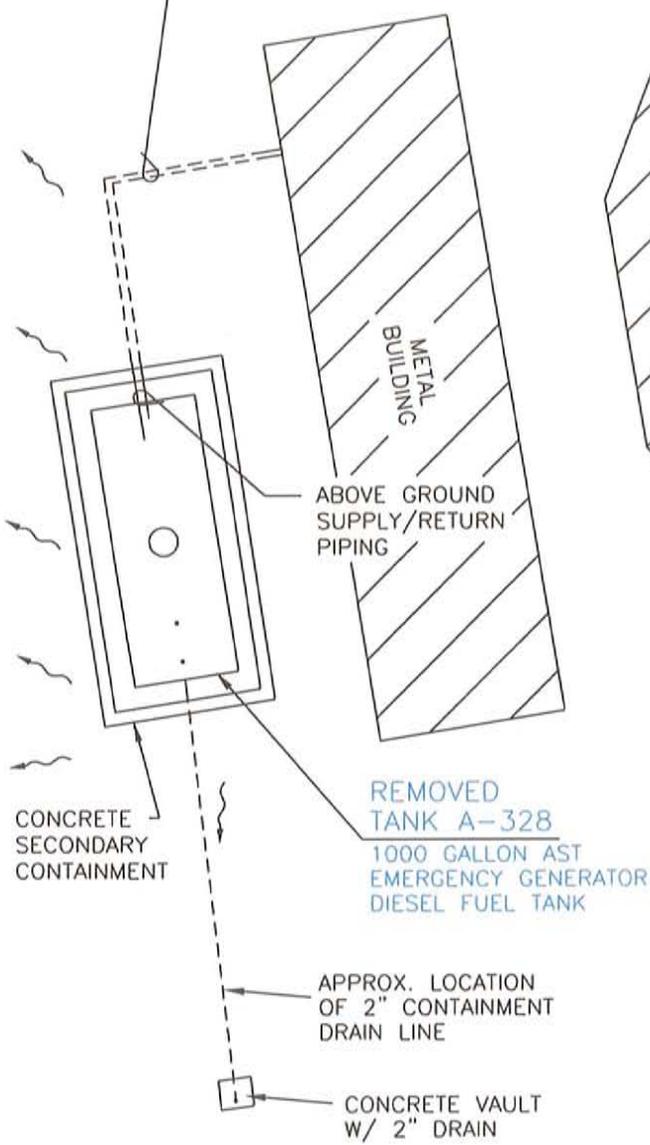
Closed Tank A-328

None.

APPROX. LOCATION OF UNDERGROUND SUPPLY/RETURN PIPING



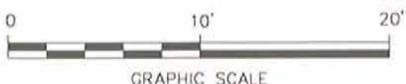
VICINITY MAP
SCALE: 1"=400'



BUILDING 338

LEGEND

APPROXIMATE DIRECTION OF SURFACE WATER FLOW



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN
SITE MAP OF FORMER TANK A-328
BOCA CHICA FIELD INDUSTRIAL AREA

X: GR LI
P: STD-PC2\AP
1/8/01 TAN-54-JAR
880\88022\BCIA\88022G09.DWG

SOURCE: Base map (Sitemap\A328.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE', Date October 1996, drawn at full scale. Field check by BBL.



BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-42

6.3.15 Site A-332 – Boca Chica Building A-332

Building A-332 was located south of Forrestal Street and southwest of Building A-324.

6.3.15.1 Closed Tank – A-332

Former tank A-332, was a 2,000-gallon AST, located east of Building A-332. Diesel was stored in this tank and used as an alternate power source for the emergency generator during power losses. The tank was closed by removal on April 19, 1996. The Closure Report indicated no environmental concerns.

6.3.15.2 Regulatory Compliance Requirements

Closed Tank A-332

None.

6.3.16 Site A-419 – Boca Chica Power Plant – A-419

6.3.16.1 Existing Tanks – A-419-D, A-419-E, A-419-F, A-419-G

Tanks A-419-D, A-419-E, A-419-F, and A-419-G are located south of Langley Avenue and west of Saratoga Avenue (**Figure 6-43**). Tanks A-419-D and A-419-E are 300-gallon ASTs. JP-5 for these tanks is received from two 5,000-gallon ASTs, Tanks A-419-F and A-419-G, which is then transferred to two emergency generators found north and south of these tanks. The tanks are vaulted and equipped with tank level gauges.

Tanks A-419-D, A-419-E

Tank ID A-419-D and A-419-E	
Year of Installation	1999
Size	300-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Vaulted Double-walled Tank built on supports
Piping	Aboveground Suction piping system
Leak Detection	SPCC Plan Interstitial space of double-walled tank Visual inspection of AST systems

Tanks A-419-F, A-419-G

Tank ID A-419-F and A-419-G	
Year of Installation	1999
Size	5,000-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Regulated; FAC 62-761
Status	In-Service
Tank Construction	Vaulted Double-walled Spill containment bucket Overfill protection – level gauges; high level alarms
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual Inspection of AST systems

6.3.16.2 Closed Tanks – A-419-A, A-419-B, A-419-C

Former tanks A-419-A, A-419-B, and A-419-C were located south of Langley Avenue and west of Saratoga Avenue (**Figure 6-44**). The tanks were 4,000-gallon JP-5 ASTs found inside a 2'-6" deep valved concrete secondary containment. Fuel from these tanks was transferred to two generator day tanks found southwest of the secondary containment. The tanks were closed by removal on April 8, 1999. A site assessment was performed and DEP issued a NFA on August 10, 2000.

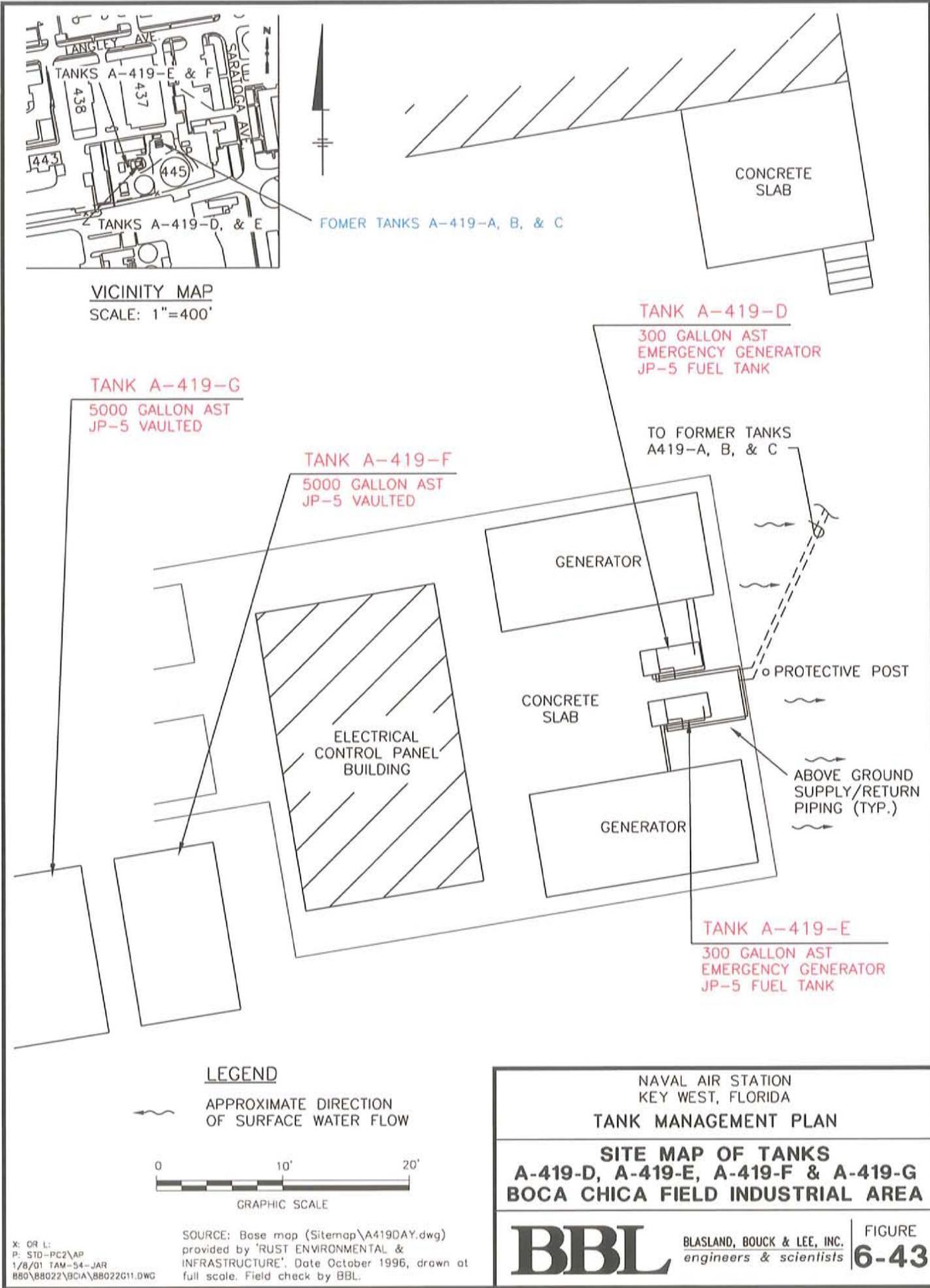
6.3.16.3 Regulatory Compliance Requirements

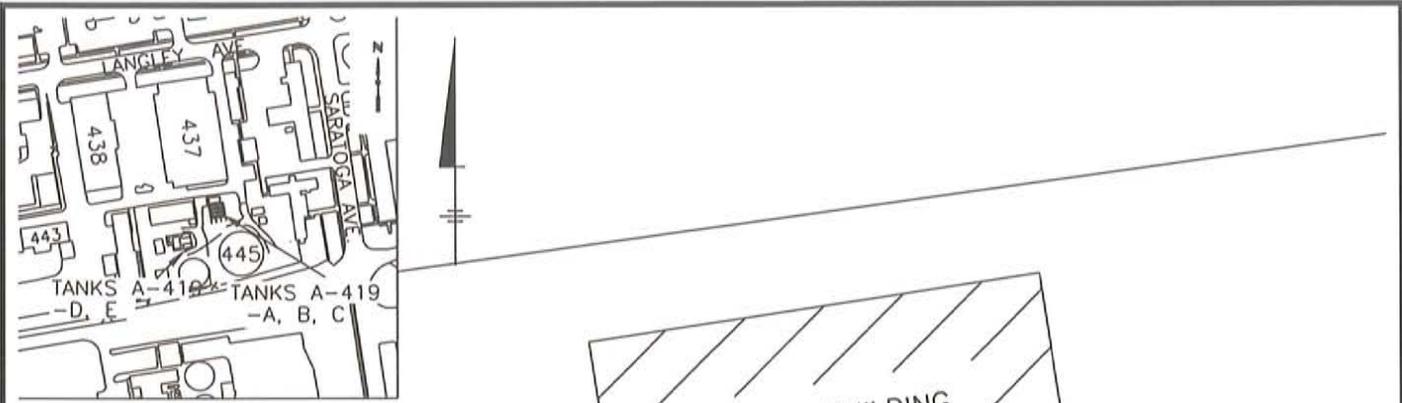
Tanks A-419-D, A-419-E, A-419-F, A-419-G

None.

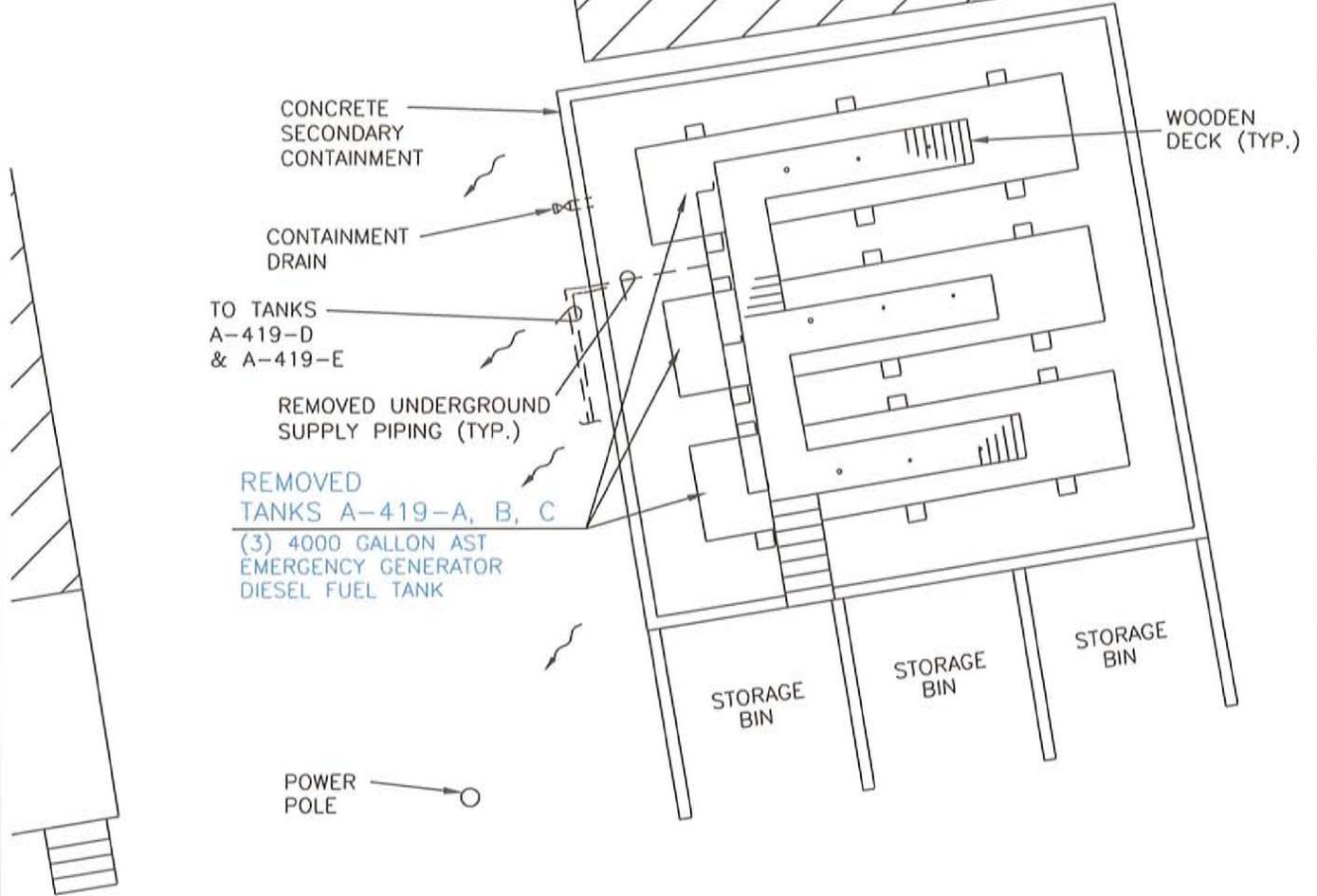
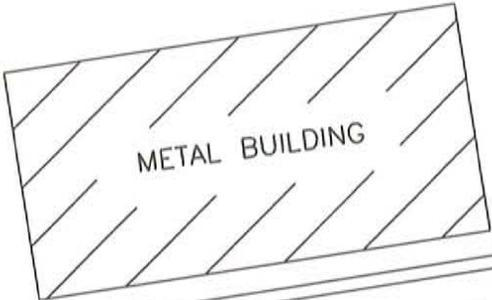
Closed Tanks A-419-A, A-419-B, A-419-C

None.





VICINITY MAP
SCALE: 1"=400'



LEGEND

 APPROXIMATE DIRECTION OF SURFACE WATER FLOW

NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN
**SITE MAP OF FORMER TANKS
A-419-A, A-419-B & A-419-C
BOCA CHICA FIELD INDUSTRIAL AREA**

X: QR LI
P: NAVY-AP.PC2
2/19/01 TAM-54-JAR
880\88022\8CIA\88022G10.DWG

SOURCE: Base map (Sitemap\A419.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE', Date October 1996, drawn at full scale. Field check by BBL.

6.3.17 Site A-422 – Boca Chica Building A-422

Building A-418, the Administration Building, is located southwest of the intersection of Saratoga and Langley Avenues. Building A-422 is located adjacent to and west of Building 418.

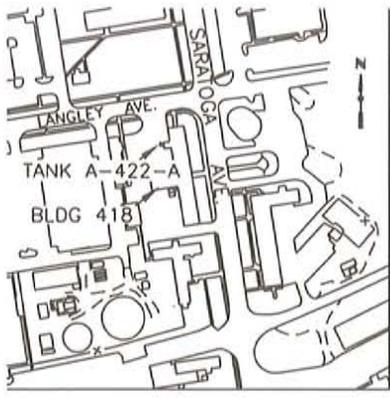
6.3.17.1 Closed Tank – A-422-A

Former tank A-422-A was a 300-gallon UST used to store diesel (**Figure 6-45**). This tank supplied fuel used by an emergency generator at Building A-422 as an alternate power source during power outages. The tank was closed by removal on August 25, 1998. A site assessment was performed and the site was granted a NFA by DEP on August 10, 2000.

6.3.17.2 Regulatory Compliance Requirements

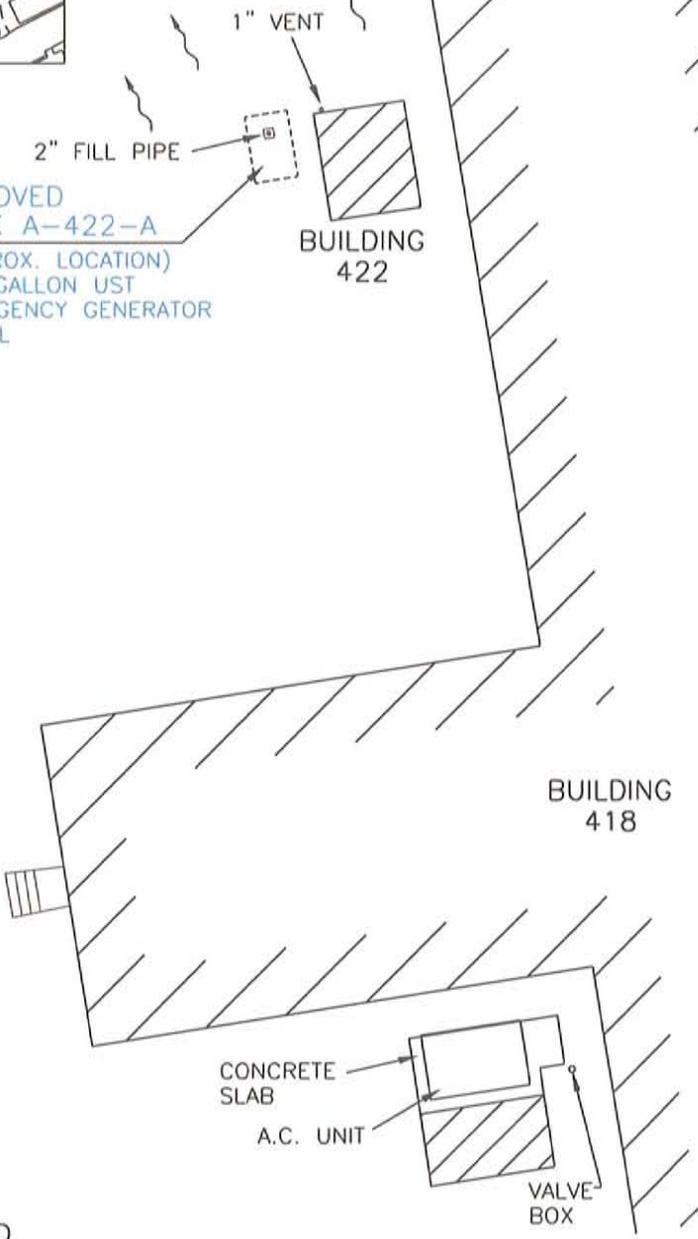
Closed Tank A-422-A

None.



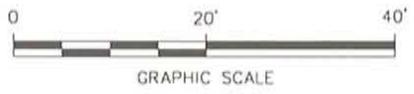
VICINITY MAP
SCALE: 1"=400'

REMOVED
TANK A-422-A
(APPROX. LOCATION)
300 GALLON UST
EMERGENCY GENERATOR
DIESEL



LEGEND

APPROXIMATE DIRECTION OF SURFACE WATER FLOW



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN
SITE MAP OF FORMER TANK A-422-A
BOCA CHICA FIELD INDUSTRIAL AREA

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
B80\88022\BCA\88022012.DWG

SOURCE: Base map (Sitemap\A418.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE', Date October 1996, drawn at full scale. Field check by BBL.

BBL **BLASLAND, BOUCK & LEE, INC.** **engineers & scientists** **FIGURE 6-45**

6.3.18 Site A-443 – Boca Chica Public Works Automotive Maintenance Shop Building – A-443

Building A-443 is the Public Works Automotive Maintenance Shop located north of Midway Avenue and south of Langley Avenue.

6.3.18.1 Closed Tank – A-443

Former oil/water separator A-443 was located on the east side of Building A-443 (**Figure 6-46**). Oily water generated from maintenance activities was deposited into this separator for segregation and disposal. Segregated water was discharged into the facility's sanitary sewer system while oils are disposed of by NAS Public Works contract. The storage capacity of A-443 was approximately 2,000-gallons. The oil/water separator was closed by removal.

6.3.18.2 Regulatory Compliance Requirements

Closed Tank A-443

None. This tank was a process tank and was exempt from state and federal regulations.



BUILDING
443



VICINITY MAP
SCALE: 1"=400'

ABOVE GROUND
DRAINAGE PIPING

OPEN
SHED
ROOF

POWER POLE

REMOVED
TANK A-443
2000 GALLON O/W
SEPARATOR
USED OIL

LEGEND



APPROXIMATE DIRECTION
OF SURFACE WATER FLOW



GRAPHIC SCALE

NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**SITE MAP OF FORMER TANK A-443
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL

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engineers & scientists

FIGURE
6-46

X: OR L
P: NAVY-AP-PC2
2/19/01 TAM-54-JAR
880\88022\8CIA\88022G13.DWG

SOURCE: Base map (Sitemap\A443-OWS.dwg)
provided by 'RUST ENVIRONMENTAL &
INFRASTRUCTURE'. Date October 1996, drawn at
full scale. Field check by BBL.

6.3.19 Site A-447 – Boca Chica Potable Water Pump Station – A-447

6.3.19.1 Existing Tank – A-447

The Potable Water Pumping Station found in Building A-447 is located south of Building A-443. Found to the south of Building A-447 is Tank A-447, a 265-gallon AST containing JP-5 (**Figure 6-47**). Fuel from this tank is used to power the station's emergency generator during electrical loss. A 2' deep valved concrete impoundment provides secondary containment.

Tank A-447

Tank ID A-447	
Year of Installation	1944
Size	265-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Single-walled unpainted steel on supports Concrete block secondary containment
Piping	Aboveground unpainted steel Suction piping system
Leak Detection	SPCC Plan Manual gauging Visual inspection of AST systems

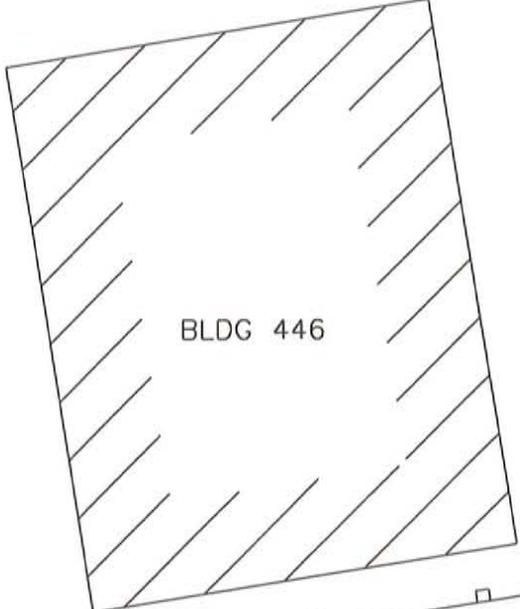
6.3.19.2 Regulatory Compliance Requirements

Tank A-447

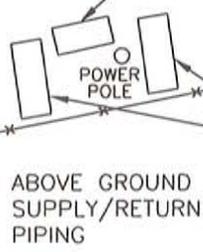
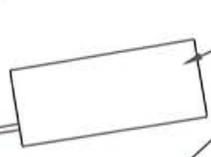
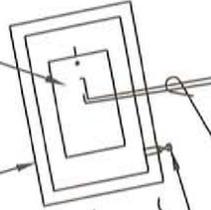
None.



VICINITY MAP
SCALE: 1"=400'



TANK A-447
265 GALLON AST
EMERGENCY GENERATOR
JP-5 FUEL TANK



CONCRETE SLABS

CONCRETE SECONDARY CONTAINMENT

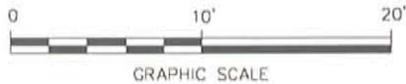
CONTAINMENT DRAIN

GENERATOR ON CONCRETE SLAB

ELECTRIC PANEL

LEGEND

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE



NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

SITE MAP OF TANK A-447
BOCA CHICA FIELD INDUSTRIAL AREA



BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-47

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
B80\88022\BCIA\B8022G14.DWG

SOURCE: Base map (Sitemap\A447.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

6.3.20 Site A-515 – Boca Chica

Building A-515 is located south of the intersection of Hornet Avenue and Langley Avenue. No site-specific map is available. Refer to **Figure 6-30** for the location of Building A-515.

6.3.20.1 Closed Tank – A-515

Former tank A-515 was located to the west of Building A-515. The tank was a 2,000-gallon UST that contained heating fuel oil. The tank was closed by removal.

6.3.20.2 Regulatory Compliance Requirements

Closed Tank A-515

None.

6.3.21 Site A-522 – Boca Chica

The site is south of the Galley Building A-515, located southeast of Langley and Hornet Avenues.

6.3.21.1 Closed Tank – A-522

Former Tank A-522 was located on the northern side of Building A-516, south of Building A-515. Tank A-522 was a 700-gallon AST containing fuel oil for on-site heating purposes (**Figure 6-48**). The tank was provided with secondary containment. The tank was closed by removal.

6.3.21.2 Regulatory Compliance Requirements

Closed Tank A-522

None.

6.3.22 Site A-526 – Boca Chica Galley – Building A-526

The Boiler House Building A-526 is located south of the Galley Building A-515 on Langley Avenue.

6.3.22.1 Existing Tank – A-526-R

Tank A-526-R is found east of the boiler building (**Figure 6-48**). This 500-gallon vaulted AST provides JP-5 fuel to the facility's boiler. Tank A-526-R is equipped with a tank level gauge and interstitial monitoring.

Tank A-526-R

Tank ID A-526-R	
Year of Installation	1996
Size	500-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Vaulted Double-walled Spill containment bucket
Piping	Aboveground Suction piping system
Leak Detection	SPCC Plan Interstitial space of double-walled tank Visual inspection of AST systems

6.3.22.2 Closed Tank – A-526

Former tank A-526 was located adjacent to the south of the Galley Building (**Figure 6-48**). The former 1,000-gallon UST provided JP-5 fuel to the facility's boiler. Tank A-526 was closed by removal on August 19, 2000.

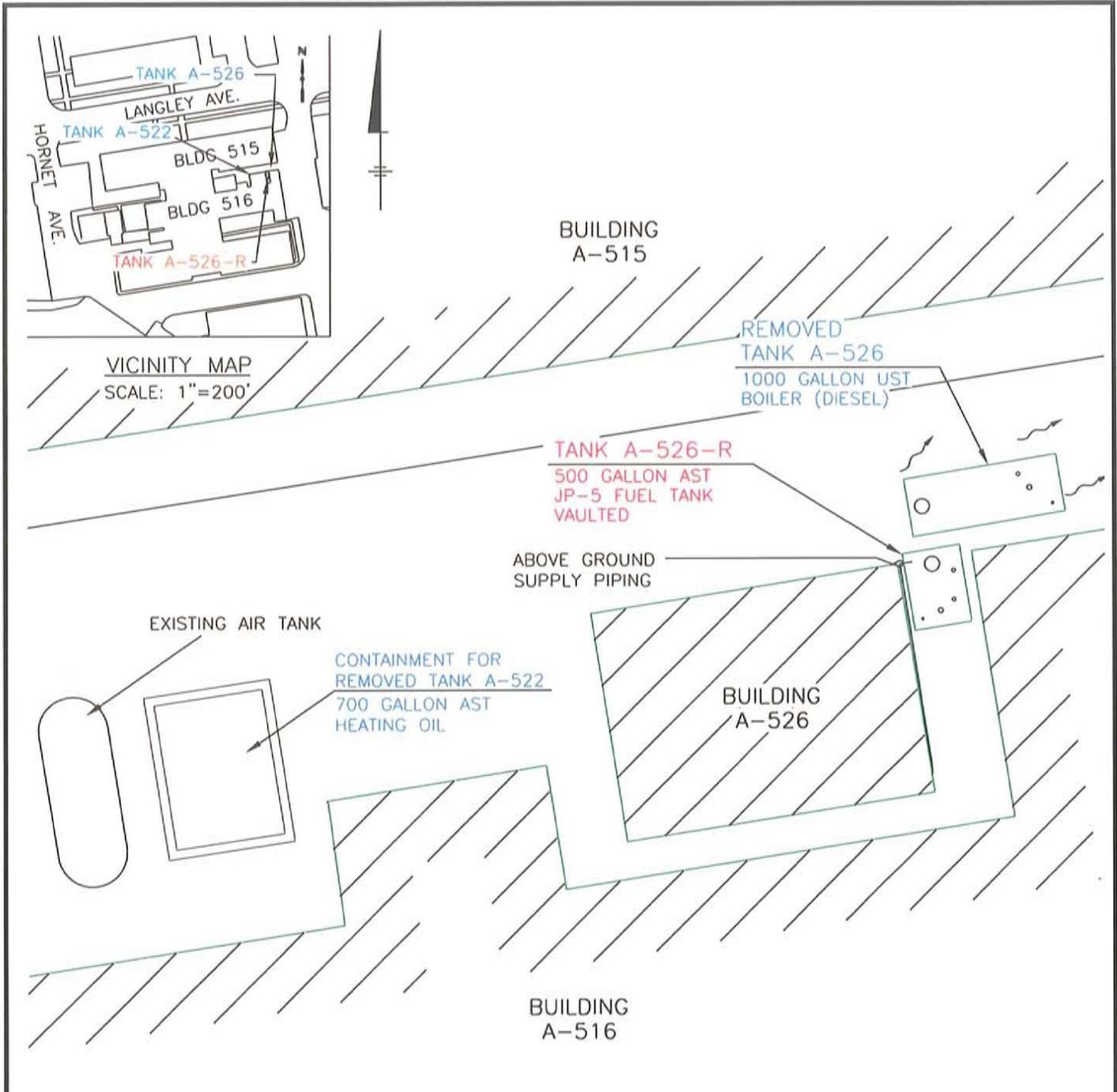
6.3.22.3 Regulatory Compliance Requirements

Tank A-526-R

None.

Closed Tank A-526

None.



VICINITY MAP
SCALE: 1"=200'

REMOVED
TANK A-526
1000 GALLON UST
BOILER (DIESEL)

TANK A-526-R
500 GALLON AST
JP-5 FUEL TANK
VAULTED

ABOVE GROUND
SUPPLY PIPING

EXISTING AIR TANK

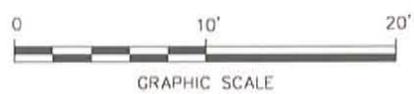
CONTAINMENT FOR
REMOVED TANK A-522
700 GALLON AST
HEATING OIL

BUILDING
A-526

BUILDING
A-516

LEGEND

~ ~ ~ APPROXIMATE DIRECTION
OF SURFACE WATER FLOW



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**SITE MAP OF TANK A-526-R AND
FORMER TANKS A-526 AND A-522
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL **BLASLAND, BOUCK & LEE, INC.** **engineers & scientists** **FIGURE 6-48**

X: OR L:
P: 510-PC2\AP
1/8/01 TAM-54-JAR
B80\B8022\BCIA\B8022G15.DWG

SOURCE: Bose map (Sitemap\A526.dwg) provided
by "RUST ENVIRONMENTAL & INFRASTRUCTURE".
Date October 1996, drawn at full scale. Field
check by BBL.

6.3.23 Site A-624 – Boca Chica Bachelor Enlisted Quarters (BEQ) Building A-624

Building A-624 was the Bachelor Enlisted Quarters (BEQ) found on Saratoga Avenue.

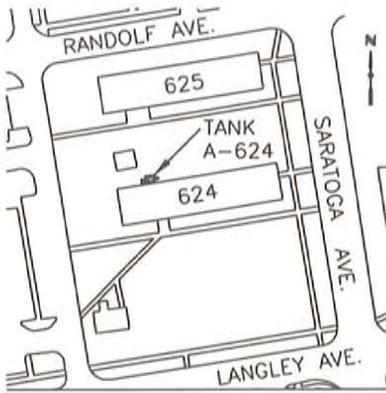
6.3.23.1 Closed Tank – A-624

Located on the north side of the BEQ was a 500-gallon diesel fuel AST (**Figure 6-49**). Fuel from Tank A-624 was used to provide fuel to the BEQ hot water boiler. Secondary containment was provided at the site. The tank was closed by removal on August 2, 1996. Building A-624 has been removed also. A Closure Report was submitted. No environmental concerns were identified.

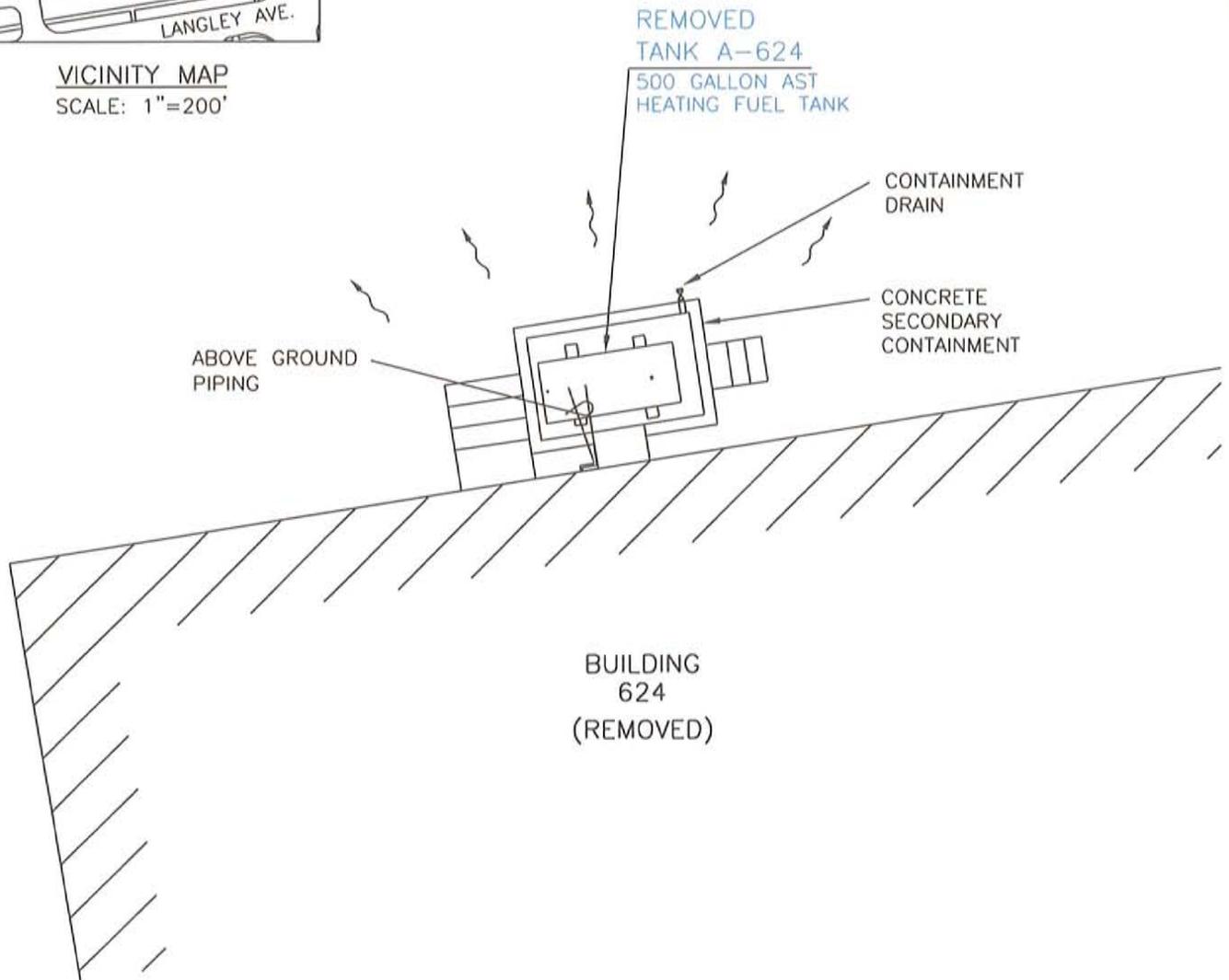
6.3.23.2 Regulatory Compliance Requirements

Closed Tank A-624

None.

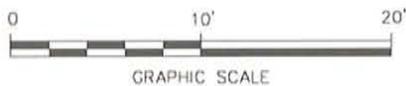


VICINITY MAP
SCALE: 1"=200'



LEGEND

APPROXIMATE DIRECTION OF SURFACE WATER FLOW



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN
SITE MAP OF FORMER TANK A-624
BOCA CHICA FIELD INDUSTRIAL AREA

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
880\88022\BCA\88022G16.DWG

SOURCE: Base map (Sitemap\A624.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE', Date October 1996, drawn at full scale. Field check by BBL.

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-49

6.3.24 Site A-625 – Boca Chica Bachelor Enlisted Quarters (BEQ) Building A-625

The former Bachelor Enlisted Quarters (BEQ) was located in Building A-625 on the corner of Saratoga and Randolph Avenue.

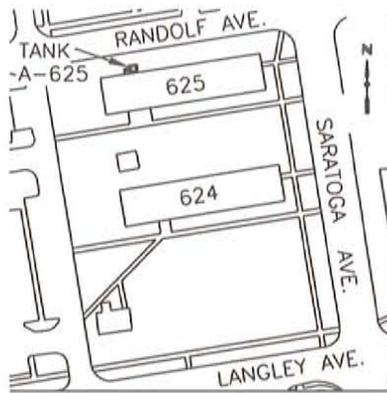
6.3.24.1 Closed Tank – A-625

Former Tank A-625 was located on the north side of this facility located within secondary containment (**Figure 6-50**). Former Tank A-625, a 550-gallon AST, provided fuel oil to the BEQ boiler. Former Tank A-625 was closed by removal in 1996. Building A-625 has also been removed.

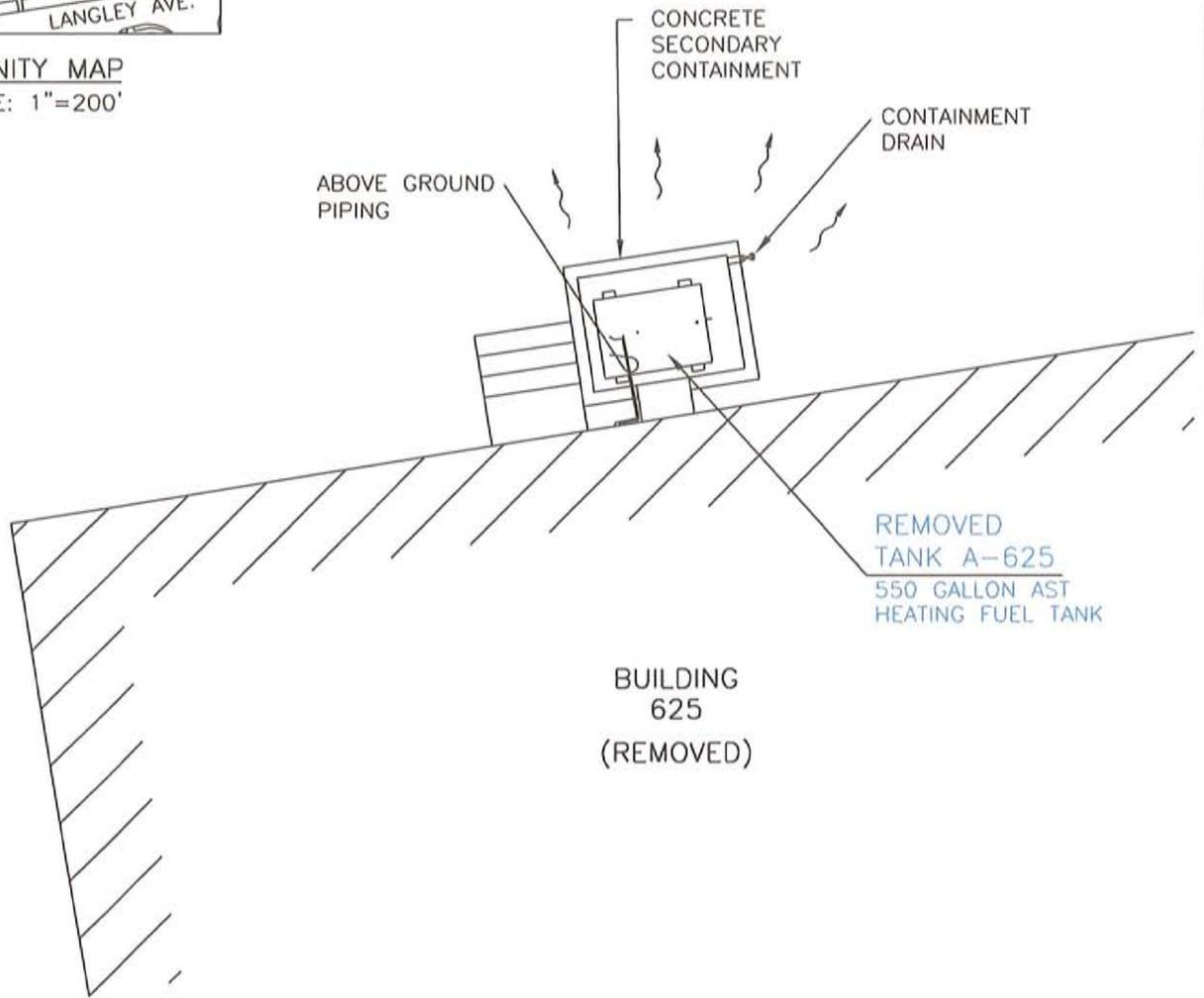
6.3.24.2 Regulatory Compliance Requirements

Closed Tank A-625

None.



VICINITY MAP
SCALE: 1"=200'



LEGEND

~ ~ ~ APPROXIMATE DIRECTION OF SURFACE WATER FLOW



GRAPHIC SCALE

NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**SITE MAP OF FORMER TANK A-625
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-50

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
880\88022\8CIA\88022G17.DWG

SOURCE: Base map (Sitemap\dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

6.3.25 Site A-630 – Boca Chica Bachelor Enlisted Quarters (BEQ) Building A-630

Former Building A-630 was a Bachelor Enlisted Quarters (BEQ) found on the corner of Langley and Hornet Avenue.

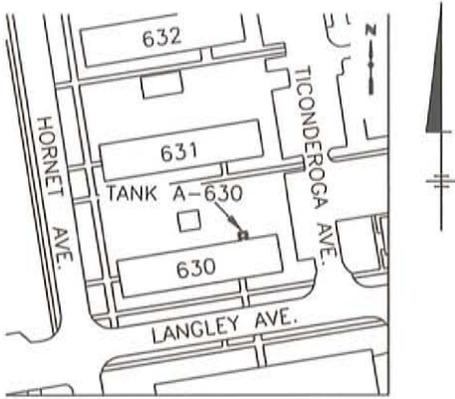
6.3.25.1 Closed Tank – A-630

Located on the north side of the BEQ was former Tank A-630 a 560-gallon fuel oil AST (**Figure 6-51**). Tank A-630 was used to provide fuel to the BEQ hot water boiler. Secondary containment was supplied by a 2' deep valved concrete impoundment. Tank A-630 was closed by removal on April 19, 1997. Building A-630 was also removed. A Closure Report was submitted. No environmental concerns were identified.

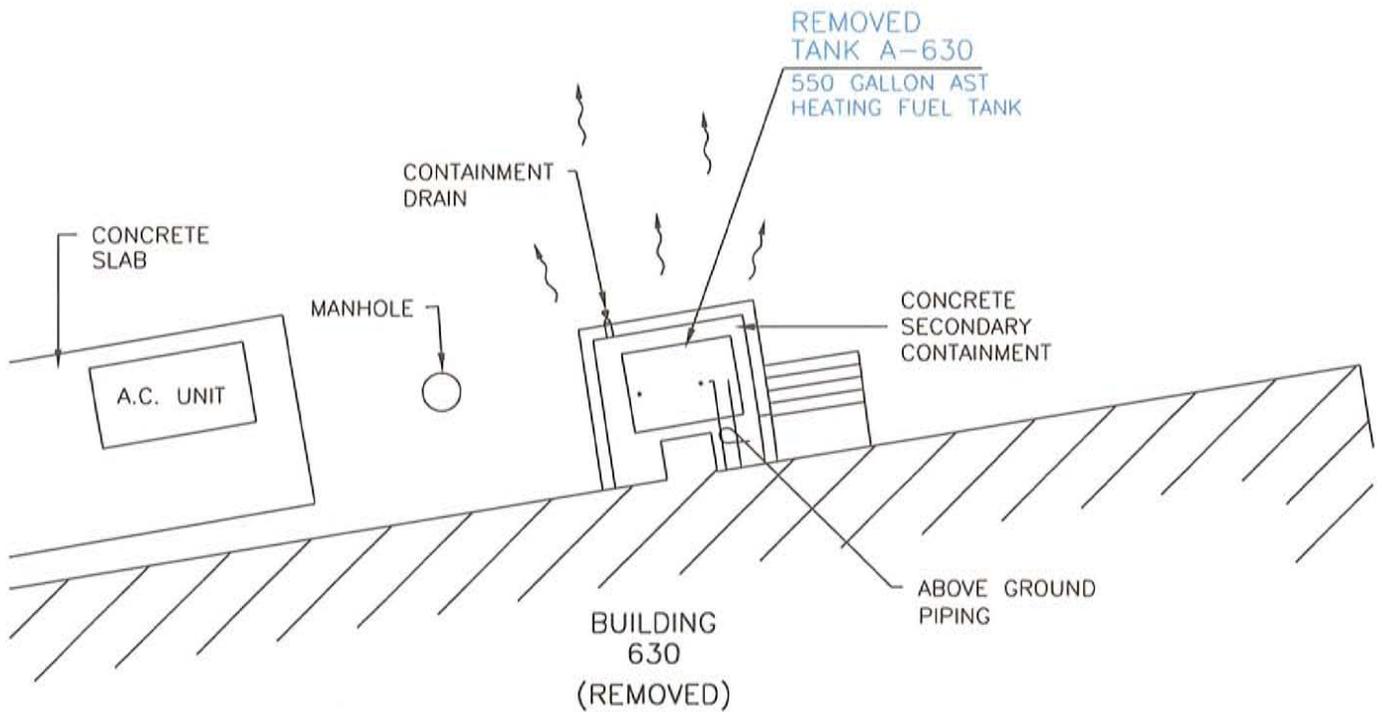
6.3.25.2 Regulatory Compliance Requirements

Closed Tank A-630

None.

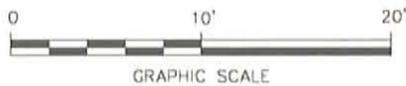


VICINITY MAP
SCALE: 1"=200'



LEGEND

~ ~ ~ ~ ~
APPROXIMATE DIRECTION
OF SURFACE WATER FLOW



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**SITE MAP OF FORMER TANK A-630
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-51

X: CR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
BBO\BBO22\BICA\BBO22G18.DWG

SOURCE: Base map (Sitemap\A630.dwg) provided
by 'RUST ENVIRONMENTAL & INFRASTRUCTURE',
Date October 1996, drawn at full scale. Field
check by BBL.

6.3.26 Site A-631 – Boca Chica Bachelor Enlisted Quarters (BEQ) Building A-631

Former Bachelor Enlisted Quarters (BEQ) was located in Building A-631 on Hornet Avenue, north of Building A-630.

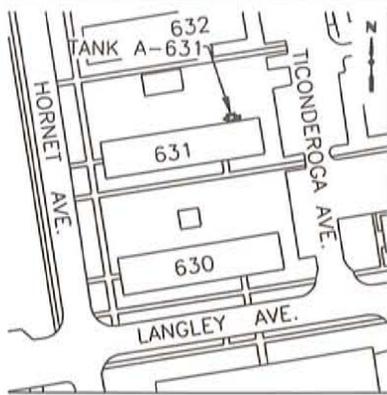
6.3.26.1 Closed Tank – A-631

Former Tank A-631 was found on the north side of this facility (**Figure 6-52**). Located inside a 1'-8" deep valved concrete secondary containment, Tank A-631 provided fuel oil to the BEQ boiler. Former Tank A-631 was a 560-gallon aboveground tank. The tank was closed by removal on April 19, 1997. No environmental concerns were identified. Building A-631 was also removed.

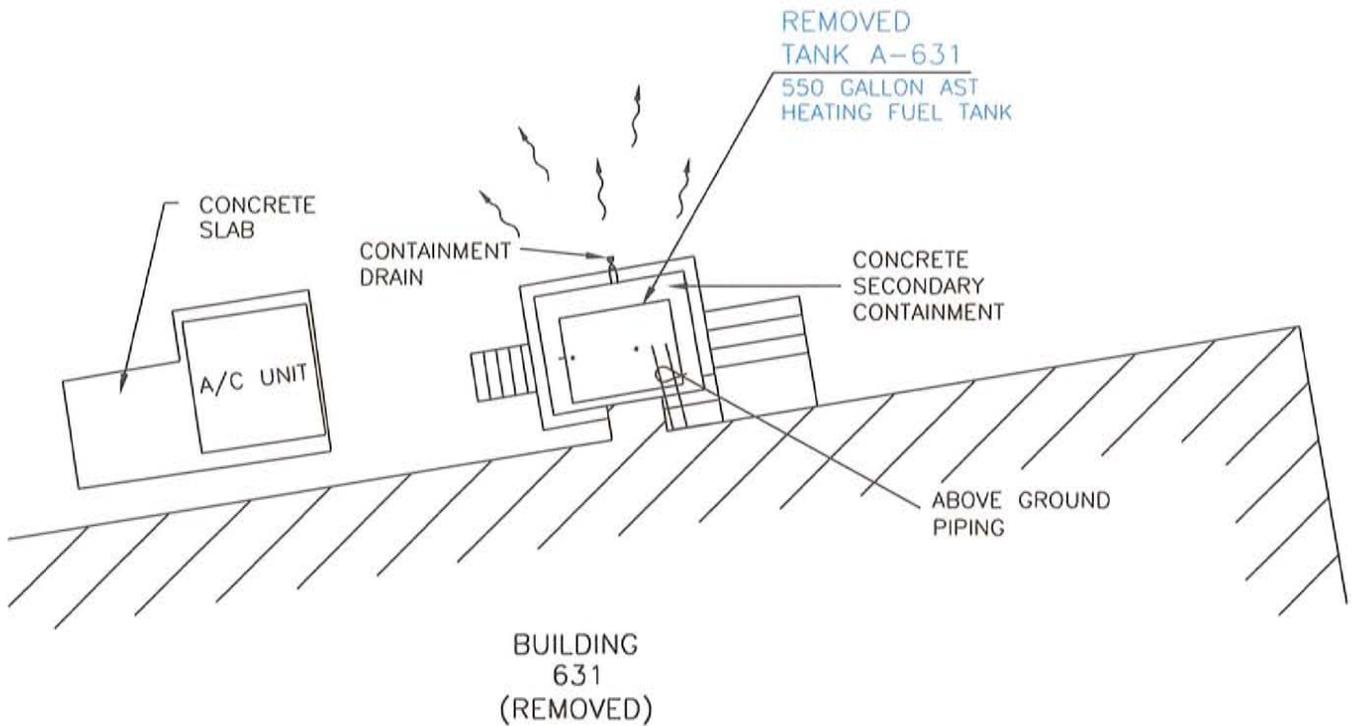
6.3.26.2 Regulatory Compliance Requirements

Closed Tank A-631

None.

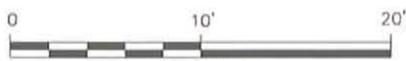


VICINITY MAP
SCALE: 1"=200'



LEGEND

← APPROXIMATE DIRECTION OF SURFACE WATER FLOW



GRAPHIC SCALE

NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN
SITE MAP OF FORMER TANK A-631
BOCA CHICA FIELD INDUSTRIAL AREA

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
B80\88022\BCIA\88022G19.DWG

SOURCE: Base map (Sitemap\A631.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE', Date October 1996, drawn at full scale. Field check by BBL.

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-52

6.3.27 Site A-632 – Boca Chica Bachelor Enlisted Quarters (BEQ) Building A-632

Former Building A-632 was a Bachelor Enlisted Quarters (BEQ) found on Hornet Avenue north of former Building A-631.

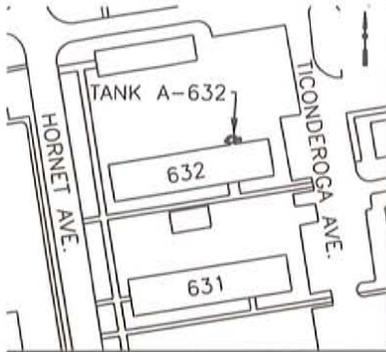
6.3.27.1 Closed Tank – A-632

Located on the north side of the BEQ is a 560-gallon aboveground fuel oil tank (**Figure 6-53**). Fuel from Tank A-632 was used to provide fuel to the BEQ hot water boiler. Secondary containment was supplied by a 1'-8" deep valved concrete impoundment. The tank was closed by removal on April 19, 1997. Building A-632 has also been removed. A Closure Report was submitted. No environmental concerns were identified.

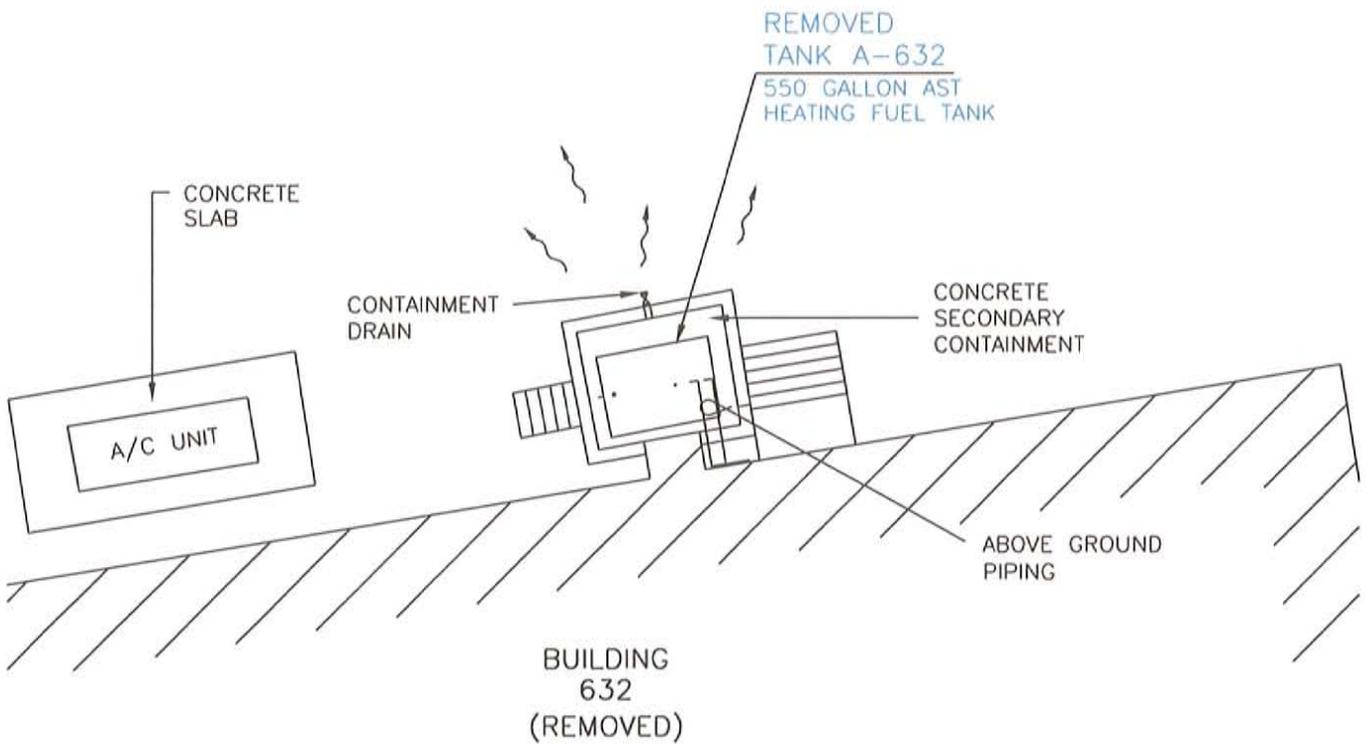
6.3.27.2 Regulatory Compliance Requirements

Closed Tank A-632

None.

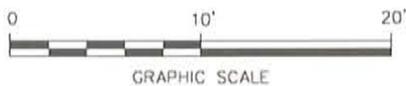


VICINITY MAP
SCALE: 1"=200'



LEGEND

~ ~ ~ APPROXIMATE DIRECTION OF SURFACE WATER FLOW



X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
880\88022\BCIA\88022G20.DWG

SOURCE: Base map (Sitemap\A632.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

SITE MAP OF FORMER TANK A-632
BOCA CHICA FIELD INDUSTRIAL AREA

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-53

6.3.28 Site A-634 – Boca Chica Island Clipper Club Building A-634

The Island Clipper Club is located on the corner of Hornet and Randolph Avenue.

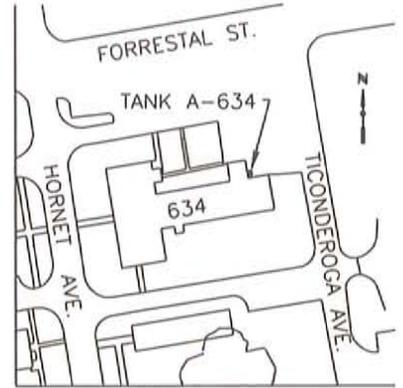
6.3.28.1 Closed Tank – A-634

Formerly located on the north side of the club was former Tank A-634 (**Figure 6-54**). This tank was a 265-gallon fuel oil tank used to fuel a boiler inside the club. No secondary containment existed at this site. On April 19, 1997 the tank was closed by removal. A Closure Report was submitted. No environmental concerns were identified.

6.3.28.2 Regulatory Compliance Requirements

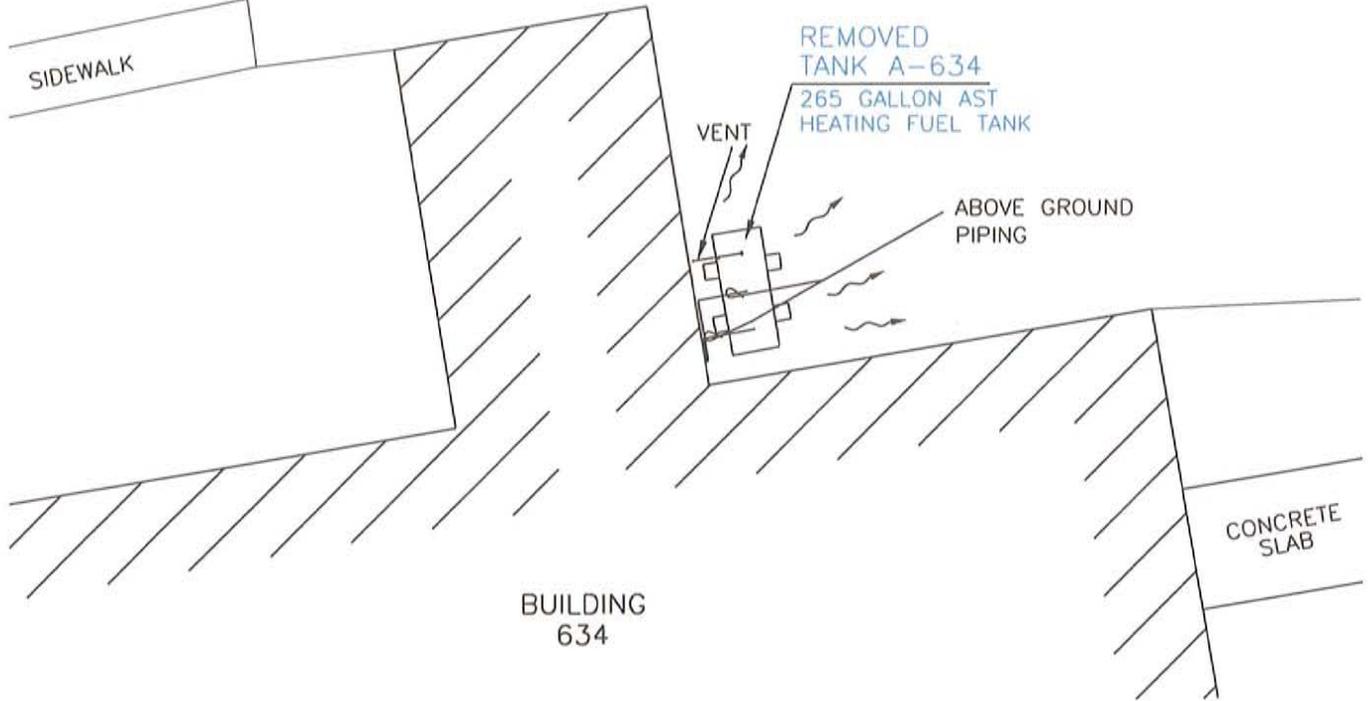
Closed Tank A-634

None.



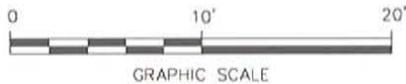
VICINITY MAP
SCALE: 1"=200'

P A R K I N G



LEGEND

 APPROXIMATE DIRECTION OF SURFACE WATER FLOW



GRAPHIC SCALE

NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**SITE MAP OF FORMER TANK A-634
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-54

X: OR L:
P: ST0-PC2\AP
1/8/01 TAM-54-JAR
B80\B8022\BCIA\B8022G21.DWG

SOURCE: Base map (Sitemap\A634.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

6.3.29 Site A-638 – Boca Chica Bachelor Enlisted Quarters (BEQ) Building A-638

The Bachelor Enlisted Quarters (BEQ) is found in Building A-638 on the corner of Coral Sea and Randolph Avenue.

6.3.29.1 Existing Tank – A-638-R

Tank A-638-R is found on the East Side of this facility (**Figure 6-55**). The tank replaces former Tank A-638. Tank A-638-R provides fuel oil to the BEQ emergency generator. Tank A-638-R is a 1,000-gallon vaulted AST.

Tank A-638-R

Tank ID A-638-R	
Year of Installation	1999
Size	1,000-gallons
Contents	Fuel Oil
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-service
Tank Construction	Vaulted Double-walled Overfill protection – tight fill
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.3.29.2 Closed Tank – A-638

Former tank A-638 was found on the east side of this facility (**Figure 6-55**). Located inside a 2'-5" deep valved concrete secondary containment, Tank A-638 provided fuel oil to the BEQ boiler. Former Tank A-638 was a 1,000-gallon UST. In 1998, the tank was closed by removal. No Closure Report was prepared. This tank was not regulated.

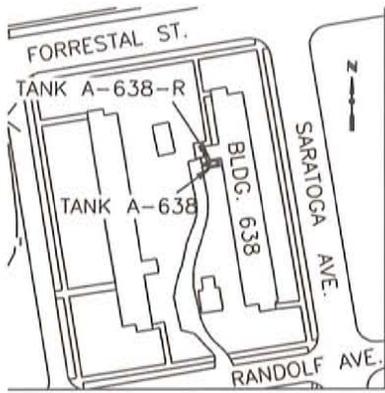
6.3.29.3 Regulatory Compliance Requirements

Tank A-638-R

None.

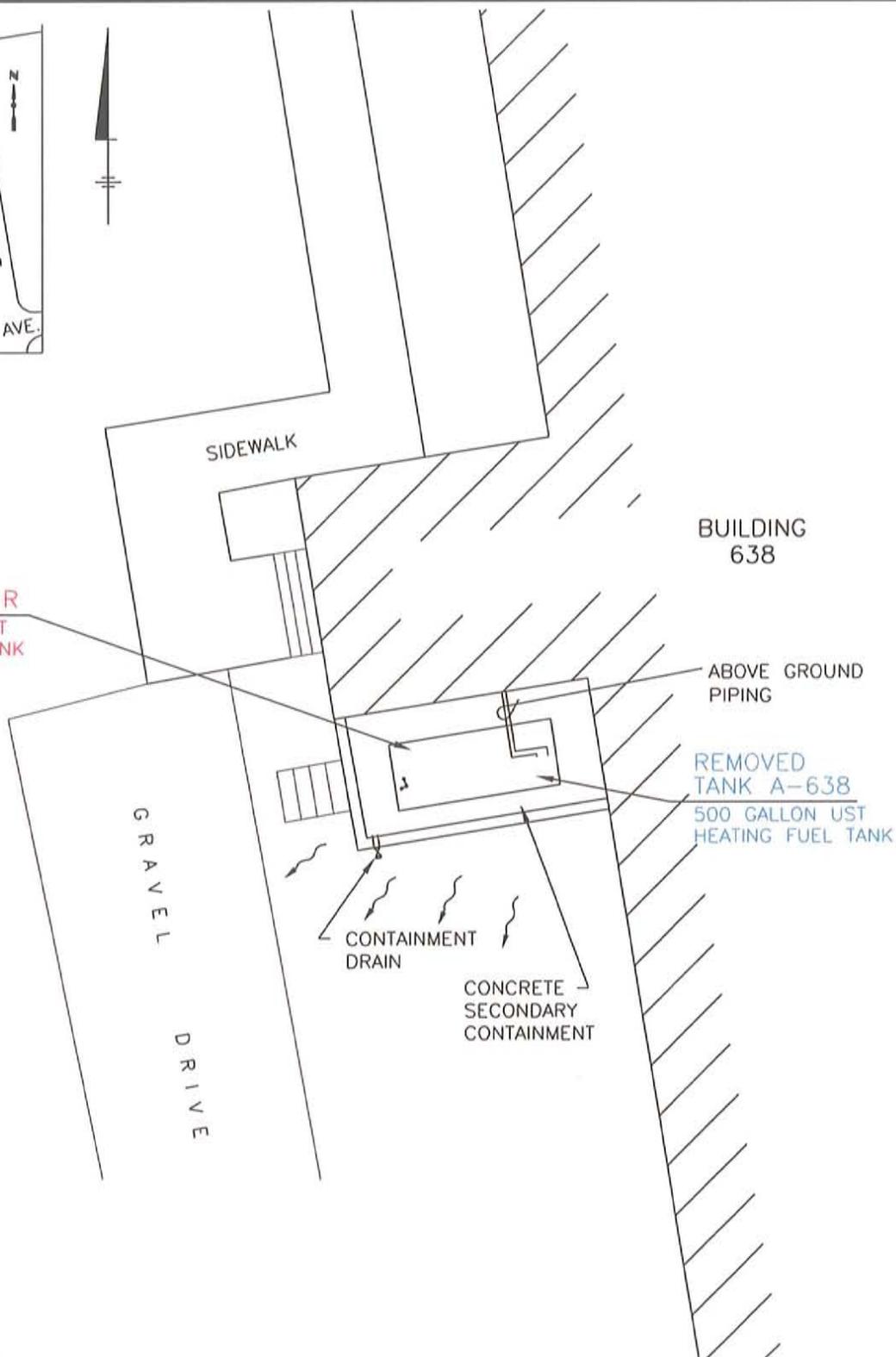
Closed Tank A-638

None.



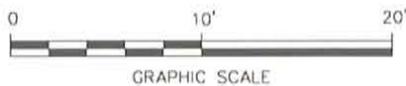
VICINITY MAP
SCALE: 1"=200'

TANK A-638-R
1000 GALLON AST
HEATING FUEL TANK
JP-5, VAULTED



LEGEND

~ ~ ~ APPROXIMATE DIRECTION OF SURFACE WATER FLOW



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN
**SITE MAP OF TANK A-638-R
AND FORMER TANK A-638**
BOCA CHICA FIELD INDUSTRIAL AREA

BBL BLASLAND, BOUCK & LEE, INC. **FIGURE 6-55**
engineers & scientists

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
880\88022\BCIA\88022022.DWG

SOURCE: Base map (Sitemap\A638.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

6.3.30 Site A-639 – Boca Chica Bachelor Enlisted Quarters (BEQ) Building A-639

Building A-639 is a Bachelor Enlisted Quarters (BEQ) found on the corner of Randolph and Saratoga Avenue.

6.3.30.1 Existing Tank – A-639-R

Located on the west side of the BEQ is a 1,000-gallon vaulted AST (**Figure 6-56**). Fuel oil from Tank A-639-R is used to provide fuel to the BEQ emergency generator.

Tank A-639-R

Tank ID A-639-R	
Year of Installation	1999
Size	1,000-gallons
Contents	Fuel Oil
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-service
Tank Construction	Vaulted Double-walled Overfill protection – tight fill
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.3.30.2 Closed Tank – A-639

Located on the west side of the BEQ was a 1,000-gallon aboveground fuel oil tank (**Figure 6-56**). Fuel from Tank A-639 was used to provide fuel to the BEQ hot water boiler. No secondary containment existed at the site. No closure assessment was performed. This tank was not regulated.

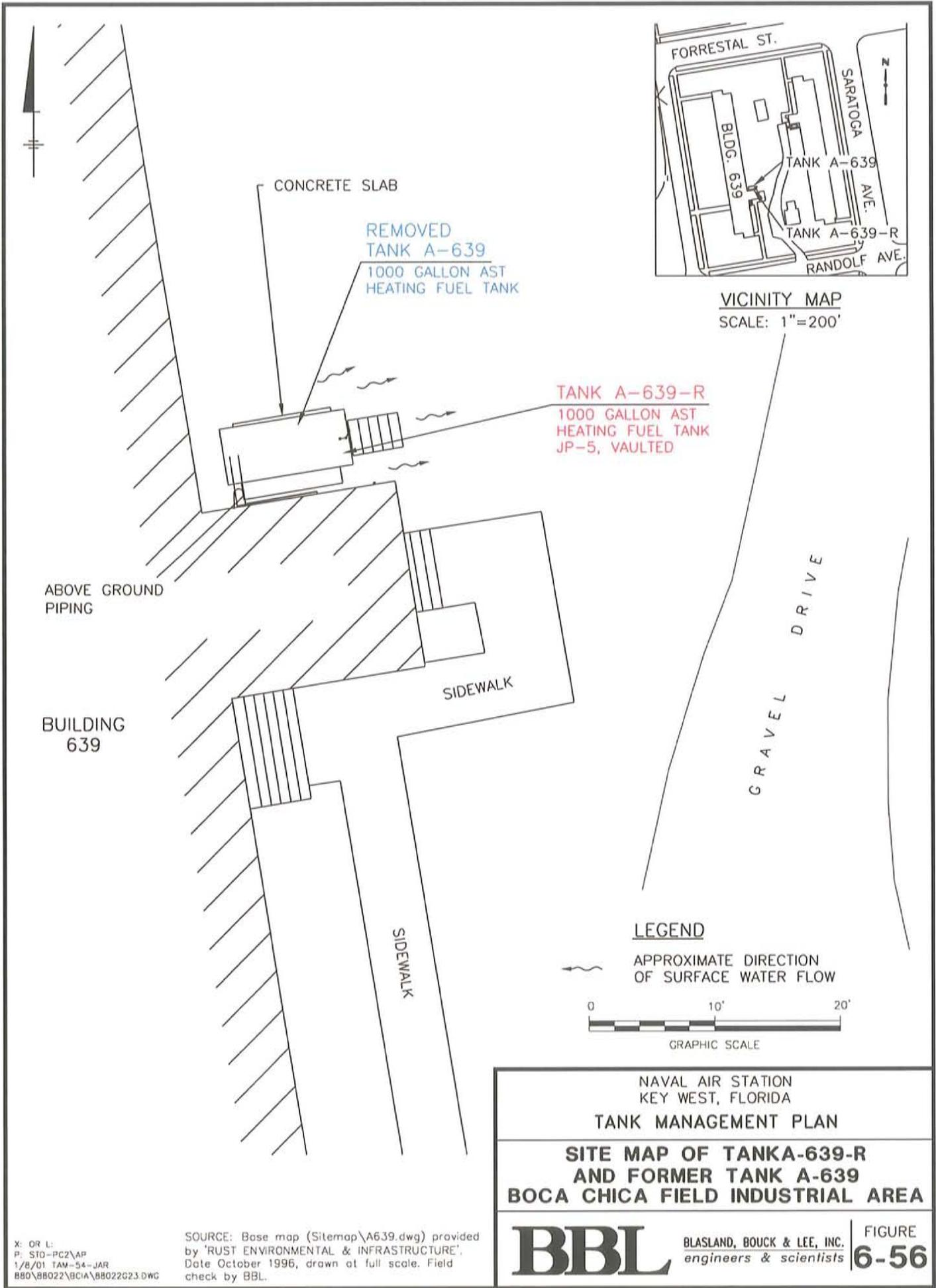
6.3.30.3 Regulatory Compliance Requirements

Tank A-639-R

None.

Closed Tank A-639

None.



X: OR L:
P: ST0-PC2\AP
1/8/01 TAM-54-JAR
B80\B8022\8C\A\B8022023.DWG

SOURCE: Base map (Sitemap\A639.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

6.3.31 Site A-648 – Boca Chica Barracks

Boca Chica Barracks Building A-648 is located north of Forrestal Street and east of Hornet Avenue.

6.3.31.1 Existing Tank – A-648-R

One AST, A-648-R, is located north of Building A-648 (**Figure 6-57**). Tank A-648-R is a 500-gallon vaulted AST containing JP-5 used to supply fuel to an emergency generator at the barracks.

Tank A-648-R

Tank ID A-648-R	
Year of Installation	1997
Size	500-gallons
Contents	JP-5
Regulated – Federal	Regulated; 40 CFR 112
Regulated – Florida	Unregulated
Status	In-Service
Tank Construction	Vaulted Double-walled Spill containment bucket
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.3.31.2 Closed Tank – A-648

Former Tank A-648 was located north of Building A-648 (**Figure 6-57**). This 1,000-gallon fuel oil tank was located in a 4-foot deep valved concrete secondary containment. Fuel from Tank A-648 was used to operate the facility's boiler. The tank was closed by removal on April 26, 1996. A Closure Report was submitted. No environmental concerns were identified.

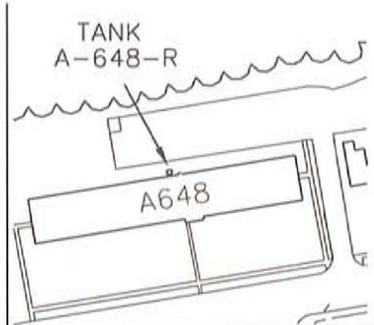
6.3.31.3 Regulatory Compliance Requirements

Tank A-648-R

None.

Closed Tank A-648

None.



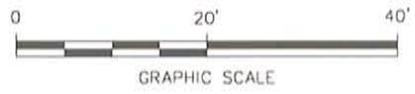
SITE VICINITY
SCALE 1"=200'

PARKING

TANK A-648-R
500 GALLON AST
VAULTED

ENTRANCE DOOR

A648



NOTE: PRECISE LOCATION OF TANKS UNKNOWN.

NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN
SITE MAP OF TANK A-648-R
BOCA CHICA FIELD INDUSTRIAL AREA

P: NAVY-AP.PC2
2/19/01 TAM-54-JAR
880\88022\BCIA\88022C31.DWG

SOURCE: Base map (#37147N03.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale. 'Monitoring Only Plan Building A-322, PWD ENVIRONMENTAL.

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists **FIGURE 6-57**

6.3.32 Site A-649 – Boca Chica Barracks

Boca Chica Barracks Building A-649 is located north of Forrestal Street and east of Hornet Avenue.

6.3.32.1 Existing Tank – A-649-R

One AST, A-649-R, is located to the north of Building A-649 (Figure 6-58). Tank A-649-R is a 500-gallon vaulted AST containing JP-5 used to supply fuel to the barracks boiler.

Tank A-649-R

Tank ID A-649-R	
Year of Installation	1997
Size	500-gallons
Contents	JP-5
Regulated – Federal	Regulated; 40 CFR 112
Regulated – Florida	Unregulated
Status	In-Service
Tank Construction	Vaulted Double-walled Spill containment bucket
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.3.32.2 Closed Tank – A-649

Former Tank A-649 was located north of Building A-649. The 1,000-gallon fuel oil tank was located in a 4-foot deep valved concrete secondary containment. Fuel from Tank A-649 was used to operate the facility's boiler. The tank was closed by removal on April 26, 1996. A Closure Report was submitted. No environmental concerns were identified.

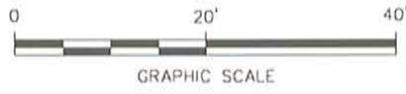
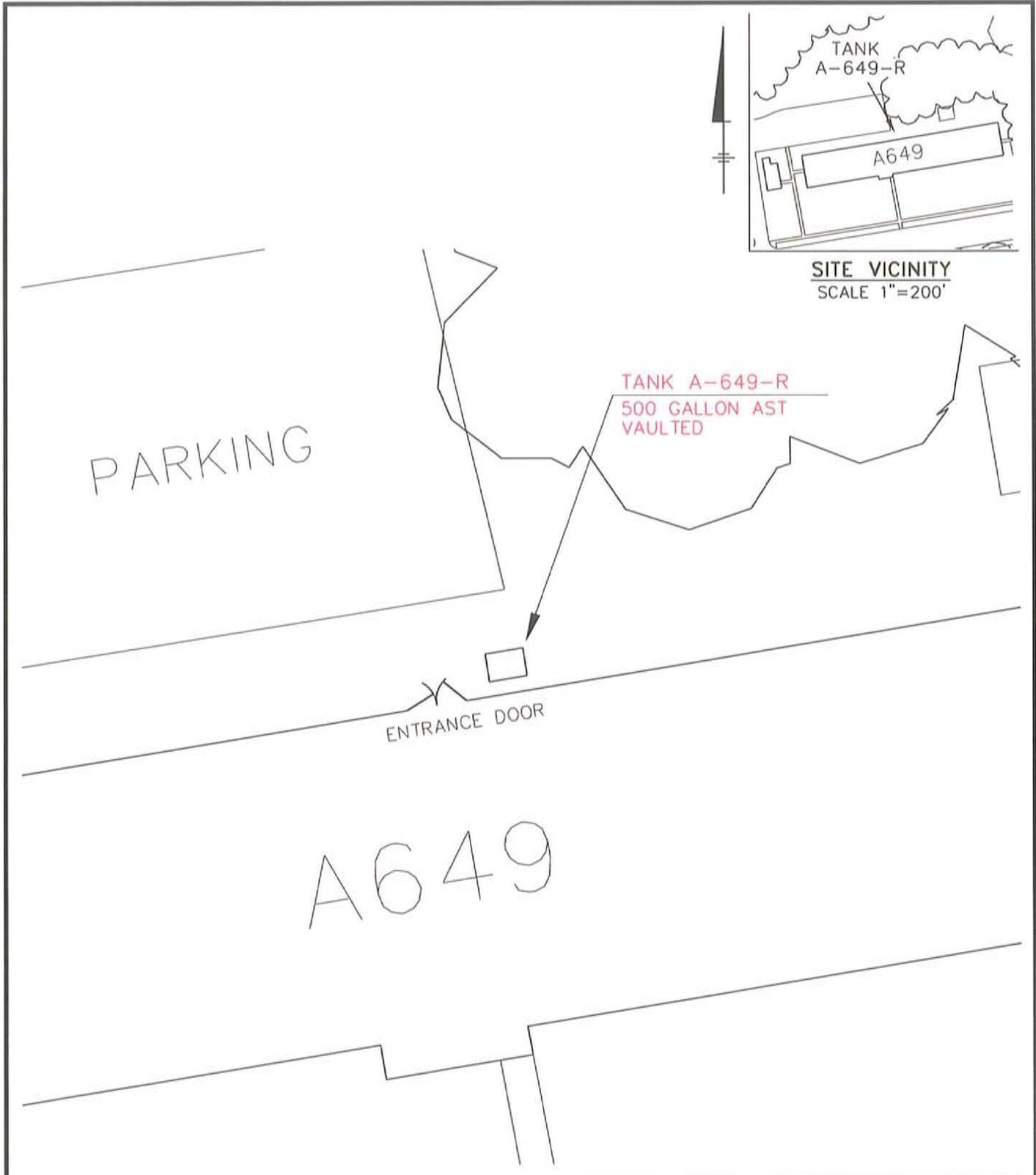
6.3.32.3 Regulatory Compliance Requirements

Tank A-649-R

None.

Closed Tank A-649

None.



NOTE: PRECISE LOCATION OF TANKS UNKNOWN.

NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

SITE MAP OF TANK A-649-R
BOCA CHICA FIELD INDUSTRIAL AREA

P: NAVY-AP.PC2
2/19/01 TAM-54-JAR
880\88022\BCIA\88022G32.DWG

SOURCE: Base map (#37147N03.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale. 'Monitoring Only Plan Building A-322, PWD ENVIRONMENTAL.

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE **6-58**

6.3.33 Site A-727 – Boca Chica Bachelor Enlisted Quarters (BEQ) Building A-727

Building A-727 is a Bachelor Enlisted Quarters (BEQ) found on the Forrestal Street.

6.3.33.1 Existing Tank – A-727-R

Tank A-727-R is found on the north side of this facility (**Figure 6-59**). Tank A-627-R provides JP-5 to the BEQ boiler. Tank A-727-R is a 500-gallon vaulted AST, which was installed in 1998 to replace Tank A-727.

Tank A-727-R

Tank ID A-727-R	
Year of Installation	1998
Size	500-gallons
Contents	JP-5
Regulated – Federal	Regulated; 40 CFR 112
Regulated – Florida	Unregulated
Status	In- Service
Tank Construction	Vaulted Double-walled Spill containment bucket
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.3.33.2 Closed Tank – A-727

Former Tank A-727 was located on the north side of this facility within a 3'-6" deep valved concrete secondary containment (**Figure 6-59**). Former Tank A-727, a 1,500-gallon AST, provided fuel oil to the BEQ boiler. The tank was closed by removal in 1997 and replaced by Tank A-727-R in 1998. No closure assessment was performed.

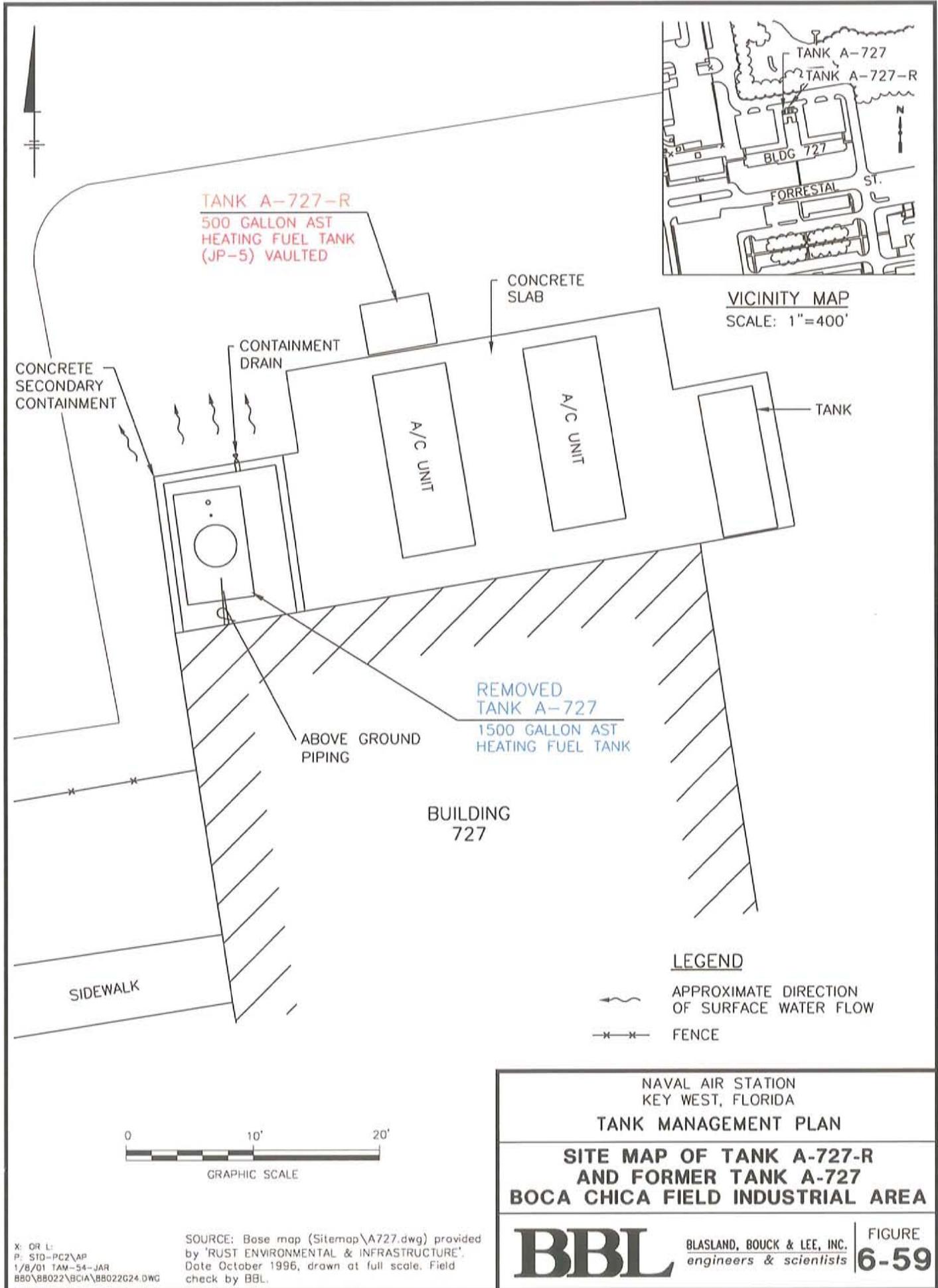
6.3.33.3 Regulatory Compliance Requirements

Tank A-727-R

Bolt tank to concrete slab.

Closed Tank A-727

None.



TANK A-727-R
500 GALLON AST
HEATING FUEL TANK
(JP-5) VAULTED

CONCRETE
SLAB

CONTAINMENT
DRAIN

CONCRETE
SECONDARY
CONTAINMENT

A/C UNIT

A/C UNIT

TANK

REMOVED
TANK A-727
1500 GALLON AST
HEATING FUEL TANK

ABOVE GROUND
PIPING

BUILDING
727

SIDEWALK

VICINITY MAP
SCALE: 1"=400'

LEGEND

-  APPROXIMATE DIRECTION OF SURFACE WATER FLOW
-  FENCE



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**SITE MAP OF TANK A-727-R
AND FORMER TANK A-727
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists **FIGURE 6-59**

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
B80\B8022\BCIA\B8022G24.DWG

SOURCE: Base map (Sitemap\A727.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

6.3.34 Site A-733 – Boca Chica Hobby Shop

The Boca Chica Hobby Shop is located in Building A-733.

6.3.34.1 Closed Tank – A-733

Former Tank A-733, a 2,000-gallon AST, provided fuel oil to the Hobby Shop boiler for heating. Former Tank A-733 was closed by removal on April 17, 1996. A Closure Report was submitted for former Tank A-733. No environmental concerns were identified.

6.3.34.2 Regulatory Compliance Requirements

Closed Tank A-733

None.

6.3.35 Site A-4011 – Boca Chica Naval Medical Clinic Building A-4011

The Naval Medical/Dental Clinic Building A-4011 is located on Saratoga Avenue north of Building A-325.

6.3.35.1 Existing Tank – A-4011-R

Found west of the clinic within a chain link fence is the facility's transformer and emergency generator (**Figure 6-60**). Tank A-4011-R is a 500-gallon JP-5 AST located west of the clinic's generator. Fuel from this tank is used to power the generator during electrical outages. This tank was previously located at another location as Tank A-314.

Tank A-4011-R

Tank ID A-4011-R	
Year of Installation	1998
Size	500-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-service
Tank Construction	Double-walled Vaulted Overfill protection – level gauges
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems

6.3.35.2 Closed Tank – A-4011

Former AST A-4011 was a 300-gallon JP-5 tank found west of the clinic's generator. Fuel from this tank was used to power the generator during electrical outages. Secondary containment was supplied by a 2'-6" deep valved secondary containment. The tank was closed by removal.

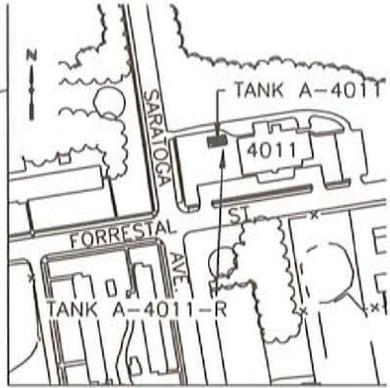
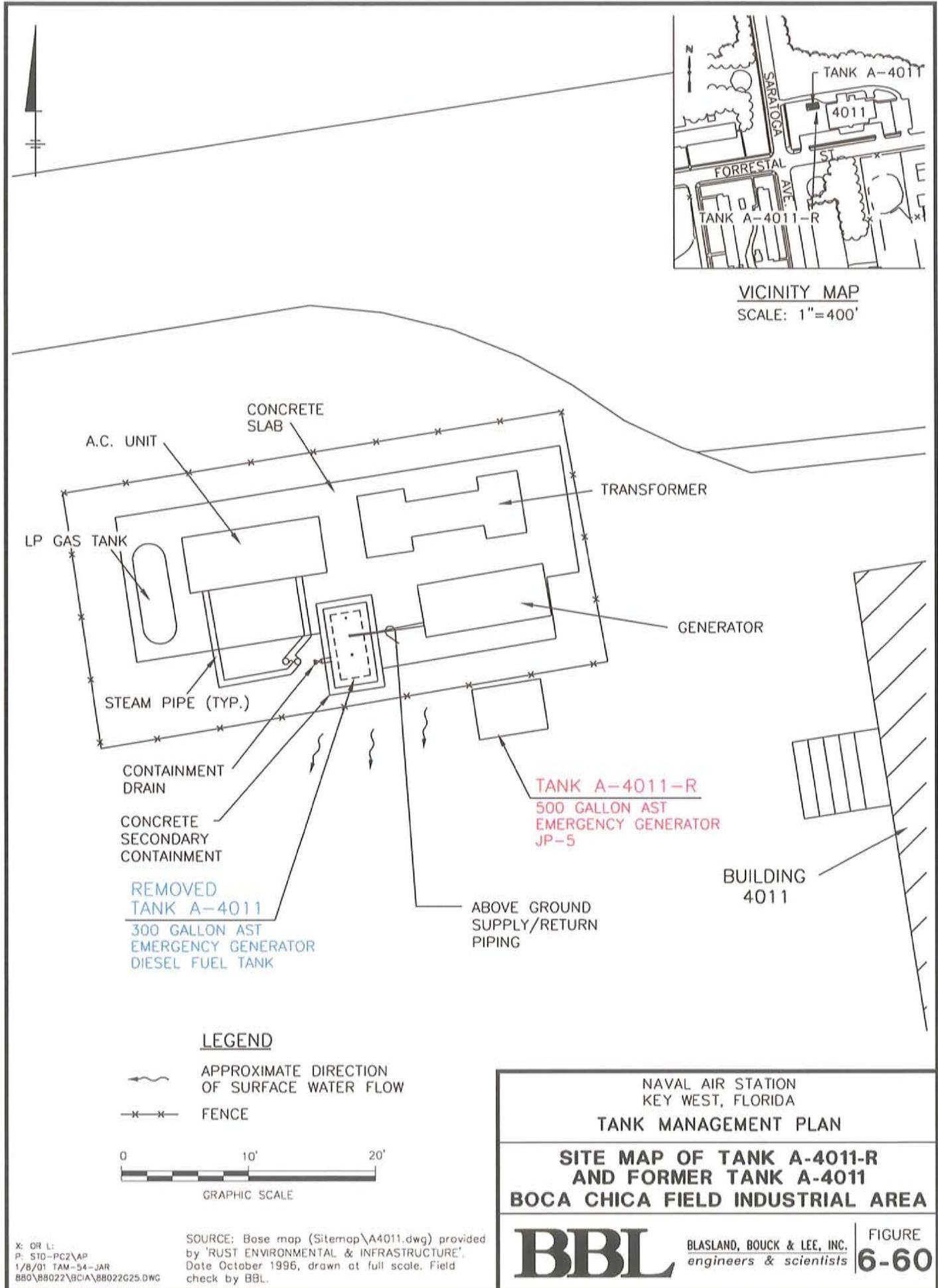
6.3.35.3 Regulatory Compliance Requirements

Tank A-4011-R

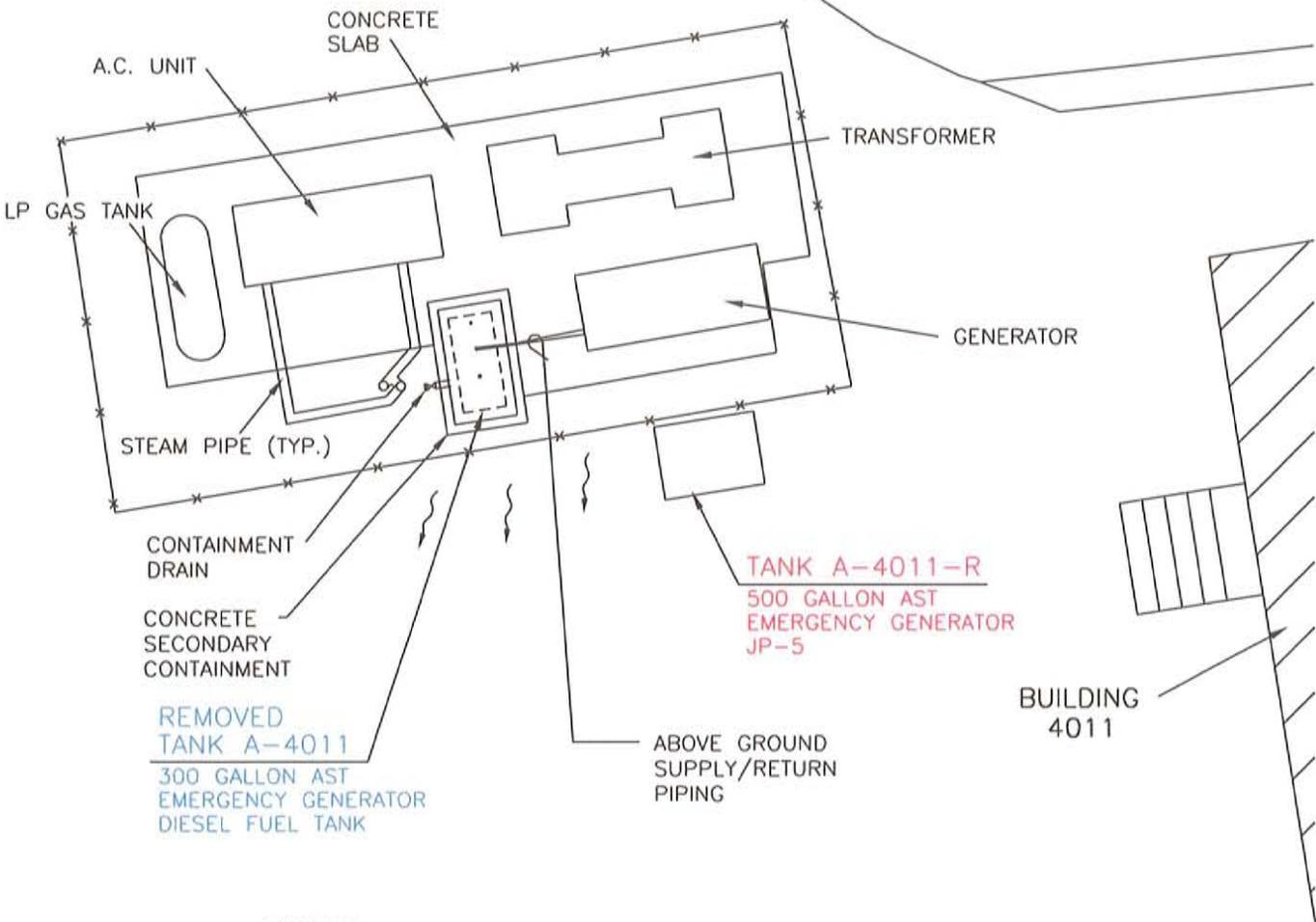
Remove stenciled name A-314 from tank and label correctly.

Closed Tank A-4011

None.

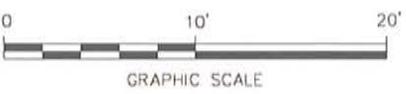


VICINITY MAP
SCALE: 1"=400'



LEGEND

- ~ ~ ~ APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- x-x- FENCE



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**SITE MAP OF TANK A-4011-R
AND FORMER TANK A-4011
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE 6-60

X: DR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
880\88022\BCIA\88022G25.DWG

SOURCE: Bose map (Sitemap\A4011.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE', Date October 1996, drawn at full scale. Field check by BBL.

6.3.36 Site A-4115 – Boca Chica Flying Club

The Boca Chica Flying Club had an AST located north of the fire station Building A-132.

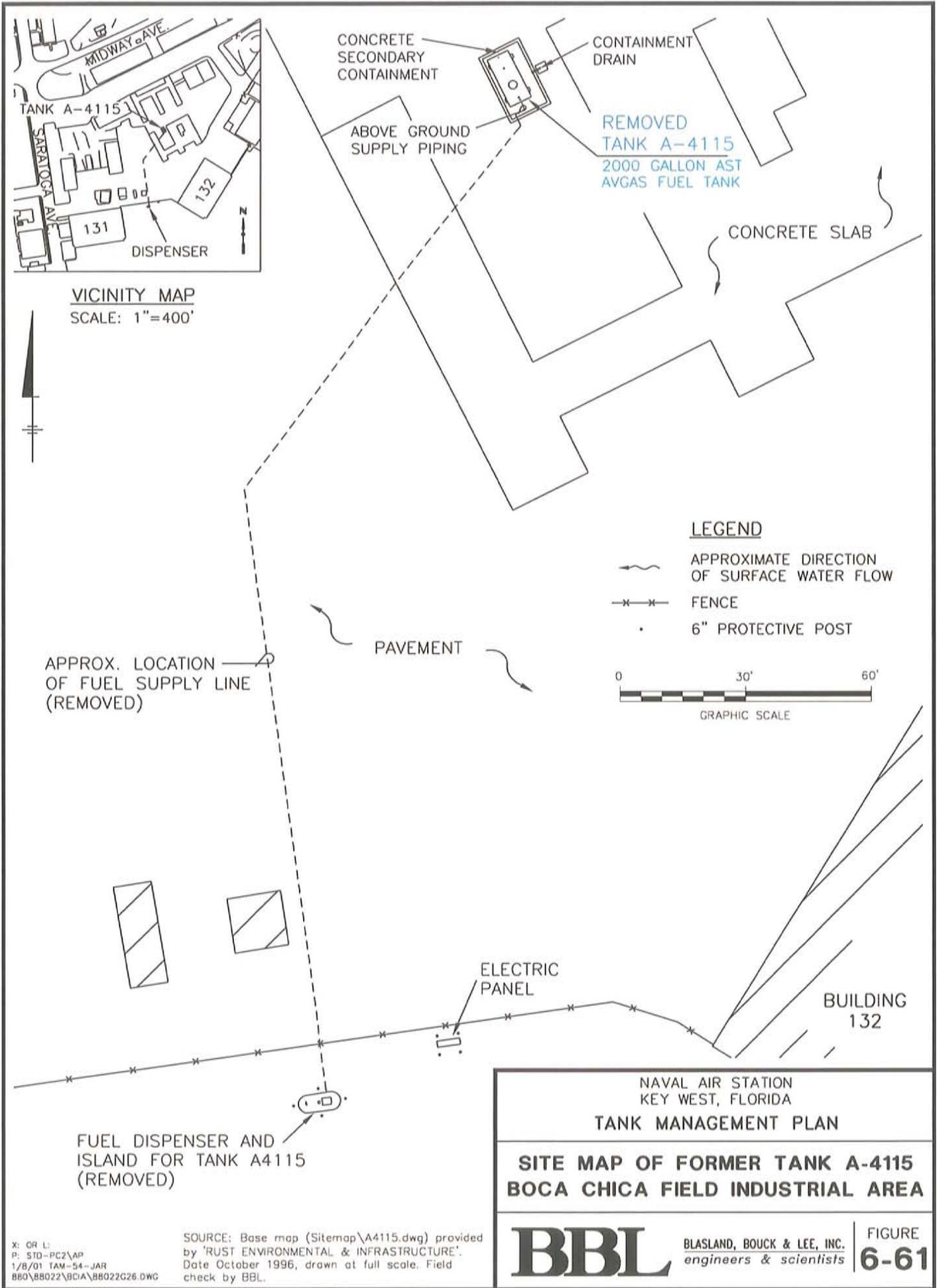
6.3.36.1 Closed Tank – A-4115

Former Tank A-4115 (**Figure 6-61**) was a 2,000-gallon AST planned to be used to store aviation gasoline (AVGAS). Fuel was never put into the system. A 2-foot, 8-inch deep valved concrete secondary containment was present at this site. The tank was closed by removal.

6.3.36.2 Regulatory Compliance Requirements

Closed Tank A-4115

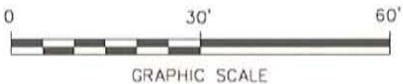
None.



VICINITY MAP
SCALE: 1"=400'

LEGEND

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE
- 6" PROTECTIVE POST



APPROX. LOCATION OF FUEL SUPPLY LINE (REMOVED)

FUEL DISPENSER AND ISLAND FOR TANK A4115 (REMOVED)

NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**SITE MAP OF FORMER TANK A-4115
BOCA CHICA FIELD INDUSTRIAL AREA**

BBL

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engineers & scientists

FIGURE
6-61

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
880\88022\BCIA\88022G26.DWG

SOURCE: Base map (Sitemap\A4115.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.
Date October 1996, drawn at full scale. Field check by BBL.

6.3.37 Site A-4173 – Boca Chica FAA Center

The FAA Center is located east of Saratoga Avenue.

6.3.37.1 Existing Tank – A-4173

Tank A-4173, a vaulted 2,000-gallon AST, is located east of Saratoga Avenue on the south side of Building A-4173. (Figure 6-62). JP-5 is stored to supply fuel to emergency generators to power transformers. The tank is a vaulted remote system equipped with tank level gauges.

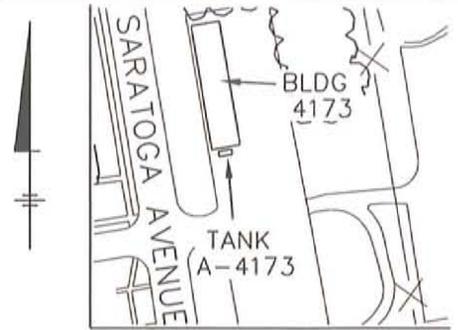
Tank A-4173

Tank ID A-4173	
Year of Installation	1998
Size	2,000-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Regulated; FAC 62-761
Status	In-Service
Tank Construction	Vaulted Double-walled Overfill protection – level gauges, high level alarms
Piping	Aboveground Suction piping system
Leak Detection	Interstitial space of double-walled tank SPCC Plan Visual inspection of AST systems Remote monitoring, alarm

6.3.37.2 Regulatory Compliance Requirements

Tank A-4173

None.



VICINITY MAP
SCALE: 1"=200'

SARATOGA AVENUE

FAA CENTER
BLDG 4173



TANK A-4173
2000 GALLON AST
JP-5, VAULTED
REMOTE MONITORED SYSTEM

NOT TO SCALE

NOTE: PRECISE LOCATION OF TANKS UNKNOWN.

NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

SITE MAP OF TANK A-4173
BOCA CHICA FIELD INDUSTRIAL AREA

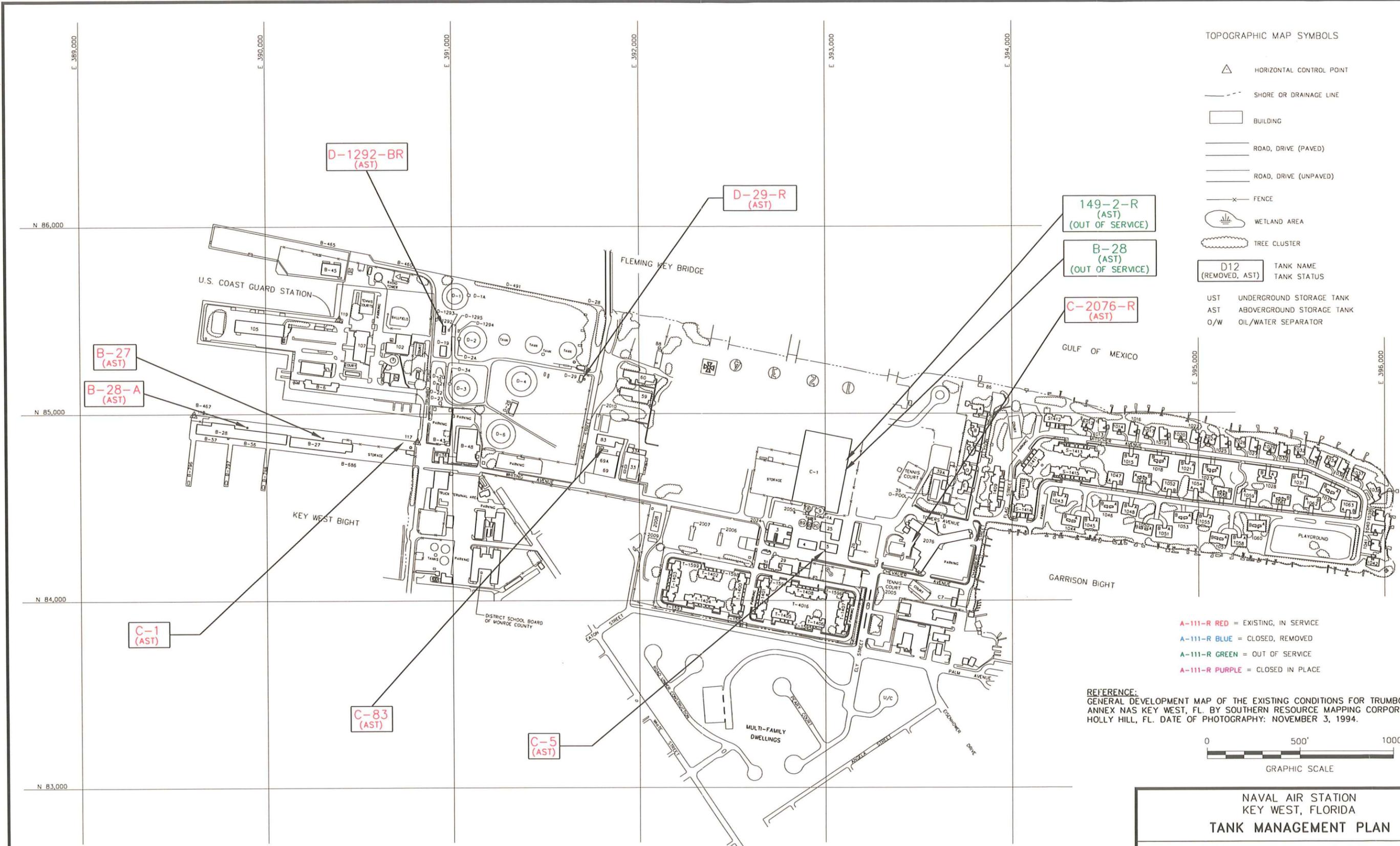
BBL

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FIGURE
6-62

6.4 Trumbo Point

Trumbo Point is located at the northwestern portion of Key West, south of Fleming Key. General site maps are provided as **Figures 6-63 through 6-65**.



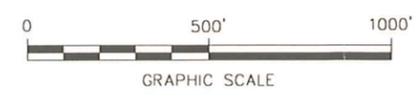
TOPOGRAPHIC MAP SYMBOLS

- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER
- | | |
|--|-------------|
| | TANK NAME |
| | TANK STATUS |
- UST UNDERGROUND STORAGE TANK
- AST ABOVEGROUND STORAGE TANK
- O/W OIL/WATER SEPARATOR



- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

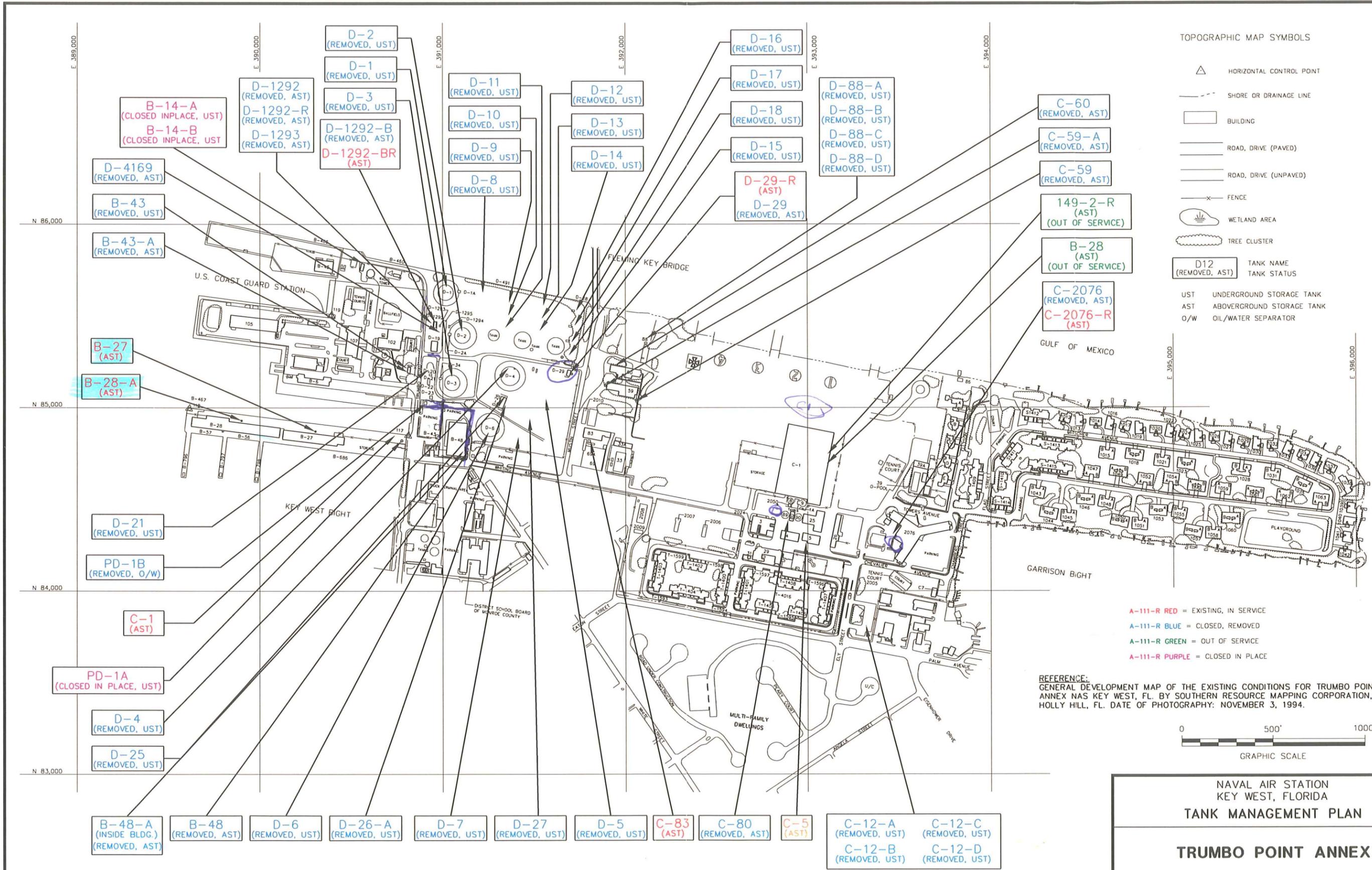
REFERENCE:
 GENERAL DEVELOPMENT MAP OF THE EXISTING CONDITIONS FOR TRUMBO POINT ANNEX NAS KEY WEST, FL. BY SOUTHERN RESOURCE MAPPING CORPORATION, HOLLY HILL, FL. DATE OF PHOTOGRAPHY: NOVEMBER 3, 1994.



NAVAL AIR STATION
 KEY WEST, FLORIDA
TANK MANAGEMENT PLAN
TRUMBO POINT ANNEX
(EXISTING TANKS)

BLASLAND, BOUCK & LEE, INC.
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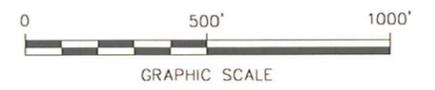
FIGURE
6-64



- TOPOGRAPHIC MAP SYMBOLS
- HORIZONTAL CONTROL POINT
 - SHORE OR DRAINAGE LINE
 - BUILDING
 - ROAD, DRIVE (PAVED)
 - ROAD, DRIVE (UNPAVED)
 - FENCE
 - WETLAND AREA
 - TREE CLUSTER
 - TANK NAME
TANK STATUS
 - UST UNDERGROUND STORAGE TANK
 - AST ABOVEGROUND STORAGE TANK
 - O/W OIL/WATER SEPARATOR

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:
GENERAL DEVELOPMENT MAP OF THE EXISTING CONDITIONS FOR TRUMBO POINT ANNEX NAS KEY WEST, FL. BY SOUTHERN RESOURCE MAPPING CORPORATION, HOLLY HILL, FL. DATE OF PHOTOGRAPHY: NOVEMBER 3, 1994.



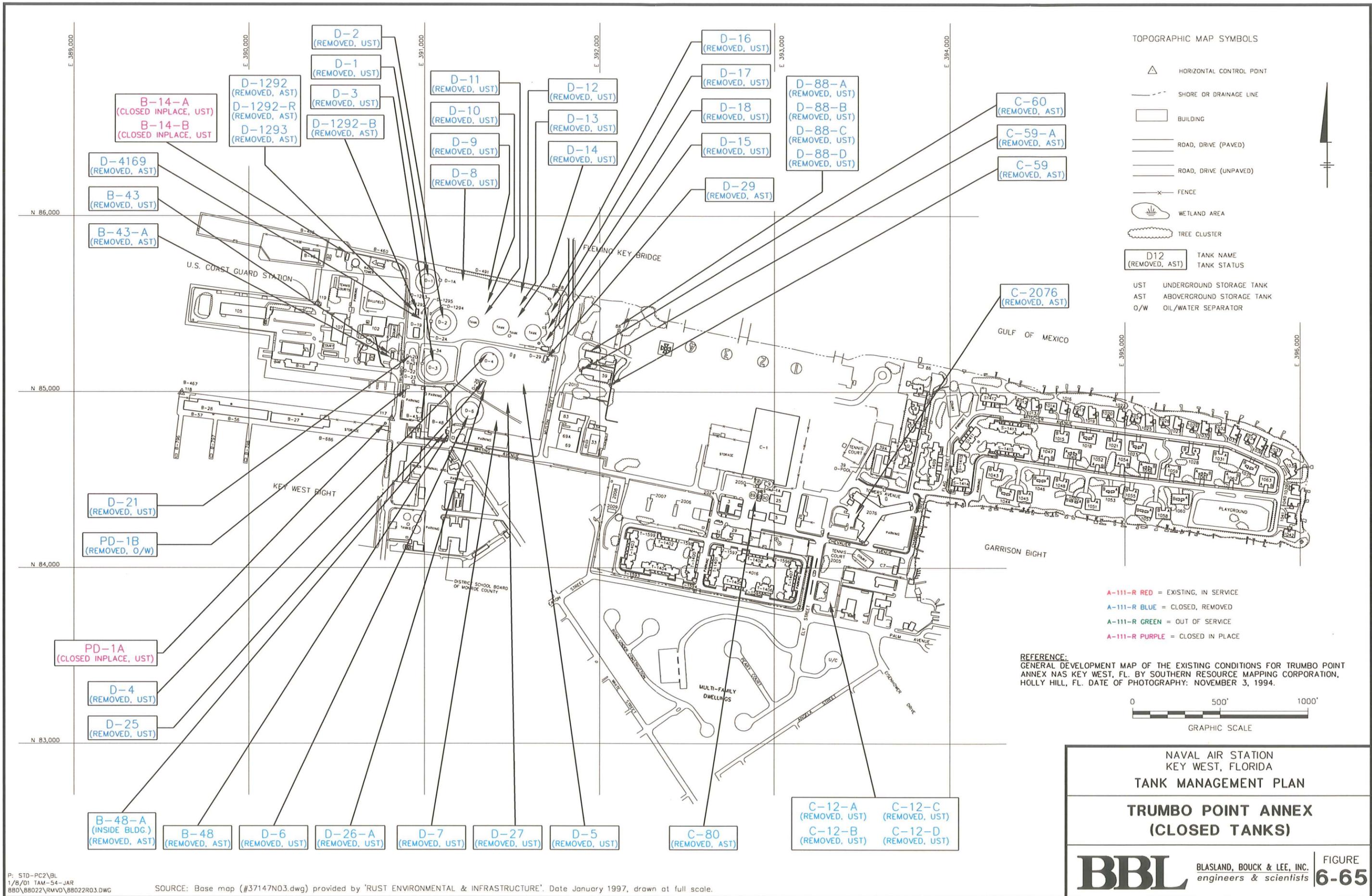
NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

TRUMBO POINT ANNEX

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FIGURE
6-63



6.4.1 Site B-14 – Trumbo Point Gasoline Pumping Station Building B-14

Building B-14, a closed gasoline pumping station, is found on Pier D-3 at the Trumbo Point Annex. The Gulf of Mexico surrounds Pier D-3 to the north, south and west. The Trumbo Point Tank Farm is found to the east.

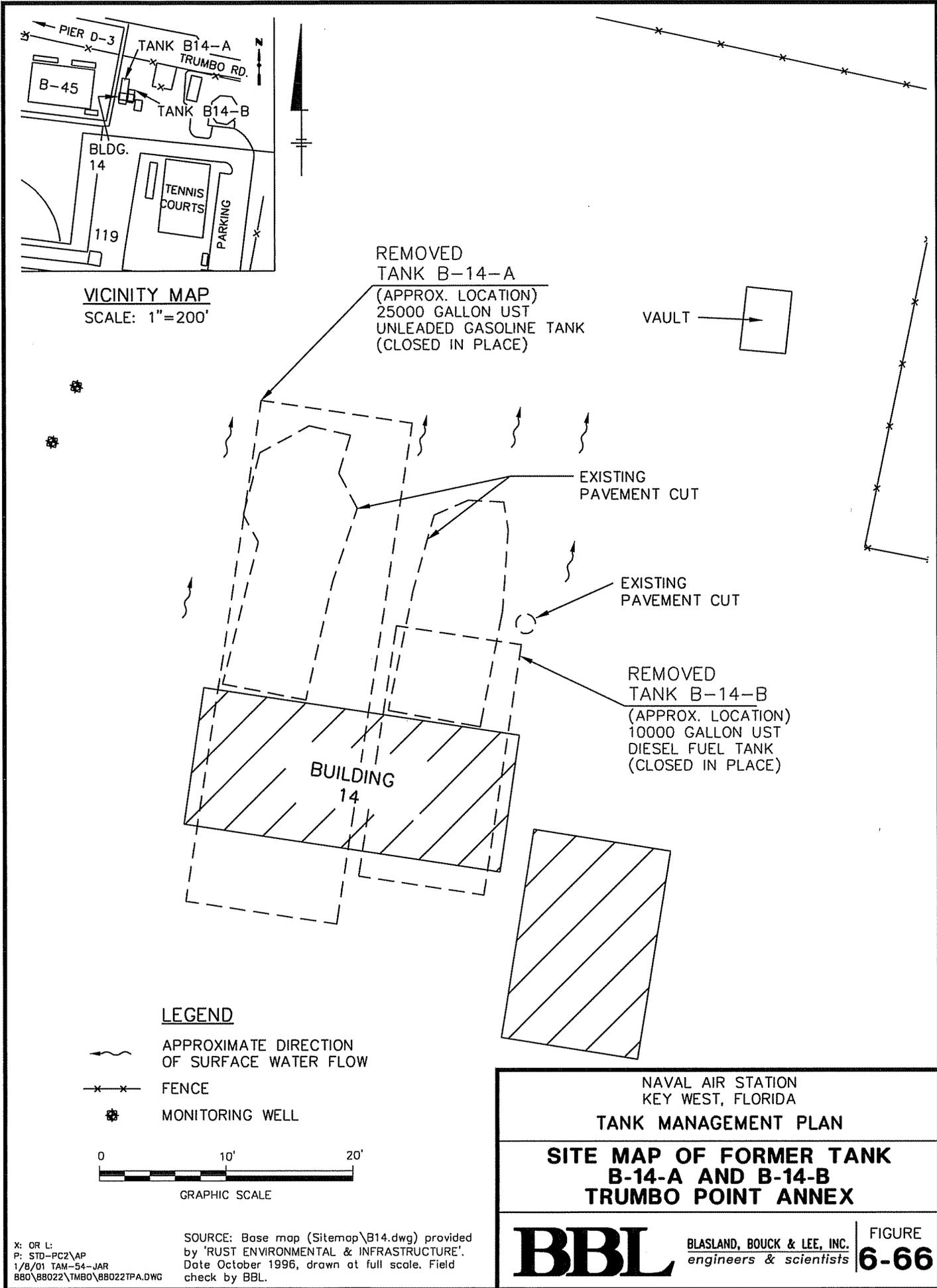
6.4.1.1 Closed Tanks – B-14-A, B-14-B

Former Tank B-14-A was a 25,000-gallon and former Tank B-14-B was a 10,000-gallon UST (**Figure 6-66**). The tanks previously contained vehicular diesel. On July 31, 1995, these tanks were closed in place by removing a section of the tank's top, cleaning the tanks, and filling the tanks with an inert material. The site is currently under assessment.

6.4.1.2 Regulatory Compliance Requirements

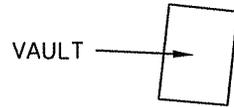
Closed Tanks B-14-A, and B-14-B

None.



VICINITY MAP
SCALE: 1"=200'

REMOVED
TANK B-14-A
(APPROX. LOCATION)
25000 GALLON UST
UNLEADED GASOLINE TANK
(CLOSED IN PLACE)



EXISTING
PAVEMENT CUT

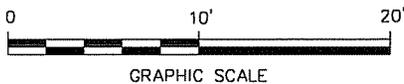
EXISTING
PAVEMENT CUT

REMOVED
TANK B-14-B
(APPROX. LOCATION)
10000 GALLON UST
DIESEL FUEL TANK
(CLOSED IN PLACE)

BUILDING
14

LEGEND

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE
- MONITORING WELL



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**SITE MAP OF FORMER TANK
B-14-A AND B-14-B
TRUMBO POINT ANNEX**

BBL

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engineers & scientists

FIGURE
6-66

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
880\88022\TMB0\88022TPA.DWG

SOURCE: Base map (Sitemap\B14.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

6.4.2 Site B-27 – Trumbo Point Ordinance Research/Development Building B-27

Building B-27, the Ordinance Research/Development building, is located on Pier D-1. Pier D-1 extends westerly into the Gulf of Mexico and abuts Trumbo Point Annex to the east.

6.4.2.1 Existing Tank – B-27

Tank B-27 is a 150-gallon JP-5 generator fuel tank mounted in the base of the emergency generator for Building B-27 (Figure 6-67). The generator is used as a backup power source in case of an electrical outage. New secondary containment exists for this tank.

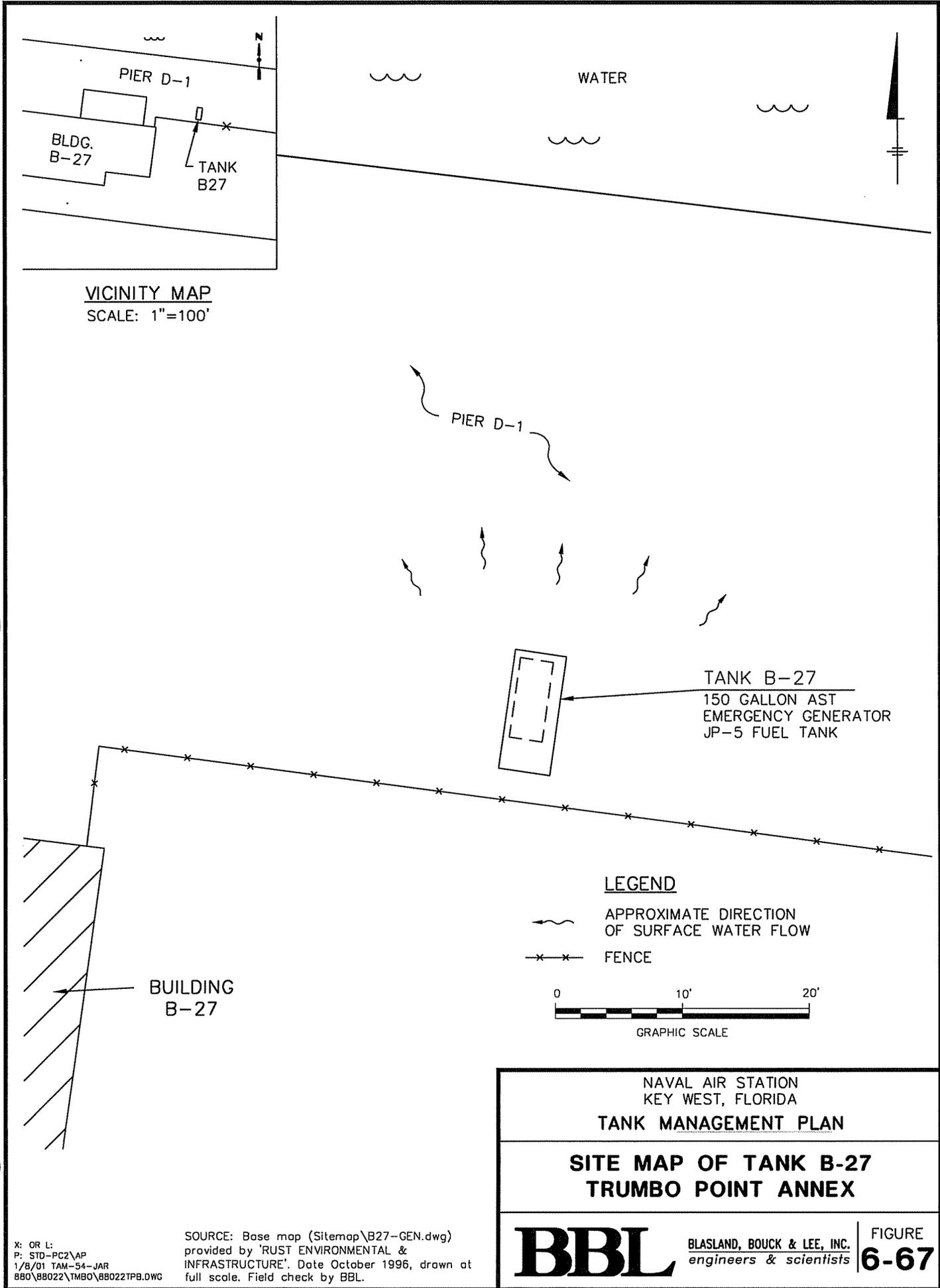
Tank B-27

Tank ID B-27	
Year of Installation	1975
Size	150-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Single-walled painted steel Secondary containment
Piping	Aboveground rubber hose
Leak Detection	SPCC Plan Visual inspection of AST systems

6.4.2.2 Regulatory Compliance Requirements

Tank B-27

None.



X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
880\88022\TMBO\88022TPB.DWG

SOURCE: Base map (Sitemap\B27-GEN.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

6.4.3 Site B-28 – Trumbo Point Ordinance Research/Development Building 28

Building B-28, the Ordinance Research/Development building, is located on Pier D-1. Pier D-1 extends westerly into the Gulf of Mexico and abuts Trumbo Point Annex to the east.

6.4.3.1 Existing Tank – B-28-A

Tank B-28-A is a 150-gallon diesel JP-5 AST mounted in the base of the emergency generator for Building B-28 (Figure 6-68). The generator is used as a backup power source in the case of electrical outages. Secondary containment exists for this tank.

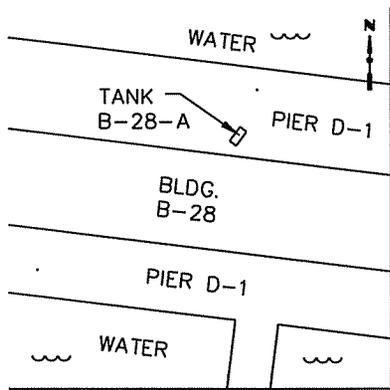
Tank B-28-A

Tank ID B-28-A	
Year of Installation	1976
Size	150-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	In-Service
Tank Construction	Single-walled aluminum on supports Secondary containment
Piping	Aboveground rubber hose
Leak Detection	SPCC Plan Visual inspection of AST systems

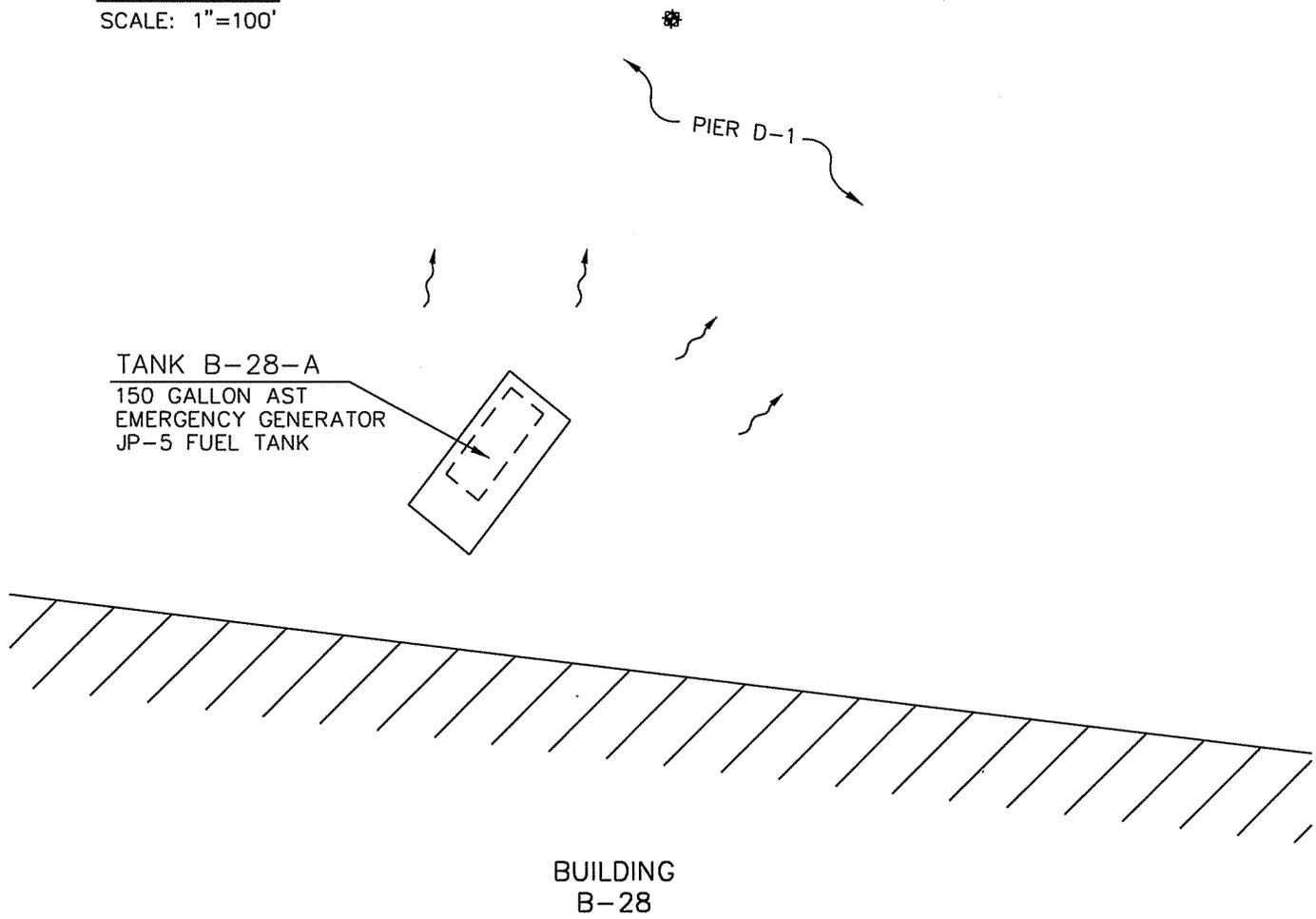
6.4.3.2 Regulatory Compliance Requirements

Tank B-28-A

None.

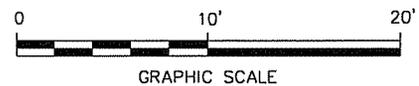


VICINITY MAP
SCALE: 1"=100'



LEGEND

-  APPROXIMATE DIRECTION OF SURFACE WATER FLOW
-  MONITORING WELL



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**SITE MAP OF TANK B-28-A
TRUMBO POINT ANNEX**

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-68

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
880\88022\TMO\88022TPC.DWG

SOURCE: Base map (Sitemap\B28-GEN.dwg)
provided by 'RUST ENVIRONMENTAL &
INFRASTRUCTURE'. Date October 1996, drawn at
full scale. Field check by BBL.

6.4.4 Site B-43 – Trumbo Point Potable Water Pump Station Building B-43

The potable water pump station B-43 is located on Trumbo Road west of the Trumbo Point Tank Farm.

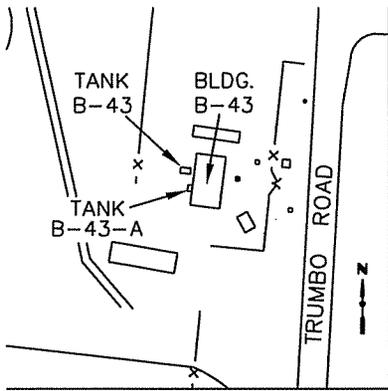
6.4.4.1 Closed Tanks – B-43, B-43-A

Two fuel storage tanks, Tank B-43 and Tank B-43-A have been removed from this site (**Figure 6-69**). Former Tank B-43 was a 280-gallon UST located west of Building B-43. Leaded gasoline fuel was stored in this tank and was used as a backup power source for the station's water pumps. Former Tank B-43-A was a 50-gallon AST mounted to the southwest wall of Building B-43. This tank had no secondary containment and also stored leaded gasoline fuel. Both tanks were closed by removal on January 27, 1997. The site is currently under remediation.

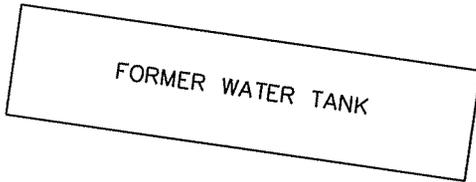
6.4.4.2 Regulatory Compliance Requirements

Closed Tanks B-43 and B-43-A

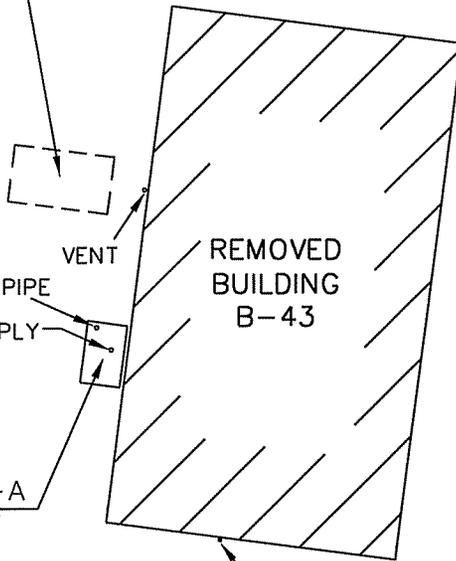
None.



VICINITY MAP
SCALE: 1"=100'

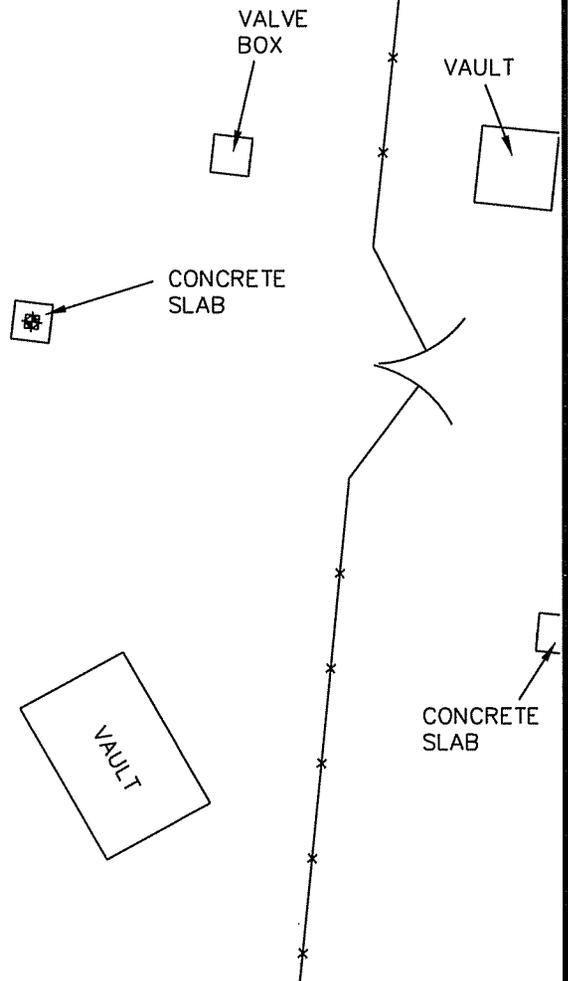


REMOVED
TANK B-43
(APPROX. LOCATION)
280 GALLON UST
LEADED GASOLINE
FUEL TANK



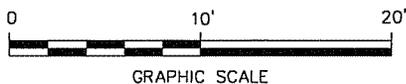
REMOVED
TANK B-43-A
50 GALLON AST
TANK

VENT



LEGEND

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE
- MONITORING WELL



SOURCE: Base map (Sitemap\B43.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.
Date October 1996, drawn at full scale. Field check by BBL.

X: OR L:
P: NAVY-AP,PCZ
2/19/01 TAM-54-JAR
880\88022\TMO\88022TPD.DWG

NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

**SITE MAP OF FORMER
TANKS B-43 AND B-43-A
TRUMBO POINT ANNEX**

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE **6-69**

6.4.5 Site B-48 – Trumbo Point CAAC and Photo Lab/Hurricane Shelter Building B-48

The CAAC and Photo Lab, Building B-48, are located on the corner of Trumbo Road and Whiting Avenue. The Trumbo Point Tank Farm is found to the north of Building B-48.

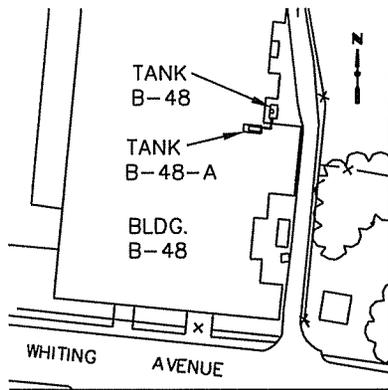
6.4.5.1 Closed Tanks – B-48, B-48-A

Tank B-48, a 500-gallon AST was located on the east side of this facility. JP-5 was stored in Tank B-48 to be used to fuel an emergency generator found inside this building. Tank B-48-A was a 150-gallon JP-5 AST mounted in the base of the emergency generator for Building B-48. The generator was used as a backup power source in the case of electrical outages. **Figure 6-70** represents the former locations of the tanks. On April 19, 1997, Tank B-48 was closed by removal. A Closure Report was submitted. No environmental concerns remain. Tank B-48-A was closed by removal, date unknown. No secondary containment existed at the site.

6.4.5.2 Regulatory Compliance Requirements

Tanks B-48 and B-48-A

None.



VICINITY MAP
SCALE: 1"=100'



REMOVED
TANK B-48
500 GALLON AST
EMERGENCY GENERATOR
DIESEL FUEL TANK

TANK ACCESS

ABOVE GROUND
SUPPLY/RETURN
PIPING

VENT

REMOVED
TANK B-48-A
150 GALLON AST
EMERGENCY GENERATOR
DIESEL FUEL TANK

BUILDING
B-48

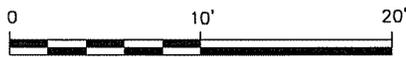
CONCRETE
SLAB

D
R
I
V
E
A
Y
W
E

LEGEND

APPROXIMATE DIRECTION OF SURFACE WATER FLOW

FENCE



GRAPHIC SCALE

NAVAL AIR STATION
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

**SITE MAP OF FORMER
TANKS B-48 AND B-48-A
TRUMBO POINT ANNEX**

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-70

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
880\88022\TMO\88022TPE.DWG

SOURCE: Base map (Sitemap\B48.dwg) provided
by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.
Date October 1996, drawn at full scale. Field
check by BBL.

6.4.6 Site C-5 – Trumbo Point Annex Fire Station Building C-5

The Trumbo Point Annex Fire Station, Building C-5, is located on Chevalier Avenue. This facility provides fire protection for Trumbo Point Annex.

6.4.6.1 Existing Tank – C-5

Tank C-5 is a 30-gallon JP-5 tank mounted to the base of the fire station's emergency generator (**Figure 6-71**). The generator is currently out-of-service and in poor condition. Formerly, when in operation, the generator supplied backup power for Building C-5. Tank C-5 does not have secondary containment.

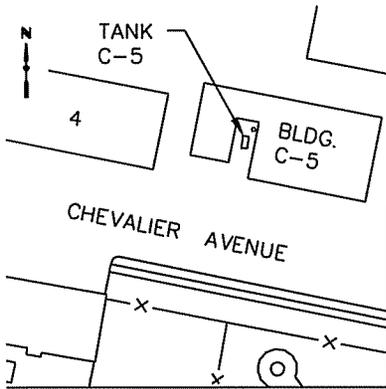
Tank C-5

Tank ID C-5	
Year of Installation	1976
Size	30-gallons
Contents	JP-5
Regulated - Federal	Regulated; 40 CFR 112
Regulated - Florida	Unregulated
Status	Out-of-service
Tank Construction	Single-walled steel
Piping	Data not available
Leak Detection	None; required

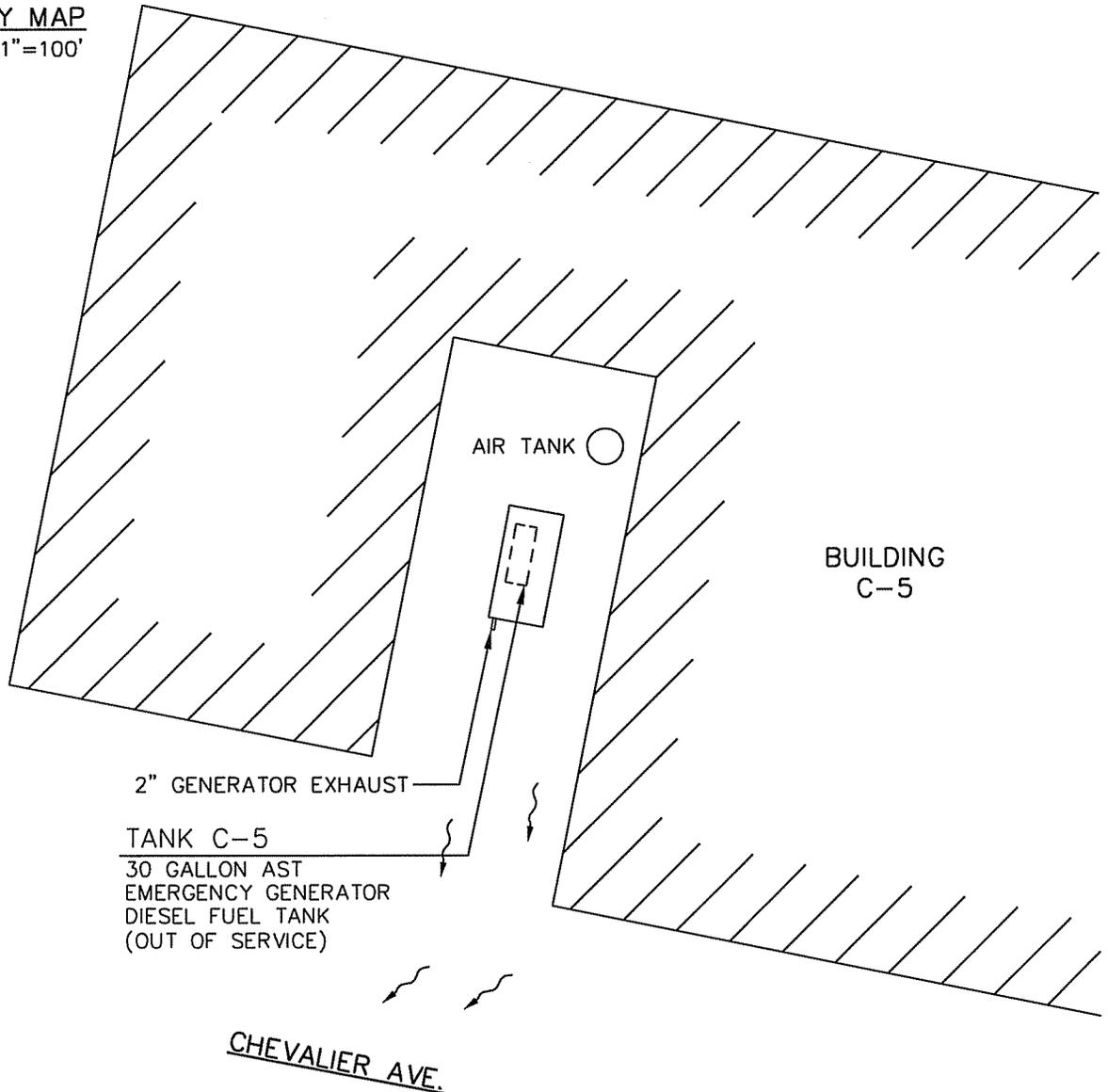
6.4.6.2 Regulatory Compliance Requirements

Tank C-5

System is broken and in poor repair. Suggest closing the tank.

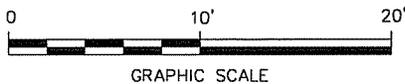


VICINITY MAP
SCALE: 1"=100'



LEGEND

~ ~ ~ ~ ~
APPROXIMATE DIRECTION
OF SURFACE WATER FLOW



SOURCE: Base map (Sitemap\C5-GEN.dwg)
provided by 'RUST ENVIRONMENTAL &
INFRASTRUCTURE'. Date October 1996, drawn at
full scale. Field check by BBL.

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
880\88022\TMO\88022TPJ.DWG

NAVAL AIR STATION KEY WEST, FLORIDA TANK MANAGEMENT PLAN	
SITE MAP OF TANK C-5 TRUMBO POINT ANNEX	
BBL BLASLAND, BOUCK & LEE, INC. <i>engineers & scientists</i>	FIGURE 6-71

6.4.7 Site C-12 – Trumbo Point Annex Naval Exchange Service Station

The Trumbo Point Annex NEX Service Station has been demolished.

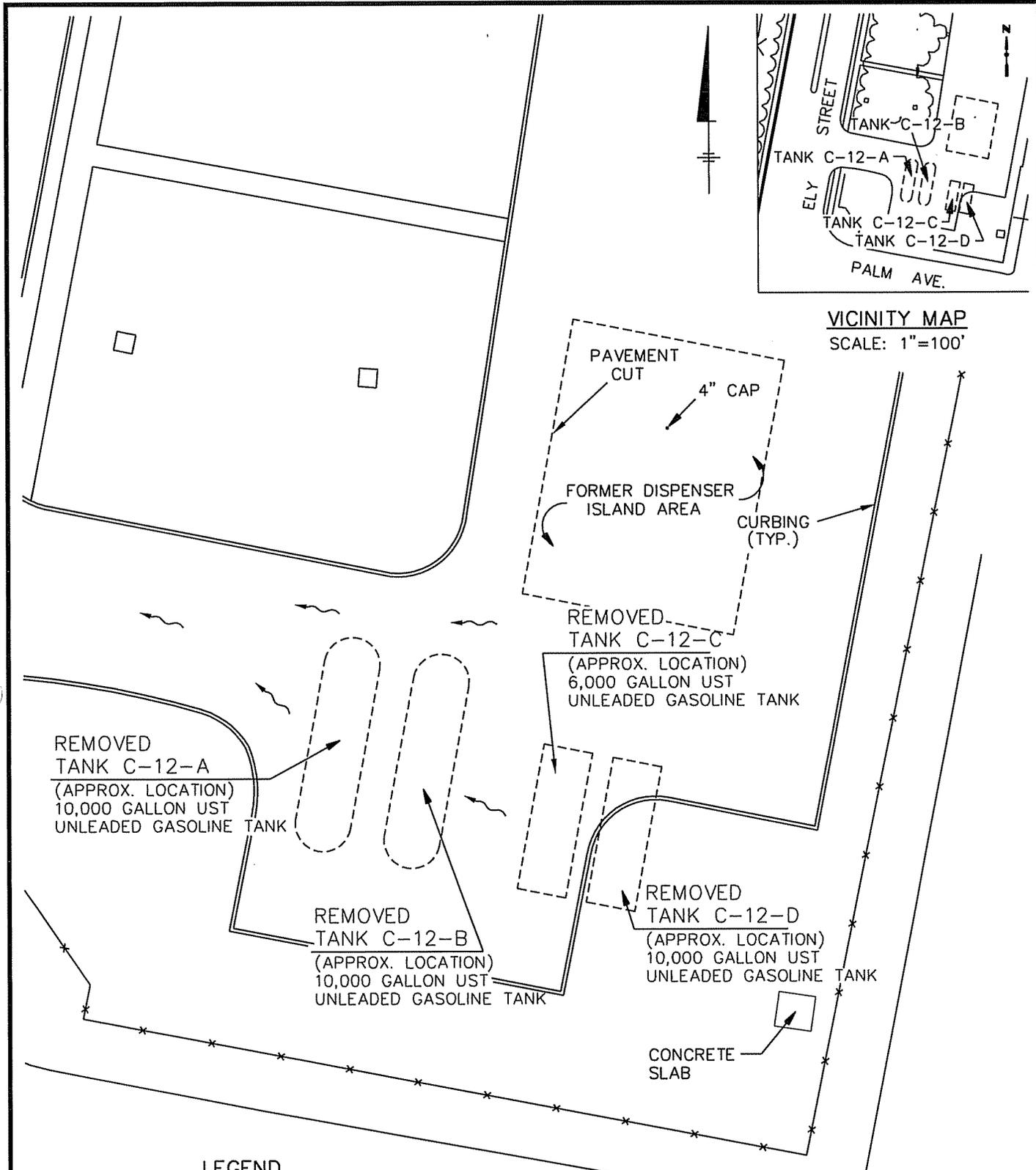
6.4.7.1 Closed Tanks – C-12-A, C-12-B, C-12-C, C-12-D

Four abandoned USTs were closed by removed on July 30, 1996 (**Figure 6-72**). The former service station site was located west of the Trumbo Point Annex main entrance guard house. A paved parking lot covers the abandoned tanks and a large portion of the service station site. Tanks C-12-A, C-12-B, and C-12-D were 10,000-gallon tanks that previously contained vehicular gasoline. Tank C-12-C was a 6,000-gallon tanks that also contained vehicular gasoline. A CAR was submitted to DEP for this site. DEP issued NFA for the site on August 28, 1998.

6.4.7.2 Regulatory Compliance Requirements

Closed Tanks C-12-A, C-12-B, C-12-C and C-12-D

None.



VICINITY MAP
SCALE: 1"=100'

REMOVED
TANK C-12-A
(APPROX. LOCATION)
10,000 GALLON UST
UNLEADED GASOLINE TANK

REMOVED
TANK C-12-B
(APPROX. LOCATION)
10,000 GALLON UST
UNLEADED GASOLINE TANK

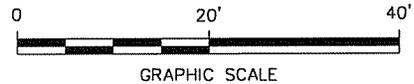
REMOVED
TANK C-12-C
(APPROX. LOCATION)
6,000 GALLON UST
UNLEADED GASOLINE TANK

REMOVED
TANK C-12-D
(APPROX. LOCATION)
10,000 GALLON UST
UNLEADED GASOLINE TANK

CONCRETE
SLAB

LEGEND

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE



NAVAL AIR STATION
KEY WEST, FLORIDA
TANK MANAGEMENT PLAN

**SITE MAP OF FORMER TANKS
C-12-A, C-12-B, C-12-C & C-12-D
TRUMBO POINT ANNEX**



BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
6-72

X: OR L:
P: STD-PC2\AP
1/8/01 TAM-54-JAR
BBO\BBO22\TMO\BBO22TPF.DWG

SOURCE: Base map (Sitemap\C12.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

6.4.8 Site C-59 – Trumbo Point Special Forces Barracks Building C-59

The Special Forces Barracks found in Building C-59 was located on Mustin Street south of the Fleming Key Bridge and east of the Trumbo Point Tank Farm. The building has been demolished. Tanks C-59 and C-59-A have been removed from this site.

6.4.8.1 Closed Tanks – C-59, C-59-A

Tank C-59

Tank C-59, found east of Building C-59, was a 300-gallon vehicular gasoline AST (**Figure 6-73**). Fuel from this tank was used to fuel Special Forces marine vehicles via polyethylene hose with a shut-off valve. Tank C-59 was found within a 1'-4" deep concrete block secondary containment. The tank was closed by removal.

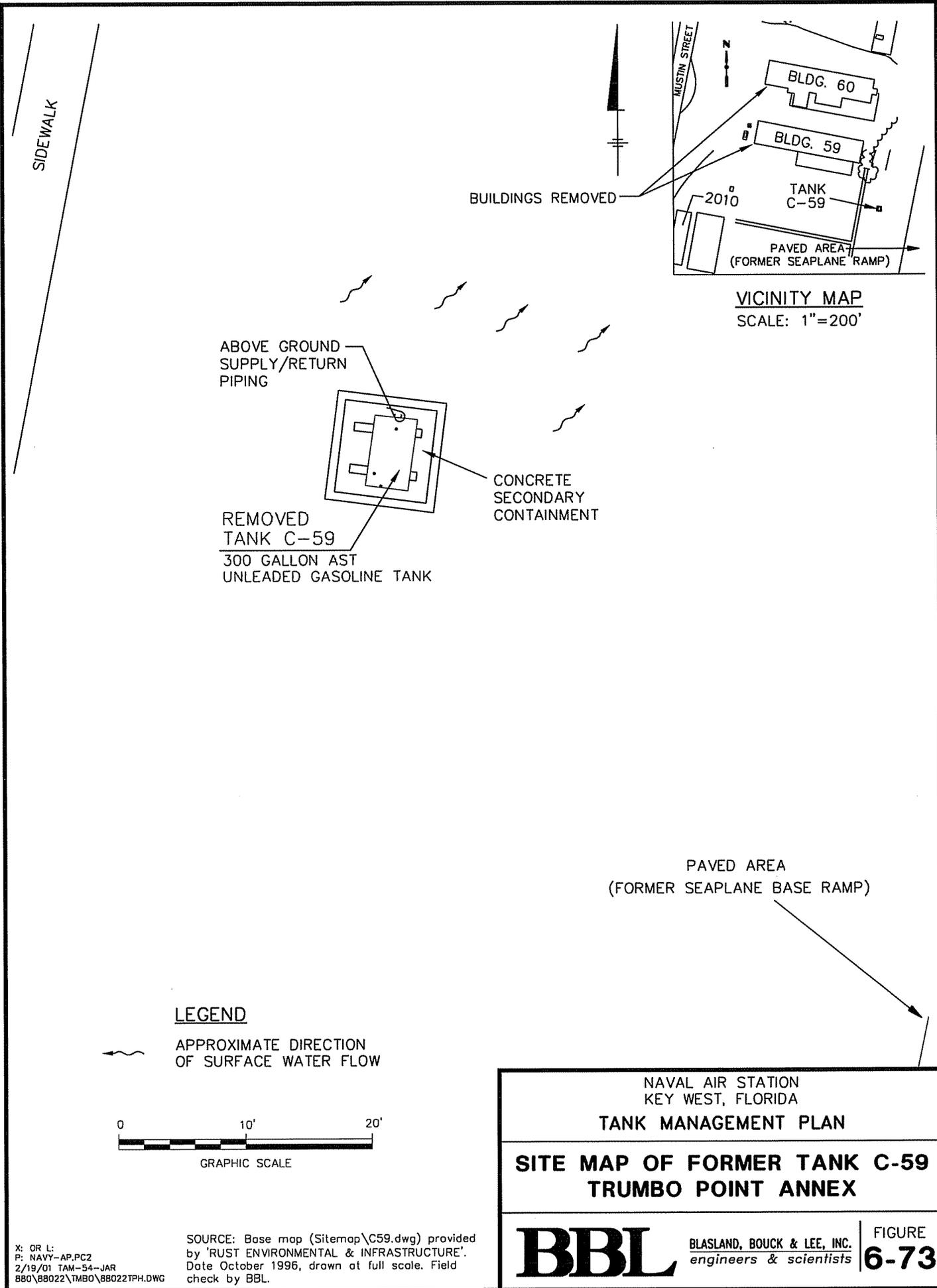
Tank C-59-A

Tank C-59-A was a 50-gallon diesel AST mounted to the base of an emergency generator located west of Building C-59 (**Figure 6-74**). This generator was used to supply power to Building C-59 during electrical outages. No secondary containment was used for tank C-59A. The tank was closed by removal.

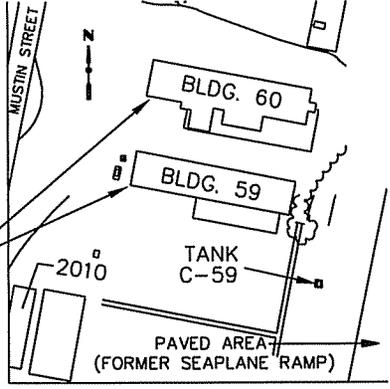
6.4.8.2 Regulatory Compliance Requirements

Closed Tanks C-59 and C-59-A

None.

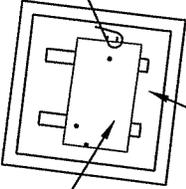


SIDEWALK



VICINITY MAP
SCALE: 1"=200'

ABOVE GROUND
SUPPLY/RETURN
PIPING



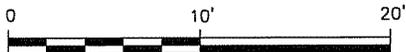
CONCRETE
SECONDARY
CONTAINMENT

REMOVED
TANK C-59
300 GALLON AST
UNLEADED GASOLINE TANK

PAVED AREA
(FORMER SEAPLANE BASE RAMP)

LEGEND

~~~~~~  
APPROXIMATE DIRECTION  
OF SURFACE WATER FLOW



GRAPHIC SCALE

NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**  
**SITE MAP OF FORMER TANK C-59**  
**TRUMBO POINT ANNEX**

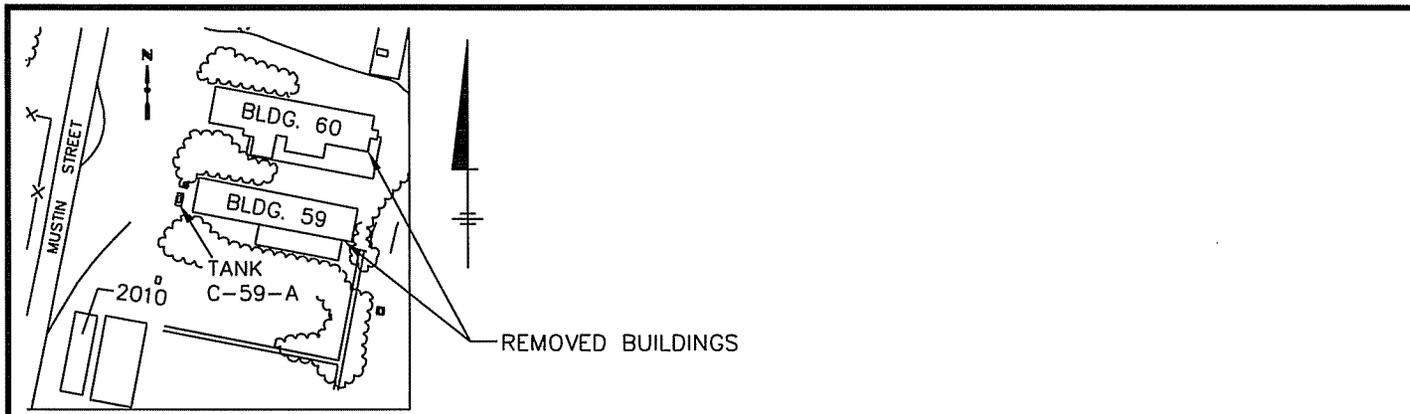


BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

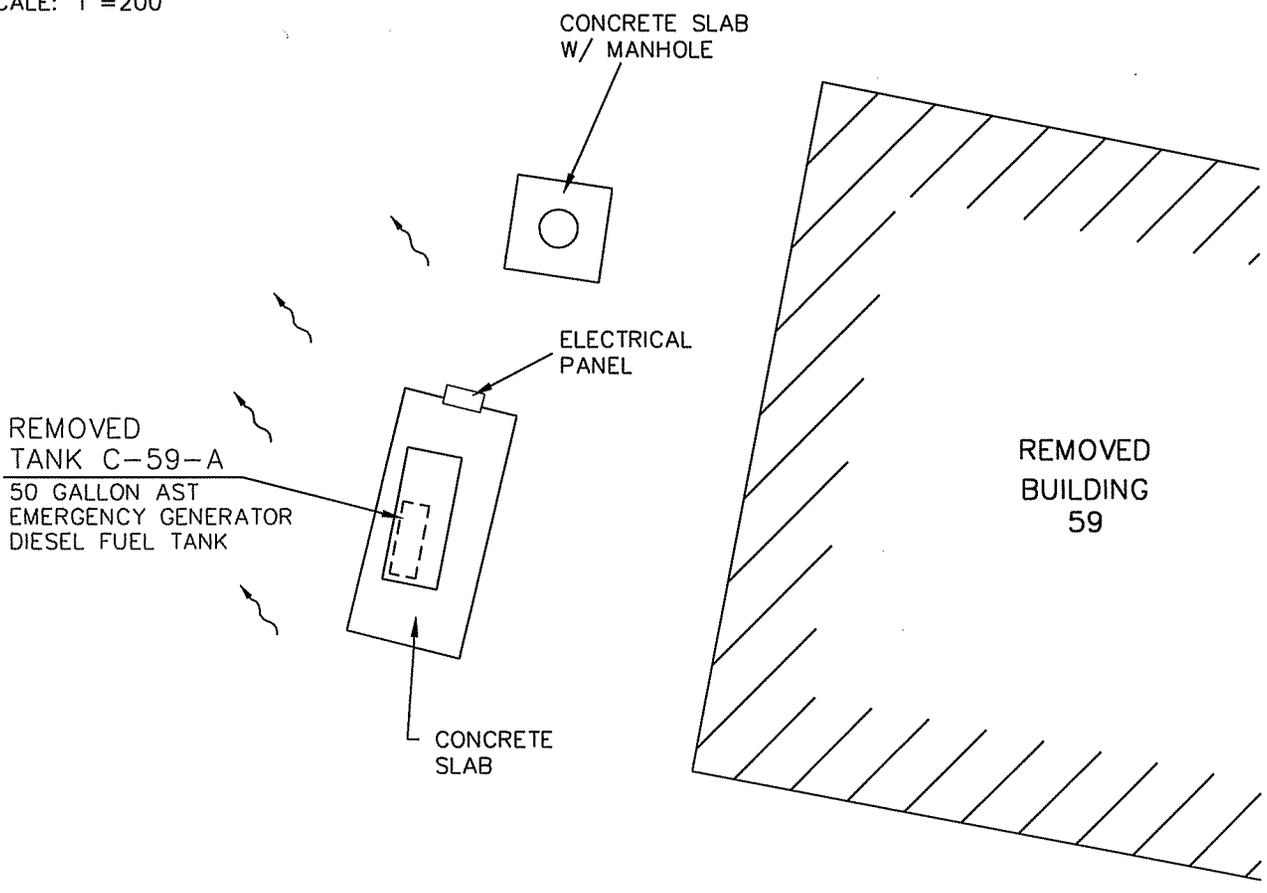
FIGURE  
**6-73**

X: QR L:  
P: NAVY-AP.PC2  
2/19/01 TAM-54-JAR  
BBO\88022\TMO\88022TPH.DWG

SOURCE: Base map (Sitemap\C59.dwg) provided  
by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.  
Date October 1996, drawn at full scale. Field  
check by BBL.

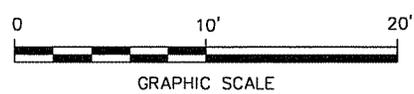


**VICINITY MAP**  
SCALE: 1"=200'



**LEGEND**

~ ~ ~ ~ ~  
APPROXIMATE DIRECTION  
OF SURFACE WATER FLOW



NAVAL AIR STATION  
KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

---

**SITE MAP OF FORMER TANK  
C-59-A - TRUMBO POINT ANNEX**

X: OR L:  
P: NAVY-AP.PC2  
2/19/01 TAM-54-JAR  
880\88022\TMO\88022TPI.DWG

SOURCE: Base map (Sitemap\C59-GEN.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-74**

#### **6.4.9 Site C-60 – Trumbo Point Special Forces Barracks**

The Special Forces Barracks was located at Building 60. Building 60 was located on Mustin Street south of the Fleming Key Bridge and east of the Trumbo Point Tank Farm. This building has been demolished.

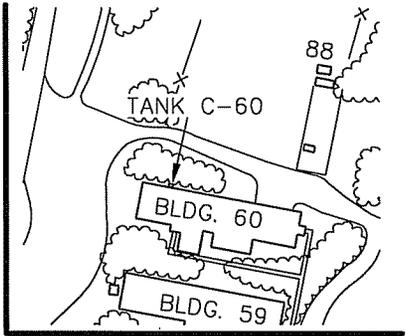
##### **6.4.9.1 Closed Tank – C-60**

Former Tank C-60 was a 275-gallon fuel oil AST used to supply the boiler (**Figure 6-75**). Tank C-60 was closed by removal on April 11, 1996. FDEP issued a NFA for the site on August 28, 1998.

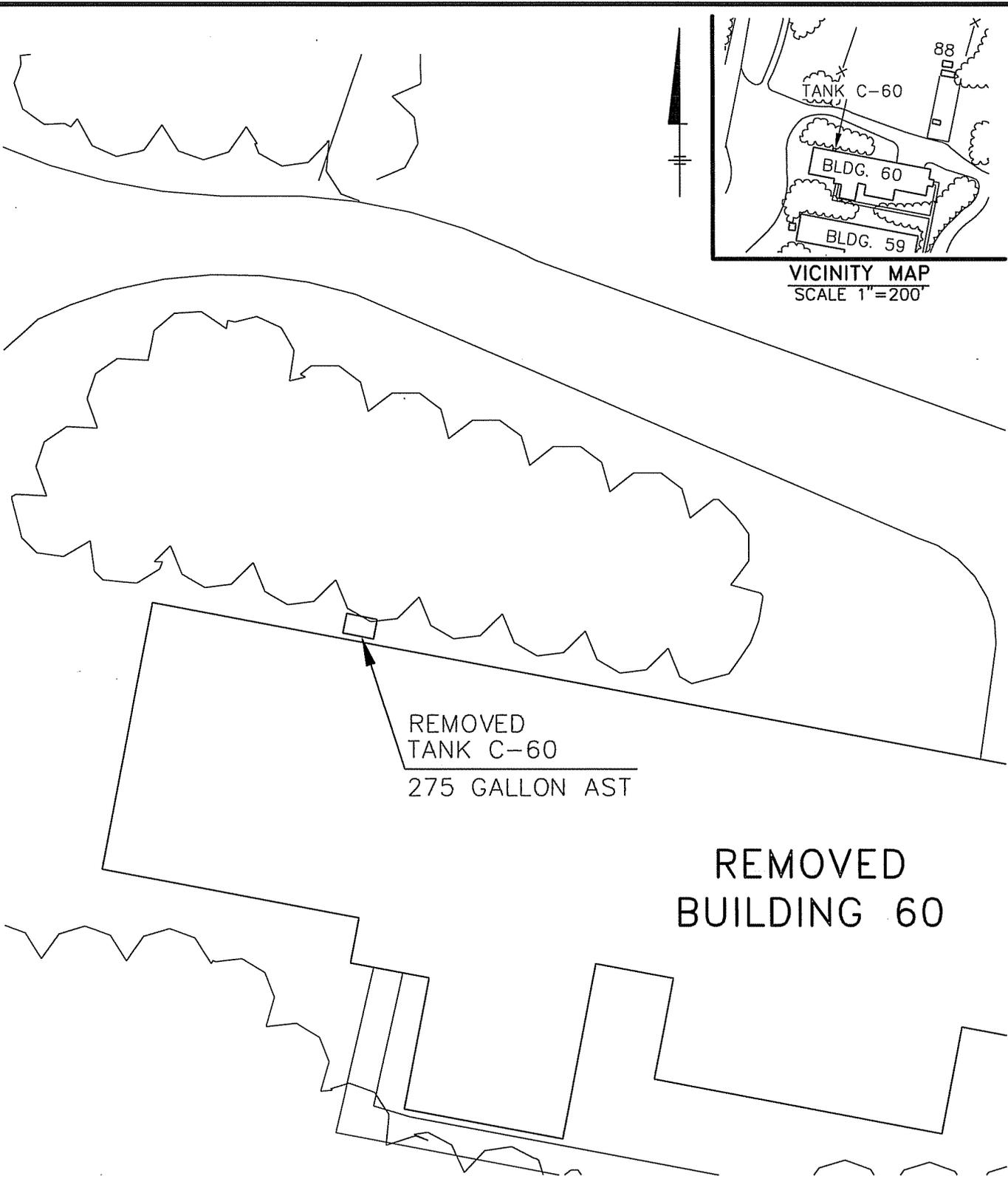
##### **6.4.9.2 Regulatory Compliance Requirements**

###### Closed Tank C-60

None.



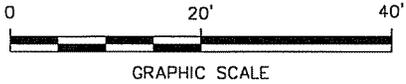
VICINITY MAP  
SCALE 1"=200'



REMOVED  
TANK C-60  
275 GALLON AST

REMOVED  
BUILDING 60

NOTE: PRECISE LOCATION OF TANKS UNKNOWN.



GRAPHIC SCALE

P: NAVY-AP.PC2  
2/19/01 TAM-54-JAR  
880\88022\TMB0\88022TPR.DWG

SOURCE: Base map (#37147N03.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale.

NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN

SITE MAP OF FORMER TANK C-60  
TRUMBO POINT ANNEX



BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
6-75

#### **6.4.10 Site C-80 – Trumbo Point Building C-80**

Trumbo Point Building C-80 is located south of Building C-1 and between water Tanks 89 and 90. The site is accessible from the east via Whiting Avenue and from the west via Chevalier Avenue.

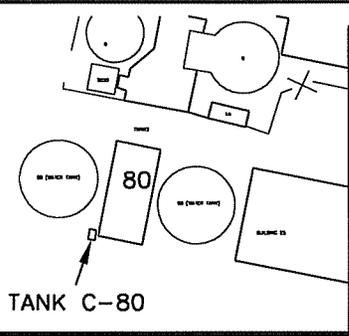
##### **6.4.10.1 Closed Tank – C-80**

Former tank C-80 was a 250-gallon fuel oil AST used to supply the boiler (**Figure 6-76**). Tank C-80 was closed by removal on April 11, 1996. FDEP issued a NFA for the site on August 28, 1998.

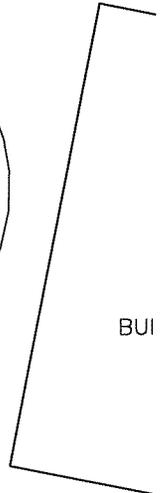
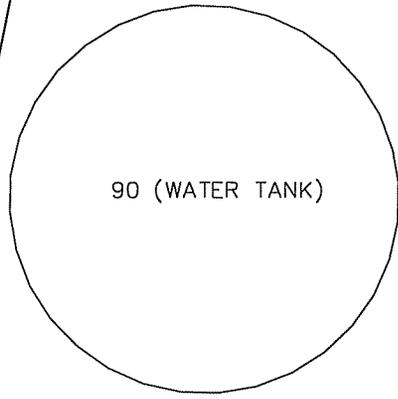
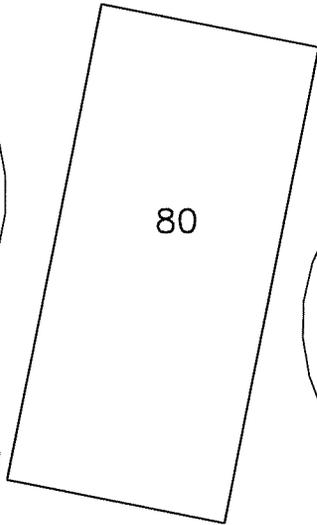
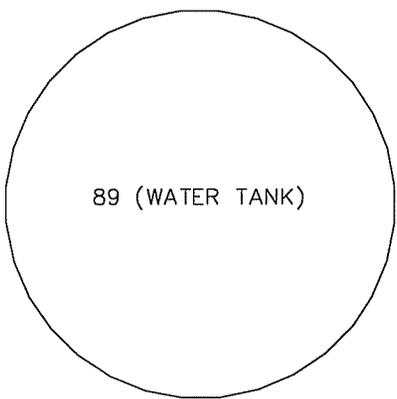
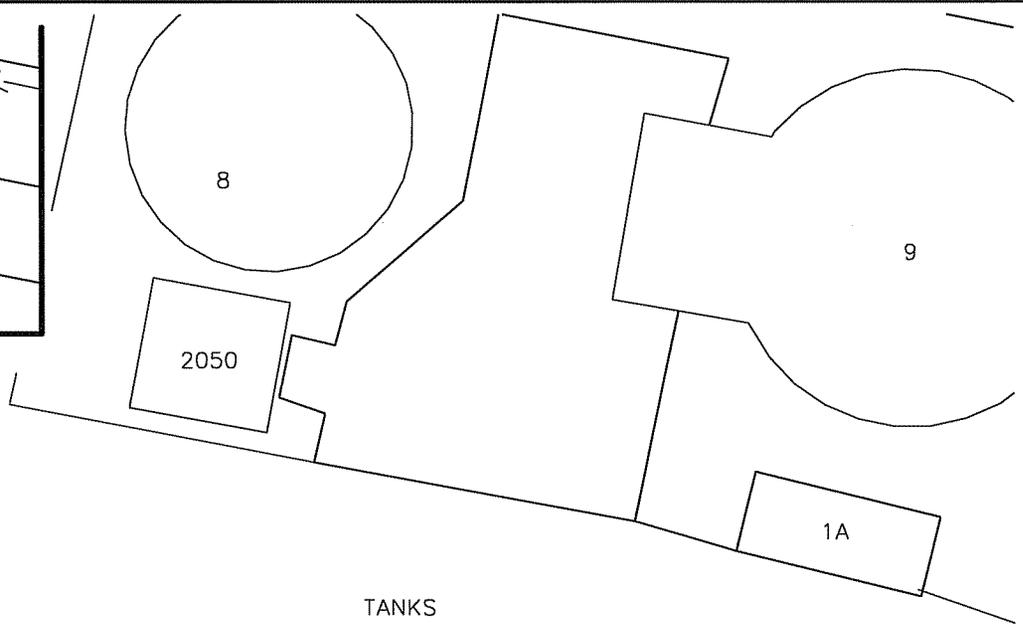
##### **6.4.10.2 Regulatory Compliance Requirements**

###### Closed Tank C-80

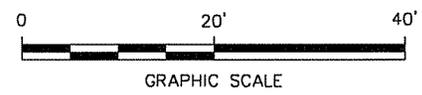
None.



VICINITY MAP  
SCALE 1"=100'



REMOVED  
TANK C-80  
250 GALLON AST  
HEATING OIL



NOTE: PRECISE LOCATION OF TANKS UNKNOWN.

NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN  
SITE MAP OF FORMER TANK C-80  
TRUMBO POINT ANNEX

P: STD-PC2\BL  
1/8/01 TAM-54-JAR  
880\88022\TMO\88022TPO.DWG

SOURCE: Base map (#37147N03.dwg) provided by  
'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date  
January 1997, drawn at full scale.

**BBL**

BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-76**

**6.4.11 Site C-83 – Trumbo Point Gymnasium – Building C-83**

A potable water pump station is located south of Building C-83 on Mustin Street.

**6.4.11.1 Existing Tank – C-83**

One 275-gallon AST resides at this site. Tank C-83 is located east of the pump station and contains JP-5 (Figure 6-77). The fuel stored in this tank supplies the facility’s pumps with an alternative fuel source if there is a power loss. Secondary containment is present around this tank.

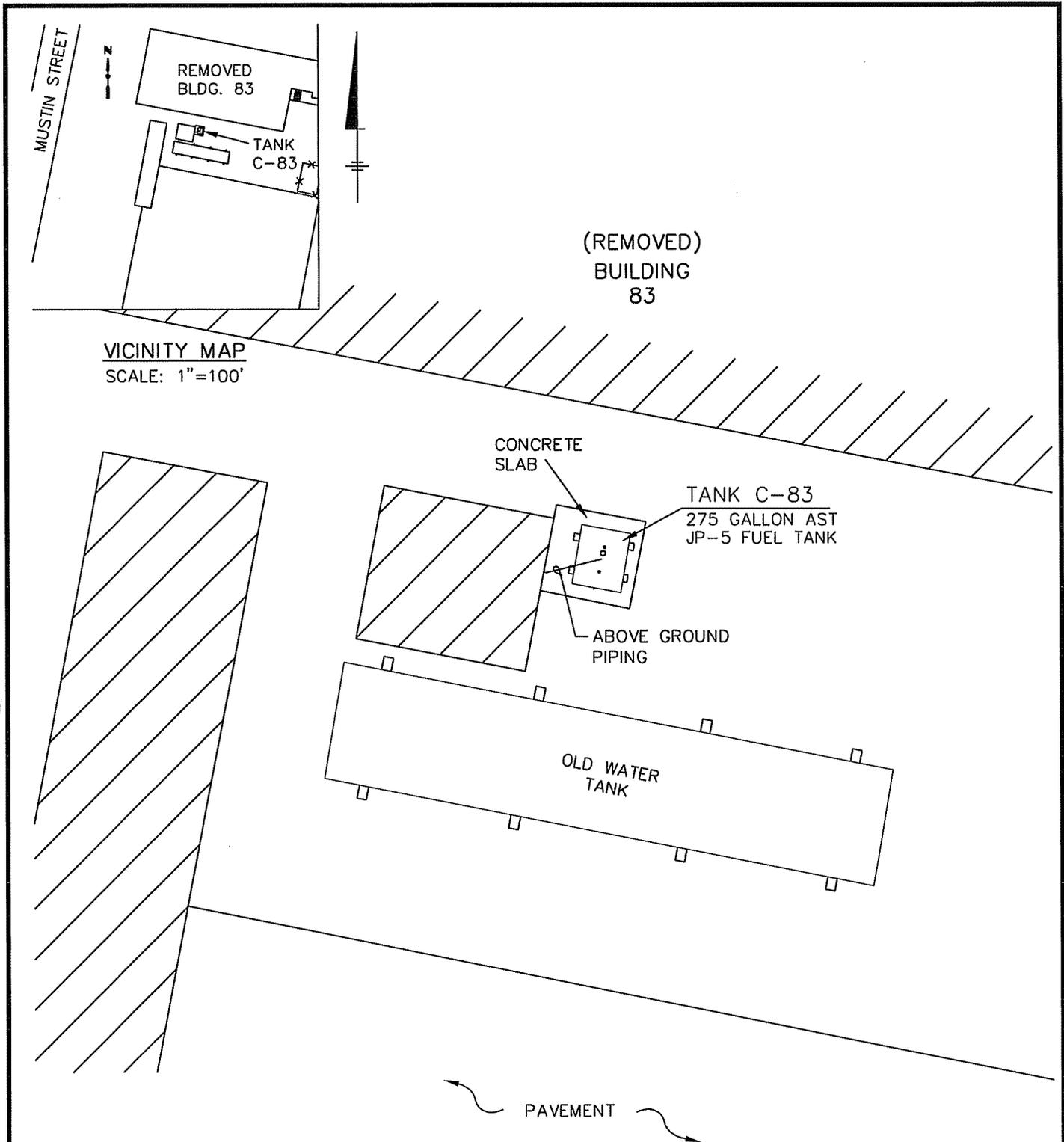
Tank C-83

| <b>Tank ID C-83</b>  |                                                                                      |
|----------------------|--------------------------------------------------------------------------------------|
| Year of Installation | 1944                                                                                 |
| Size                 | 275-gallons                                                                          |
| Contents             | JP-5                                                                                 |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                |
| Regulated - Florida  | Unregulated                                                                          |
| Status               | In-Service                                                                           |
| Tank Construction    | Single-walled painted steel on supports<br>Secondary containment                     |
| Piping               | Aboveground copper<br>Suction piping system                                          |
| Leak Detection       | SPCC Plan<br>Manual gauging; additional required<br>Visual inspection of AST systems |

**6.4.11.2 Regulatory Compliance Requirements**

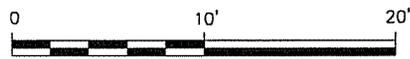
Tank C-83

None.



**LEGEND**

← APPROXIMATE DIRECTION OF SURFACE WATER FLOW



GRAPHIC SCALE

NAVAL AIR STATION  
KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

---

**SITE MAP OF TANK C-83**  
**TRUMBO POINT ANNEX**

X: OR L:  
P: STD-PC2\AP  
1/8/01 TAM-54-JAR  
880\88022\TMBO\88022TPK.DWG

SOURCE: Base map (Sitemap\C83.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.  
Date October 1996, drawn at full scale. Field check by BBL.

**BBL**

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engineers & scientists

FIGURE  
**6-77**

#### 6.4.12 Site C-2076 – Trumbo Point Barracks – Building C-2076

The Bachelor Officer Quarters (BOQ) and the Trumbo Palms Club is located on the corner of Chevalier Avenue and Chambers Street in Building C-2076.

##### 6.4.12.1 Existing Tank – C-2076-R

Tank C-2076-R is located on the southwest side of the BOQ and is used to supply JP-5 to the building's hot water heaters (**Figure 6-78**). The tank is a 1,000-gallon vaulted AST. The tank replaces tank C-2076.

##### Tank C-2076-R

| Tank ID C-2076-R     |                                                                                                               |
|----------------------|---------------------------------------------------------------------------------------------------------------|
| Year of Installation | 1999                                                                                                          |
| Size                 | 1,000-gallons                                                                                                 |
| Contents             | JP-5                                                                                                          |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                                         |
| Regulated - Florida  | Regulated; FAC 62-761                                                                                         |
| Status               | In-Service                                                                                                    |
| Tank Construction    | Vaulted<br>Double-walled<br>Overfill protection – level gauges, high level alarm                              |
| Piping               | Aboveground<br>Suction piping system                                                                          |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems<br>High level alarm |

##### 6.4.12.2 Closed Tank – C-2076

Tank C-2076 was located on the southwest side of the BOQ and was used to fuel the building's hot water heaters (**Figure 6-78**). This tank was a 1,000-gallon AST containing fuel oil situated inside a 1'-10" deep valved concrete

secondary containment with impervious base. The tank was closed by removal in 1999. Soil and ground-water contamination was discovered. The site requires remediation.

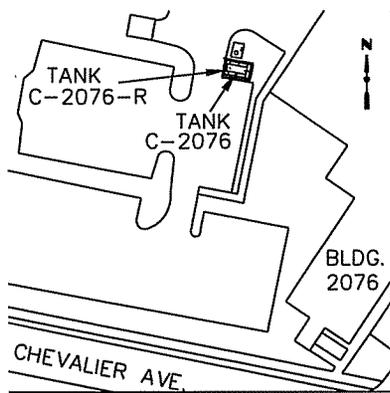
#### **6.4.12.3 Regulatory Compliance Requirements**

##### Tank C-2076-R

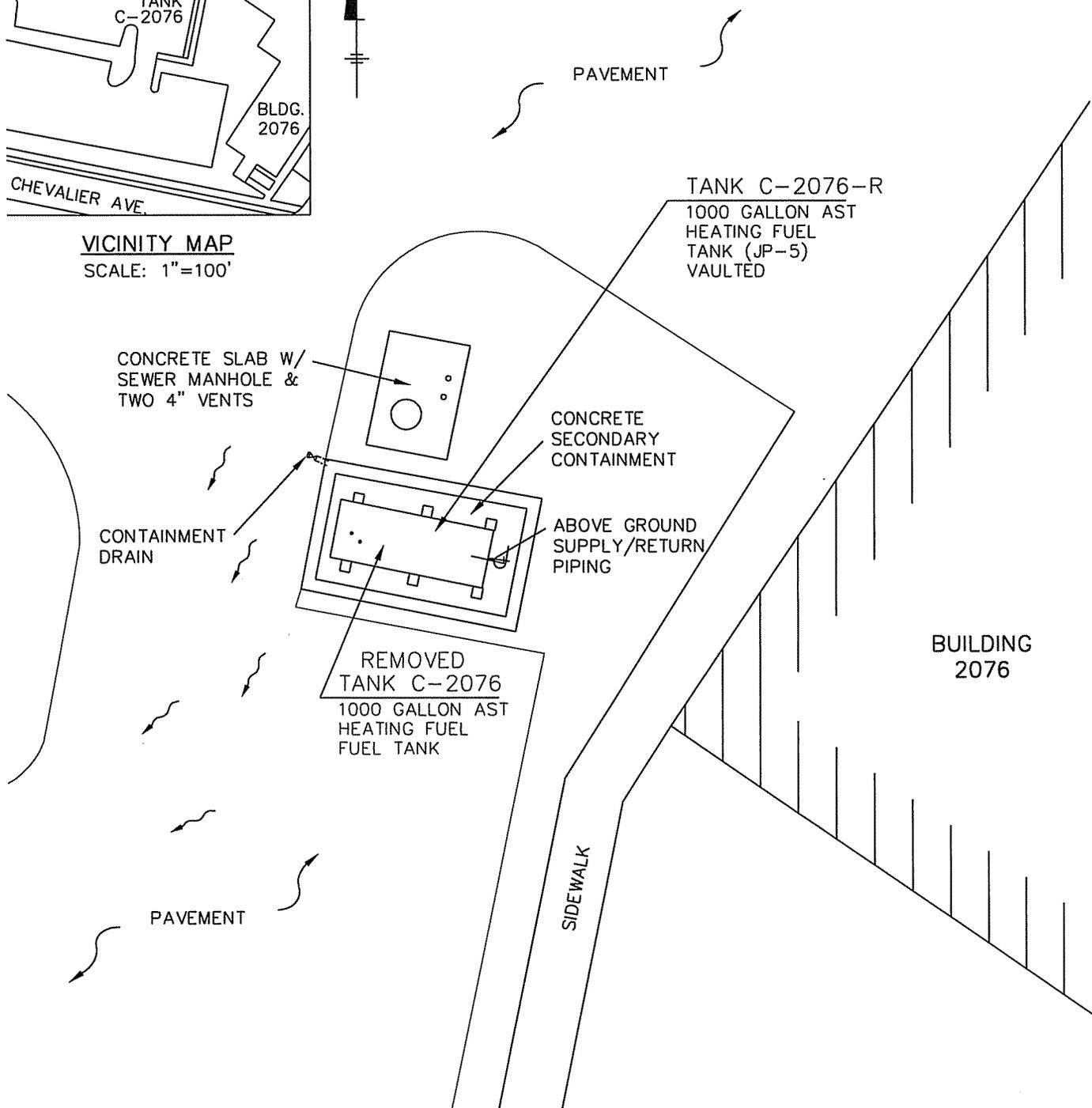
Install anti-siphon valve on all aboveground piping routed outside secondary containment.

##### Closed Tank C-2076

A remedial action plan (RAP) must be prepared for this site. Free product exists on site.

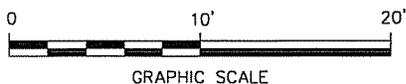


**VICINITY MAP**  
SCALE: 1"=100'



**LEGEND**

~ ~ ~ ~ ~  
APPROXIMATE DIRECTION  
OF SURFACE WATER FLOW



NAVAL AIR STATION  
KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

**SITE MAP OF TANK C-2076-R  
AND FORMER TANK C-2076  
TRUMBO POINT ANNEX**

**BBL**

BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-78**

X: OR L:  
P: STD-PC2\AP  
1/8/01 TAM-54-JAR  
880\88022\TMO\88022TPC.DWG

SOURCE: Base map (Sitemap\C2076.dwg) provided  
by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.  
Date October 1996, drawn at full scale. Field  
check by BBL.

### 6.4.13 Trumbo Point Fuel Farm

The Trumbo Point Fuel Farm is located on Trumbo Road east of the U.S. Coast Guard piers (Figure 6-79). Key West Pipeline, an independent company, operates a fuel farm located immediately to the north of this facility. The Trumbo Point Fuel Farm was the main storage site for diesel fuel, vehicular diesel and vehicular gasoline used by NAS Key West facilities.

#### 6.4.13.1 Existing Tanks – D-29-R, D-1292-BR

##### Tank D-29-R

The Trumbo Point Generator Building D-29 is located in the northeast quadrant of the fuel farm adjacent to Mustin Street. Tank D-29-R, found on the east side of Building D-29, contains JP-5 used to fuel the fuel farm's emergency generator (Figure 6-80). This 500-gallon vaulted AST was installed in 1998.

| Tank ID D-29-R       |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1998                                                                                      |
| Size                 | 500-gallons                                                                               |
| Contents             | JP-5                                                                                      |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Unregulated                                                                               |
| Status               | In-service                                                                                |
| Tank Construction    | Vaulted<br>Double-walled<br>Spill containment bucket, level gauges                        |
| Piping               | Aboveground<br>Suction piping system                                                      |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

Tank 1292-BR

Tank D-1292-BR is located west of Building D-1295 in the northwestern quadrant of the fuel farm (**Figure 6-81**). This 20,000-gallon AST contains vehicular unleaded gasoline used in the fueling of military vehicles. Tank D-1292-BR is equipped with a high-level alarm system and double-walled steel piping where underground. Fuel is dispensed to fuel trucks via truck fill stands. A 3' deep valved concrete impoundment provides secondary containment.

| Tank ID D-1292-BR    |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Year of Installation | 1991                                                                                                                                          |
| Size                 | 20,000-gallons                                                                                                                                |
| Contents             | Unleaded Gasoline                                                                                                                             |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                                                                         |
| Regulated - Florida  | Regulated; FAC 62-761                                                                                                                         |
| Status               | In-service                                                                                                                                    |
| Tank Construction    | Painted steel on supports<br>Concrete secondary containment; manual gauging                                                                   |
| Piping               | Single-walled aboveground painted steel<br>Double-walled underground steel<br>Double-walled under truck fill pad with interstitial monitoring |
| Leak Detection       | Ground-water monitoring<br>Interstitial monitoring (piping)<br>SPCC Plan<br>Visual inspection of AST systems                                  |

**6.4.13.2 Closed Tanks – D-1, D-2, D-3, D-4, D-5, D-6, D-7, D-8, D-9, D-10, D-11, D-12, D-13, D-14, D-15, D-16, D-17, D-18, D-21, D-25, D-26-A, D-27, D-29, D-88-A, D-88-B, D-88-C, D-88-D, D-1292, D-1292-B, D-1292-R, D-4169**

These former tank locations are shown on **Figures 6-79 through 6-82**. The Trumbo Point Fuel Farm is currently under remediation.

#### Tanks D-1, D-2, D-3, D-7

Tanks D-1, D-2, D-3, D-5, and D-7 were 586,200-gallon bunkered USTs (also known as "cut and cover") equipped with high-level alarm systems. Tank D-1 was located in the northwest quadrant of the fuel farm north of building D-19. Tank D-2 was located southeast of Tank D-1 and east of Building D-19. Tank D-3 was located in the southwestern quadrant of the fuel farm and south of Tank D-2. These tanks contained diesel fuel and have been closed by removal. Tanks D-5 and D-7 were closed by removal in 1984, contents unknown.

#### Tanks D-4, D-6

Tanks D-4 and D-6 were found east and southeast, respectively, of Tank D-3 in the southeastern quadrant of the fuel farm. The 1,134,000-gallon bunkered USTs has been out-of-service since 1988. Prior to being taken out-of-service vehicular diesel fuel was stored in Tank D-4. Approximately 90,000 gallons of used oil and water was stored in Tank D-6 until the tank was closed by removal in April 1997. Closure Reports were submitted for these tanks.

#### Tanks D-8, D-9, D-10, D-11, D-12, D-13, D-14, D-1292-R

Former Tanks D-8, D-9, D-10, D-11, D-12, D-13, D-14, and D-1292-R were located in the fuel farm site. These concrete tanks were all similar in design and function.

#### Tank D-15

Formerly located in the fuel farm was Tank D-15, a 37,485-gallon bunkered UST. The tank was removed from July 1995 through August 1995. Tank D-15 previously stored Bunker C residual oils. A Closure Report was submitted.

#### Tanks D-16, D-17, D-18

Former Tank D-16, D-17, and D-18 were 18,742-gallon bunkered USTs that were removed during July 1995 and August 1995. Tank D-16 previously stored Bunker C residual oil. Tanks D-17 and D-18 stored waste oil. Closure reports were submitted.

#### Tank D-21

Formerly located in the southwestern quadrant of the fuel farm, south of Building D-9, was Tank D-21. This tank was a 10,000-gallon bunkered UST used to store vehicular diesel fuel. Tank D-21 was closed by removal on February 3, 1997. A Closure Report was submitted.

#### Tank D-25

Tank D-25 was a 3,500-gallon UST located north of building D-26 in the southeast quadrant of the fuel farm. The tank was used to store waste oil. The tank was closed by removal.

#### Tank D-26-A

Tank D-26-A is a 500-gallon UST found east of building D-26 in the southeast quadrant of the fuel farm. This tank is closed by removal. The tank contained diesel fuel to power a generator prior to being closed. A Closure Report was submitted.

#### Tank D-27

Previously used for storing Bunker C, tank D-27 was closed by removal on February 10, 1997. Tank D-27, a 10,000-gallon bunkered UST, was located east of Building D-26. A Closure Report was submitted.

#### Tank D-29

The Trumbo Point Generator Building D-29 was located in the northeast quadrant of the fuel farm adjacent to Mustin Street. Tank D-29, found on the east side of Building D-29, contained JP-5 to fuel the fuel farm's emergency generator. The 560-gallon AST was located within a valved concrete secondary containment. On May 21, 1998, the tank was closed by removal. A Closure Report was submitted.

#### Tank D-88-A, D-88-B, D-88-C, D-88-D

Former tanks D-88-A, D-88-B, D-88-C, and D-88-D were 25,000-gallon bunkered USTs (**Figure 6-80**). The tanks were closed by removal in 1992. HRS issued a No Further Remediation order for the tanks on October 10, 1996.

#### Tank D-1292-B

Former Tank D-1292-B was located north of Building D-19 and south of Tank D-1 in the northwestern quadrant of the fuel farm. The 20,000-gallon AST contained vehicular unleaded gasoline used in the fueling of military vehicles. Fuel was dispensed to fuel trucks via truck fill stands. A 3' deep valved concrete impoundment provided secondary containment. The tank has been closed by removal.

#### Tank D-1292

Former Tank D-1292 was removed in 1984. The tank was a 14,950-gallon AST used to store unleaded gasoline.

#### Tank D-4169

Tank D-4169 was located east of Tank D-1292-B. Former tank D-4169 was a 250-gallon vaulted AST equipped with overfill and leak protection. Waste oil was stored in this tank. The tank has been closed by removal.

### **6.4.13.3 Regulatory Compliance Requirements**

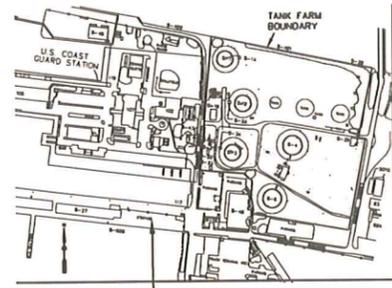
#### Tank D-1292-BR

Install an anti-siphon valve on all aboveground piping routed outside secondary containment.

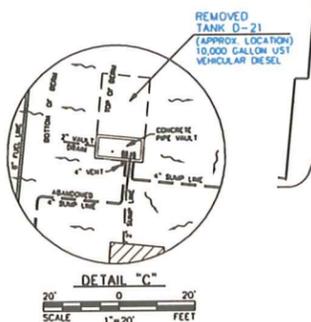
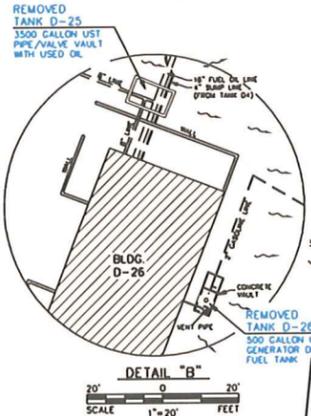
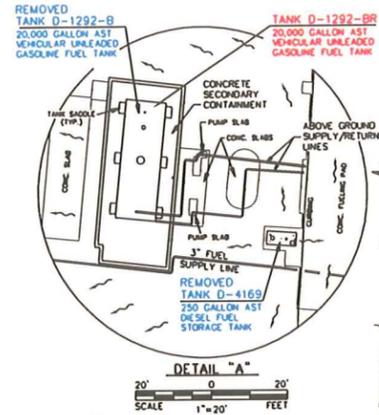
#### Tank D-29-R

None.

Tanks D-1, D-2, D-3, D-4, D-5, D-6, D-7, D-8, D-9, D-10, D-11, D-12, D-13, D-14, D-15, D-16, D-17, D-18, D-21, D-25, D-26-A, D-27, D-29, D-88-A, D-88-B, D-88-C, D-88-D, D-1292-B, D-1292-R, D-1293, D-4169  
Continue site remediation.



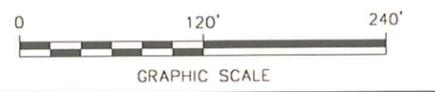
**MICINITY MAP**  
SCALE: 1"=400'  
**TANK C-1**  
750 GALLON AST  
DIESEL FUEL TANK



- REMOVED TANK LIST:**
- |               |             |
|---------------|-------------|
| TANK D-1      | TANK D-5    |
| TANK D-2      | TANK D-7    |
| TANK D-3      | TANK D-15   |
| TANK D-4      | TANK D-16   |
| TANK D-6      | TANK D-17   |
| TANK D-21     | TANK D-18   |
| TANK D-25     | TANK D-14   |
| TANK D-26-A   | TANK D-11   |
| TANK D-27     | TANK D-12   |
| TANK D-29     | TANK D-13   |
| TANK D-1292-B | TANK D-10   |
| TANK D-1292-R | TANK D-9    |
| TANK D-1292   | TANK D-8    |
| TANK D-4169   | TANK D-1293 |
| TANK B-48     |             |

- EXISTING TANK LIST:**
- TANK D-1292-BR  
TANK D-29-R  
TANK C-1 (SEE INSET)

- LEGEND**
- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
  - - - FENCE
  - ⊙ MONITORING WELL
  - ⊕ POWER POLE
  - ABOVE GROUND FUEL LINE
  - - - UNDERGROUND FUEL LINE (APPROX. LOCATION)
  - - - ABANDONED LINE
- NOTE: LOCATIONS OF ALL UNDERGROUND AND ABANDONED PIPES SHOWN HEREON ARE APPROXIMATE.

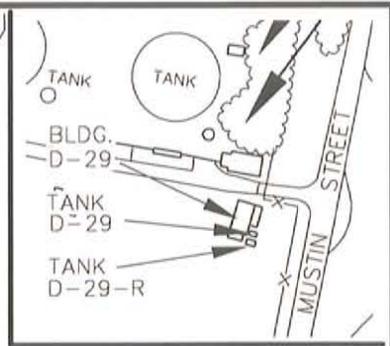


NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**

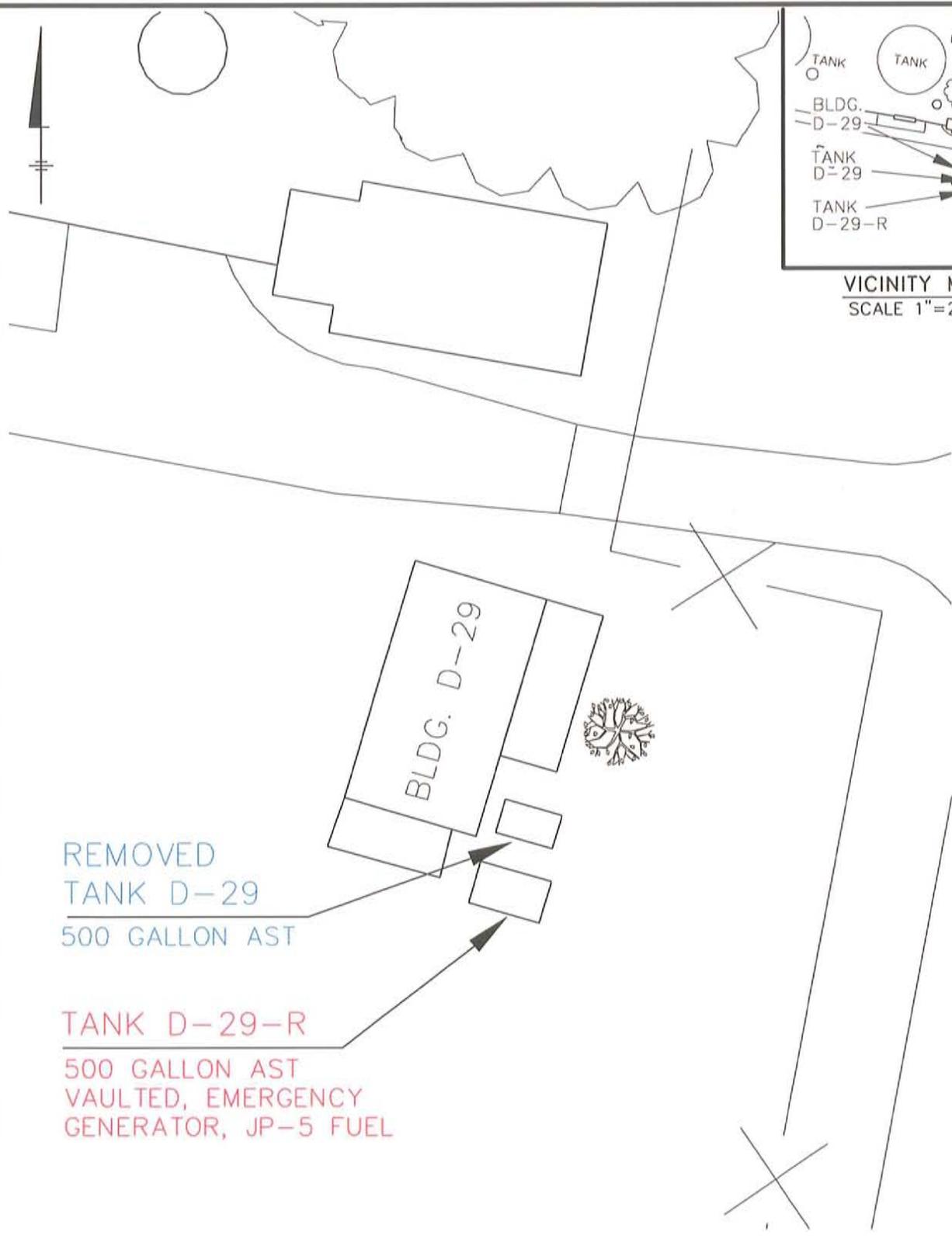
**SITE MAP OF TRUMBO POINT FUEL FARM**

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE 6-79



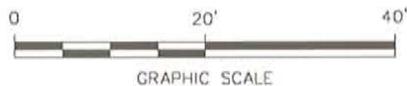
VICINITY MAP  
SCALE 1"=200'



REMOVED  
TANK D-29  
500 GALLON AST

TANK D-29-R  
500 GALLON AST  
VAULTED, EMERGENCY  
GENERATOR, JP-5 FUEL

NOTE: LOCATION OF TANKS ARE APPROXIMATE.



GRAPHIC SCALE

P: NAVY-AP.PC2  
2/21/01 TAM-54-JAR  
BB0\BB022\TMBO\BB0221PU.DWG

SOURCE: Base map (#37147N03.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale.

NAVAL AIR STATION  
KEY WEST, FLORIDA

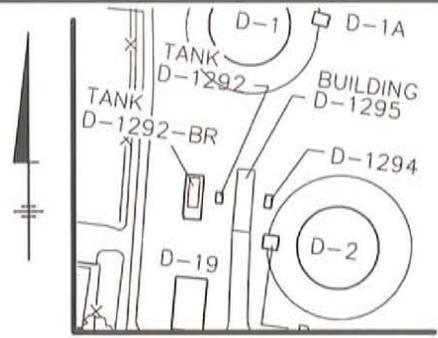
TANK MANAGEMENT PLAN

SITE MAP OF TANK D-29-R  
AND FORMER TANK D-29  
TRUMBO POINT ANNEX

**BBL**

BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-80**



VICINITY MAP  
SCALE 1"=200'

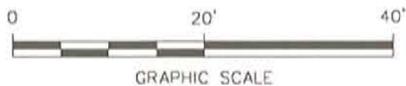
D-1292-BR  
20,000 GALLON AST  
UNLEADED GASOLINE

REMOVED  
D-1292-B  
14,950 GALLON AST  
UNLEADED GASOLINE

REMOVED  
D-1292-R

REMOVED  
D-1292  
14,950 GALLON AST

BUILDING D-1295



NAVAL AIR STATION  
KEY WEST, FLORIDA

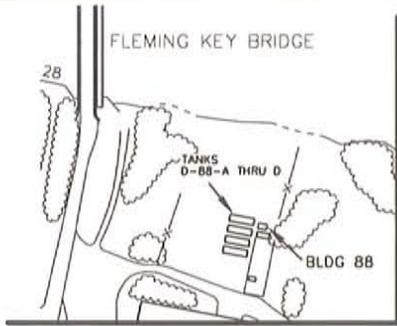
TANK MANAGEMENT PLAN

SITE MAP OF TANK D-1292-BR &  
FORMER TANKS D-1292, -B & -R  
TRUMBO POINT ANNEX

**BBL**

BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-81**



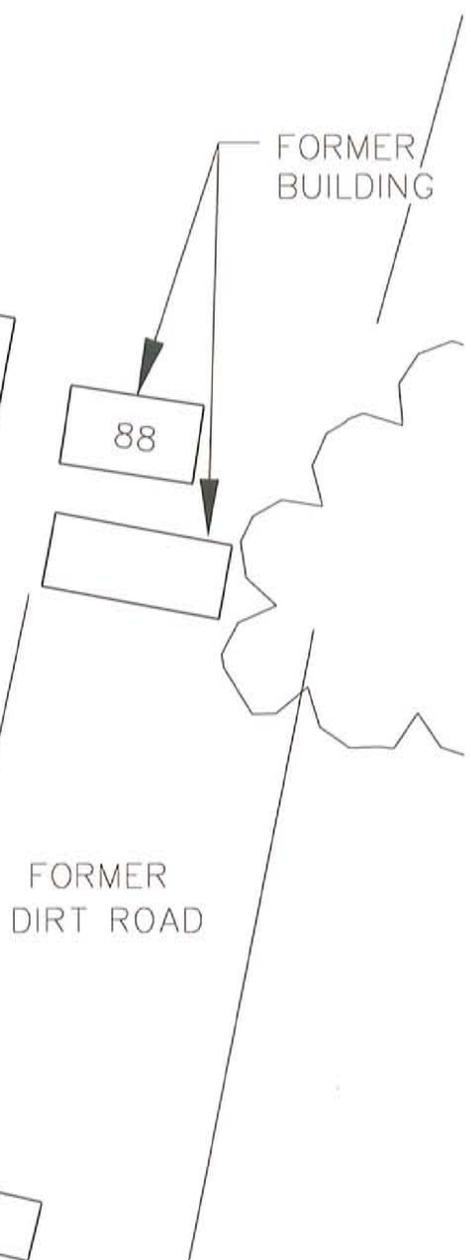
VICINITY MAP  
SCALE 1"=200'

REMOVED  
TANK D-88-A  
25,000 GALLON UST

REMOVED  
TANK D-88-B  
25,000 GALLON UST

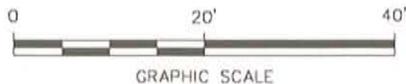
REMOVED  
TANK D-88-C  
25,000 GALLON UST

REMOVED  
TANK D-88-D  
25,000 GALLON UST



FORMER BUILDING

NOTE: PRECISE LOCATION OF TANKS UNKNOWN.



NAVAL AIR STATION  
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

SITE MAP OF FORMER TANKS  
D-88-A, B, C & D  
TRUMBO POINT ANNEX

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-82**

#### **6.4.14 Site Pier D-1 – Trumbo Point Pier D-1**

Pier D-1 extends westerly into the Gulf of Mexico and abuts Trumbo Point Annex to the east.

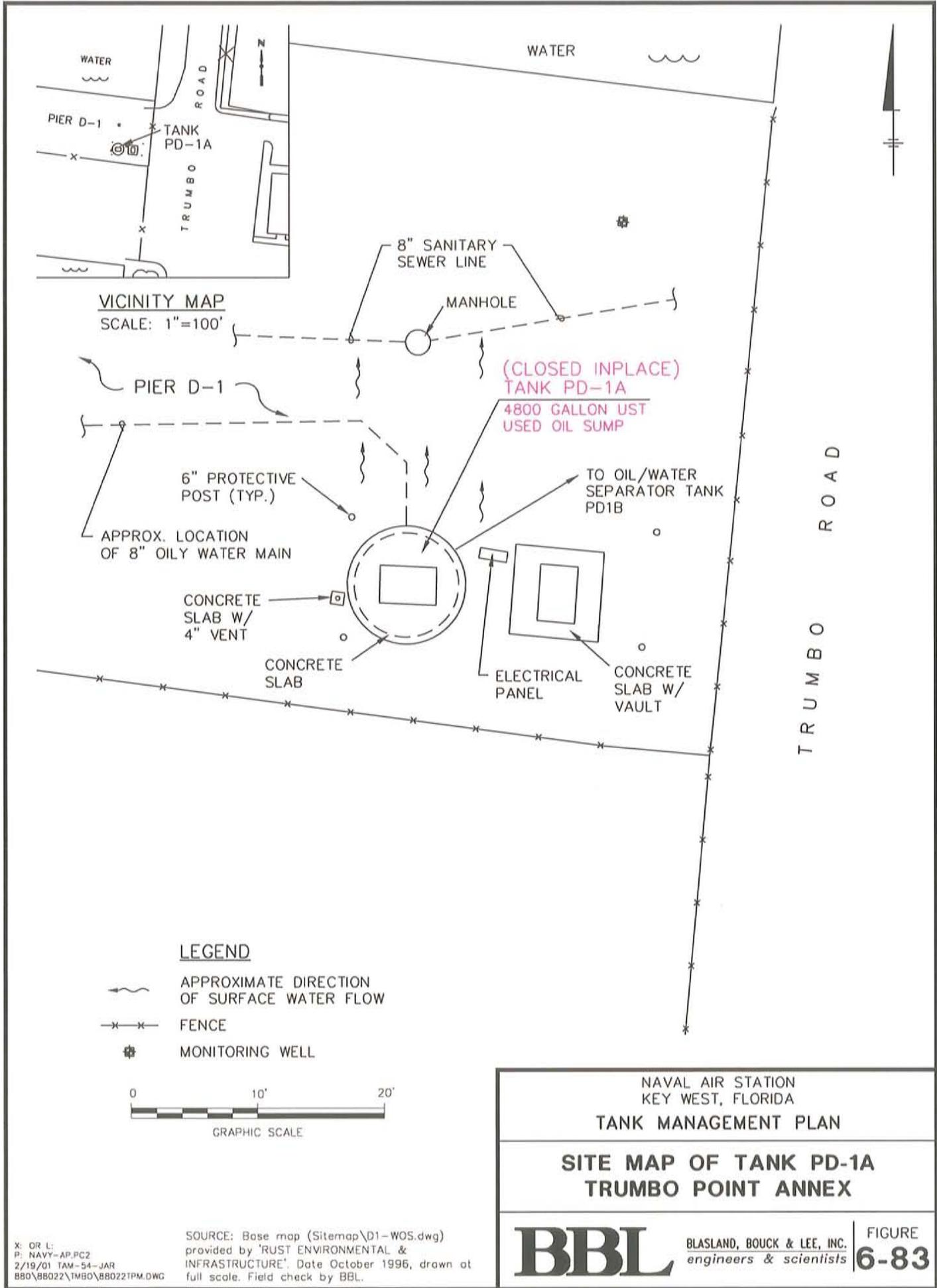
##### **6.4.14.1 Closed Tanks – PD-1A, PD-1B**

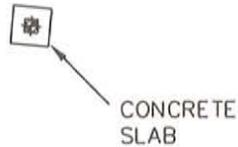
Tank PD-1A is a 4,800- gallon sump that received used oil and oily water generated by maintenance activities performed on naval marine vehicles (**Figure 6-83**). Tank PD-1A is considered closed in-place. As used oil and oily water levels increased, a float activated pumps, which transferred the liquid to an oil/water separator. The oil/water separator, PD-1B was located on Trumbo Road north of Building B-48 and south of the Trumbo Point Tank Farm (**Figure 6-84**). The oil/water separator PD-1B had a storage capacity of 650-gallons. Segregated water from this separator discharged to the facility's sanitary sewer system. The used oil was collected and disposed of by a NAS Key West Public Works contract. Tank PD-1B has been closed by removal. These tanks were considered process tanks and were therefore exempt from state and federal regulation.

##### **6.4.14.2 Regulatory Compliance Requirements**

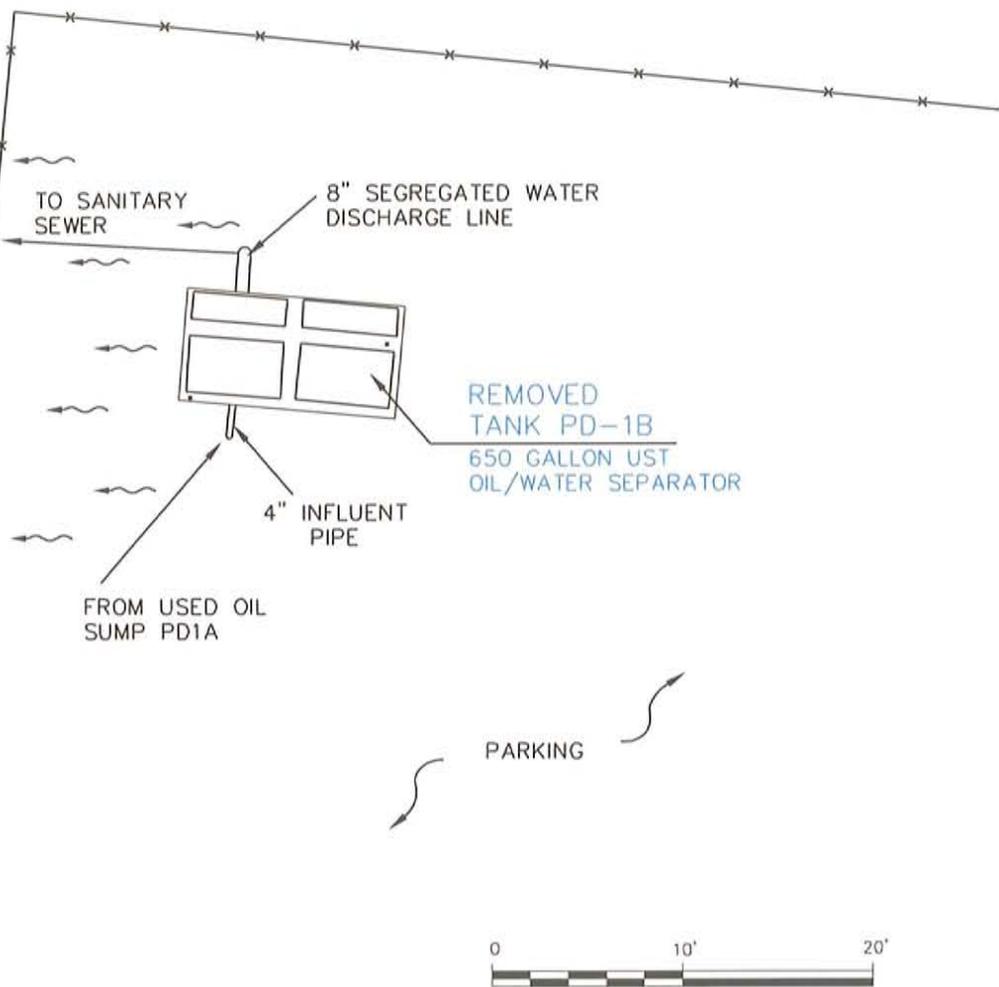
###### Tank PD-1A and PD-1B

None.





TRUMBO ROAD



**LEGEND**

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE
- MONITORING WELL

SOURCE: Base map (Sitemap\D1-OWS.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**

**SITE MAP OF FORMER TANK PD-1B - TRUMBO POINT ANNEX**

**BBL**

BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-84**

X: OR L:  
P: NAVY-AP\_PC2  
2/19/01 TAM-54-JAR  
880\88022\1M80\880221PL.DWG

#### 6.4.15 Site C-1 – Trumbo Point Pier D-1

The Trumbo Point Pier D-1 site is located at the entrance to Trumbo Point Pier at Key West Bight. Refer to **Figure 6-79** for a site location.

##### 6.4.15.1 Existing Tank – C-1

One 250-gallon AST containing JP-5 is located on-site. Tank C-1 is used to refill forklifts. The tank is not fixed in place.

##### Tank C-1

| Tank ID C-1          |                                               |
|----------------------|-----------------------------------------------|
| Year of Installation | Unknown                                       |
| Size                 | 250-gallons                                   |
| Contents             | JP-5                                          |
| Regulated - Federal  | Regulated; 40 CFR 112                         |
| Regulated - Florida  | Unregulated                                   |
| Status               | In-Service                                    |
| Tank Construction    | Steel                                         |
| Piping               | Aboveground rubber hose                       |
| Leak Detection       | SPCC Plan<br>Visual inspection of AST systems |

##### 6.4.15.2 Regulatory Compliance Requirements

##### Tank C-1

None.

#### 6.4.16 Trumbo Point Hangar C-1

Hangar C-1 is located at the end of Whiting Avenue, north of Chevalier Avenue, at the Trumbo Point Annex (Figure 6-85).

##### 6.4.16.1 Existing Tanks – B-28, 149-2R

Tank B-28 is a 250-gallon unleaded gasoline tank taken out of service (Figure 6-85). The tank is being temporarily stored at this site. Tank 1049-2R is a 1,000-gallon unleaded gasoline vaulted tank also out of service and stored at this site.

##### Tank B-28

| Tank ID B-28         |                                                                      |
|----------------------|----------------------------------------------------------------------|
| Year of Installation | 1994                                                                 |
| Size                 | 250-gallons                                                          |
| Contents             | Unleaded Gasoline                                                    |
| Regulated - Federal  | Regulated; 40 CFR 112                                                |
| Regulated - Florida  | Unregulated                                                          |
| Status               | Out-of-service                                                       |
| Tank Construction    | Single-walled aluminum on supports<br>Aluminum secondary containment |
| Piping               | Aboveground rubber hose                                              |
| Leak Detection       | SPCC Plan<br>Visual inspection of AST systems                        |

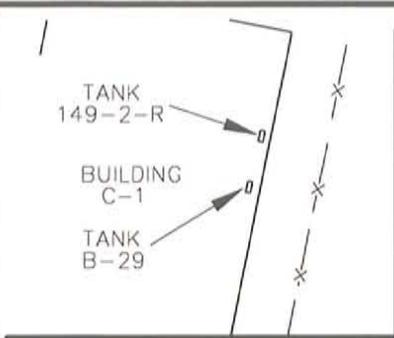
Tank 149-2R

| Tank ID 149-2R       |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | Unknown                                                                                   |
| Size                 | 1,000-gallons                                                                             |
| Contents             | Unleaded Gasoline                                                                         |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Regulated 62-761                                                                          |
| Status               | Out of service                                                                            |
| Tank Construction    | Vaulted<br>Double-walled<br>Overfill protection – tight fill                              |
| Piping               | Aboveground<br>Suction piping system                                                      |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

**6.4.16.2 Regulatory Compliance Requirements**

Tanks B-28 and 149-2R

None.



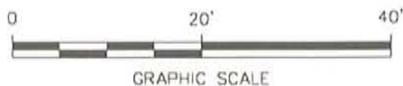
VICINITY MAP  
SCALE 1"=200'

BUILDING C-1

149-2-R  
(AST)  
(OUT OF SERVICE)  
(TEMPORARY STORAGE)

B-28  
(AST)  
(OUT OF SERVICE)  
(TEMPORARY STORAGE)

NOTE: PRECISE LOCATION OF TANKS UNKNOWN.



P: NAVY-AP.PC2  
2/19/01 TAM-54-JAR  
880\88022\TMO\880221PP.DWG

SOURCE: Base map (#37147N03.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale.

NAVAL AIR STATION  
KEY WEST, FLORIDA

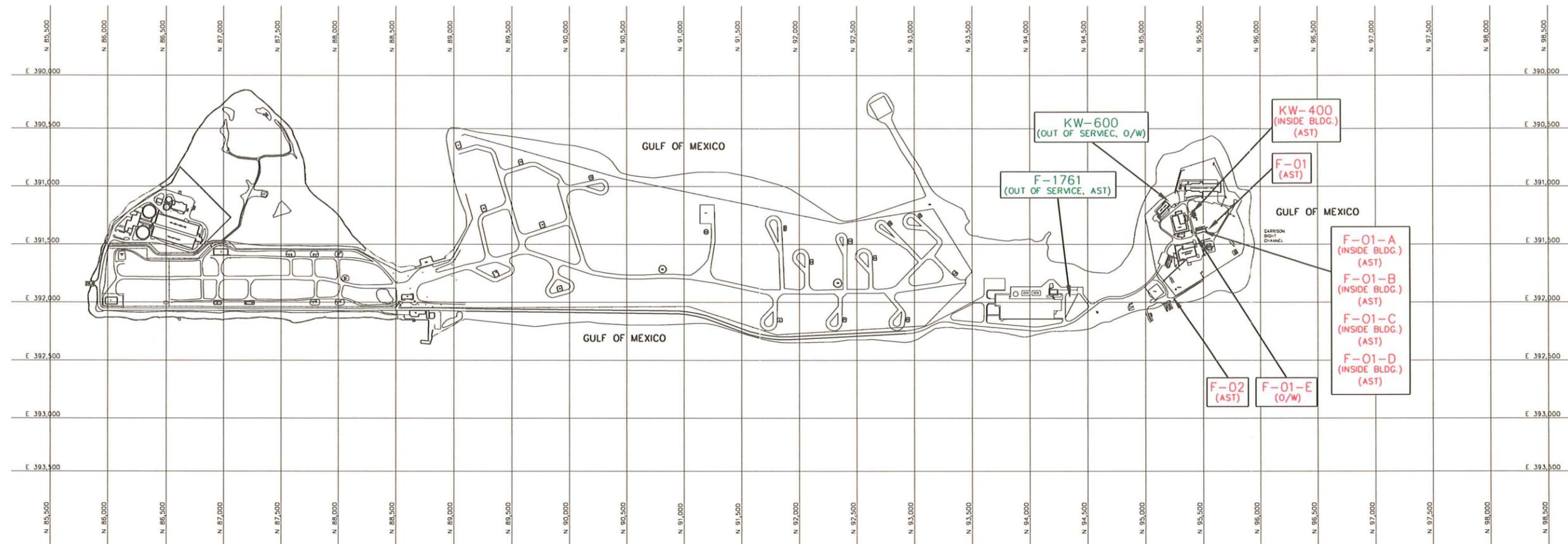
TANK MANAGEMENT PLAN

SITE MAP OF FORMER TANKS  
149-2-R AND B-28  
TRUMBO POINT ANNEX

**BBL**

BLASLAND, BOUCK & LEE, INC.  
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FIGURE  
**6-85**



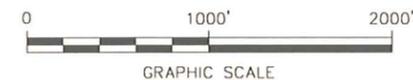
TOPOGRAPHIC MAP SYMBOLS

- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER

| F01A<br>(REMOVED, UST) | TANK NAME<br>TANK STATUS |
|------------------------|--------------------------|
| UST                    | UNDERGROUND STORAGE TANK |
| AST                    | ABOVEGROUND STORAGE TANK |
| O/W                    | OIL/WATER SEPARATOR      |

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:  
GENERAL DEVELOPMENT MAP OF THE EXISTING  
CONDITIONS FOR FLEMING KEY NAS KEY  
WEST, FL. BY SOUTHERN RESOURCE MAPPING  
CORPORATION, HOLLY HILL, FL. DATE OF  
PHOTOGRAPHY: NOVEMBER 3, 1994.

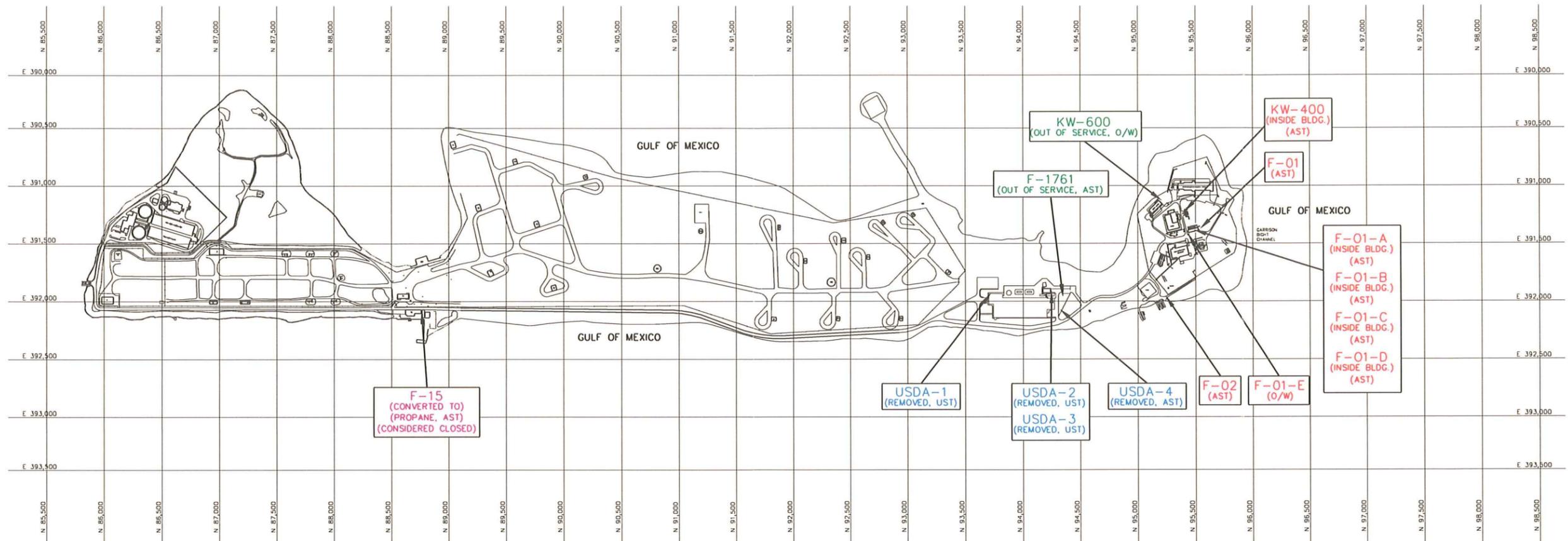


NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN

FLEMING KEY  
(EXISTING TANKS)

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
6-87



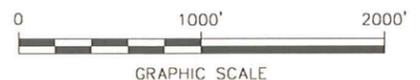
TOPOGRAPHIC MAP SYMBOLS

- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER

| TANK NAME              | TANK STATUS              |
|------------------------|--------------------------|
| F01A<br>(REMOVED, UST) |                          |
| UST                    | UNDERGROUND STORAGE TANK |
| AST                    | ABOVEGROUND STORAGE TANK |
| O/W                    | OIL/WATER SEPARATOR      |

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

**REFERENCE:**  
 GENERAL DEVELOPMENT MAP OF THE EXISTING  
 CONDITIONS FOR FLEMING KEY NAS KEY  
 WEST, FL. BY SOUTHERN RESOURCE MAPPING  
 CORPORATION, HOLLY HILL, FL. DATE OF  
 PHOTOGRAPHY: NOVEMBER 3, 1994.



NAVAL AIR STATION  
 KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

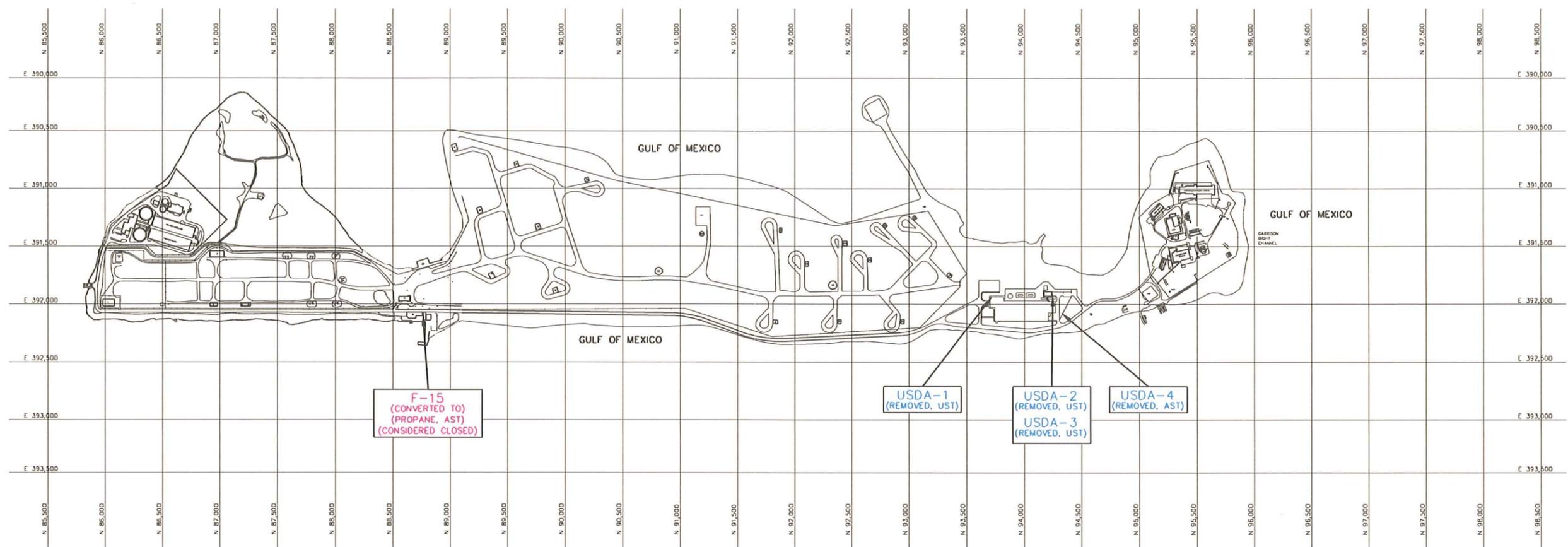
---

**FLEMING KEY**

---

**BBL** BLASLAND, BOUCK & LEE, INC.  
 engineers & scientists

FIGURE  
**6-86**



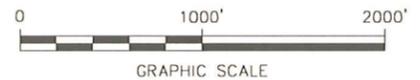
TOPOGRAPHIC MAP SYMBOLS

- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER

| FOIA<br>(REMOVED, UST) | TANK NAME<br>TANK STATUS     |
|------------------------|------------------------------|
|                        | UST UNDERGROUND STORAGE TANK |
|                        | AST ABOVEGROUND STORAGE TANK |
|                        | O/W OIL/WATER SEPARATOR      |

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

**REFERENCE:**  
GENERAL DEVELOPMENT MAP OF THE EXISTING  
CONDITIONS FOR FLEMING KEY NAS KEY  
WEST, FL. BY SOUTHERN RESOURCE MAPPING  
CORPORATION, HOLLY HILL, FL. DATE OF  
PHOTOGRAPHY: NOVEMBER 3, 1994.



NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN

**FLEMING KEY  
(CLOSED TANKS)**

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-88**

## 6.5 Fleming Key

Fleming Key is located north of the western end of Key West. General tank location maps are provided as **Figures 6-86 through 6-88**.

### 6.5.1 Site F-01 – Special Forces Building KW-200

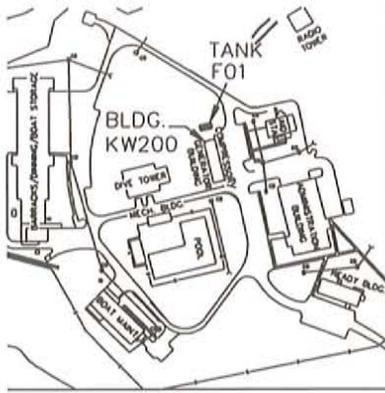
Building KW-200 is the compressor/generator building on Fleming Key at the Special Forces facility.

#### 6.5.1.1 Existing Tanks – F-01, F-01-A, F-01-B, F-01-C, F-01-D, F-01-E

Tank F-01, located to the north of building KW-200, is a 2,650-gallon AST containing diesel fuel. It provides an alternative fuel source to the air compressors housed in Building KW-200 (**Figure 6-89**). Tank F-01 is equipped with a valved concrete secondary containment and interstitial monitoring of its double-walled piping.

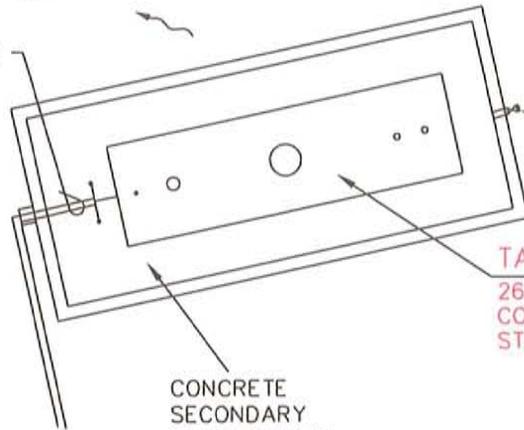
#### Tank F-01

| Tank ID F-01         |                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Year of Installation | 1994                                                                                                                                                                            |
| Size                 | 2,650-gallons                                                                                                                                                                   |
| Contents             | Diesel                                                                                                                                                                          |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                                                                                                           |
| Regulated - Florida  | Regulated; FAC 62-762                                                                                                                                                           |
| Status               | In-Service                                                                                                                                                                      |
| Tank Construction    | Single-walled painted steel on supports<br>Concrete secondary containment                                                                                                       |
| Piping               | Aboveground-painted steel; underground-polyethylene-coated underground steel within secondary containment<br>Polyethylene-coated secondary containment<br>Suction piping system |
| Leak Detection       | Interstitial monitoring; secondary containment<br>Manual gauging<br>SPCC Plan<br>Visual inspection of AST systems                                                               |



VICINITY MAP  
SCALE: 1"=400'

ABOVE GROUND  
PIPING



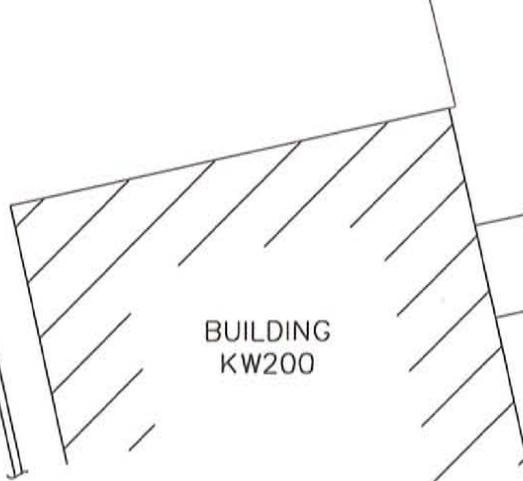
CONTAINMENT  
DRAIN

TANK F-01  
2650 GALLON AST  
COMPRESSOR DIESEL FUEL  
STORAGE TANK

CONCRETE  
SECONDARY  
CONTAINMENT

APPROXIMATE  
LOCATION OF  
UNDERGROUND  
PIPING

TO DAY TANKS  
INSIDE BLDG KW200  
& TANK KW400



BUILDING  
KW200

PAVEMENT

CONCRETE  
SLAB

LEGEND

APPROXIMATE DIRECTION  
OF SURFACE WATER FLOW



GRAPHIC SCALE

NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN

SITE MAP OF TANK F-01  
FLEMING KEY

**BBL**

BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
6-89

Tanks F-01-A, F-01-B, F-01-C

Tanks F-01-A, F-01-B and F-01-C are 50-gallon aboveground day tanks that receive fuel from Tank F-01, transferring it to one air compressor and two emergency generators located inside Building KW-200 (Figure 6-90). Each tank has been equipped with fuel level gauges. A floor trench drain provides secondary containment at this site.

| Tank ID F-01-A       |                                                                  |
|----------------------|------------------------------------------------------------------|
| Year of Installation | 1993                                                             |
| Size                 | 50-gallons                                                       |
| Contents             | Diesel                                                           |
| Regulated - Federal  | Regulated; 40 CFR 112                                            |
| Regulated - Florida  | Unregulated                                                      |
| Status               | In-Service                                                       |
| Tank Construction    | Painted Steel<br>Level gauge; floor drain to oil/water separator |
| Piping               | Aboveground rubber hose<br>Suction piping system                 |
| Leak Detection       | SPCC Plan<br>Visual inspection of AST systems                    |

| <b>Tank ID F-01-B</b> |                                                                  |
|-----------------------|------------------------------------------------------------------|
| Year of Installation  | 1993                                                             |
| Size                  | 50-gallons                                                       |
| Contents              | Diesel                                                           |
| Regulated - Federal   | Regulated; 40 CFR 112                                            |
| Regulated - Florida   | Unregulated                                                      |
| Status                | In-Service                                                       |
| Tank Construction     | Painted Steel<br>Level gauge; floor drain to oil/water separator |
| Piping                | Aboveground rubber hose<br>Suction piping system                 |
| Leak Detection        | SPCC Plan<br>Visual inspection of AST systems                    |

| Tank ID F-01-C       |                                                                  |
|----------------------|------------------------------------------------------------------|
| Year of Installation | 1993                                                             |
| Size                 | 50-gallons                                                       |
| Contents             | Diesel                                                           |
| Regulated - Federal  | Regulated; 40 CFR 112                                            |
| Regulated - Florida  | Unregulated                                                      |
| Status               | In-Service                                                       |
| Tank Construction    | Painted Steel<br>Level gauge; floor drain to oil/water separator |
| Piping               | Aboveground rubber hose<br>Suction piping system                 |
| Leak Detection       | SPCC Plan<br>Visual inspection of AST systems                    |

Tank F-01-D

Tank F-01-D is a 25-gallon aboveground diesel fuel tank mounted to the pulley housing of the compressor found in Building KW-200 (Figure 6-90). This tank receives fuel from Tank F-01 and provides fuel for an air compressor. The floor trench drain described previously for the three-day tanks provides secondary containment.

| Tank ID F-01-D       |                                                                   |
|----------------------|-------------------------------------------------------------------|
| Year of Installation | 1994                                                              |
| Size                 | 25-gallons                                                        |
| Contents             | Diesel                                                            |
| Regulated - Federal  | Regulated; 40 CFR 112                                             |
| Regulated - Florida  | Unregulated                                                       |
| Status               | In-Service                                                        |
| Tank Construction    | Single-walled painted steel<br>Floor drain to oil/water separator |
| Piping               | Aboveground rubber hose                                           |
| Leak Detection       | SPCC Plan<br>Visual inspection of AST systems                     |

Tank F-01-E

Tank F-01-E is an underground oil/water separator located southeast of Building KW-200 at the Fleming Key Special Forces facility (**Figure 6-90**). This tank collects used oil generated by the air compressors housed in Building KW-200. Segregated water from the separator discharges to the facility's sanitary sewer system. Used oil is collected and disposed of under a NAS Key West Public Works contract.

| <b>Tank ID F-01-E</b> |                      |
|-----------------------|----------------------|
| Year of Installation  | 1994                 |
| Size                  | 400-gallons          |
| Contents              | Used Oil             |
| Regulated - Federal   | Unregulated          |
| Regulated - Florida   | Unregulated          |
| Status                | In-Service           |
| Tank Construction     | Fiberglass           |
| Piping                | Underground          |
| Leak Detection        | None; not applicable |

**6.5.1.2 Regulatory Compliance Requirements**

Tank F-01

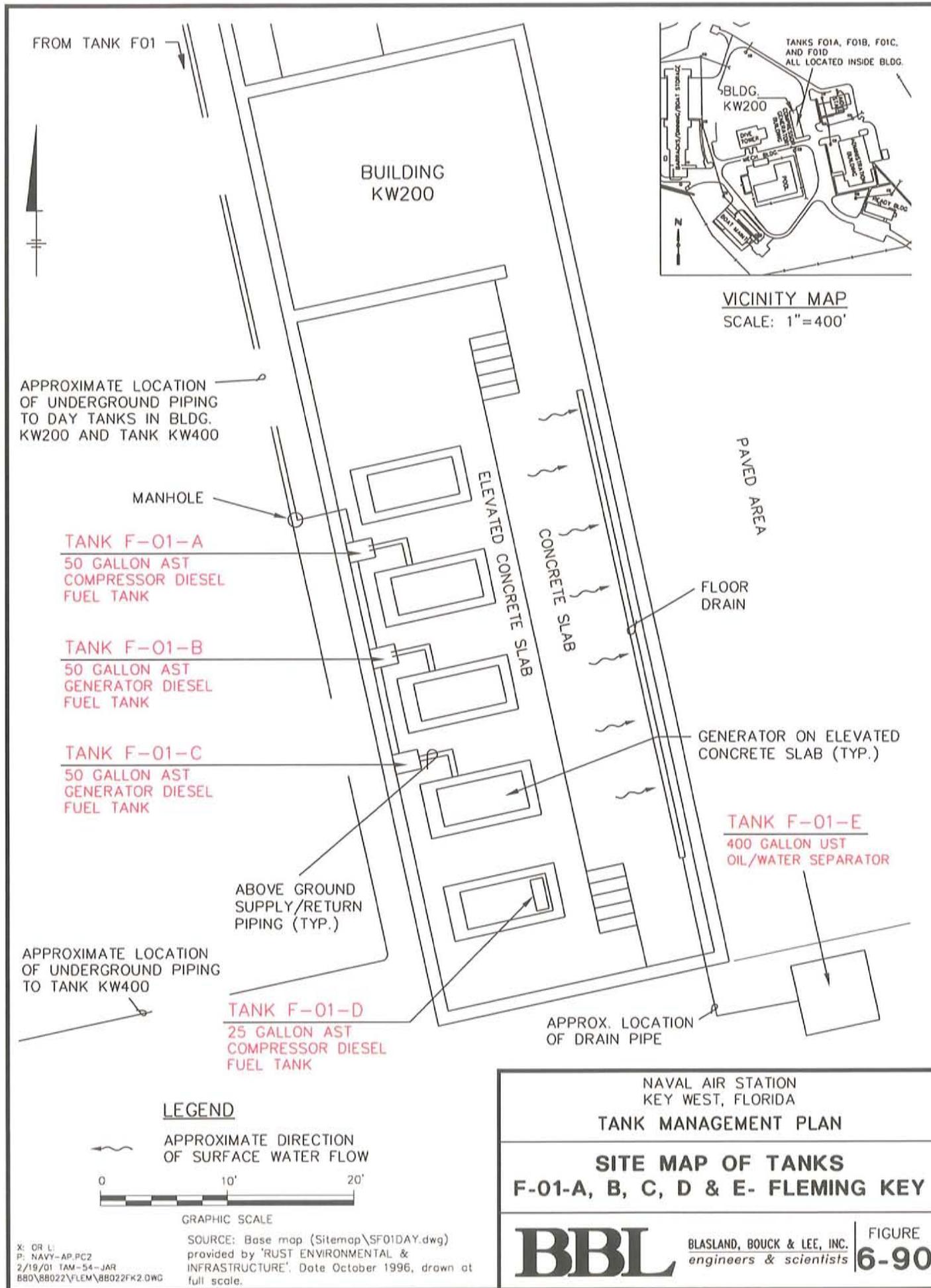
None.

Tanks F-01-A, F-01-B, F-01-C, and F-01-D

None.

Tank F-01-E

None. Tank F-01-E is considered a process tank and is therefore exempt from state and federal regulations.



## 6.5.2 Site F-02 – Special Forces - Boat Dock

The Special Forces facility is located on Fleming Key northeast of the Administration building and adjacent to the boat launch.

### 6.5.2.1 Existing Tank – F-02

Tank F-02 is located at the Special Forces facility on Fleming Key northeast of the Administration building and next to the boat launch (**Figure 6-91**). This 4,000-gallon vaulted AST stores vehicular unleaded gasoline. Fuel from Tank F-02 is used to refuel Special Force's marine vehicles. Standard dispenser pumps are used for the fuel transfer and are found in a building adjacent to the boat dock. Tank F-02 is a vaulted tank equipped with a level gauge and interstitial monitoring.

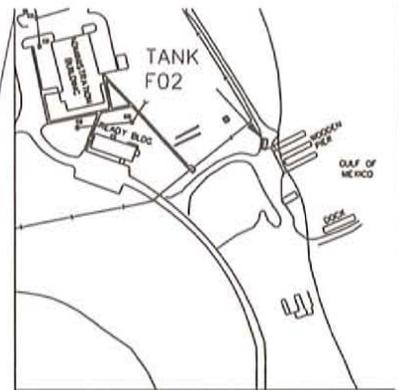
#### Tank F-02

| Tank ID F-02         |                                                    |
|----------------------|----------------------------------------------------|
| Year of Installation | 1995                                               |
| Size                 | 4,000-gallons                                      |
| Contents             | Unleaded Gasoline                                  |
| Regulated - Federal  | Regulated; 40 CFR 112                              |
| Regulated - Florida  | Regulated; FAC 62-762                              |
| Status               | In-Service                                         |
| Tank Construction    | Vaulted<br>Double-walled<br>Tank built on supports |
| Piping               | Aboveground<br>Suction piping system               |
| Leak Detection       | SPCC Plan<br>Visual inspection of AST systems      |

### 6.5.2.2 Regulatory Compliance Requirements

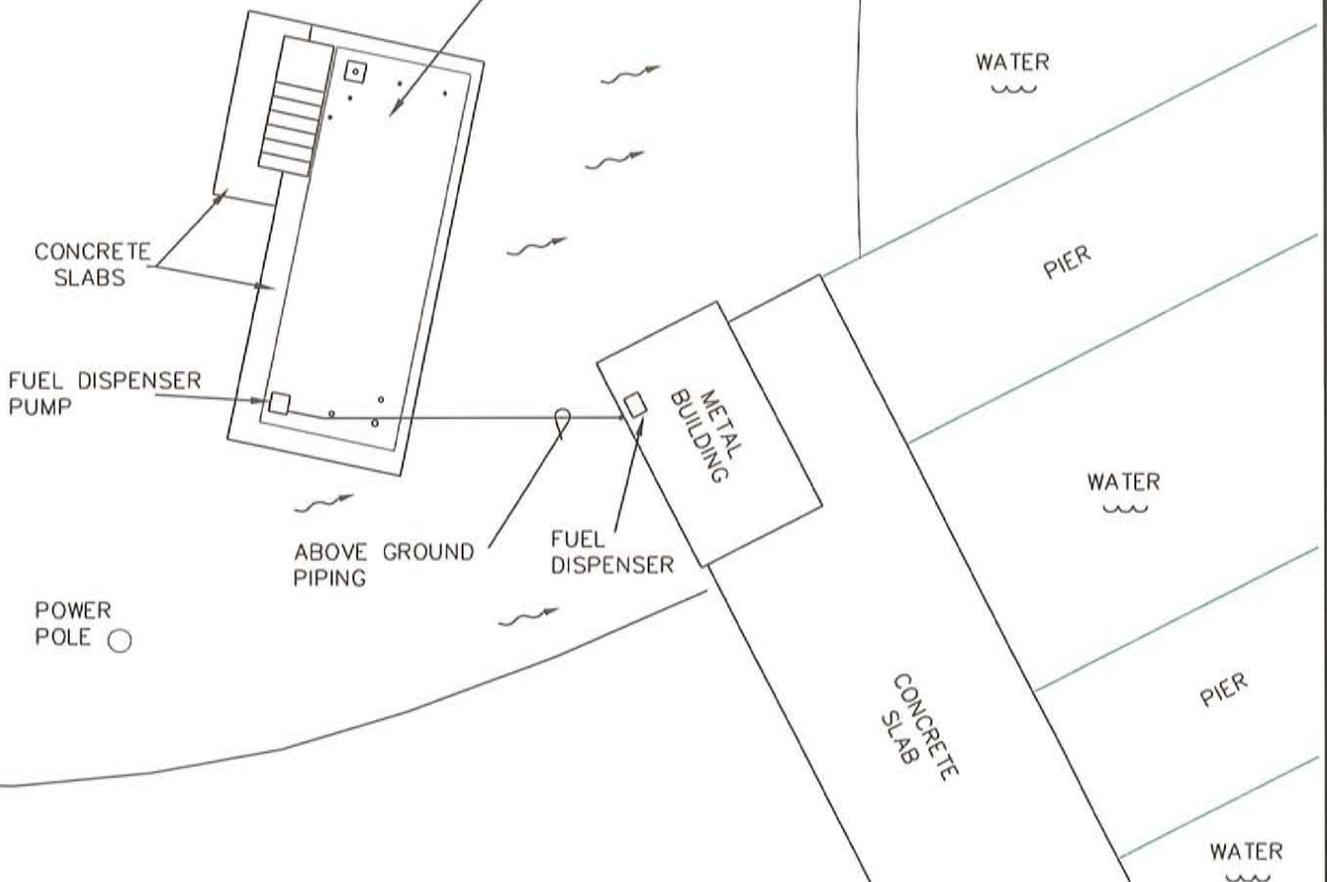
#### Tank F-02

Install anti-siphon valve on all aboveground piping routed outside secondary containment.



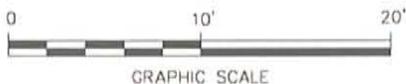
VICINITY MAP  
SCALE: 1" = 400'

TANK F-02  
4000 GALLON AST  
UNLEADED GASOLINE  
STORAGE TANK



**LEGEND**

APPROXIMATE DIRECTION OF SURFACE WATER FLOW



SOURCE: Base map (Sitemap\SF-02.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.  
Date October 1996, drawn at full scale.

NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**  
**SITE MAP OF TANK F-02**  
**FLEMING KEY**

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists **FIGURE 6-91**

X: OR L:  
P: STD-PC2\AP  
1/8/01 TAM-54-JAR  
880\88022\FLEM\88022FK4.DWG

### 6.5.3 Site KW-400 – Special Forces – Fire Pump Building KW-400

Building KW-400 is a fire pump station at the Special Forces Facility on the north end of Fleming Key. Fleming Key is bound on the north, west, and south by the Gulf of Mexico.

#### 6.5.3.1 Existing Tank – KW-400

This AST is found inside Building KW-400. Tank KW-400 is a 250-gallon ~~JP-8~~<sup>diesel</sup> tank within an 8" deep concrete containment (Figure 6-92). Any spills or leaks from this tank would discharge into the secondary containment and flow into the double-wall containment of the transfer piping from Building KW-200. ~~Interstitial monitoring provides leak detection.~~

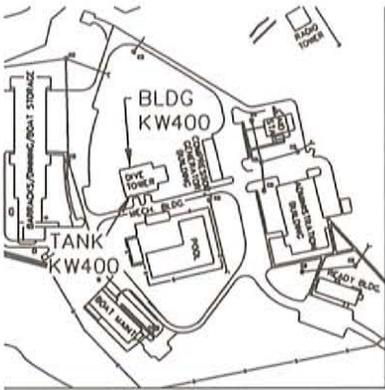
#### Tank KW-400

| Tank ID KW-400       |                                                                                                                        |
|----------------------|------------------------------------------------------------------------------------------------------------------------|
| Year of Installation | 1993                                                                                                                   |
| Size                 | 250-gallons                                                                                                            |
| Contents             | Diesel                                                                                                                 |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                                                  |
| Regulated - Florida  | Unregulated                                                                                                            |
| Status               | In-Service                                                                                                             |
| Tank Construction    | Painted Steel on Supports<br>Concrete secondary containment; manual gauging                                            |
| Piping               | Aboveground single-walled painted steel and underground painted steel within polyethylene-coated secondary containment |
| Leak Detection       | <del>Interstitial monitoring</del> , secondary containment<br>SPCC Plan<br>Visual inspection of AST systems            |

#### 6.5.3.2 Regulatory Compliance Requirements

##### Tank KW-400

None.



VICINITY MAP  
SCALE: 1" = 400'

BUILDING  
KW400

TANK KW-400  
250 GALLON AST  
PUMP DIESEL  
FUEL TANK

APPROXIMATE  
LOCATION OF  
SUPPLY PIPING

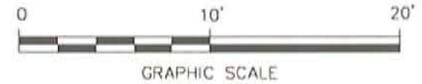
TO BLDG.  
KW200

APPROXIMATE  
LOCATION OF  
SUPPLY PIPING

CONCRETE  
SECONDARY  
CONTAINMENT

CONCRETE SLAB WITH  
FIRE PUMP & DIESEL ENGINE

PUMP



**LEGEND**

~ ~ ~ ~ ~  
APPROXIMATE DIRECTION  
OF SURFACE WATER FLOW

NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN

**SITE MAP OF TANK KW-400  
FLEMING KEY**

**BBL** **BLASLAND, BOUCK & LEE, INC.** **engineers & scientists** **FIGURE 6-92**

X: OR L:  
P: STD-PC2\AP  
1/8/01 TAM-54-JAR  
880\BB022\FLEM\88022FK6.DWG

SOURCE: Base map (Sitemap\KW400.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale.

#### 6.5.4 Site KW-600 – Special Forces – Boat Maintenance Facility Building KW-600

The Special Forces Boat Maintenance Facility Building KW-600 is located on the northern end of Fleming Key. Fleming Key is bound on the north, west, and south by the Gulf of Mexico.

##### 6.5.4.1 Existing Tank – KW-600

Tank KW-600 is an underground oil/water separator found southwest of Building KW-400 and north of Building KW-600 at the Fleming Key Special Forces facility (**Figure 6-93**). This tank collects used oil generated from maintenance activities conducted in Building KW-600. Segregated water from the separator discharges to the facility's sanitary sewer system. Used oil is collected and disposed of under a NAS Key West Public Works contract. The tank is currently out of service. Tank KW-600 is considered a process tank and is therefore exempt from state and federal regulations.

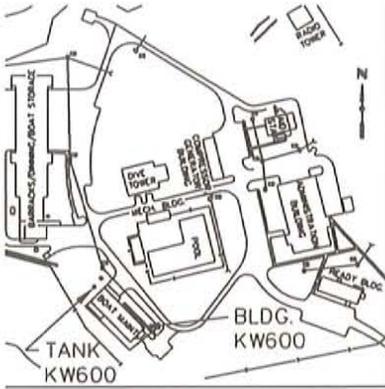
##### Tank KW-400

| Tank ID KW-600       |                |
|----------------------|----------------|
| Year of Installation | 1994           |
| Size                 | 400-gallons    |
| Contents             | Used Oil       |
| Regulated - Federal  | Unregulated    |
| Regulated - Florida  | Unregulated    |
| Status               | Out-of-Service |
| Tank Construction    | Fiberglass     |
| Piping               | Underground    |
| Leak Detection       | SPCC Plan      |

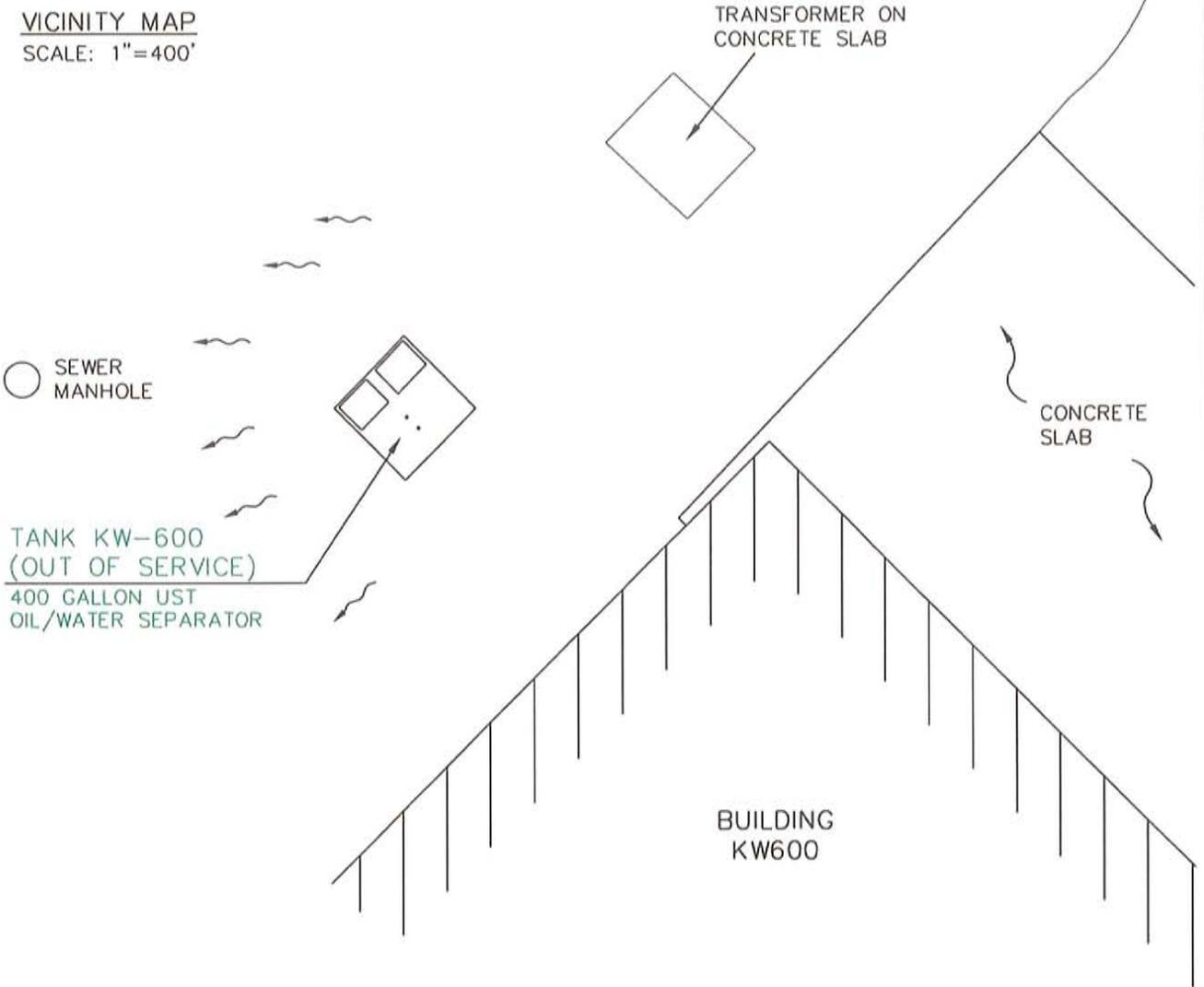
##### 6.5.4.2 Regulatory Compliance Requirements

##### Tank KW-600

None. Recommend closing the system.

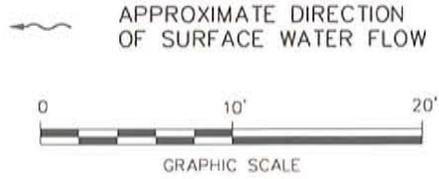


VICINITY MAP  
SCALE: 1" = 400'



TANK KW-600  
(OUT OF SERVICE)  
400 GALLON UST  
OIL/WATER SEPARATOR

**LEGEND**



NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**  
**SITE MAP OF TANK KW-600**  
**FLEMING KEY**

X: OR L:  
P: STD-PC2\AP  
1/8/01 TAM-54-JAR  
880\88022\FLEM\88022FK7.DWG

SOURCE: Base map (Sitemap\KW6000WS.dwg)  
provided by 'RUST ENVIRONMENTAL &  
INFRASTRUCTURE'. Date October 1996, drawn at  
full scale.



BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

## **6.5.5 Fleming Key Harry S. Truman Animal Import Center**

The United States Department of Agriculture (USDA) Harry S. Truman Animal Import Center is located on Fleming Key south of the Special Forces facility. This site had four storage tanks: USDA-1, USDA-2, USDA-3, and USDA-4.

### **6.5.5.1 Closed Tanks – USDA-1, USDA-2, USDA-3, UDSA-4**

#### Tank USDA-1

Tank USDA-1 was found on the southwest corner of the facility (**Figure 6-94**). The 8,000-gallon UST was closed by removal.

#### Tanks USDA-2, USDA-3

Tanks USDA-2 and USDA-3 were 4,000-gallon USTs. These tanks were located on the northwest side of the USDA facility (**Figure 6-95**). The tanks were closed by removal.

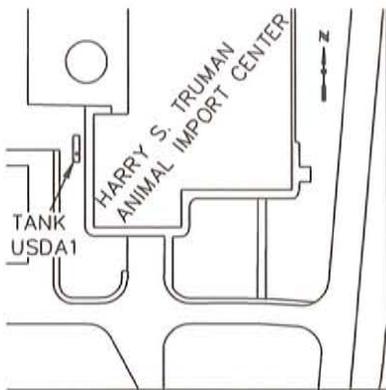
#### Tanks USDA-4

Tank USDA-4 was a 250-gallon AST (**Figure 6-96**). The tank was closed by removal.

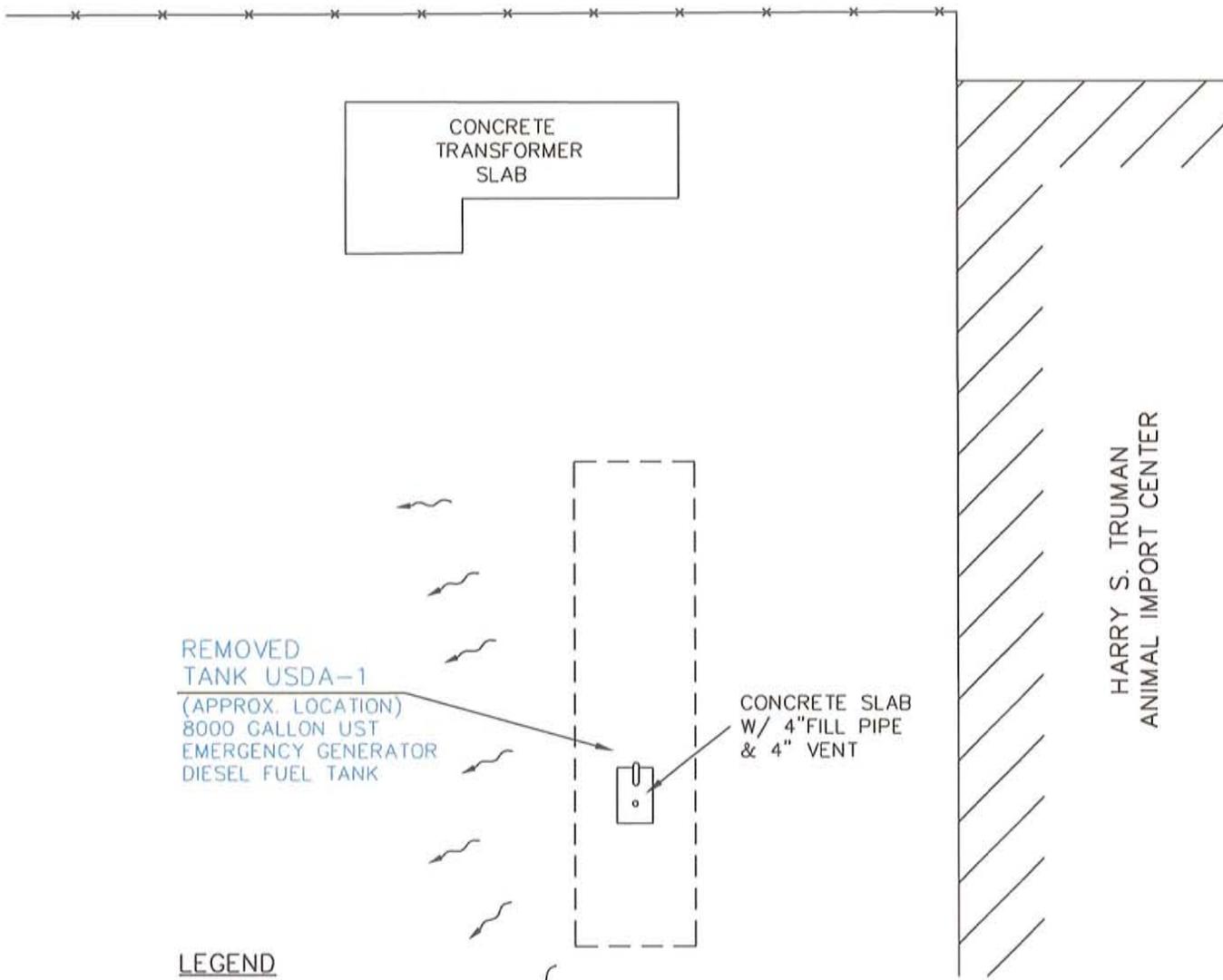
### **6.5.5.2 Regulatory Compliance Requirements**

#### Closed Tanks USDA-1, USDA-2, USDA-3, USDA-4

None.

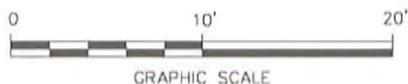


**VICINITY MAP**  
SCALE: 1"=200'



**LEGEND**

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE



NAVAL AIR STATION  
KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

---

**SITE MAP OF FORMER  
TANK USDA-1 - FLEMING KEY**

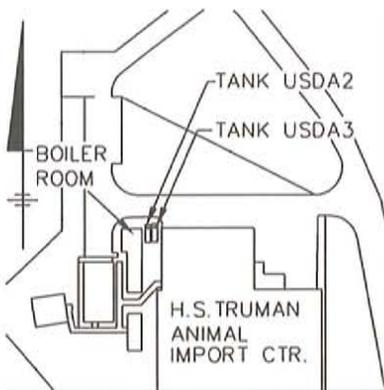
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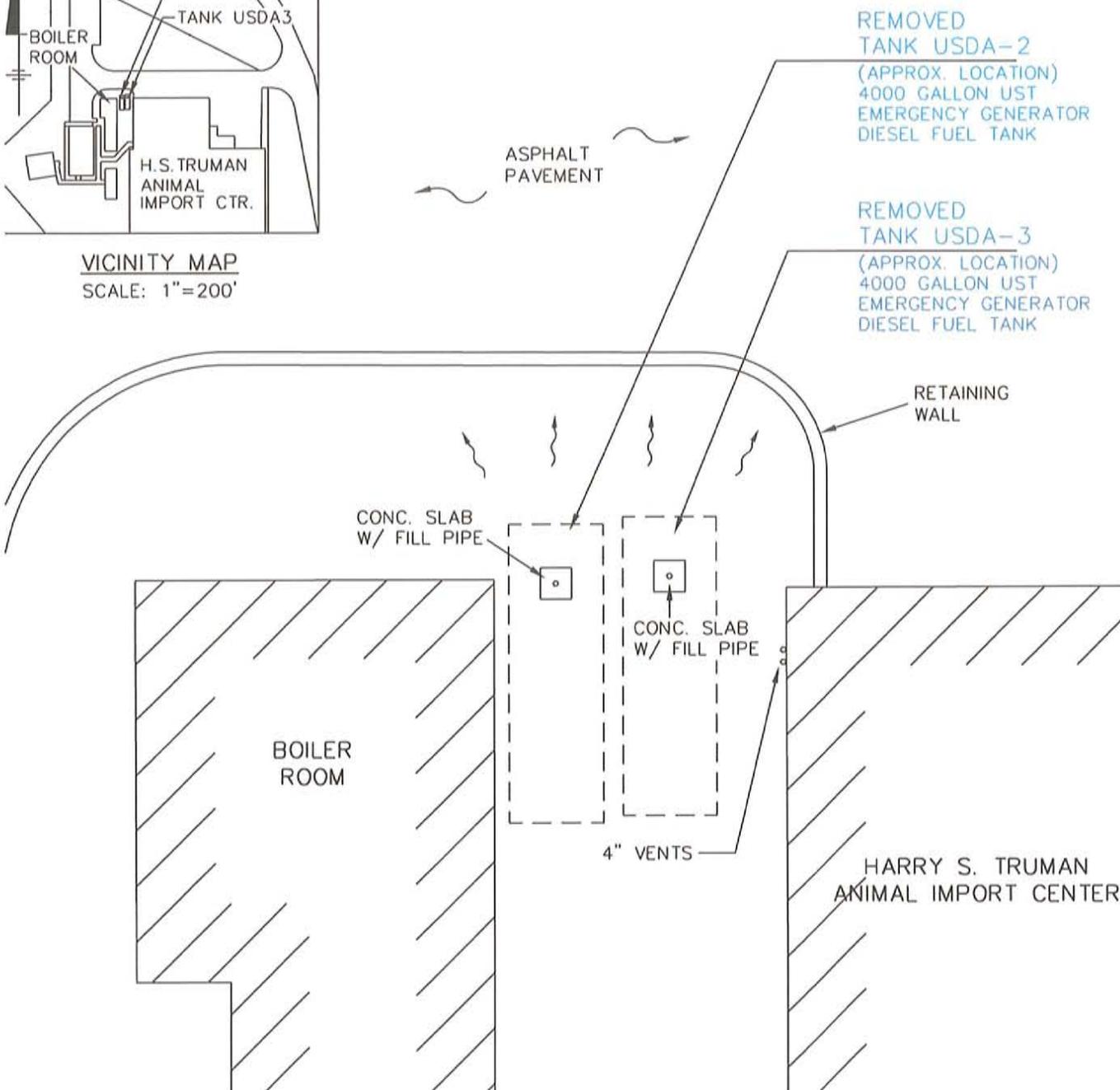
FIGURE  
**6-94**

X: OR L:  
P: NAVY-AP PC2  
2/19/01 TAM-54-JAR  
880\88022\FLEM\88022FK8.DWG

SOURCE: Base map (Sitemap\USDA1.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE', Date October 1996, drawn at full scale.

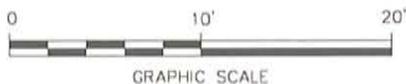


VICINITY MAP  
SCALE: 1"=200'



LEGEND

~ APPROXIMATE DIRECTION OF SURFACE WATER FLOW



NAVAL AIR STATION  
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

SITE MAP OF FORMER TANKS  
USDA-2 & USDA-3 - FLEMING KEY

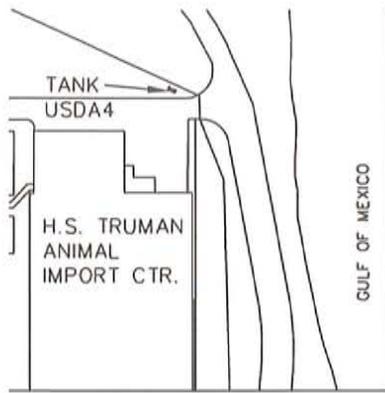
X: OR L:  
P: NAVY-AP/PC2  
2/19/01 TAM-54-JAR  
880\88022\FLEM\88022FK9.DWG

SOURCE: Base map (Sitemap\USDA2-3.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale.

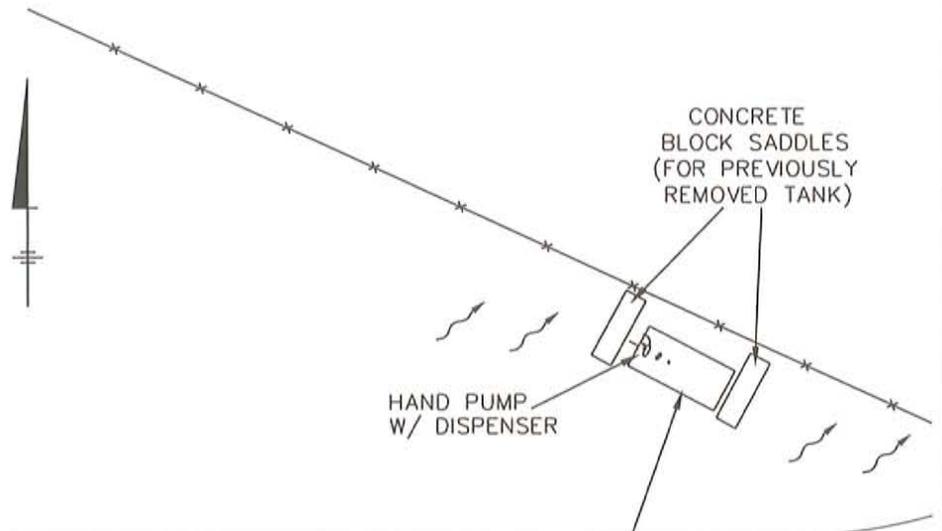
**BBL**

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engineers & scientists

FIGURE  
**6-95**

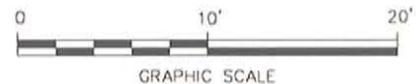


VICINITY MAP  
SCALE: 1"=200'



LEGEND

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE



NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN

SITE MAP OF FORMER TANK  
USDA-4 - FLEMING KEY

**BBL**

BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-96**

### 6.5.6 Site F-1761 – Fleming Key Harry S. Truman Animal Import Center

The Fleming Key USDA Harry S. Truman Animal Import Center is located at the northern portion of Fleming Key. Fleming Key is bound to the north, west, and south by the Gulf of Mexico.

#### 6.5.6.1 Existing Tank – F-1761

Tank F-1761 is a 250-gallon AST (**Figure 6-97**). The tank is currently out of service. The tank should be closed permanently.

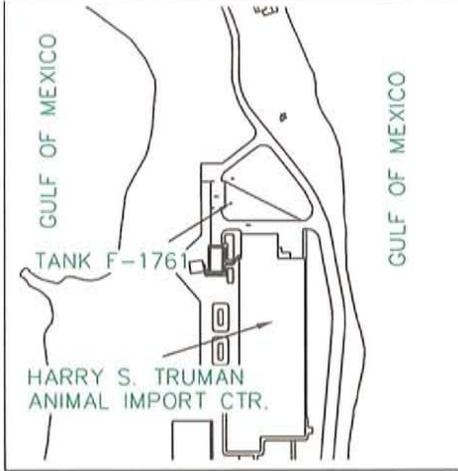
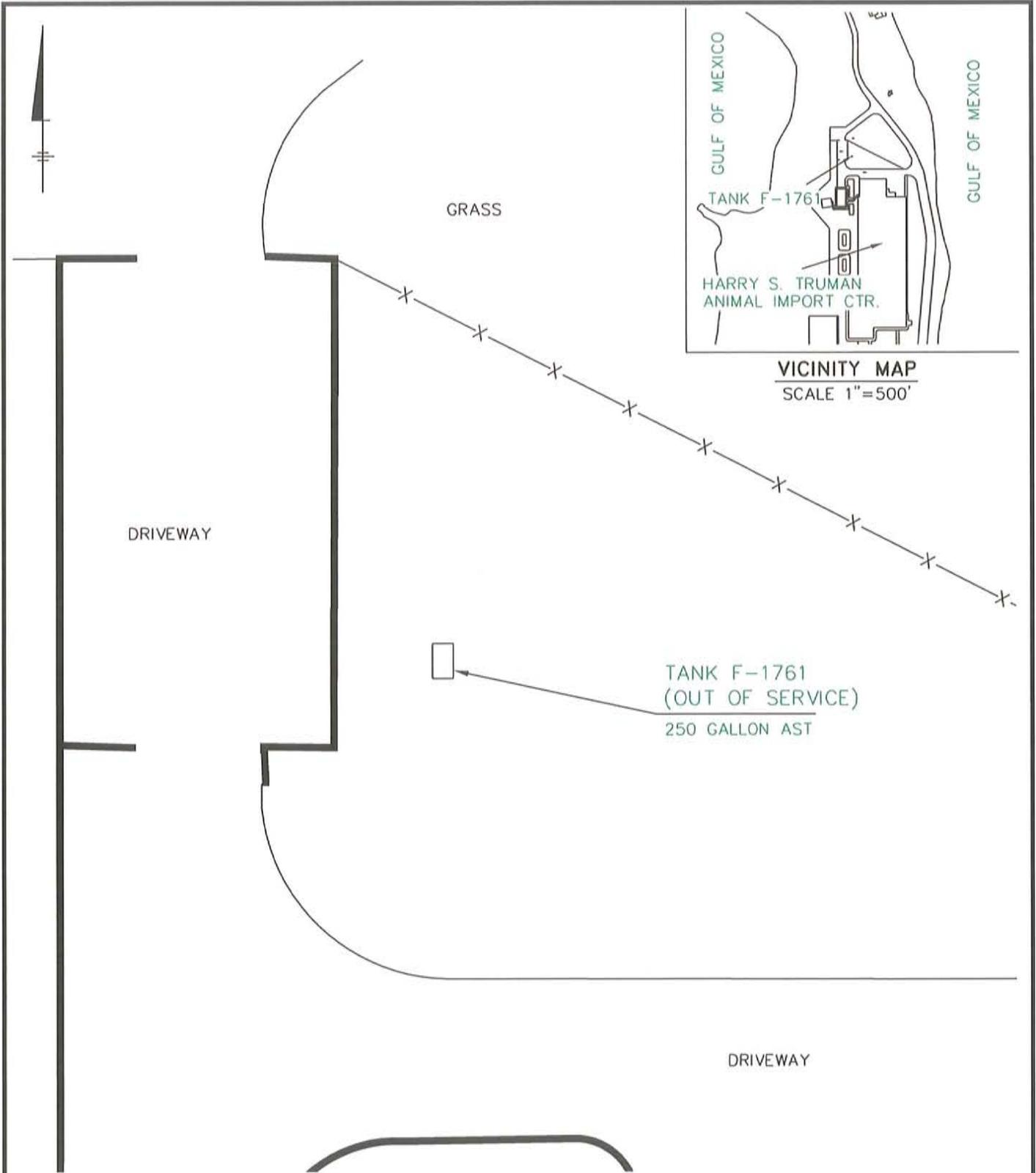
##### Tank F-1761

| Tank ID F-1761       |                |
|----------------------|----------------|
| Year of Installation | Unknown        |
| Size                 | 250-gallons    |
| Contents             | Unknown        |
| Regulated - Federal  | Unregulated    |
| Regulated - Florida  | Unregulated    |
| Status               | Out-of-Service |
| Tank Construction    | Aboveground    |
| Piping               | Unknown        |
| Leak Detection       | Unknown        |

#### 6.5.6.2 Regulatory Compliance Requirements

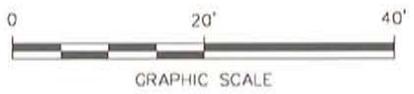
##### Tank F-1761

None.



VICINITY MAP  
SCALE 1"=500'

NOTE: EXACT LOCATION OF TANK UNKNOWN.



|                                                                       |                                                                  |
|-----------------------------------------------------------------------|------------------------------------------------------------------|
| NAVAL AIR STATION<br>KEY WEST, FLORIDA<br><b>TANK MANAGEMENT PLAN</b> |                                                                  |
| <b>SITE MAP OF TANK F-1761<br/>         FLEMING KEY</b>               |                                                                  |
| <b>BBL</b>                                                            | BLASLAND, BOUCK & LEE, INC.<br><i>engineers &amp; scientists</i> |
| <b>FIGURE<br/>         6-97</b>                                       |                                                                  |

X: OR U  
 P: NAVY-AP.PC2  
 2/19/01 TAM-54-JAR  
 880\88022\FLEM\88022FKB.DWG  
 SOURCE: Base map (37147N04.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale., 'OIL SPILL PREVENTION CONTROL & COUNTERMEASURES PLAN', April 1996 (Revised Feb. 2000).

## **6.5.7 Site F-15 – Naval Research Lab**

The Naval Research Facility Building F-15 is located on Fleming Key east of Building F-11 and adjacent to the east is the Gulf of Mexico. Activities at this facility include the experimentation with various metals and coatings to determine their vulnerability to the effects of saltwater.

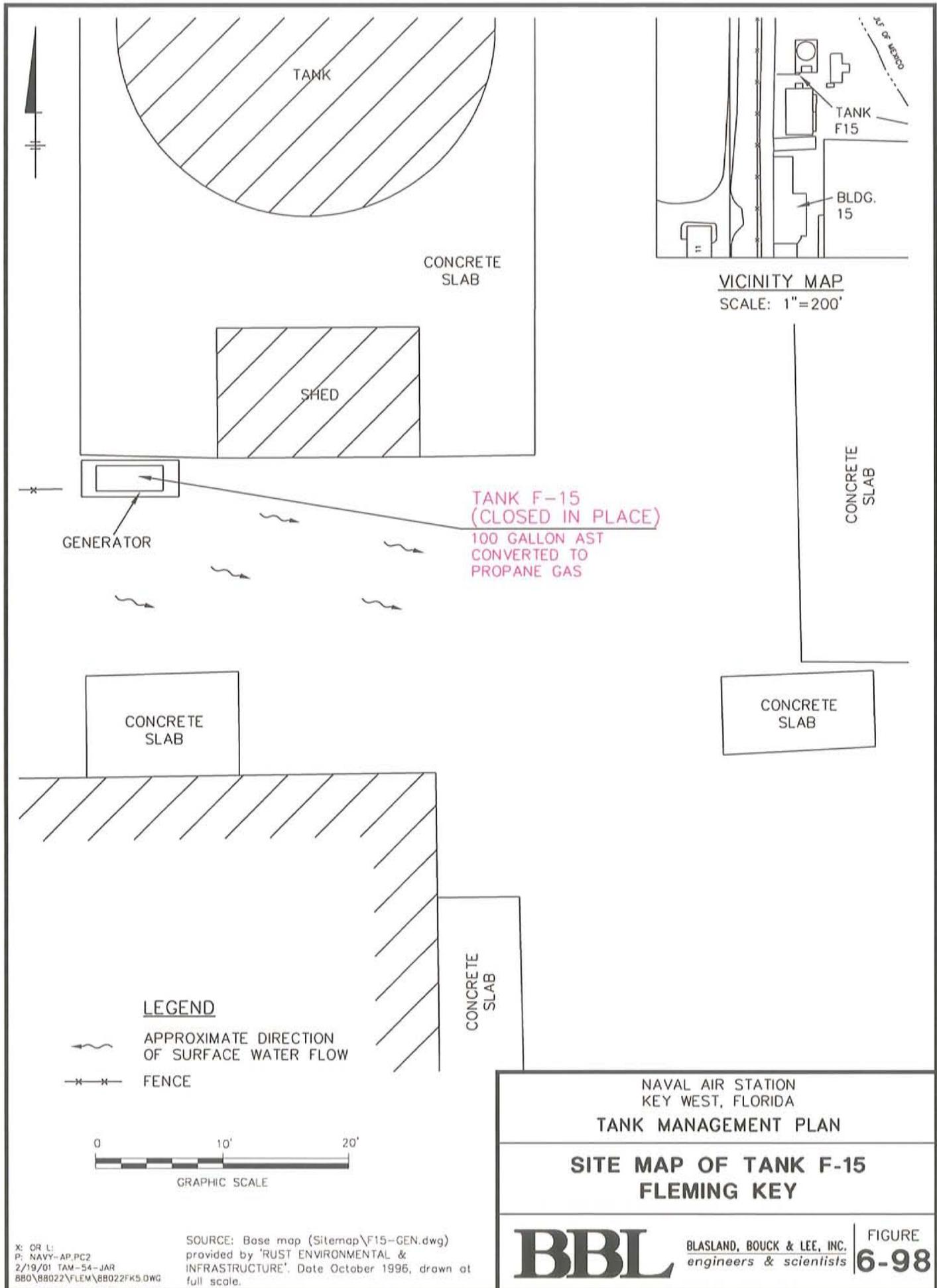
### **6.5.7.1 Closed Tank – F-15**

Tank F-15 was a 100-gallon diesel fuel tank attached to the base of an emergency generator and located on the north side of the lab (**Figure 6-98**). This tank has been converted to propane use. During a recent site visit, a small amount of diesel remained in the tank.

### **6.5.7.2 Regulatory Compliance Requirements**

#### Closed Tank F-15

None. Remove any remaining diesel in the tank.



X: OR L:  
 P: NAVY-AP-PC2  
 2/19/01 TAM-54-JAR  
 BBO\88022\FLEM\88022FK5.DWG

SOURCE: Base map (Sitemap\F15-GEN.dwg)  
 provided by 'RUST ENVIRONMENTAL &  
 INFRASTRUCTURE'. Date October 1996, drawn at  
 full scale.

NAVAL AIR STATION  
 KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

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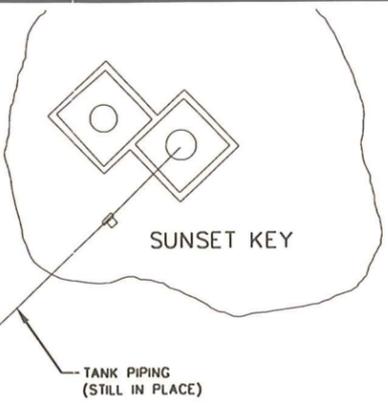
**SITE MAP OF TANK F-15**  
**FLEMING KEY**

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**BBL** BLASLAND, BOUCK & LEE, INC.  
 engineers & scientists **FIGURE 6-98**

## 6.6 Truman Annex

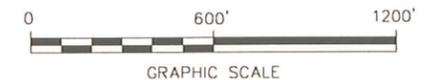
The Truman Annex is located at the western end of Key West. General site maps are provided as **Figures 6-99 through 6-101**.



- TOPOGRAPHIC MAP SYMBOLS
- HORIZONTAL CONTROL POINT
  - SHORE OR DRAINAGE LINE
  - BUILDING
  - ROAD, DRIVE (PAVED)
  - ROAD, DRIVE (UNPAVED)
  - FENCE
  - WETLAND AREA
  - TREE CLUSTER
- L19** TANK NAME  
(REMOVED, UST) TANK STATUS
- UST UNDERGROUND STORAGE TANK
  - AST ABOVEGROUND STORAGE TANK
  - O/W OIL/WATER SEPARATOR

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:  
GENERAL DEVELOPMENT MAP OF THE EXISTING  
CONDITIONS FOR TRUMAN ANNEX NAS KEY  
WEST, FL. BY SOUTHERN RESOURCE MAPPING  
CORPORATION, HOLLY HILL, FL. DATE OF  
PHOTOGRAPHY: NOVEMBER 3, 1994.



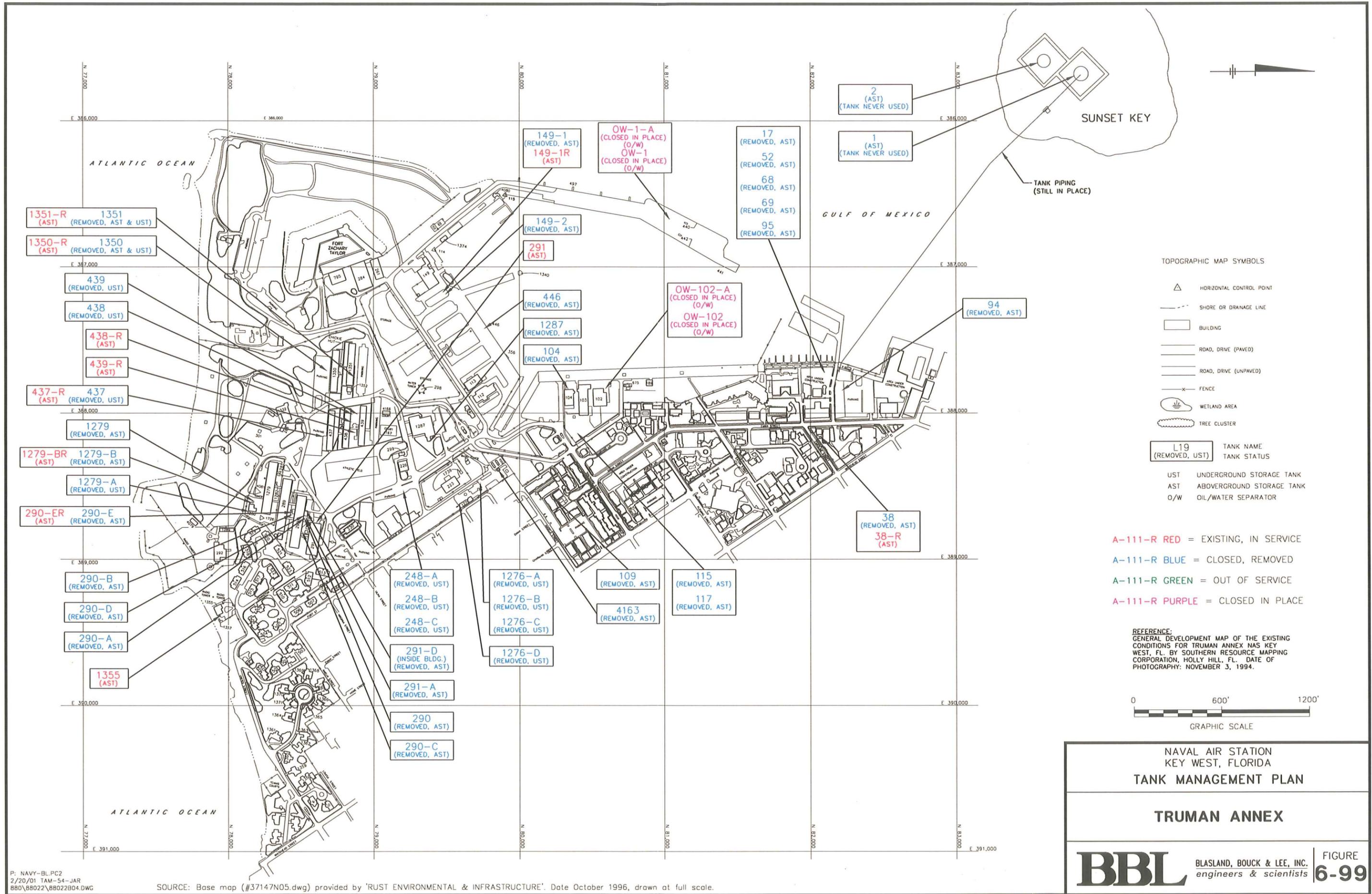
NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN

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**TRUMAN ANNEX  
(EXISTING TANKS)**

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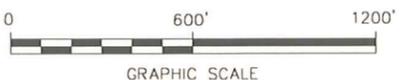
**BBL** BLASLAND, BOUCK & LEE, INC. **FIGURE**  
engineers & scientists **6-100**



- TOPOGRAPHIC MAP SYMBOLS
- HORIZONTAL CONTROL POINT
  - SHORE OR DRAINAGE LINE
  - BUILDING
  - ROAD, DRIVE (PAVED)
  - ROAD, DRIVE (UNPAVED)
  - FENCE
  - WETLAND AREA
  - TREE CLUSTER
- L19**  
(REMOVED, UST) TANK NAME  
TANK STATUS
- UST UNDERGROUND STORAGE TANK
  - AST ABOVEGROUND STORAGE TANK
  - O/W OIL/WATER SEPARATOR

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:  
GENERAL DEVELOPMENT MAP OF THE EXISTING  
CONDITIONS FOR TRUMAN ANNEX NAS KEY  
WEST, FL. BY SOUTHERN RESOURCE MAPPING  
CORPORATION, HOLLY HILL, FL. DATE OF  
PHOTOGRAPHY: NOVEMBER 3, 1994.



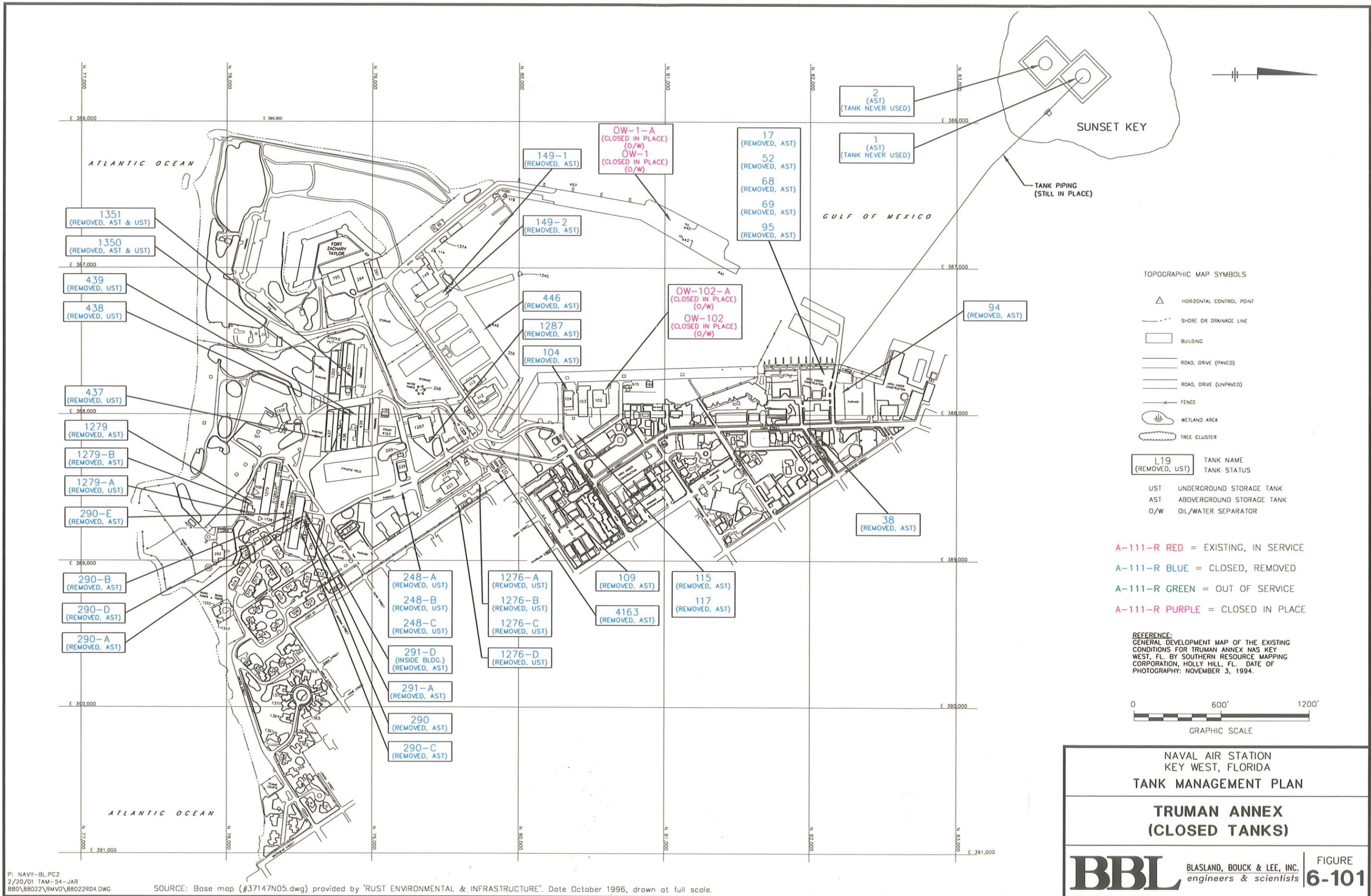
NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**

---

**TRUMAN ANNEX**

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**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists **FIGURE 6-99**



NAVAL AIR STATION  
 KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**

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**TRUMAN ANNEX  
 (CLOSED TANKS)**

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**BBL** BLASLAND, BOUCK & LEE, INC.  
 engineers & scientists **FIGURE 6-101**

## **6.6.1 Site 1 – Truman Annex Tank Island (Sunset Key)**

Truman Annex Tank Island is located approximately 2,200 feet northwest of Truman Annex.

### **6.6.1.1 Closed Tanks – 1, 2**

Tank 1 and Tank 2 were located approximately 2,190 feet northwest of Truman Annex on a small island now called Sunset Key. The ASTs, both 1,680,000-gallons, were never put into service. The tanks were closed by removal in 1987. The piping remains in place, but was never used.

### **6.6.1.2 Regulatory Compliance Requirements**

#### Closed Tanks 1 and 2

None.

## **6.6.2 Site 17 – Truman Annex Fuel Farm**

Truman Annex Fuel Farm was located at the northern portion of the Annex.

### **6.6.2.1 Closed Tank – 17**

Formerly AST 17 (70,000-gallon) was located at this site. Tank 17 was closed by removal in 1987. No Closure Report was prepared.

### **6.6.2.2 Regulatory Compliance Requirements**

Closed Tank 17

None.

### 6.6.3 Site 38-R – Truman Annex Potable Water Pump Station – Building 38

The potable water pump station, Building 38, is on the corner of Front and Caroline Street.

#### 6.6.3.1 Existing Tank – 38-R

Present at the site is a 250-gallon AST containing JP-5 (**Figure 6-102**).

##### Tank 38-R

| Tank ID 38-R         |                                                       |
|----------------------|-------------------------------------------------------|
| Year of Installation | 1998                                                  |
| Size                 | 250-gallons                                           |
| Contents             | JP-5                                                  |
| Regulated - Federal  | Regulated; 40 CFR 112                                 |
| Regulated - Florida  | Unregulated                                           |
| Status               | In-Service                                            |
| Tank Construction    | Vaulted                                               |
| Piping               | Aboveground unpainted copper<br>Suction piping system |
| Leak Detection       | Visual inspection of AST systems<br>SPCC Plan         |

#### 6.6.3.2 Closed Tank – 38

Formerly located at this site was a 300-gallon JP-5 AST (**Figure 6-102**). Fuel from this tank was used to power the pump station's water pumps during power outages. Tank 38 had no secondary containment and was found on the eastside of Building 38. The tank has been closed by removal.

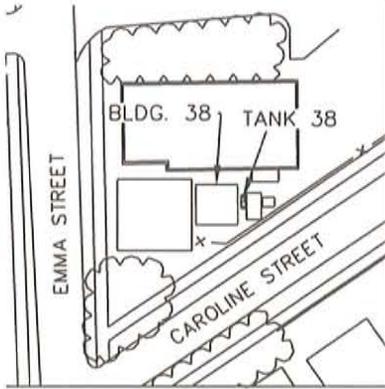
#### 6.6.3.3 Regulatory Compliance Requirements

##### Tank 38-R

None.

##### Closed Tank 38

None.



TANK 38-R  
250 GALLON AST  
JP-5 VAULTED  
(SAME LOCATION)

REMOVED  
TANK 38  
300 GALLON AST  
PUMP DIESEL  
FUEL TANK

VAULT

ABOVE GROUND  
SUPPLY/RETURN PIPING

TRANSFORMER ON  
CONCRETE SLAB

BUILDING  
38

WATER  
PLANT  
PUMP  
HOUSE

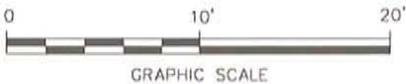
CONCRETE SLAB

SIDEWALK

CAROLINE STREET

**LEGEND**

-  APPROXIMATE DIRECTION OF SURFACE WATER FLOW
-  FENCE



NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**  
**SITE MAP OF TANK 38-R  
AND FORMER TANK 38  
TRUMAN ANNEX**

X: OR L:  
P: STD-PC2\AP  
1/8/01 TAM-54-JAR  
B80\88022\TRMN\88022TRA.DWG

SOURCE: Base map (Sitemap\38.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-102**

## **6.6.4 Truman Annex Fuel Farm**

### **6.6.4.1 Closed Tanks – 52, 68, 69, 94, 95**

Former ASTs 52 (74,000-gallon), 68 (71,000-gallon), 69 (835,000-gallon), and 95 (420,000-gallon) were listed as located at the former Fuel Farm located at the northern portion of the Annex. The tanks were closed by removal in 1987 except for Tank 94, which was closed in 1980. The only site-specific map available was for Tank 94 (**Figure 6-103**). Only general locations based on building numbers could be found for the other tanks (**Figure 6-101**).

### **6.6.4.2 Regulatory Compliance Requirements**

Closed Tanks 52, 68, 69, 94, 95

None.



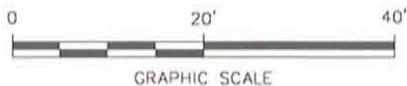
VICINITY MAP  
SCALE 1" = 200'

# PARKING

REMOVED  
TANK 94  
835,000 GALLON AST



NOTE: PRECISE LOCATION OF TANKS UNKNOWN.



NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN

## SITE MAP OF FORMER TANK 94 TRUMAN ANNEX

## 6.6.5 Site 104 – Truman Annex

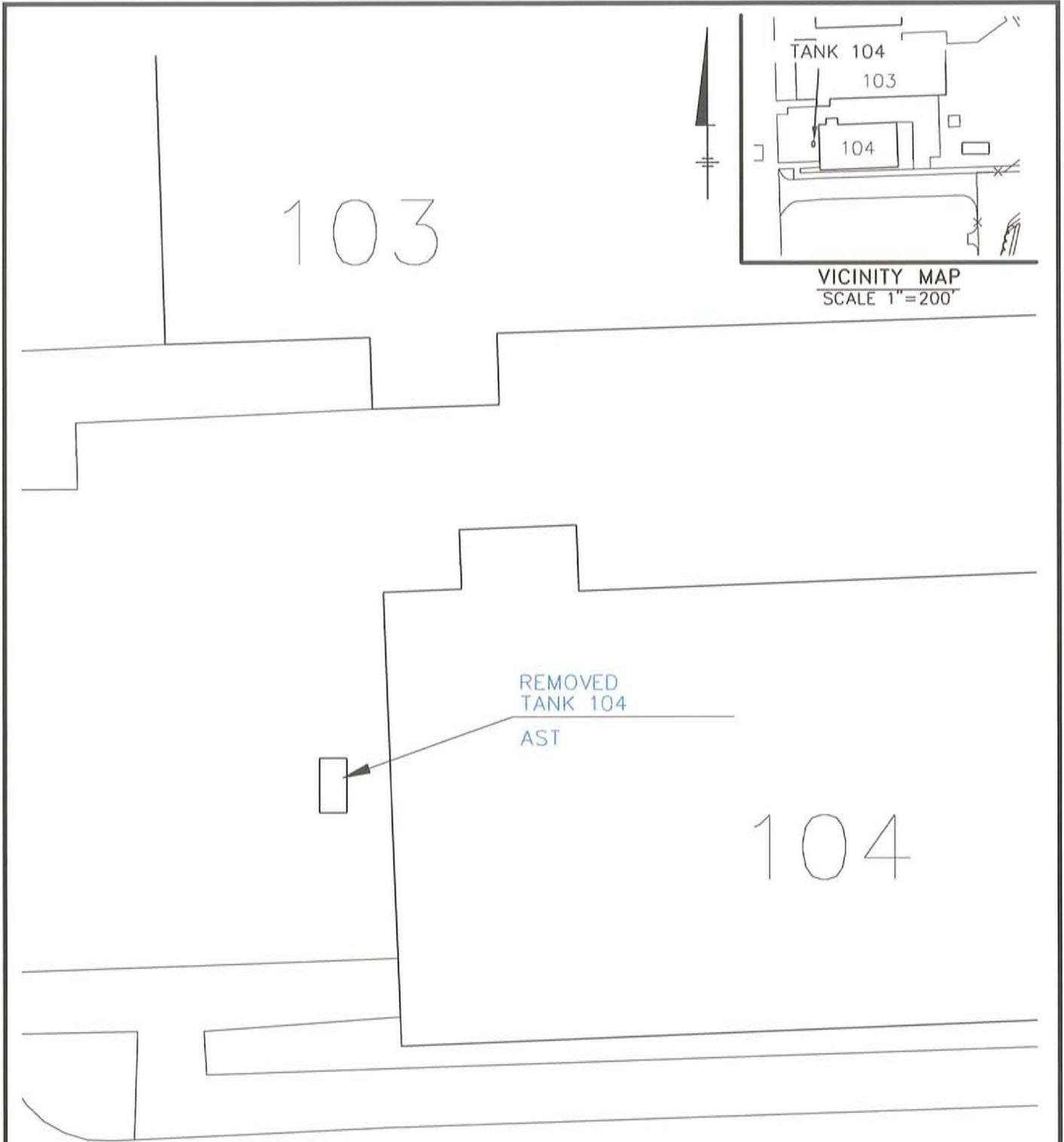
### 6.6.5.1 Closed Tank – 104

Formerly located in Truman Annex area was AST 104. The AST was located adjacent to, on the west side, Building 104 (Figure 6-104). The tank was closed by removal in 1992. No additional information is known of this tank.

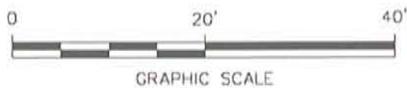
### 6.6.5.2 Regulatory Compliance Requirements

#### Closed Tank 104

None.



NOTE: PRECISE LOCATION OF TANKS UNKNOWN.



NAVAL AIR STATION  
 KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**

---

**SITE MAP OF FORMER TANK 104**  
**TRUMAN ANNEX**

P: STD-PC2\BL  
 1/8/01 TAM-54-JAR  
 880\88022\TRMN\88022TRU.DWG

SOURCE: Base map (#37147N03.dwg) provided by  
 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date  
 January 1997, drawn at full scale.

**BBL** BLASLAND, BOUCK & LEE, INC.  
 engineers & scientists | **FIGURE 6-104**

## **6.6.6 Site 109 – Truman Annex**

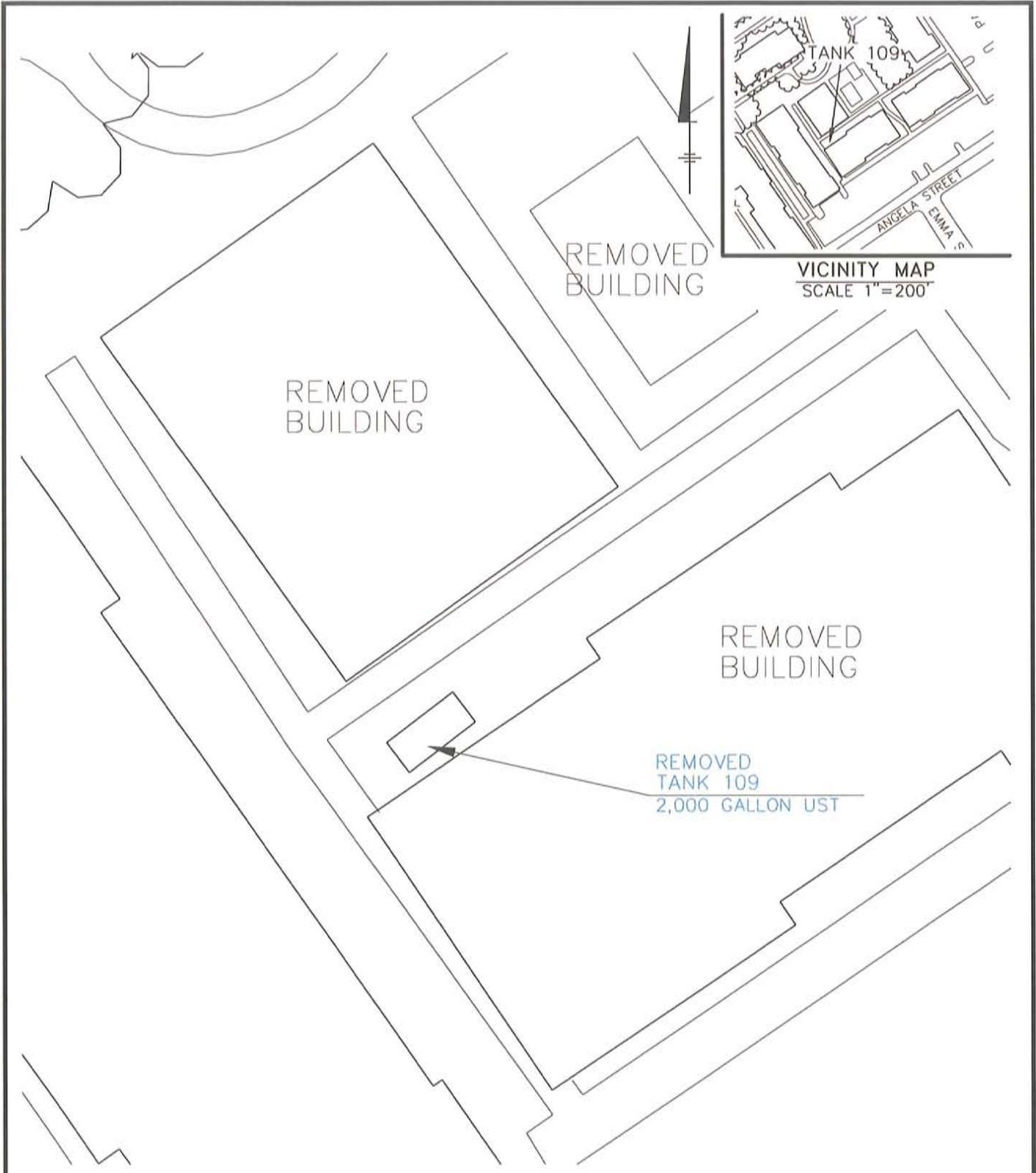
### **6.6.6.1 Closed Tank – 109**

Formerly located in the Truman Annex area, north of Angela Street, was AST 109 (**Figure 6-105**). The tank had a capacity of 2,000-gallons and contained fuel oil for on-site heating purposes. The tank has been closed by removal.

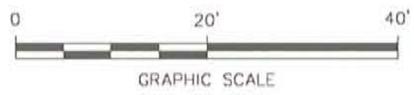
### **6.6.6.2 Regulatory Compliance Requirements**

#### Closed Tank 109

None.



NOTE: PRECISE LOCATION OF TANKS UNKNOWN.



|                                                                                |                        |
|--------------------------------------------------------------------------------|------------------------|
| NAVAL AIR STATION<br>KEY WEST, FLORIDA<br><b>TANK MANAGEMENT PLAN</b>          |                        |
| <b>SITE MAP OF FORMER TANK 109<br/>         TRUMAN ANNEX</b>                   |                        |
| <b>BBL</b><br>BLASLAND, BOUCK & LEE, INC.<br><i>engineers &amp; scientists</i> | FIGURE<br><b>6-105</b> |

PI: NAVY-AP.PC2  
 2/20/01 TAM-54-JAR  
 880\88022\TRMN\88022TRT.DWG

SOURCE: Base map (#37147N03.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale.

## **6.6.7 Site 115 – Truman Annex Bulk Fuel Storage**

### **6.6.7.1 Closed Tank – 115**

Formerly located southeast of Building 103 and west of Building 104 was Tank 115 at the Truman Annex (**Figure 6-106**). This AST had a capacity of 227,178-gallons and contained fuel oil for distribution. A site assessment was performed on April 30, 1996. No environmental concerns remain. The tank was removed at an earlier date.

### **6.6.7.2 Regulatory Compliance Requirements**

#### Closed Tank 115

None.

## **6.6.8 Site 117 – Truman Annex Bulk Fuel Storage**

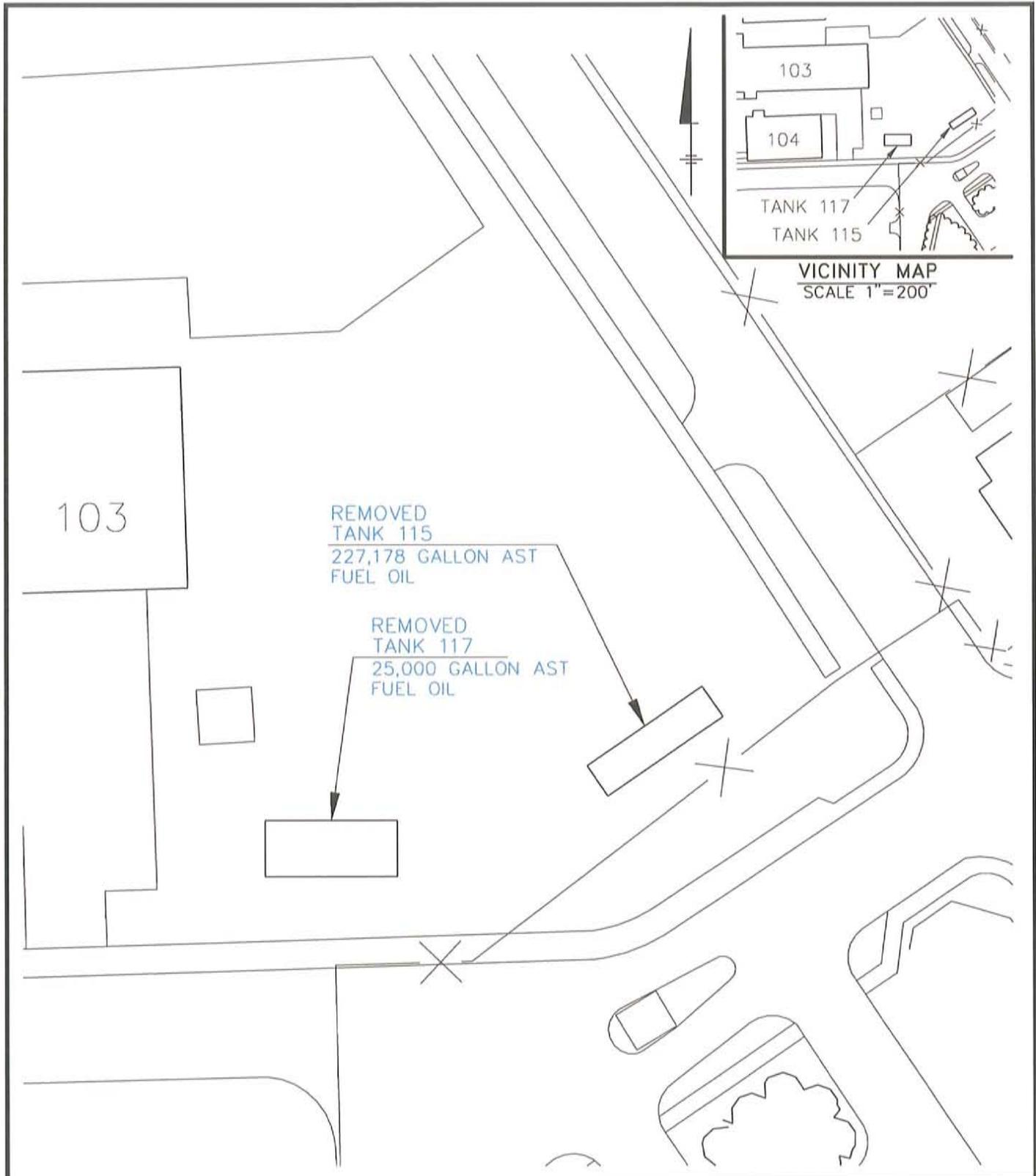
### **6.6.8.1 Closed Tank – 117**

Formerly located southeast of Building 103 and west of Building 104 was Tank 117 at the Truman Annex (**Figure 6-106**). This AST had a capacity of 25,000-gallons and contained fuel oil for distribution. A site assessment was performed on April 30, 1996. No environmental concerns were reported to remain at this site. The tank was removed at an earlier date.

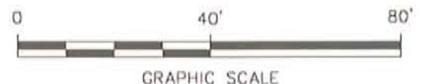
### **6.6.8.2 Regulatory Compliance Requirements**

#### Closed Tank 117

None.



NOTE: PRECISE LOCATION OF TANKS UNKNOWN.



|                                                                                      |                                                                  |
|--------------------------------------------------------------------------------------|------------------------------------------------------------------|
| NAVAL AIR STATION<br>KEY WEST, FLORIDA                                               |                                                                  |
| <b>TANK MANAGEMENT PLAN</b>                                                          |                                                                  |
| <b>SITE MAP OF FORMER<br/>         TANKS 115 &amp; 117<br/>         TRUMAN ANNEX</b> |                                                                  |
| <b>BBL</b>                                                                           | BLASLAND, BOUCK & LEE, INC.<br><i>engineers &amp; scientists</i> |
| FIGURE<br><b>6-106</b>                                                               |                                                                  |

P: STD-PC2\BL  
 1/8/01 TAM-54-JAR  
 BBO\BBO22\TRMN\BBO22TRQ.DWG

SOURCE: Base map (#37147N03.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale.

### 6.6.9 Site 149 – Truman Annex Port Services – Building 149

The Truman Annex Port Services facility is located east of Building 149 at the south end of Truman Annex Basin adjacent to Pier 8. The fueling facilities are used to fuel Naval marine and shore vehicles.

#### 6.6.9.1 Existing Tank – 149-1R

This site includes one vaulted AST, 149-1R, installed in 1996 (Figure 6-107). The tank contains unleaded gasoline.

##### Tank 149-1R

| Tank ID 149-1R       |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1996                                                                                      |
| Size                 | 1,000-gallons                                                                             |
| Contents             | Unleaded gasoline                                                                         |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Regulated; FAC 62-761                                                                     |
| Status               | In-Service                                                                                |
| Tank Construction    | Vaulted<br>Double-walled<br>Overfill protection – level gauges, alarm                     |
| Piping               | Aboveground<br>Pressurized piping system                                                  |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

#### 6.6.9.2 Closed Tanks – 149-1, 149-1, 149-2, 149-2, 149-2-R

The site originally had two ASTs (Figure 6-107). Tank 149-1 had a capacity of 2,000-gallons and tank 149-2 a 1,000-gallon capacity. Both tanks contained unleaded gasoline and were equipped with a fuel level gauge. Fuel issues are gravity fed via 1-1/2" piping through two standard dispenser pumps. The tanks, 149-1 and 149-2, were removed in 1980.

Replacement tanks for 149-1 and 149-2 were also named 149-1 and 149-2. These two ASTs were located inside the same 4-foot deep valved concrete secondary containment. Tank 149-1 was a 4,000-gallon vehicular diesel fuel tank. Tank 149-2 was a 2,000-gallon unleaded gasoline tank. Both tanks, 149-1 and 149-2, were closed by removal on August 23, 1996. A soil IRA was performed at the site with a recommendation of a NFA.

Tanks 149-1 and 149-2 were replaced by Tanks 149-1R and 149-2R. Tank 149-2-R was a vaulted, 1,000-gallon AST. It is currently stored at Hangar C-1 at Trumbo Point.

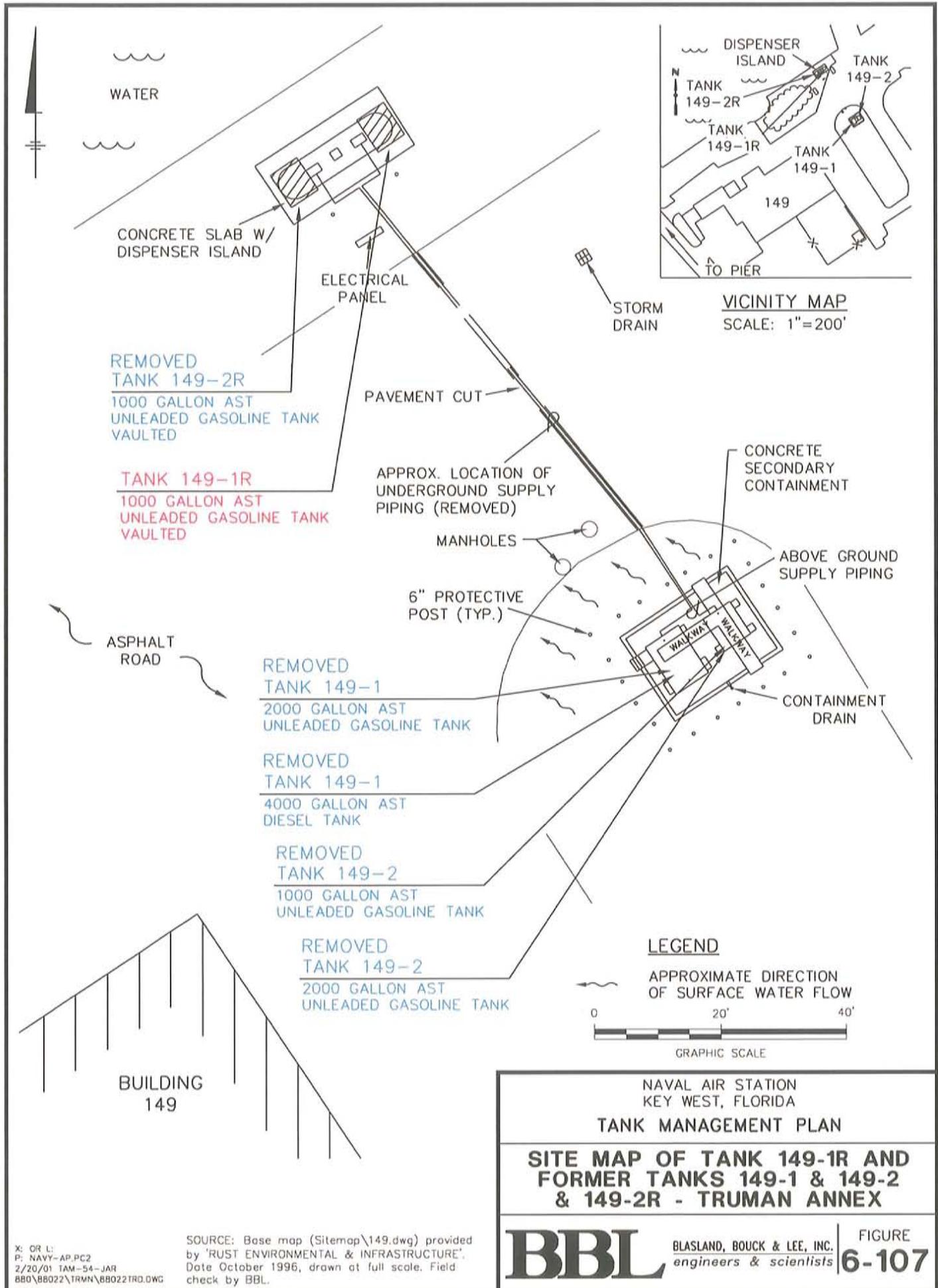
### **6.6.9.3 Regulatory Compliance Requirements**

#### Tank 149-1R

Install anti-siphon valve on all aboveground piping routed outside secondary containment.

#### Closed Tanks 149-1, 149-1, 149-2, 149-2

None.



## **6.6.10 Site 248 – Truman Annex Service Station**

### **6.6.10.1 Closed Tanks – 248-A, 248-B, 248-C**

Three USTs were located at the Truman Annex, Tank 248-A (5,000-gallon unleaded fuel), Tank 248-B (5,000-gallon unleaded fuel), and Tank 248-C (8,000-gallon leaded fuel). Tanks 248-A and 248-B were closed by removal in 1995. Tank 248-C was closed by removal in 1992.

### **6.6.10.2 Regulatory Compliance Requirements**

#### Closed Tanks 248-A, 248-B, 248-C

None.

### 6.6.11 Site 290 – Truman Annex JSSROC Building 290

The JSSROC Building 290 is located south of Building 291 on Ulna Street at the Truman Annex.

#### 6.6.11.1 Existing Tank – 290-ER

Tank 290-ER is located north of Building 290 and south of Building 291 (**Figure 6-108**). This 6,000-gallon JP-5 AST provides fuel to an emergency generator for use in case of an electrical outage. Tank 290-ER is vaulted tank with interstitial monitoring.

#### Tank 290-ER

| Tank ID 290-ER       |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1997                                                                                      |
| Size                 | 6,000-gallons                                                                             |
| Contents             | JP-5                                                                                      |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Regulated; FAC 62-761                                                                     |
| Status               | In-Service                                                                                |
| Tank Construction    | Vaulted<br>Double-walled<br>Overfill protection – tight fill<br>Level gauges, alarm       |
| Piping               | Aboveground<br>Suction piping system                                                      |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

#### 6.6.11.2 Closed Tanks – 290, 290-A, 290-B, 290-C, 290-D, 290-E

Formerly located at this site were Tanks 290, 290-A, 290-B, 290-C, 290-D, and 290-E (**Figures 6-108 through 6-110**). Tank 290 was found north of Building 290 and south of Building 291. This former 700-gallon JP-5 AST provided fuel to an emergency generator for use in case of an electrical outage. Tank 290-A was a 750-gallon AST

containing JP-5, located on the south side of Building 291 and west of Tank 290. Tank 290-C was a 25-gallon JP-5 AST mounted in the base of an emergency generator that received fuel from Tank 290. Tank 290-D was a 25-gallon JP-5 AST. A Closure Report was submitted for Tanks 290 and 290-A.

Former Tanks 290-B and 290-E were at the south side of Building 290. Tank 290-B was a 1,500-gallon aboveground tank equipped with an automatic tank gauge. Tank 290-B provided fuel to a generator day tank found in an out building west of the tank. Tank 290-E was a 25-gallon day tank found west of Tank 290-B that transferred fuel from Tank 290-B to the emergency power generator. Tank 290-E was fitted with a fill gauge. Tanks 209, 209-A, and 209-B were contained within a 2'-6" valved concrete secondary containment. No secondary containment existed for day tanks 209-C, 209-D, and 209-E. The tanks were closed by removal in 1997.

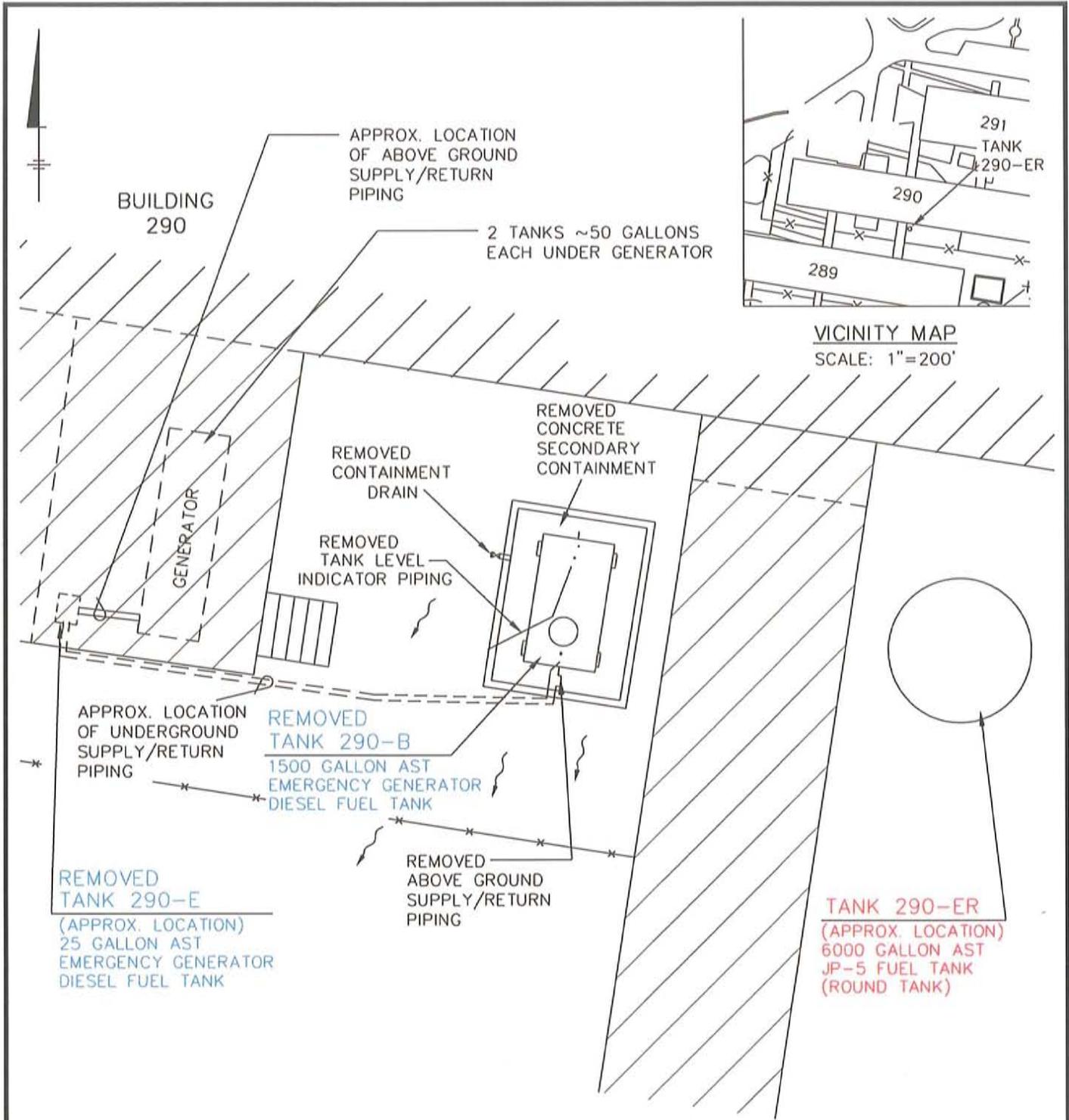
### **6.6.11.3 Regulatory Compliance Requirements**

#### Tank 290-ER

Install anti-siphon valve on all aboveground piping routed outside secondary containment.

#### Closed Tanks 290, 209-A, 209-B, 209-C, 209-D, and 209-E

None.



VICINITY MAP  
SCALE: 1"=200'

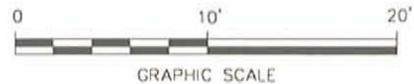
REMOVED TANK 290-E  
(APPROX. LOCATION)  
25 GALLON AST  
EMERGENCY GENERATOR  
DIESEL FUEL TANK

REMOVED TANK 290-B  
1500 GALLON AST  
EMERGENCY GENERATOR  
DIESEL FUEL TANK

TANK 290-ER  
(APPROX. LOCATION)  
6000 GALLON AST  
JP-5 FUEL TANK  
(ROUND TANK)

**LEGEND**

-  APPROXIMATE DIRECTION OF SURFACE WATER FLOW
-  FENCE



NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**  
**SITE MAP OF TANK 290-ER AND  
FORMER TANKS 290-B & 290-E  
TRUMAN ANNEX**

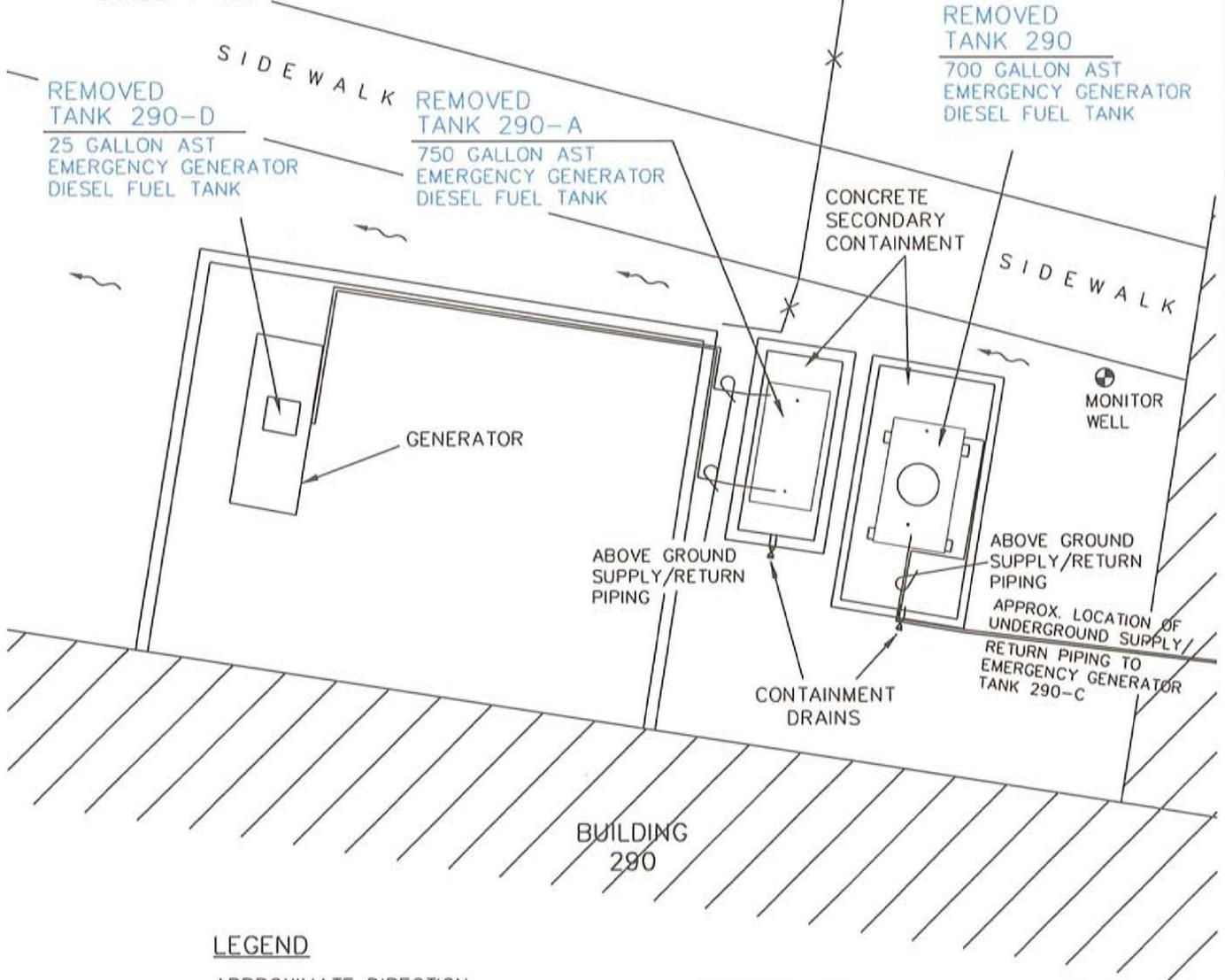
X: OR L:  
P: S10-PC2\AP  
1/8/01 TAM-54-JAR  
B80\88022\TRMN\88022TRF.DWG

SOURCE: Base map (Sitemap\290-B.dwg)  
provided by 'RUST ENVIRONMENTAL &  
INFRASTRUCTURE'. Date October 1996, drawn at  
full scale. Field check by BBL.



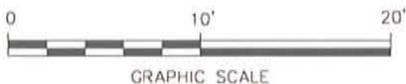
**VICINITY MAP**

SCALE: 1"=100'



**LEGEND**

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE



NAVAL AIR STATION  
KEY WEST, FLORIDA

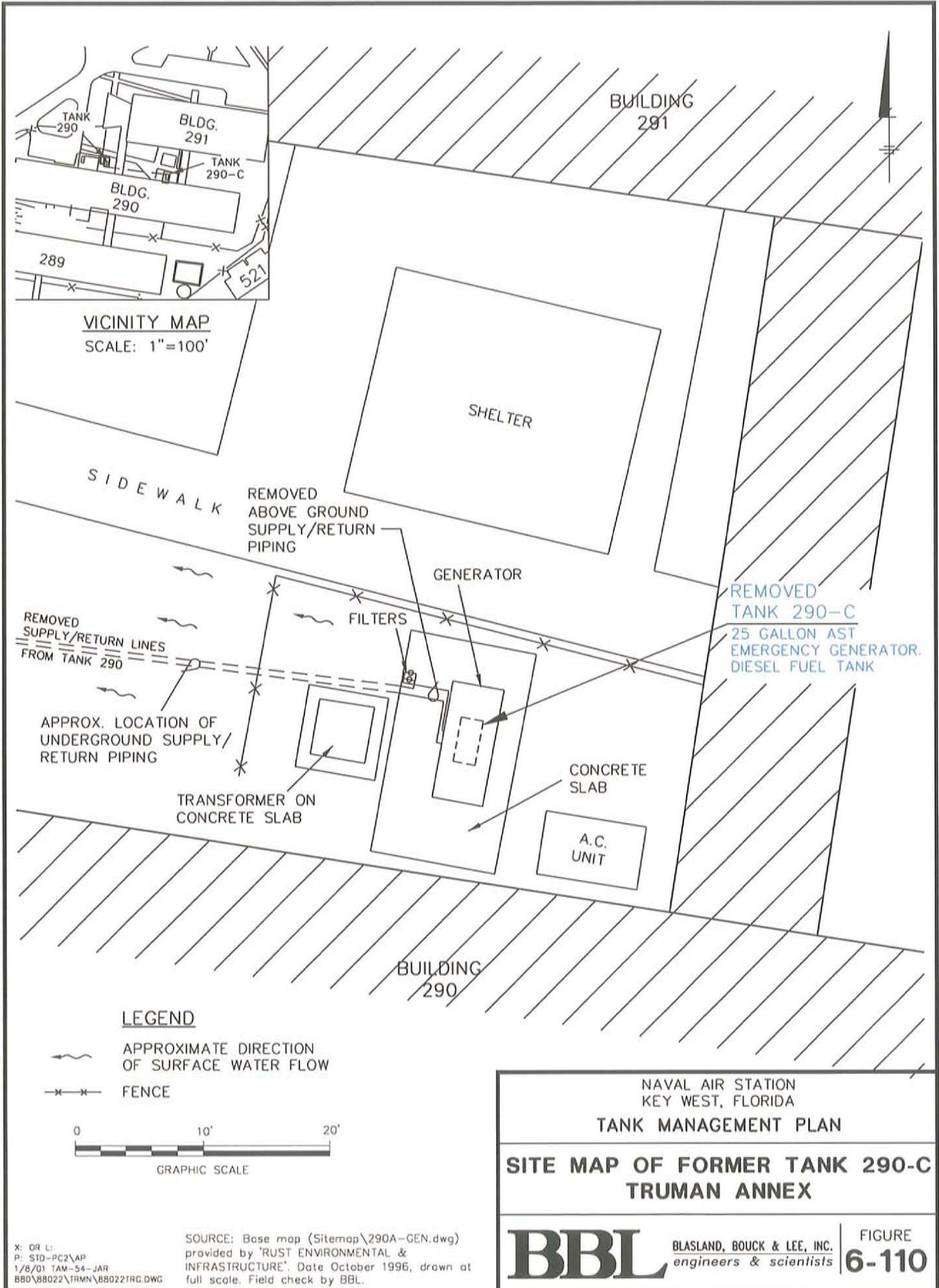
**TANK MANAGEMENT PLAN**

**SITE MAP OF FORMER  
TANKS 290, 290-A & 290-D  
TRUMAN ANNEX**

X: OR L:  
P: NAVY-AP-PC2  
2/20/01 TAM-54-JAR  
880\88022\TRMN\88022TIRE.DWG

SOURCE: Base map (Sitemap\291-GEN.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists **FIGURE 6-109**

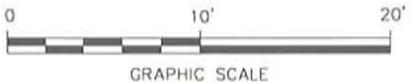


VICINITY MAP  
SCALE: 1"=100'

REMOVED  
TANK 290-C  
25 GALLON AST  
EMERGENCY GENERATOR  
DIESEL FUEL TANK

**LEGEND**

-  APPROXIMATE DIRECTION OF SURFACE WATER FLOW
-  FENCE



NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**  
**SITE MAP OF FORMER TANK 290-C**  
**TRUMAN ANNEX**

X: OR L:  
P: ST0-PC2\AP  
1/8/01 TAM-54-JAR  
BBD\88022\TRMN\88022TRG.DWG

SOURCE: Base map (Sitemap\290A-GEN.dwg)  
provided by 'RUST ENVIRONMENTAL &  
INFRASTRUCTURE'. Date October 1996, drawn at  
full scale. Field check by BBL.

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists **FIGURE 6-110**

## 6.6.12 Site 291 – Truman Annex Building 291

### 6.6.12.1 Existing Tank – 291

Truman Annex Building 291 is located at the south end of Truman Annex Basin. One vaulted AST, tank 291 (3,500-gallon JP-5 fuel), is located to the west of Building 291 (Figure 6-111).

#### Tank 291

| Tank ID 291          |                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------|
| Year of Installation | 1997                                                                                       |
| Size                 | 3,500-gallons                                                                              |
| Contents             | JP-5                                                                                       |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                      |
| Regulated - Florida  | Regulated; FAC 62-761                                                                      |
| Status               | In-Service                                                                                 |
| Tank Construction    | Vaulted<br>Double-walled<br>Spill containment bucket                                       |
| Piping               | Aboveground<br>Suction piping system                                                       |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems. |

### 6.6.12.2 Closed Tanks – 291-A, 291-C

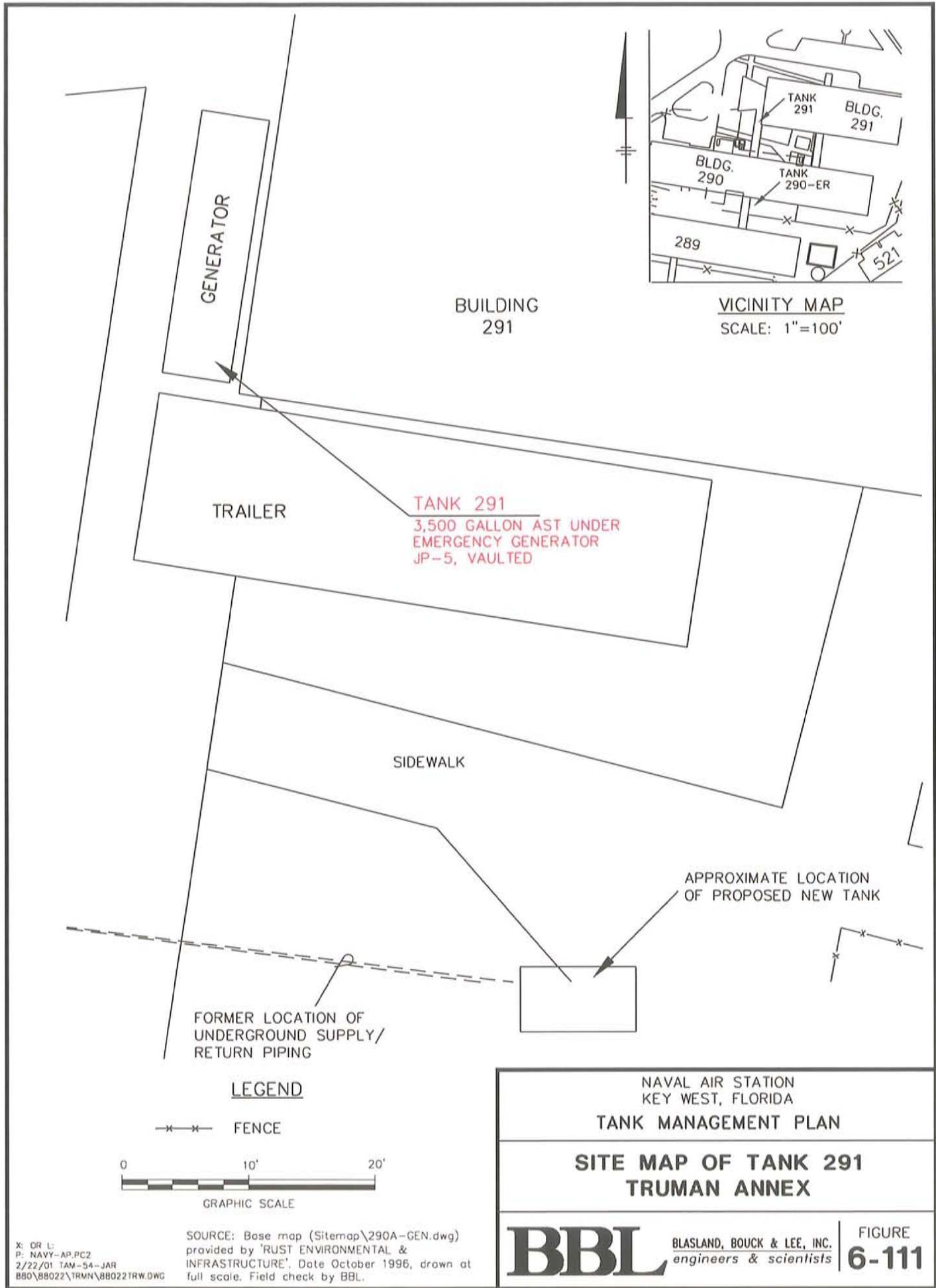
Two former vaulted ASTs, tank 291-A (3,800-gallon JP-5) and tank 291-C (unknown size and former contents) were located at Building 291. Tank 291-C was located within Building 291 and reported as removed, date unknown.

### 6.6.12.3 Regulatory Compliance Requirements

#### Tank 291

Install anti-siphon valve on all aboveground piping routed outside secondary containment.

Closed Tanks 291-A and 291-C  
None.



### 6.6.13 Site 437 – Truman Annex Bachelor Enlisted Quarters (BEQ) Building 437

The Bachelor Enlisted Quarters (BEQ) building 437 is located on Truman Annex south of street "A".

#### 6.6.13.1 Existing Tank – 437-R

Tank 437-R is located on the south side of Building 437 (Figure 6-112). This 500-gallon vaulted AST supplies JP-5 for Building 437's hot water heater boiler.

##### Tank 437-R

| Tank ID 437-R        |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1997                                                                                      |
| Size                 | 500-gallon                                                                                |
| Contents             | JP-5                                                                                      |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Unregulated                                                                               |
| Status               | In-Service                                                                                |
| Tank Construction    | Vaulted<br>Double-walled<br>Spill containment bucket                                      |
| Piping               | Aboveground<br>Suction piping system                                                      |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

#### 6.6.13.2 Closed Tank – 437

Formerly, Tank 437 was found under the parking lot south of Building 437 (Figure 6-112). This 1,000-gallon underground tank supplied heating fuel for Building 437's hot water boiler. The tank was closed by removal on January 17, 1997. No environmental concerns remain for this site.

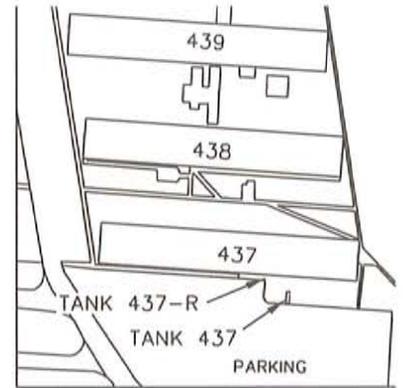
### 6.6.13.3 Regulatory Compliance Requirements

Tank 437-R

None.

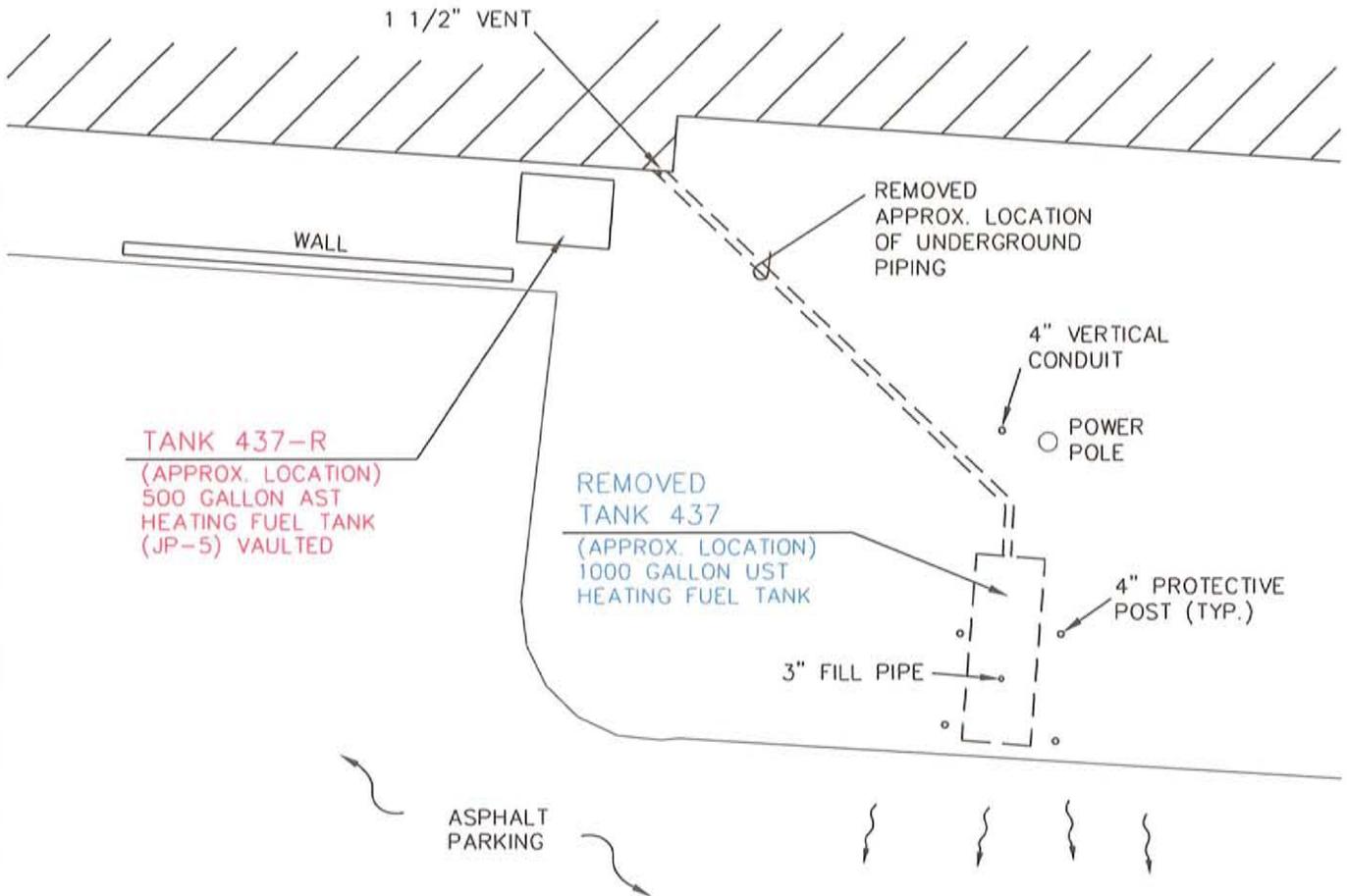
Closed Tank 437

None.



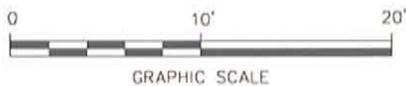
VICINITY MAP  
SCALE: 1"=200'

BUILDING  
437



**LEGEND**

APPROXIMATE DIRECTION OF SURFACE WATER FLOW



NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**  
**SITE MAP OF TANK 437-R  
AND FORMER TANK 437  
TRUMAN ANNEX**

X: OR L:  
P: ST0-PC2\AP  
1/8/01 TAM-54-JAR  
B80\B8022\TRMN\B8022TRH.DWG

SOURCE: Base map (Sitemap\437.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.



BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-112**

#### 6.6.14 Site 438 – Truman Annex Bachelor Enlisted Quarters (BEQ)

The Bachelor Enlisted Quarters (BEQ) Building 438 is located on Truman Annex south of Street "A".

##### 6.6.14.1 Existing Tank – 438-R

Tank 438-R is a 500-gallon vaulted diesel AST equipped with a level gauge located on the north of Building 438 (Figure 6-113). Fuel from this tank is provided for Building 438's hot water boiler.

##### Tank 438-R

| Tank ID 438-R        |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1997                                                                                      |
| Size                 | 500-gallon                                                                                |
| Contents             | JP-5                                                                                      |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Unregulated                                                                               |
| Status               | In-Service                                                                                |
| Tank Construction    | Vaulted<br>Double-walled<br>Spill containment – level gauges                              |
| Piping               | Aboveground<br>Suction piping system                                                      |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

##### 6.6.14.2 Closed Tank – 438

One fuel oil tank was located to the north of Building 438 (Figure 6-113). Tank 438 was a 1,000-gallon underground heating oil tank. Fuel from this tank was provided to the hot water boiler at Building 438. The tank was removed on January 16, 1997. No environmental concerns remain for this site.

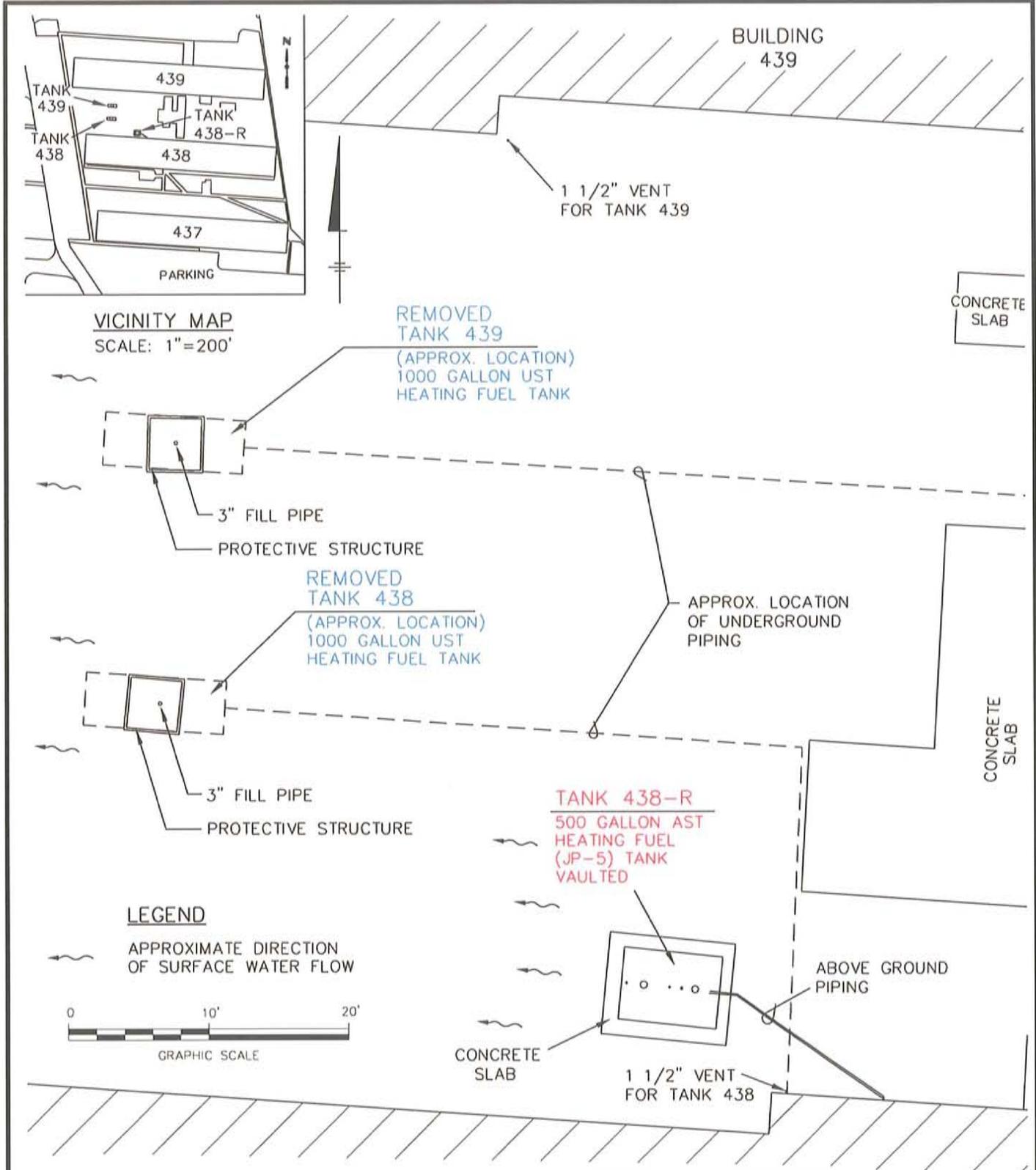
### 6.6.14.3 Regulatory Compliance Requirements

Tank 438-R

None.

Closed Tank 438

None.



NAVAL AIR STATION  
KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

**SITE MAP TANK 438-R AND  
FORMER TANKS 438 & 439  
TRUMAN ANNEX**

X: DR L:  
P: STD-PC2\AP  
1/8/01 TAM-54-JAR  
B80\B8022\TRMN\B8022TRI.DWG

SOURCE: Base map (Sitemap\438-9.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE', Date October 1996, drawn at full scale. Field check by BBL.



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FIGURE  
**6-113**

### 6.6.15 Site 439 – Truman Annex Bachelor Enlisted Quarters (BEQ) Building 439

The Bachelor Enlisted Quarters (BEQ) Building 439 is located at Truman Annex south of Street “A”.

#### 6.6.15.1 Existing Tank – 439-R

Tank 439-R is a 500-gallon JP-5 AST equipped with a level gauge located south of Building 439 (Figure 6-114). Fuel from this tank provides fuel for the hot water boiler at Building 439.

#### Tank 439-R

| Tank ID 439-R        |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1997                                                                                      |
| Size                 | 500-gallon                                                                                |
| Contents             | JP-5                                                                                      |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Unregulated                                                                               |
| Status               | In-Service                                                                                |
| Tank Construction    | Vaulted<br>Double-walled<br>Spill containment bucket                                      |
| Piping               | Aboveground<br>Suction piping system                                                      |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

#### 6.6.15.2 Closed Tank – 439

Tank 439 was a 1,000-gallon underground fuel oil tank that was closed by removal on January 17, 1997 (Figure 6-113). Fuel from this tank provided fuel oil for Building 439’s hot water boiler. No environmental concerns remain for this site.

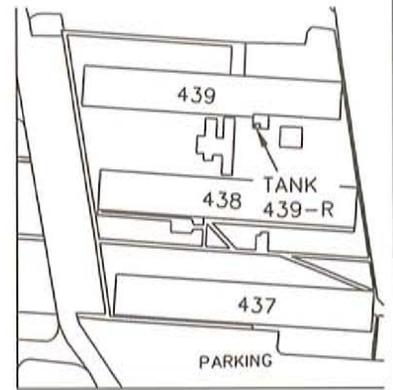
### 6.6.15.3 Regulatory Compliance Requirements

Tank 439-R

None.

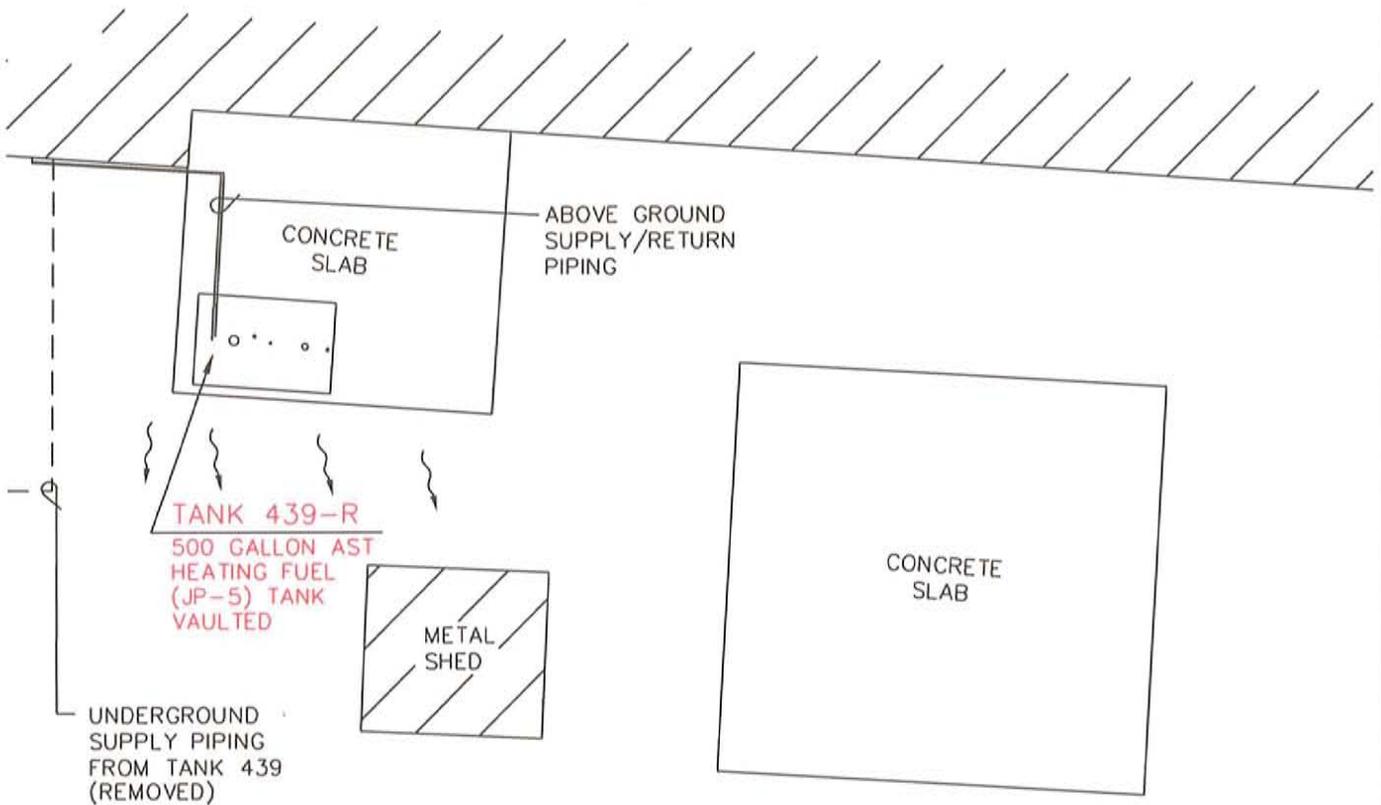
Closed Tank 439

None.



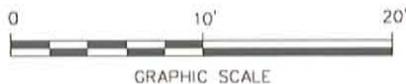
VICINITY MAP  
SCALE: 1"=200'

BUILDING  
439



**LEGEND**

~ ~ ~ ~ ~  
APPROXIMATE DIRECTION  
OF SURFACE WATER FLOW



GRAPHIC SCALE

NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN

**SITE MAP OF TANK 439-R  
TRUMAN ANNEX**

X: OR L:  
P: STD-PC2\AP  
1/8/01 TAM-54-JAR  
880\88022\TRMN\88022TRJ.DWG

SOURCE: Base map (Sitemap\436-A.dwg)  
provided by 'RUST ENVIRONMENTAL &  
INFRASTRUCTURE'. Date October 1996, drawn at  
full scale. Field check by BBL.



BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-114**

### **6.6.16 Site 446 – Truman Annex**

Truman Annex Building 446 was located at the south end of Truman Annex Basin.

#### **6.6.16.1 Closed Tank – 446**

Former AST 446 was a 280-gallon fuel oil tank used to supply fuel to the site boiler. Tank 446 was closed by removal in 1992.

#### **6.6.16.2 Regulatory Compliance Requirements**

##### Closed Tank 446

None.

### **6.6.17 Site 576 – Truman Annex**

Truman Annex Building 576 was located at the south end of Truman Annex Basin.

#### **6.6.17.1 Closed Tank – 576**

Former UST 576 was a 1,000-gallon fuel oil tank used to store fuel for distribution to various buildings. Tank 576 was closed by removal in 1992.

#### **6.6.17.2 Regulatory Compliance Requirements**

##### Closed Tank 576

None.

### **6.6.18 Site 1276 – Truman Annex Service Station**

Truman Annex Service Station is located on the eastside of Dekalb Avenue in the vicinity of Building 1276.

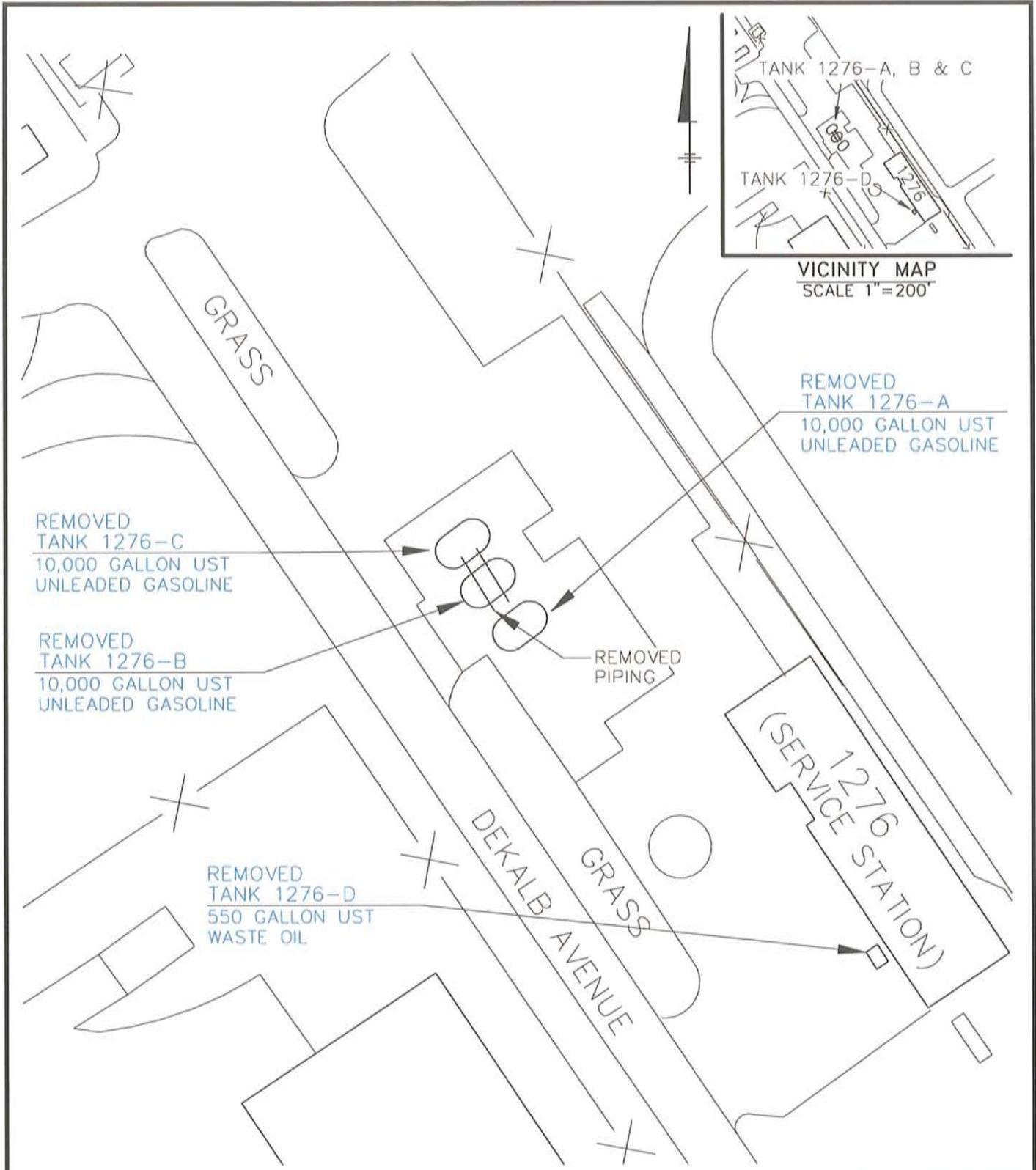
#### **6.6.18.1 Closed Tanks – 1276-A, 1276-B, 1276-C, 1276-D**

Four USTs were located on-site, Tank 1276-A (10,000-gallon), Tank 1276-B (10,000-gallon), Tank 1276-C (10,000-gallon unleaded gasoline), and Tank 1276-D (550-gallon waste oil) (**Figure 6-115**). Tanks 1276-A and 1276-B were closed by removal in 1992. Tanks 1276-C and 1276-D were closed by removal on August 12-14, 1995, and were issued a No Further Action order by HRS on October 10, 1996.

#### **6.6.18.2 Regulatory Compliance Requirements**

Closed Tanks 1276-A, 1276-B, 1276-C, 1276-D

None.

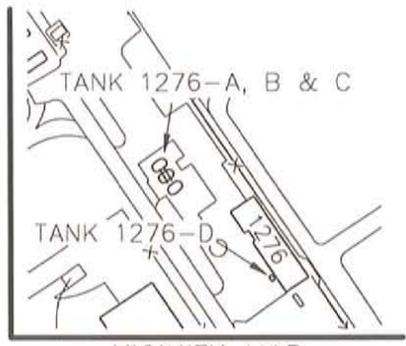


REMOVED  
TANK 1276-C  
10,000 GALLON UST  
UNLEADED GASOLINE

REMOVED  
TANK 1276-B  
10,000 GALLON UST  
UNLEADED GASOLINE

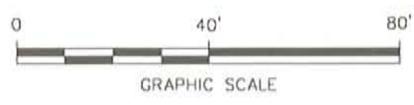
REMOVED  
TANK 1276-D  
550 GALLON UST  
WASTE OIL

REMOVED  
TANK 1276-A  
10,000 GALLON UST  
UNLEADED GASOLINE



VICINITY MAP  
SCALE 1"=200'

NOTE: PRECISE LOCATION OF TANKS UNKNOWN.



NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN  
SITE MAP OF FORMER  
TANKS 1276-A THRU 1276-D  
TRUMAN ANNEX



BLASLAND, BOUCK & LEE, INC.  
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FIGURE  
6-115

P: STD-PC2\BL  
1/10/01 TAM-54-JAR  
880\88022\TRMN\88022TRR.DWG

SOURCE: Base map (#37147N03.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale.

### 6.6.19 Site 1279 – Truman Annex JIATFE Building 1279

The JIATFE Activity Building 1279 is located west of Street "A" at Truman Annex.

#### 6.6.19.1 Existing Tank – 1279-BR

One tank is located at the site, Tank 1279-BR (**Figure 6-116**). Tank 1279-BR is located on the eastern side of Building 1280. The tank is a 6,000-gallon vaulted AST containing JP-5 used to power generators housed in Building 1280 during power failures.

#### Tank 1279-BR

| Tank ID 1279-BR      |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1999                                                                                      |
| Size                 | 6,000-gallon                                                                              |
| Contents             | JP-5                                                                                      |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Regulated; FAC 62-761                                                                     |
| Status               | In-Service                                                                                |
| Tank Construction    | Vaulted<br>Double-walled<br>Overfill protection – tight fill<br>Level gauges, alarm       |
| Piping               | Aboveground<br>Suction piping system                                                      |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

#### 6.6.19.2 Closed Tanks – 1279, 1279-A, 1279-B

Three tanks were located at this site, two ASTs and one UST (**Figure 6-116**). Tank 1279-A is found on the east side of Building 1260. This tank was a 300-gallon UST containing used oil. The tank was closed by removal on September 15, 1999. Tank 1279-B and Tank 1279 were found west of Building 1260 and south of Building 1279.

Tank 1279-B was a 3,000-gallon AST, which contained JP-5 used to power the generators housed in Building 1260 during power failures. The tank was closed by removal on June 11, 2000. Tank 1279, 100-gallon AST, contained vehicular unleaded gasoline use to fuel lawn care and other maintenance equipment. FDEP issued a NFA for Tank 1279-B on October 30, 2000. Tank 1279 was located within a 3' deep valved concrete secondary containment with tank 1279-B. The tank has been closed by removal.

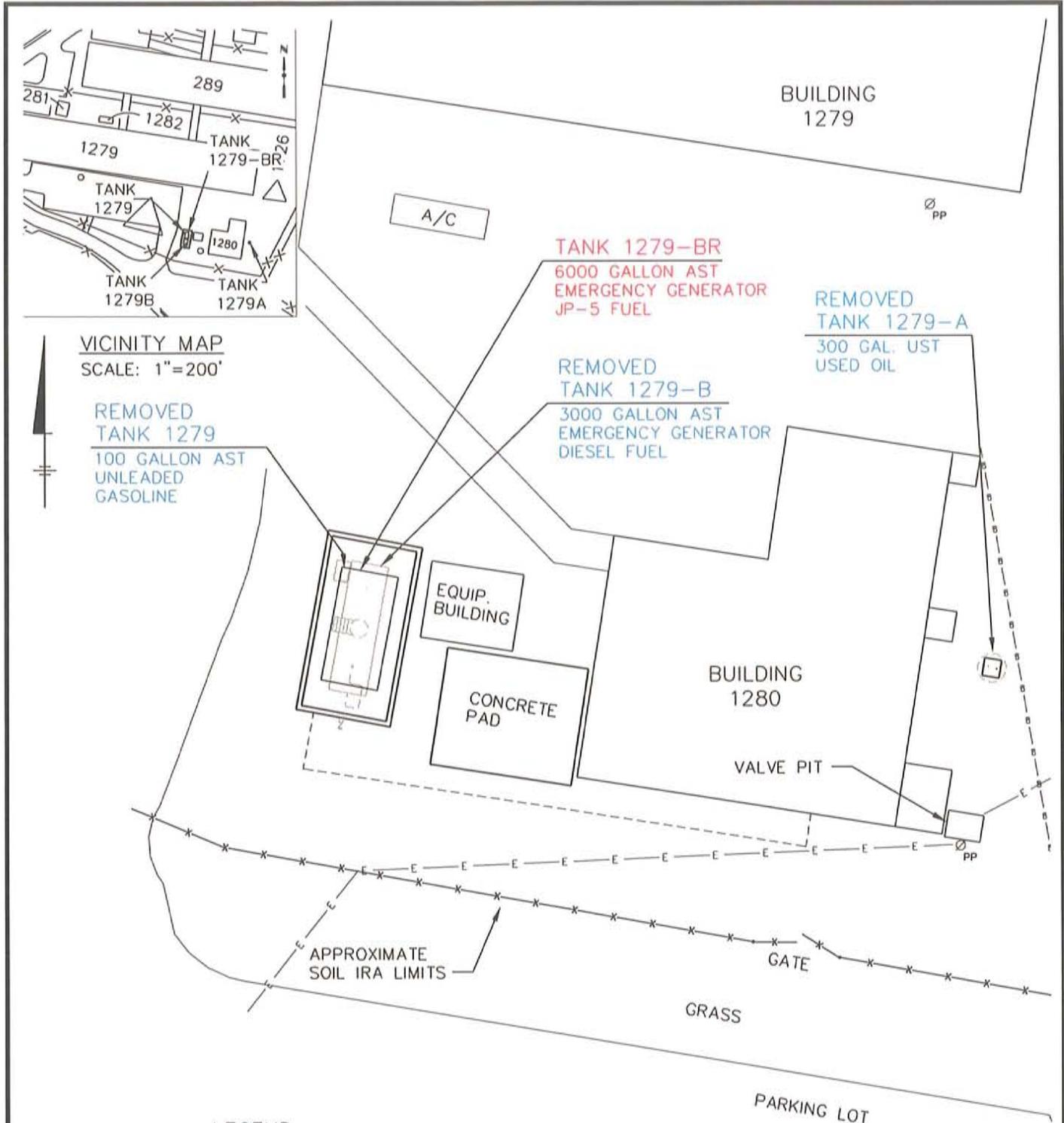
### **6.6.19.3 Regulatory Compliance Requirements**

Tank 1279-BR

None.

Closed Tanks 1279, 1279-A, 1279-B

None.



VICINITY MAP  
SCALE: 1"=200'

REMOVED  
TANK 1279  
100 GALLON AST  
UNLEADED  
GASOLINE

TANK 1279-BR  
6000 GALLON AST  
EMERGENCY GENERATOR  
JP-5 FUEL

REMOVED  
TANK 1279-A  
300 GAL. UST  
USED OIL

REMOVED  
TANK 1279-B  
3000 GALLON AST  
EMERGENCY GENERATOR  
DIESEL FUEL

EQUIP.  
BUILDING

CONCRETE  
PAD

BUILDING  
1280

VALVE PIT

APPROXIMATE  
SOIL IRA LIMITS

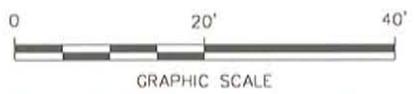
GATE

GRASS

PARKING LOT

**LEGEND**

- - - - - APPROX. LOCATION OF UNDERGROUND SUPPLY/ RETURN PIPING
- x - - - FENCE
- E - - - HIGH VOLTAGE ELECTRICAL LINES ENCASED IN CONCRETE
- o - - - SATELLITE CABLE



NAVAL AIR STATION  
KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

**SITE MAP OF TANK 1279-BR  
AND FORMER TANKS 1279,  
1279-A & B - TRUMAN ANNEX**

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-116**

P: STD-PC2\AP  
1/8/01 TAM-54-JAR  
880\88022\TRMN\88022TRK.DWG

SOURCE: Base map (37174\sitmaps\1279.dwg)  
provided by RUST ENVIRONMENTAL &  
INFRASTRUCTURE, 2600 Douglas Rd., Ste. 800,  
Miami, FL.; ECO-CARE, INC., 13300 NW 97th Ave.,  
Hialeah Gardens, FL.

## **6.6.20 Site 1287 – Truman Annex Building 1287 Galley**

Truman Annex Building 1287 is located approximately 350 feet north of the athletic field.

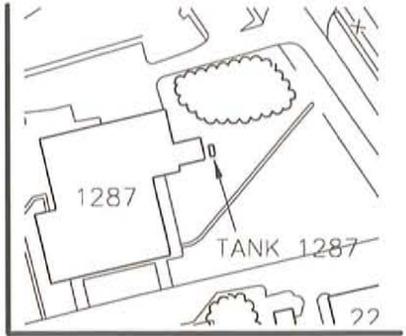
### **6.6.20.1 Closed Tank – 1287**

Former Tank 1287 was located east of Building 1287 (**Figure 6-117**). Tank 1287, a 2,000-gallon AST, which contained fuel oil for on-site heating purposes, was closed by removal on April 26, 1996. The tank was issued a NFA by FDEP on August 28, 1998.

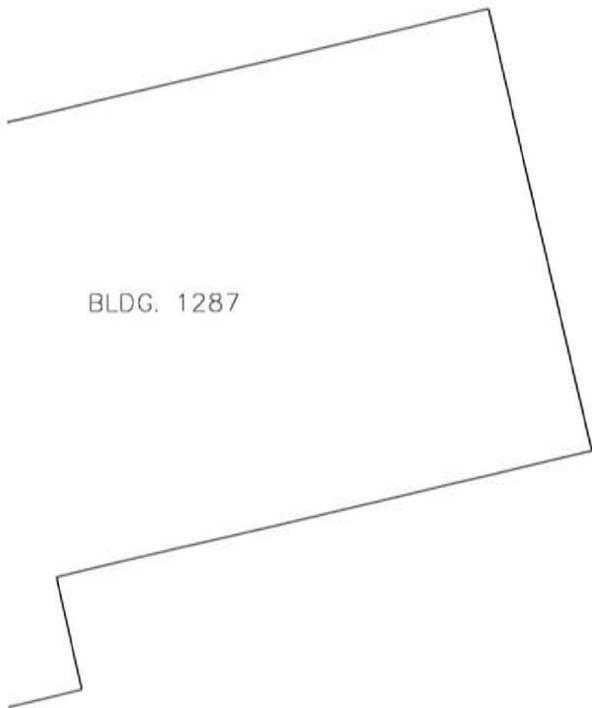
### **6.6.20.2 Regulatory Compliance Requirements**

#### Closed Tank 1287

None.



VICINITY MAP  
SCALE 1"=200'



REMOVED  
TANK 1287  
2000 GALLON AST  
FUEL OIL

BLDG. 1287

NOTE: PRECISE LOCATION OF TANKS UNKNOWN.



GRAPHIC SCALE

NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN  
SITE MAP OF FORMER TANK 1287  
TRUMAN ANNEX

### 6.6.21 Site 1350 – Truman Annex Bachelor Enlisted Quarters (BEQ) Building 1350

The Bachelor Enlisted Quarters (BEQ) Building 1350 is located west of Street "A" at Truman Annex.

#### 6.6.21.1 Existing Tank – 1350-R

Vaulted AST 1350-R containing JP-5 is located south of Building 1350 (**Figure 6-118**). Tank 1350-R is a 500-gallon vaulted AST used to provide fuel for Building 1350's hot water boiler.

#### Tank 1350-R

| Tank ID 1350-R       |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1997                                                                                      |
| Size                 | 500-gallons                                                                               |
| Contents             | JP-5                                                                                      |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Unregulated                                                                               |
| Status               | In-Service                                                                                |
| Tank Construction    | Vaulted<br>Double-walled<br>Spill containment bucket<br>Level gauges                      |
| Piping               | Aboveground<br>Suction piping system                                                      |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

### 6.6.21.2 Closed Tanks – 1350, 1350

One diesel fuel tank, Tank 1350, was located south of Building 1350 under the parking lot. Tank 1350 was a 1,000-gallon underground heating fuel tank used to provide fuel for Building 1350's hot water boiler. The tank was closed by removal on January 17, 1997. Tank 1350, a 50-gallon JP-5 AST, was utilized as a day tank for this system. This tank was closed by removal on August 1, 1996. No environmental concerns remain for this site. The tanks are presented on **Figure 6-118**.

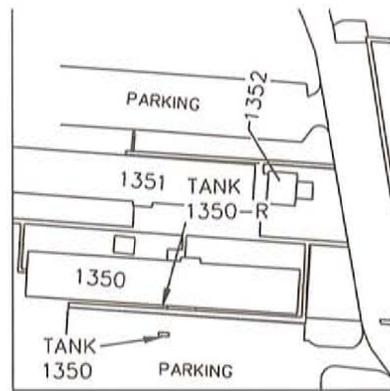
### 6.6.21.3 Regulatory Compliance Requirements

#### Tank 1350-R

None.

#### Closed Tanks 1350, 1350

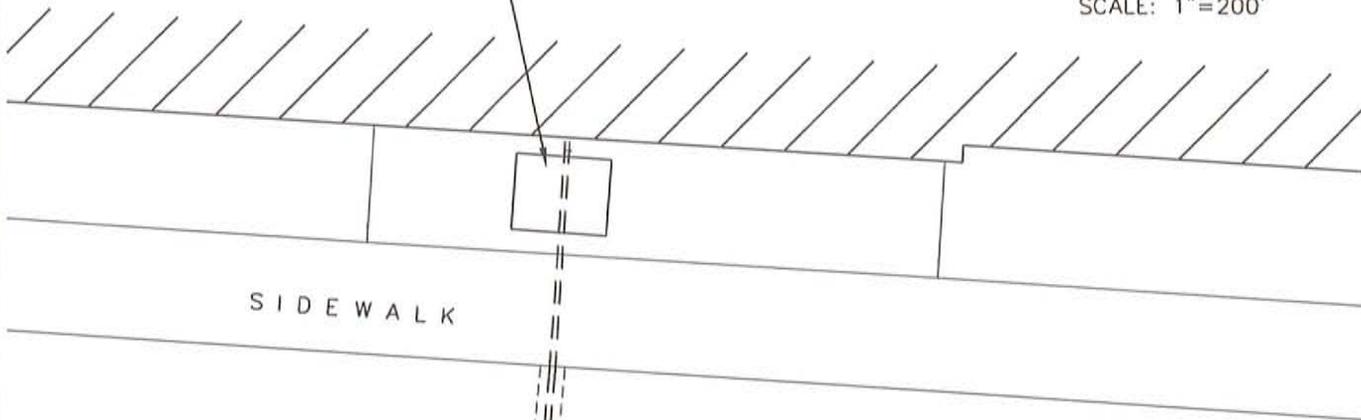
None.



VICINITY MAP  
SCALE: 1"=200'

TANK 1350-R  
(APPROX. LOCATION)  
500 GALLON AST  
HEATING FUEL TANK  
(JP-5) VAULTED

BUILDING  
1350



SIDEWALK

REMOVED  
TANK 1350  
(APPROX. LOCATION)  
1000 GALLON UST  
HEATING FUEL TANK

APPROXIMATE LOCATION OF  
UNDERGROUND SUPPLY PIPING

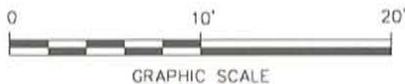
PAVEMENT CUT

3" FILL  
PIPE

PARKING

**LEGEND**

~ ~ ~  
APPROXIMATE DIRECTION  
OF SURFACE WATER FLOW



SOURCE: Base map (Sitemap\1350.dwg) provided  
by 'RUST ENVIRONMENTAL & INFRASTRUCTURE',  
Date October 1996, drawn at full scale. Field  
check by BBL.

NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN

**SITE MAP OF TANK 1350-R  
AND FORMER TANK 1350  
TRUMAN ANNEX**



BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-118**

X: OR L:  
P: STD-PC2\AP  
1/8/01 TAM-54-JAR  
880\88022\TRMN\88022TRL.DWG

### 6.6.22 Site 1351 – Truman Annex Bachelor Enlisted Quarters (BEQ) Building 1351

The Bachelor Enlisted Quarters (BEQ) Building 1351 is located west of Street "A" at Truman Annex.

#### 6.6.22.1 Existing Tank – 1351-R

One JP-5 (jet fuel) vaulted AST is located at the north side of building (**Figure 6-119**). Tank 1351-R is a 500-gallon AST used to provide fuel for Building 1351's hot water boiler.

#### Tank 1351-R

| Tank ID 1351-R       |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1997                                                                                      |
| Size                 | 500-gallons                                                                               |
| Contents             | JP-5                                                                                      |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Unregulated                                                                               |
| Status               | In-Service                                                                                |
| Tank Construction    | Vaulted<br>Double-walled<br>Spill containment – level gauges                              |
| Piping               | Aboveground<br>Suction piping system                                                      |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

#### 6.6.22.2 Closed Tanks – 1351, 1351

Tank 1351, was located north of Building 1351 under the parking lot. Tank 1351 was a 1,000-gallon underground heating fuel tank used to provide fuel for Building 1351's hot water boiler. The tank was closed by removal on January 17, 1997. One diesel fuel AST, Tank 1351, was utilized as a day tank for this system. This tank was closed by removal on August 1, 1996. Closure reports were submitted for the two tanks. The tank locations are shown on **Figure 6-119**. No environmental concerns remain for this site.

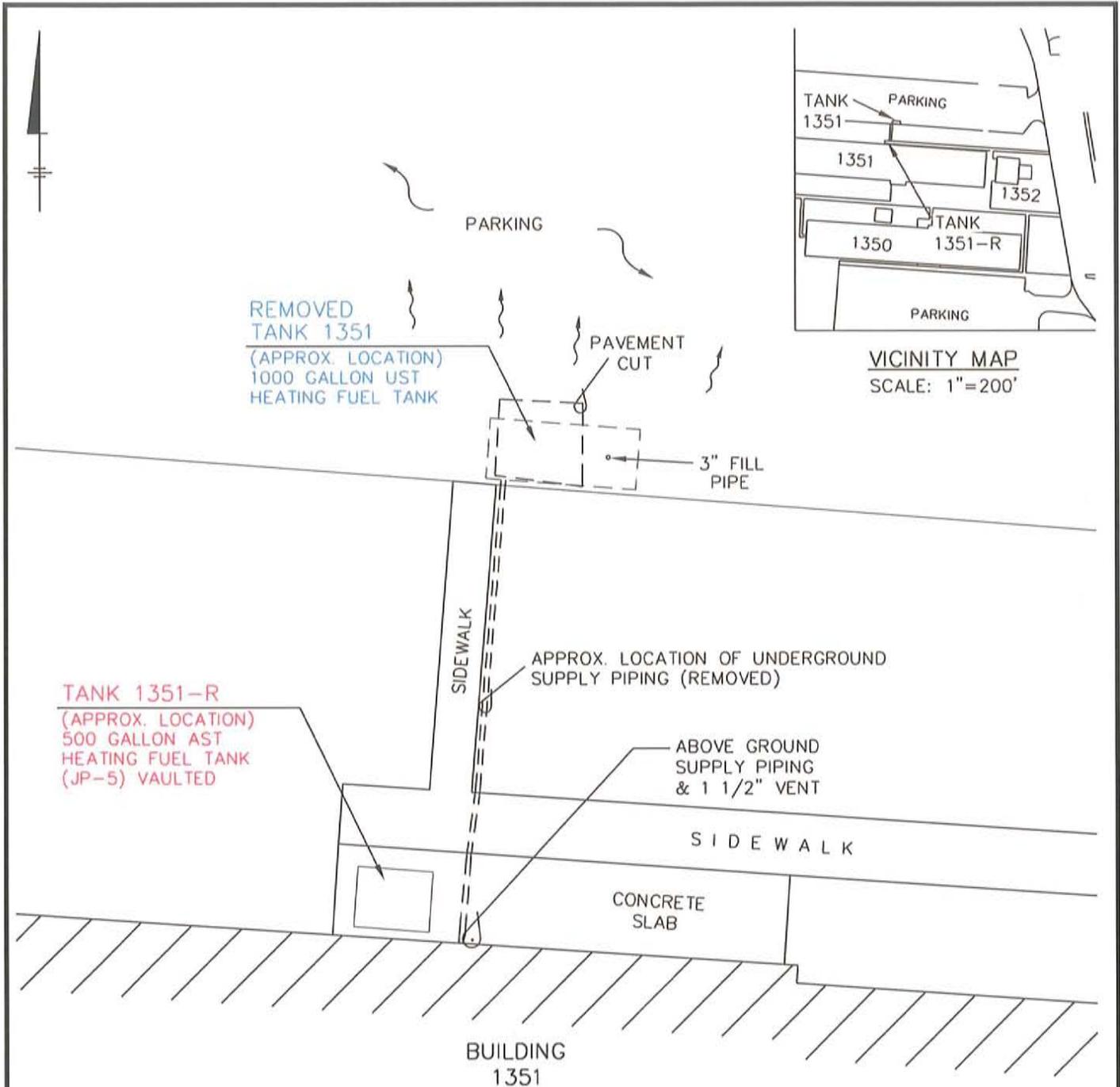
### 6.6.22.3 Regulatory Compliance Requirements

Tank 1351-R

None.

Closed Tanks 1351, 1351

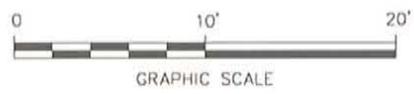
None.



VICINITY MAP  
SCALE: 1"=200'

**LEGEND**

← APPROXIMATE DIRECTION OF SURFACE WATER FLOW



NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**  
**SITE MAP OF TANK 1351-R  
AND FORMER TANK 1351  
TRUMAN ANNEX**

X: OR L:  
P: STD-PC2\AP  
1/8/01 TAM-54-JAR  
B80\B8022\TRMN\B8022TRM.DWG

SOURCE: Base map (Sitemap\1351.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL.

**BBL** **BLASLAND, BOUCK & LEE, INC.**  
engineers & scientists **FIGURE 6-119**

### 6.6.23 Site 1355 – Truman Annex Key West Foreign Broadcast Facility Building 1355

The Key West Foreign Broadcast Facility (KWFBIS) Building 1355 is located at the intersection of United Street and Covington Avenue on Truman Annex. Adjacent to the south is the Atlantic Ocean.

#### 6.6.23.1 Existing Tank – 1355

Tank 1355 is a 250-gallon AST found between Buildings 1355 and 1357 (Figure 6-120). JP-5 stored in this tank is used to power the facility's emergency generator in case of power loss.

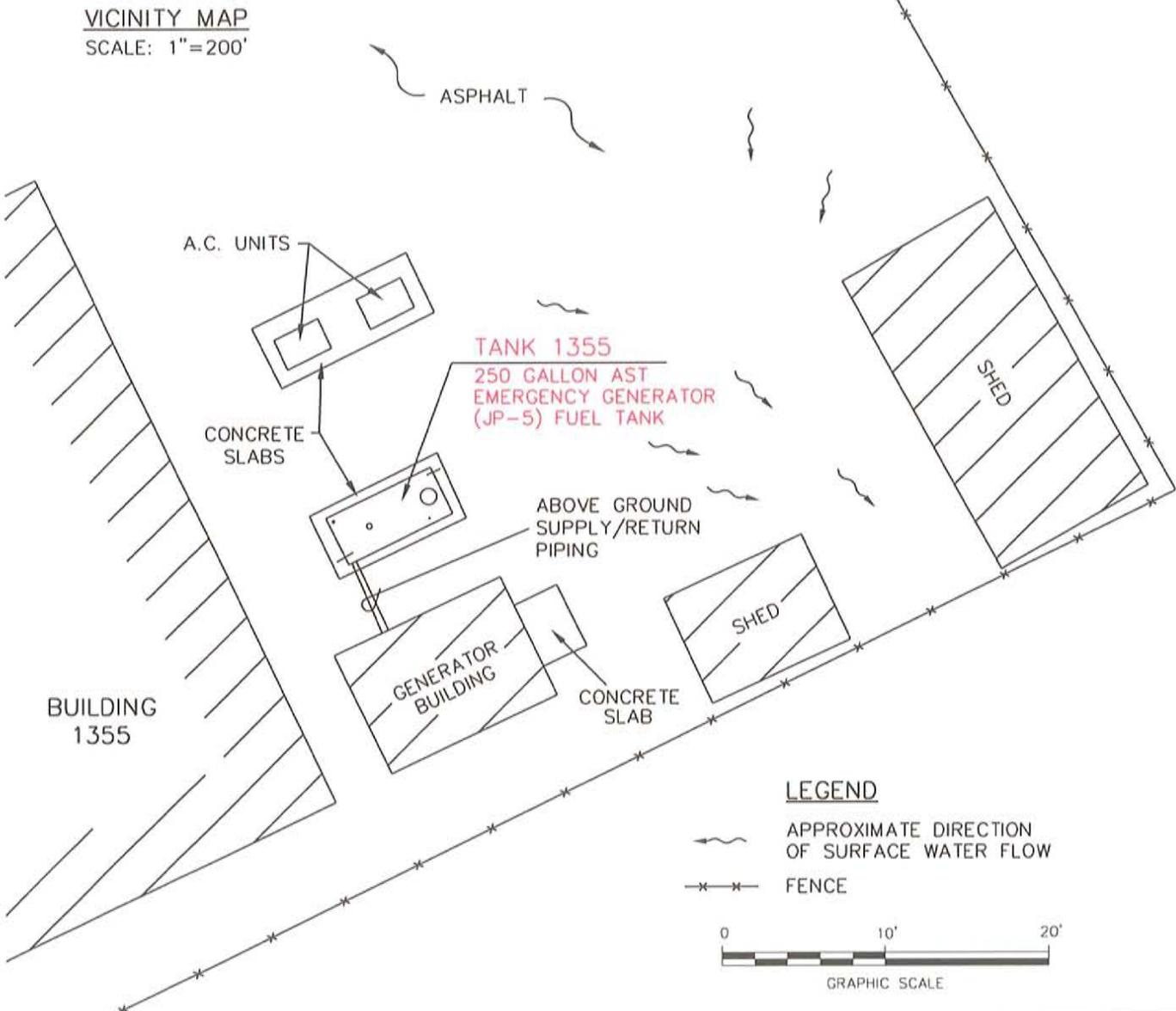
##### Tank 1355

| Tank ID 1355         |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1995                                                                                      |
| Size                 | 250-gallons                                                                               |
| Contents             | JP-5                                                                                      |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Unregulated                                                                               |
| Status               | In-Service                                                                                |
| Tank Construction    | Vaulted<br>Double-walled<br>Overfill protection – level gauges                            |
| Piping               | Aboveground<br>Suction piping system                                                      |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

#### 6.6.23.2 Regulatory Compliance Requirements

##### Tank 1355

None.



NAVAL AIR STATION  
KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

---

**SITE MAP OF TANK 1355**  
**TRUMAN ANNEX**

X: OR L:  
P: S10-PC2\AP  
1/8/01 TAM-54-JAR  
880\88022\TRM\88022TRN.DWG

SOURCE: Base map (Sitemap\1355.dwg) provided  
by 'RUST ENVIRONMENTAL & INFRASTRUCTURE',  
Date October 1996, drawn at full scale. Field  
check by BBL.

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists | **FIGURE 6-120**

#### **6.6.24 Site 4163 – Truman Annex MUSE Building 4163**

The MUSE site is located at the north end of Dekalb Avenue on the Truman Annex.

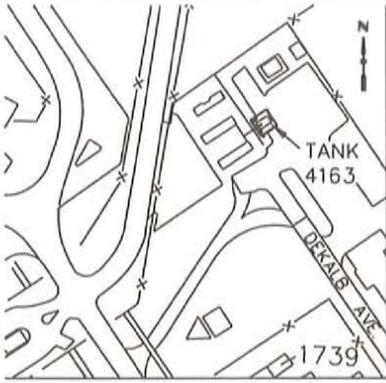
##### **6.6.24.1 Closed Tank – 4163**

This site contained one 560-gallon JP-5 AST (**Figure 6-121**). Tank 4163 was located within a 2-foot deep valved concrete secondary containment. Fuel stored in the tank was used to power two generator stations. The tank was closed by removal on April 27, 1998. A Closure Report was submitted. No environmental concerns remain for this site.

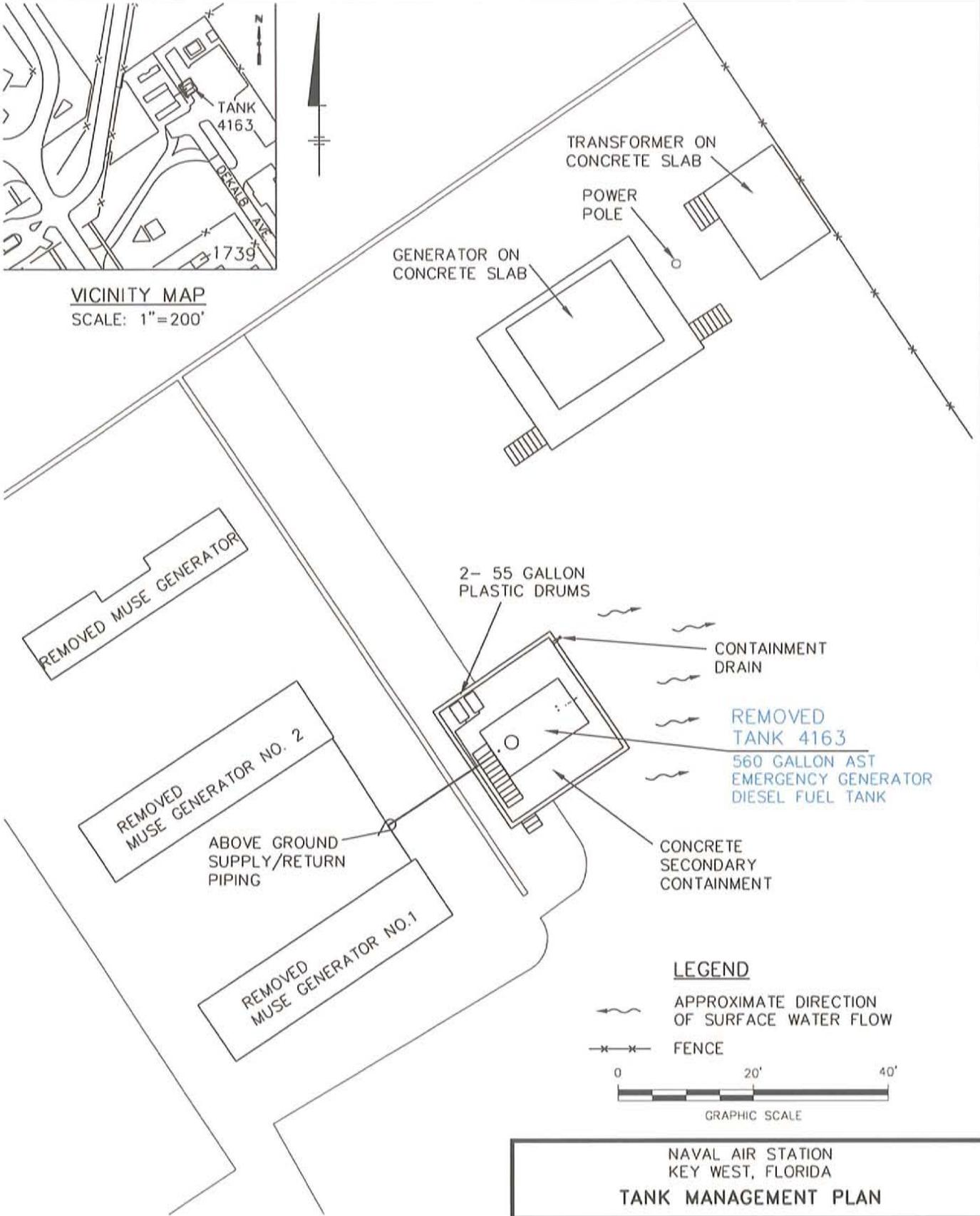
##### **6.6.24.2 Regulatory Compliance Requirements**

Closed Tank 4163

None.

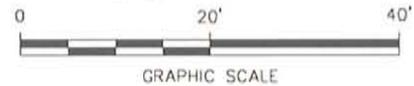


VICINITY MAP  
SCALE: 1" = 200'



**LEGEND**

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE



NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**  
**SITE MAP OF FORMER TANK 4163**  
**TRUMAN ANNEX**

X: OR L:  
P: ST0-PC2\AP  
1/8/01 TAM-54-JAR  
B80\88022\TRMN\88022TRO.DWG

SOURCE: Base map (Sitemap\4136MUSE.dwg)  
provided by 'RUST ENVIRONMENTAL &  
INFRASTRUCTURE'. Date October 1996, drawn at  
full scale. Field check by BBL.



BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-121**

### **6.6.25 Site OW-1 – Truman Annex Outer Mole**

The Outer Mole of the Truman Annex complex is located at the northern end of Truman Annex and extend northerly into the Atlantic Ocean. This facility was originally designed to refuel Naval marine vehicles but is used for vessel docking at this time. The Outer Mole was designed to receive bilge water and other oily waters from docked vessels via oil/water separators. Oily water received on the mole would enter through pipe lines to the oil/water separators.

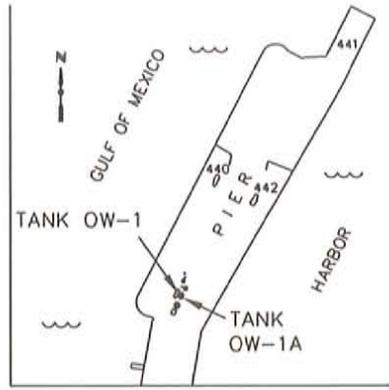
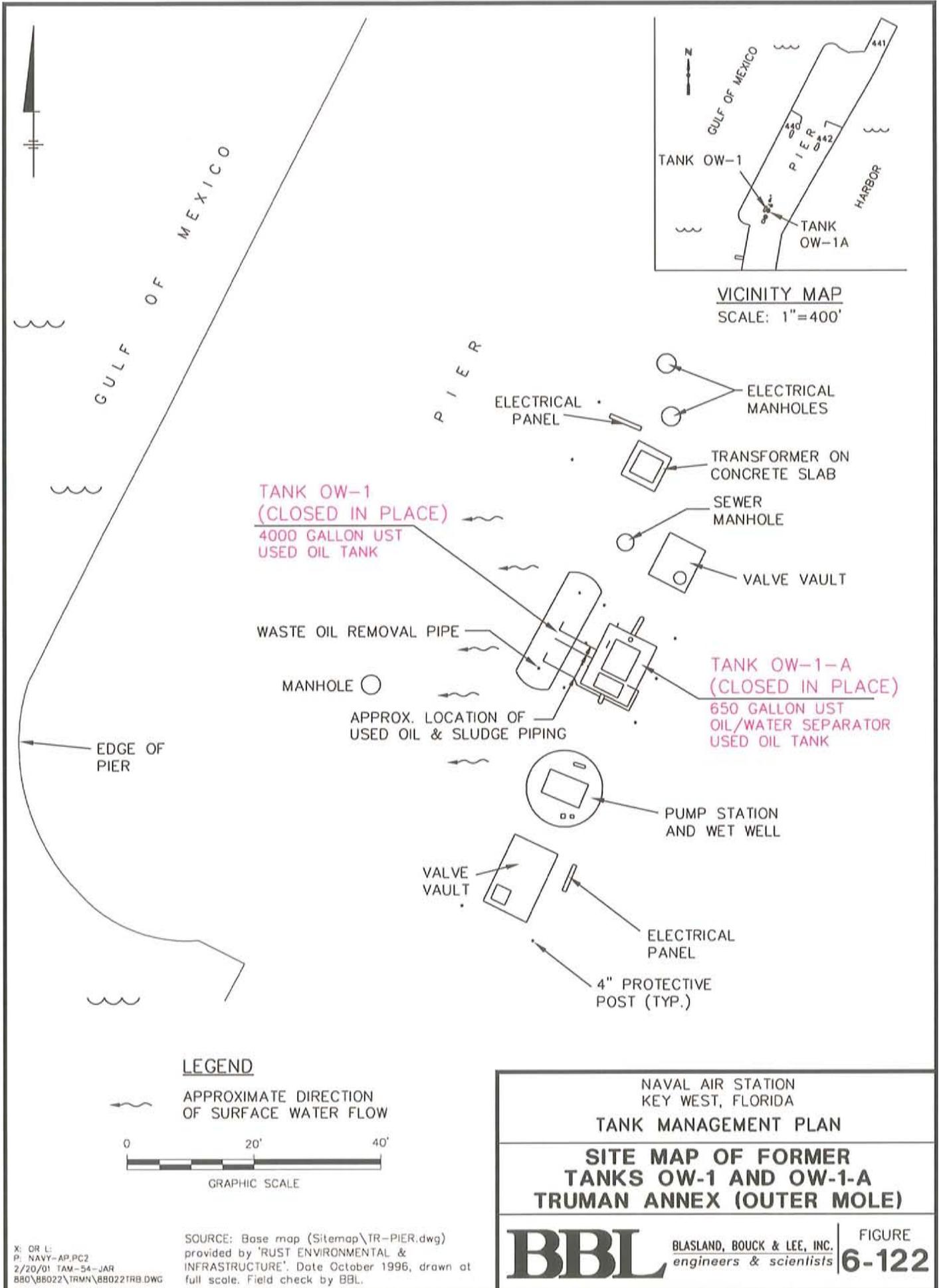
#### **6.6.25.1 Closed Tanks – OW-1, OW-1-A**

Tank OW-1-A was an oil/water separator on the outer mole (**Figure 6-122**). As oily water was received into OW-1-A the oil was segregated from the water and stored until levels reached the separator's maximum storage capacity of 650-gallons. Former Tank OW-1 was a 4,000-gallon UST located west of OW-1-A, which received the segregated oil after maximum separator capacities were reached. Management of the oily product was handled under a NAS Key West Public Works contract. Segregated water discharged into a nearby sewage pump station. Both tanks were closed in place on February 10, 1998. A Closure Report was submitted. No environmental concerns remain at this site.

#### **6.6.25.2 Regulatory Compliance Requirements**

##### Closed Tanks OW-1, OW-1-A

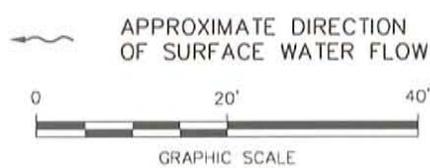
None.



TANK OW-1  
(CLOSED IN PLACE)  
4000 GALLON UST  
USED OIL TANK

TANK OW-1-A  
(CLOSED IN PLACE)  
650 GALLON UST  
OIL/WATER SEPARATOR  
USED OIL TANK

**LEGEND**



NAVAL AIR STATION  
KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

**SITE MAP OF FORMER  
TANKS OW-1 AND OW-1-A  
TRUMAN ANNEX (OUTER MOLE)**

X: OR L:  
P: NAVY-AP,PC2  
2/20/01 TAM-54-JAR  
880\88022\TRMN\88022TRB.DWG

SOURCE: Base map (Sitemap\TR-PIER.dwg)  
provided by "RUST ENVIRONMENTAL &  
INFRASTRUCTURE". Date October 1996, drawn at  
full scale. Field check by BBL.

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-122**

### **6.6.26 Site OW-102 – Truman Annex Inner Mole**

The Inner Mole of the Truman Annex complex is located at the northern end of Truman Annex and extend northerly into the Atlantic Ocean. This facility was originally designed to refuel Naval marine vehicles but is used for vessel docking at this time. The Inner Mole was designed to receive bilge water and other oily waters from docked vessels via oil/water separators.

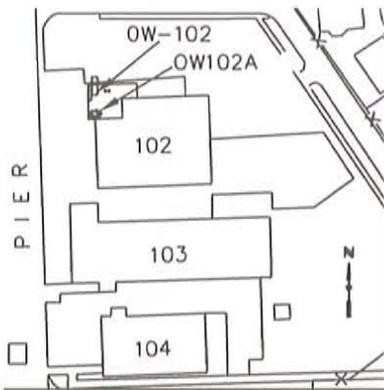
#### **6.6.26.1 Closed Tanks – OW-102, OW-102-A**

Oily water received on the moles entered through pipelines to the oil/water separators. Former Tanks OW-102 and tank OW-102-A were located on the west side of Building 102 on the Inner Mole (**Figure 6-123**). Former Tank OW-102-A was an oil/water separator on the inner mole. As oily water was received into OW-102-A the oil was segregated from the water and stored until levels reach the separators maximum storage capacity of 650-gallons. Former Tank OW-102, was a 4,000-gallon UST, received the segregated oil after maximum separator capacities are reached. Management of the oily product was handled under a NAS Key West Public Works contract. Segregated water discharged into a nearby sewage pump station. Both tanks were closed in place on February 10, 1998. A Closure Report was submitted. No environmental concerns remain for this site.

#### **6.6.26.2 Regulatory Compliance Requirements**

Closed Tanks OW-102 and OW-102-A

None.



VICINITY MAP  
SCALE: 1"=200'

TANK OW-102  
(CLOSED IN PLACE)  
(APPROX. LOCATION)  
4000 GALLON UST  
USED OIL TANK

CONCRETE SLAB  
WITH ELECTRIC  
PANELS

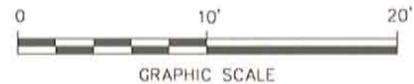
4" FILL  
PIPE

MANHOLES

APPROX. LOCATION OF  
UNDERGROUND PIPING

TANK OW-102-A  
(CLOSED IN PLACE)  
650 GALLON UST  
OIL/WATER SEPARATOR  
USED OIL TANK

BUILDING  
102



**LEGEND**

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE
- MONITORING WELL

SOURCE: Base map (Sitemap\102OWS.dwg)  
provided by 'RUST ENVIRONMENTAL &  
INFRASTRUCTURE'. Date October 1996, drawn at  
full scale. Field check by BBL.

NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**

**SITE MAP OF FORMER  
TANKS OW-102 AND OW-102-A  
TRUMAN ANNEX (INNER MOLE)**

**BBL**

BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-123**

## 6.6.27 Site G-1 – Former Truman Annex Commissary

### 6.6.27.1 Closed Tank – G-1

Tank G-1 was located at the former Simonton Street NEX.

#### Tank G-1

Former tank G-1 was a 650-gallon AST. The tank was closed by removal in 1990. Fuel oil for a back-up generator was stored in this tank during its operation. See **Figure 6-147** for the tank location.

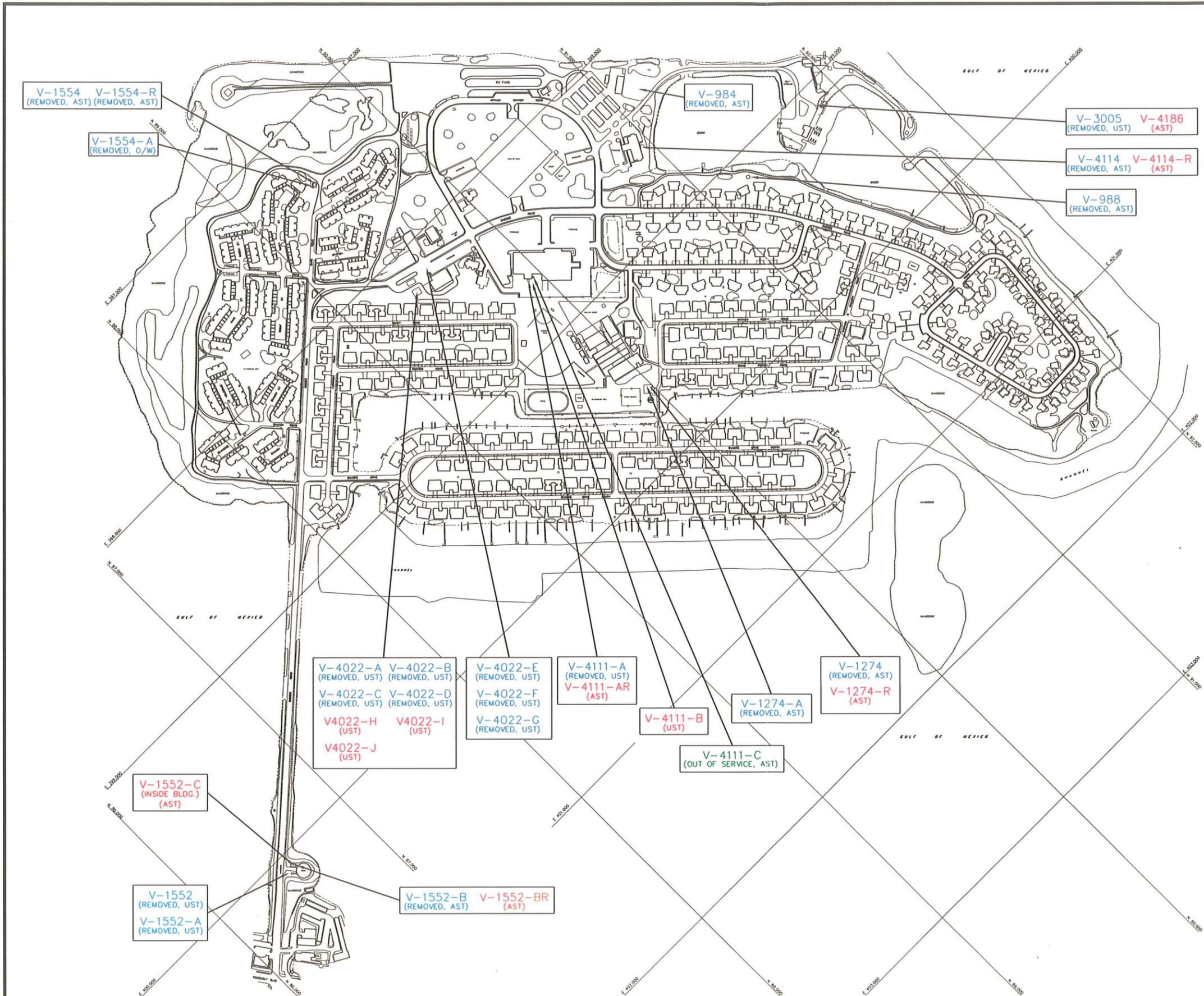
### 6.6.27.2 Regulatory Compliance Requirements

#### Closed Tank G-1

None.

## 6.7 Sigsbee Park

Figures 6-124 through 6-126 show the locations of existing and closed tanks at Sigsbee Park on Dredger's Key.



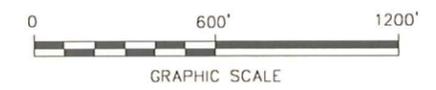
TOPOGRAPHIC MAP SYMBOLS

- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER

| TANK NAME | TANK STATUS              |
|-----------|--------------------------|
| 149-1     | (REMOVED, UST)           |
| UST       | UNDERGROUND STORAGE TANK |
| AST       | ABOVEGROUND STORAGE TANK |
| OW        | OIL/WATER SEPARATOR      |

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:  
 GENERAL DEVELOPMENT MAP OF THE EXISTING  
 CONDITIONS FOR SIGSBEE PARK NAS KEY  
 WEST, FL. BY SOUTHERN RESOURCE MAPPING  
 CORPORATION, HOLLY HILL, FL. DATE OF  
 PHOTOGRAPHY: NOVEMBER 3, 1994.



NAVAL AIR STATION  
 KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**

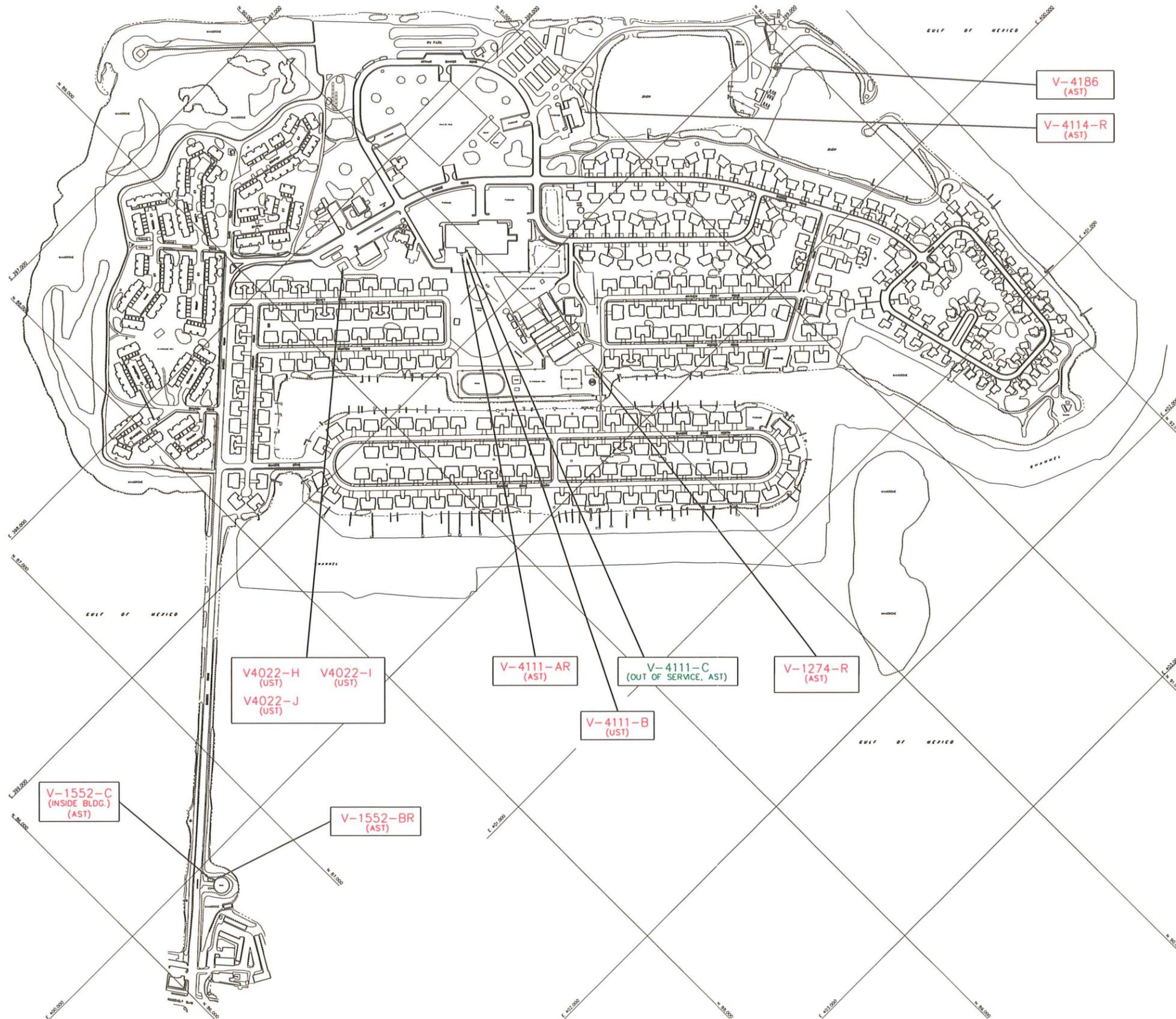
---

**SIGSBEE PARK**

---

**BBL** BLASLAND, BOUCK & LEE, INC.  
 engineers & scientists

FIGURE  
**6-124**



TOPOGRAPHIC MAP SYMBOLS

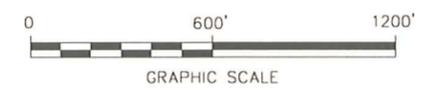
- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER

| TANK NAME | TANK STATUS    |
|-----------|----------------|
| 149-1     | (REMOVED, UST) |

- UST UNDERGROUND STORAGE TANK
- AST ABOVEGROUND STORAGE TANK
- OW OIL/WATER SEPARATOR

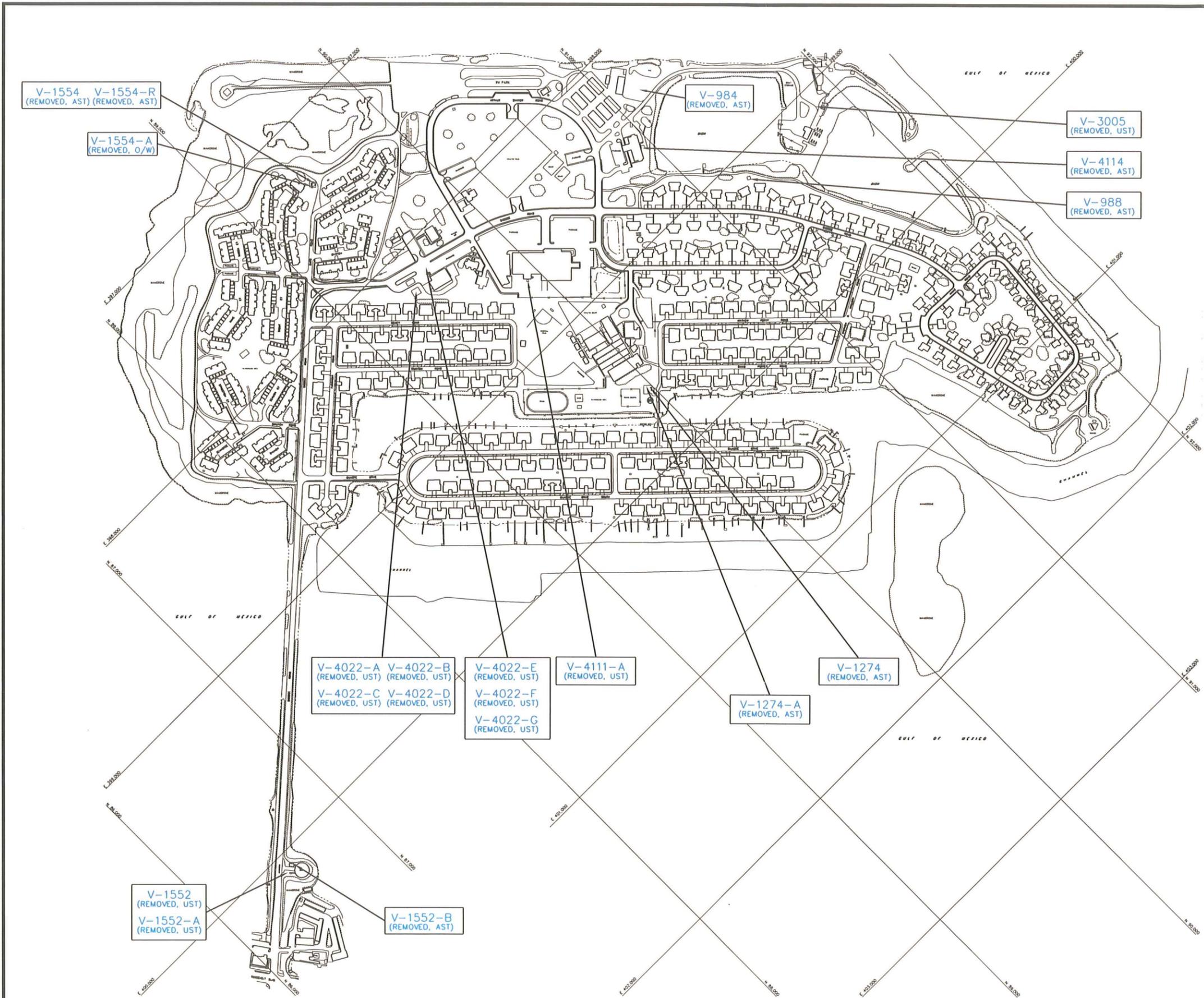
- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:  
 GENERAL DEVELOPMENT MAP OF THE EXISTING  
 CONDITIONS FOR SIGSBEE PARK NAS KEY  
 WEST, FL. BY SOUTHERN RESOURCE MAPPING  
 CORPORATION, HOLLY HILL, FL. DATE OF  
 PHOTOGRAPHY: NOVEMBER 3, 1994.



NAVAL AIR STATION  
 KEY WEST, FLORIDA  
 TANK MANAGEMENT PLAN

SIGSBEE PARK  
 (EXISTING TANKS)



TOPOGRAPHIC MAP SYMBOLS

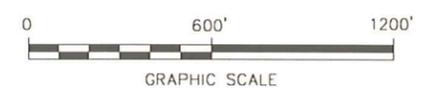
- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER

| TANK NAME | TANK STATUS    |
|-----------|----------------|
| 149-1     | (REMOVED, UST) |

- UST UNDERGROUND STORAGE TANK
- AST ABOVEGROUND STORAGE TANK
- OW OIL/WATER SEPARATOR

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:  
 GENERAL DEVELOPMENT MAP OF THE EXISTING  
 CONDITIONS FOR SIGSBEE PARK HAS KEY  
 WEST, FL. BY SOUTHERN RESOURCE MAPPING  
 CORPORATION, HOLLY HILL, FL. DATE OF  
 PHOTOGRAPHY: NOVEMBER 3, 1994.



NAVAL AIR STATION  
 KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

**SIGSBEE PARK**  
**(CLOSED TANKS)**

**BBL** BLASLAND, BOUCK & LEE, INC.  
 engineers & scientists

FIGURE  
**6-126**

## **6.7.1 Site V-984 – Sigsbee**

### **6.7.1.1 Closed Tank – V-984**

Sigsbee Building V-984 is located off Arthur Sawyer Road and southwest of the Sigsbee Park Marina (**Figure 6-126**). Former Tank V-984 was a 330-gallon fuel oil AST used to distribute fuel. The tank has been closed by removal.

### **6.7.1.2 Regulatory Compliance Requirements**

#### Closed Tank V-984

None.

## **6.7.2 Site V-988 – Sigsbee Sanitary Sewer Pump Station – Building V-988**

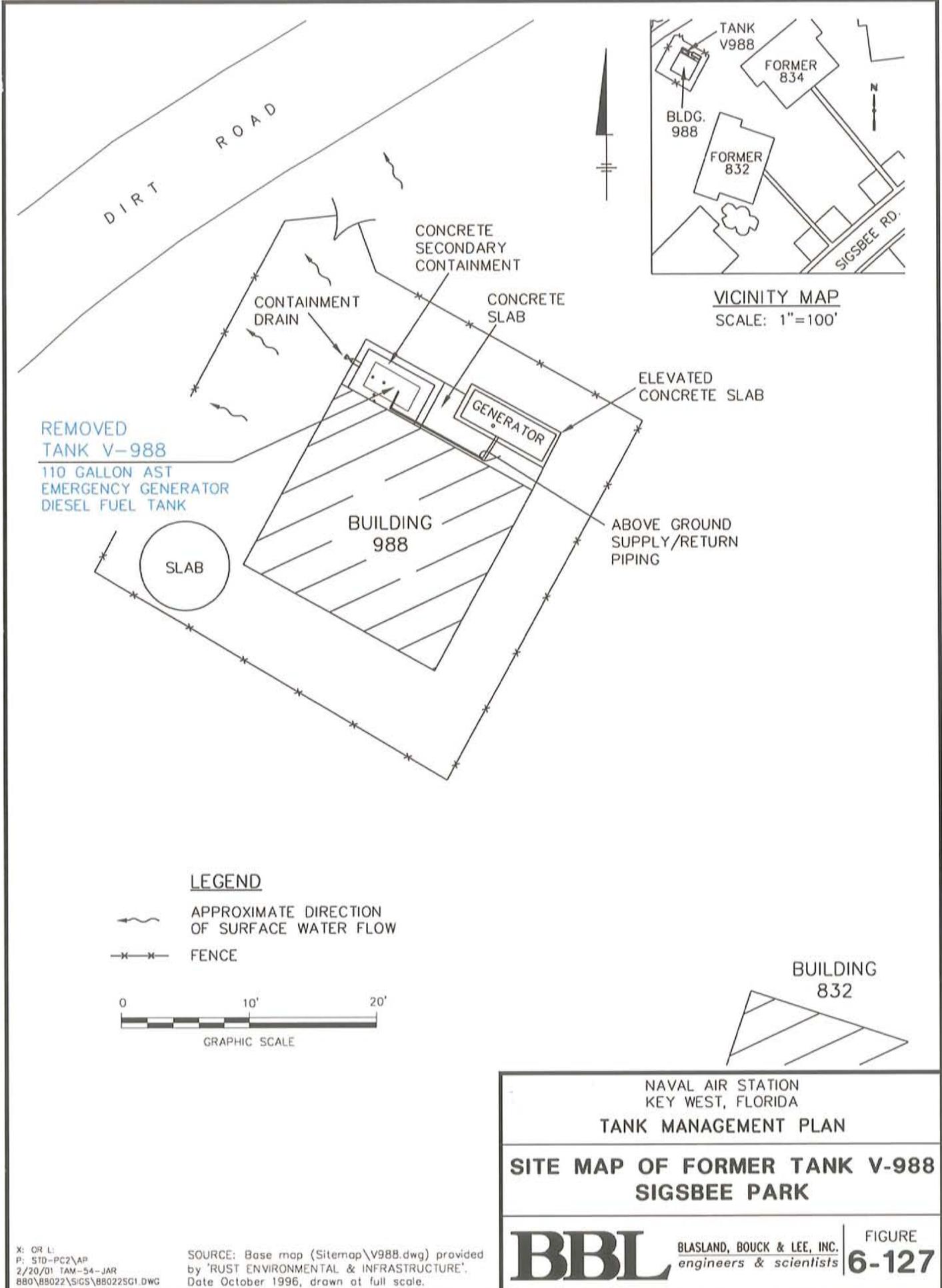
### **6.7.2.1 Closed Tank – V-988**

Building V-988 was a sewage pump station located north of Sigsbee Road and south of the Sigsbee Marina (**Figure 6-127**). A 110-gallon single-walled steel AST containing JP-5 fuel was found on the northeast side of the pump station building. Fuel from tank V-988 was used to operate the site's emergency generator. Tank V-988 had a 2-foot deep valved concrete secondary containment to control any spills or leaks. The tank was installed in 1990 and removed in January 2001.

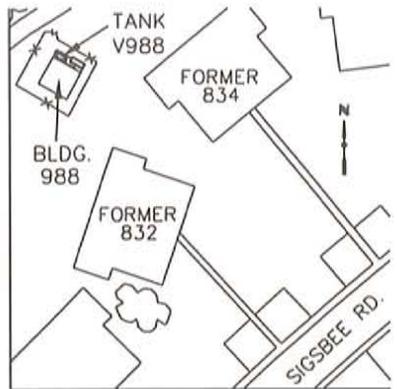
### **6.7.2.2 Regulatory Compliance Requirements**

#### Closed Tank V-988

None.

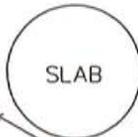


DIRT ROAD



VICINITY MAP  
SCALE: 1"=100'

REMOVED  
TANK V-988  
110 GALLON AST  
EMERGENCY GENERATOR  
DIESEL FUEL TANK



BUILDING  
988

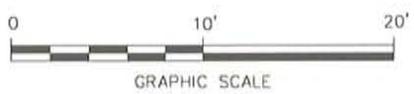
GENERATOR

ELEVATED  
CONCRETE SLAB

ABOVE GROUND  
SUPPLY/RETURN  
PIPING

**LEGEND**

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE



NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**  
**SITE MAP OF FORMER TANK V-988**  
**SIGSBEE PARK**

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists **FIGURE 6-127**

X: OR L:  
P: 510-PC2\AP  
2/20/01 TAM-54-JAR  
880\88022\SIGS\88022SG1.DWG

SOURCE: Base map (Sitemap\V988.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.  
Date October 1996, drawn at full scale.

### 6.7.3 Site V-1274 – Sigsbee Sewage Pump Station – Building V-1274

#### 6.7.3.1 Existing Tank – V-1274-R

Tank V-1274-R is a vaulted 500-gallon diesel AST located west of Building V-1274 (**Figure 6-128**). The tank supplies fuel to an emergency generator, which supplies power to an existing pump station in the event of an electrical outage. The NAS Public Works Office maintains and schedules refueling of this generator tank.

#### Tank V-1274-R

| Tank ID V-1274-R     |                                                                                          |
|----------------------|------------------------------------------------------------------------------------------|
| Year of Installation | 1998                                                                                     |
| Size                 | 500-gallons                                                                              |
| Contents             | JP-5                                                                                     |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                    |
| Regulated - Florida  | Unregulated                                                                              |
| Status               | In-Service                                                                               |
| Tank Construction    | Vaulted<br>Double-walled<br>Spill containment bucket                                     |
| Piping               | Aboveground<br>Suction piping system                                                     |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST system |

#### 6.7.3.2 Closed Tanks – V-1274, V-1274-A

Former Tank V-1274 was a 110-gallon fuel oil AST. Former Tank V-1274-A was a 250-gallon diesel generator fuel tank mounted in the base of an emergency generator. Located west of Building V-1274, the emergency generator supplies power to an existing pump station in the event of an electrical outage. No secondary containment was utilized for these tanks. The NAS Public Works Office maintained and scheduled refueling of the tanks. The tanks were closed by removal. **Figure 6-128** shows the location of the former tanks.

### 6.7.3.3 Regulatory Compliance Requirements

Tank V-1274-R

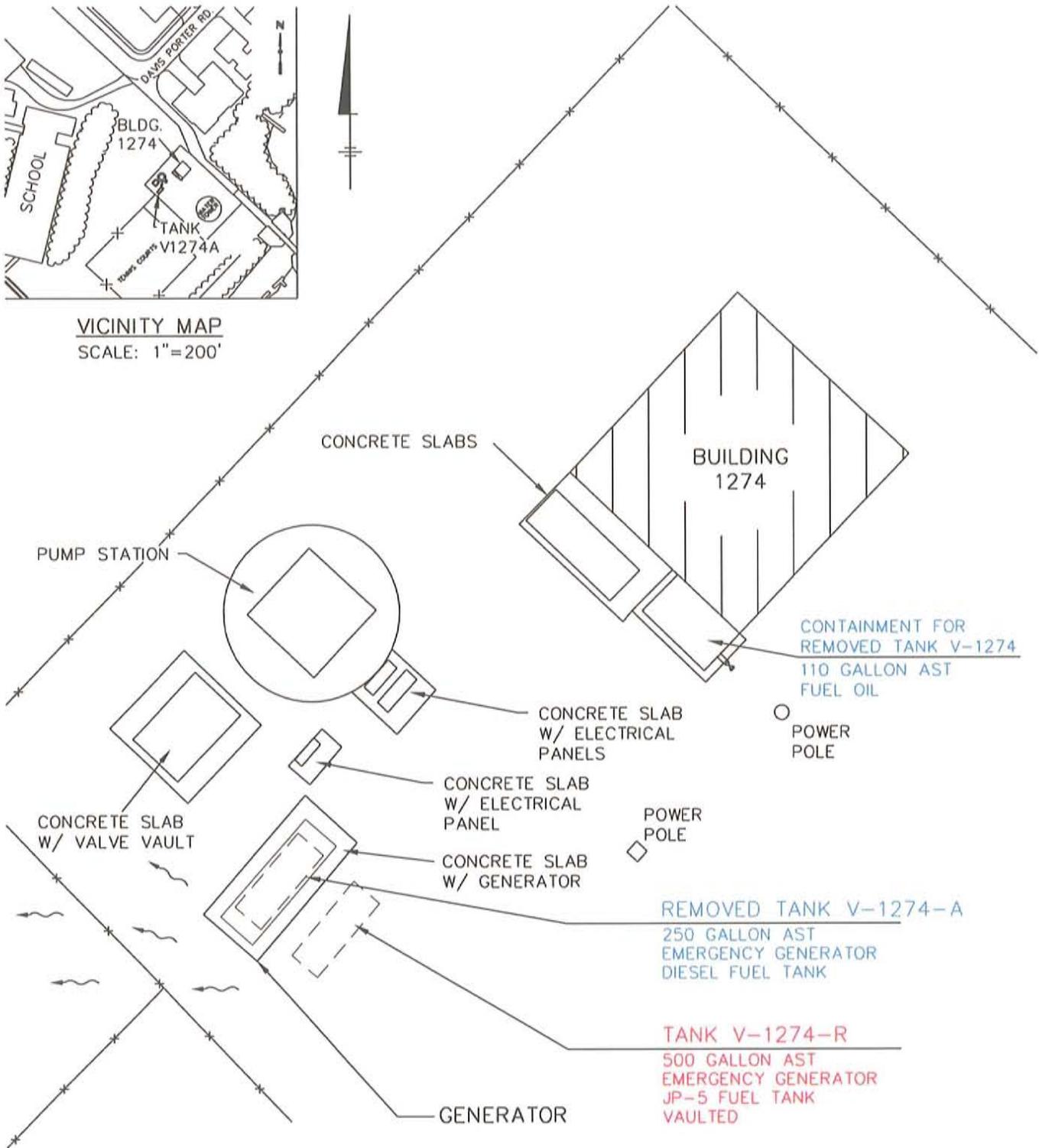
None.

Closed Tanks V-1274, V-1274-A

None.

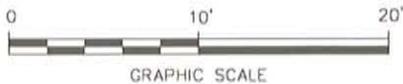


VICINITY MAP  
SCALE: 1" = 200'



**LEGEND**

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE



NAVAL AIR STATION  
KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

**SITE MAP OF TANK V-1274-R & FORMER TANKS V-1274 & V-1274-A SIGSBEE PARK**



FIGURE  
**6-128**

X: OR L:  
P: S10-PC2\AP  
1/8/01 TAM-54-JAR  
B80\88022\B80225G2.DWG

SOURCE: Base map (#37147N02.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale.

## 6.7.4 Site V-1552 – Sigsbee Potable Water System Pump Station – Building V-1552

### 6.7.4.1 Existing Tanks – V-1552-BR, V-1552-C

Building V-1552 is a potable water pumping station located on Sigsbee Road east of the main entrance guard house (**Figure 6-129**). The Gulf of Mexico bounds this site on the east and west. Two ASTs are located at the site. Tank V-1552-BR is a 500-gallon vaulted tank equipped with overfill and leak detection containing JP-5 fuel. JP-5 stored in this tank supplies fuel to Tank V-1552-C, which in turn provides a backup power source for the station's pumps during power outages. Tank V-1552-C is a 10-gallon AST and is mounted to the roof of Building V-1552. No secondary containment exists for V-1552-C. A spill occurred in 1997 from Tank V-1552-C. Soil initial remedial action was performed. An assessment followed and FDEP issued a NFA Order on August 28, 1998.

#### Tank V-1552-BR

| Tank ID V-1552-BR    |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1995                                                                                      |
| Size                 | 500-gallons                                                                               |
| Contents             | JP-5                                                                                      |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Unregulated                                                                               |
| Status               | In-Service                                                                                |
| Tank Construction    | Vaulted<br>Double-walled<br>Overfill protection – tight fill                              |
| Piping               | Aboveground<br>Suction piping system                                                      |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

### Tank V-1552-C

| Tank ID V-1552-C     |                               |
|----------------------|-------------------------------|
| Year of Installation | Data not available            |
| Size                 | 10-gallons                    |
| Contents             | JP-5                          |
| Regulated - Federal  | Regulated; 40 CFR 112         |
| Regulated - Florida  | Unregulated                   |
| Status               | In-Service                    |
| Tank Construction    | Single-walled unpainted steel |
| Piping               | Aboveground unpainted copper  |
| Leak Detection       | None                          |

#### **6.7.4.2 Closed Tanks – V-1552, V-1552-B**

One former 280-gallon UST, V-1552, was located at this site (**Figure 6-130**) and contained JP-5 (fuel oil). The tank was closed by removal on September 26, 1995. One AST was located on-site V-1552-B (**Figure 6-129**). Tank V-1552-B was a 500-gallon diesel AST that was removed and replaced by V-1552-BR.

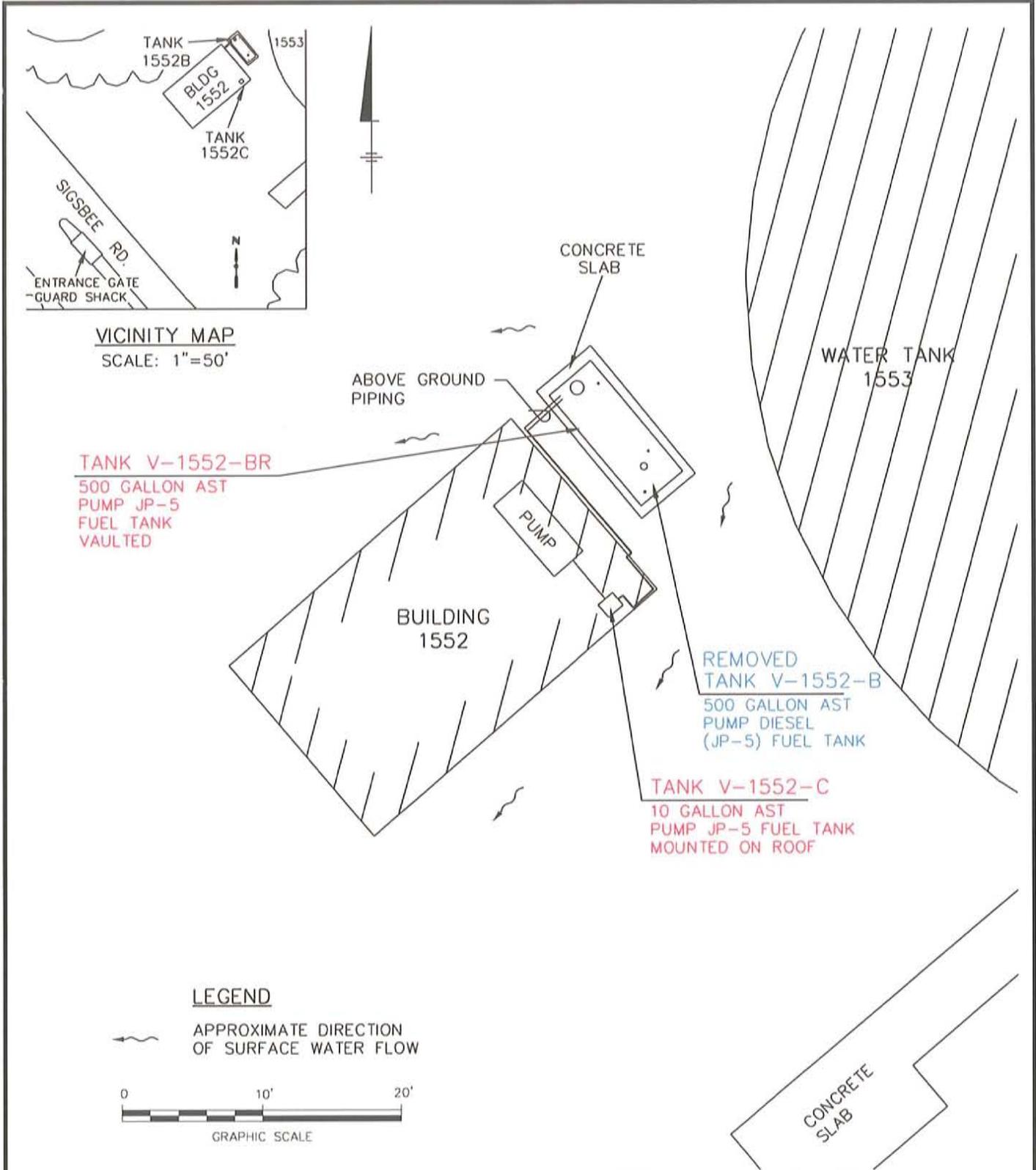
#### **6.7.4.3 Regulatory Compliance Requirements**

Tanks V-1552-BR, V-1552-C

None.

Closed Tanks V-1552, V-1552-B

None.



NAVAL AIR STATION  
KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

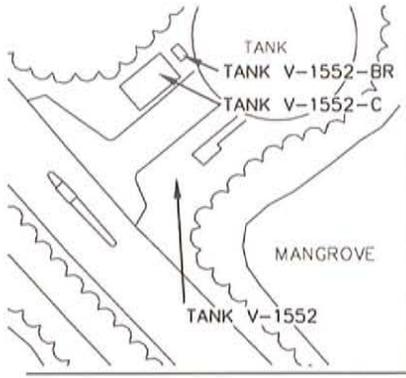
**SITE MAP OF TANKS V-1552-BR,  
V-1552-C & FORMER TANK  
V-1552-B - SIGSBEE PARK**

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-129**

X: OR L:  
P: NAVY-AP.PC2  
2/20/01 TAM-54-JAR  
880\88022\SIGS\88022S03.DWG

SOURCE: Base map (Sitemap\V1552.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.  
Date October 1996, drawn at full scale.



VICINITY MAP  
SCALE: 1"=50'



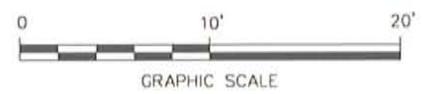
WATER TANK  
1553



REMOVED  
TANK V-1552  
280 GALLON UST  
FUEL OIL

LEGEND

 APPROXIMATE DIRECTION OF SURFACE WATER FLOW



NOTE: EXACT LOCATION OF REMOVED TANK V-1552-A UNKNOWN.

NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN

**SITE MAP OF FORMER TANK  
V-1552 - SIGSBEE PARK**

X: OR L:  
P: STD-PC2\AP  
1/9/01 TAM-54-JAR  
880\88022\5\GIS\88022509.DWG

SOURCE: Base map (37147N06.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date January 1997, drawn at full scale., UST Closure Report, Omega Environmental Services, Inc., October 1995.



BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-130**

## **6.7.5 Site V-1554 – Sigsbee Sewer Pump Station – Building V-1554**

### **6.7.5.1 Closed Tanks – V-1554, V-1554-R, V-1554-A**

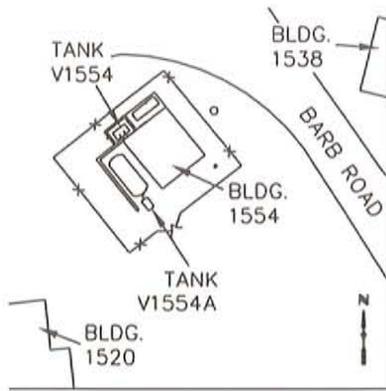
The pneumatic sewage pump station V-1554 is located at the north end of Barb Road (**Figure 6-131**). Military housing is found to the east and south with mangroves to the north and west of the site. Three former tanks were located at this site. Former Tank V-1554, 110-gallon AST, contained diesel fuel used to provide fuel to the station's emergency generator if there was a loss of power. A 1'-5" deep valved concrete secondary containment was used to control any leaks or spills from this tank. The tank has been closed by removal.

Former Tank V-1554-A, 150-gallon AST, contained diesel fuel used to provide fuel to the station's emergency generator if there was a loss of power. A 1'-5" deep valved concrete secondary containment was used to control any leaks or spills from this tank. Tank V-1554-A, formerly a 20-gallon oil/water separator, was used to capture oily water generated from the compressed air tank blow-off valve found north of Tank V-1554-A. A 4" deep wooden secondary containment with sand bottom had been constructed around this unit. Both tanks were closed by removal on November 15, 2000. No environmental concerns were identified.

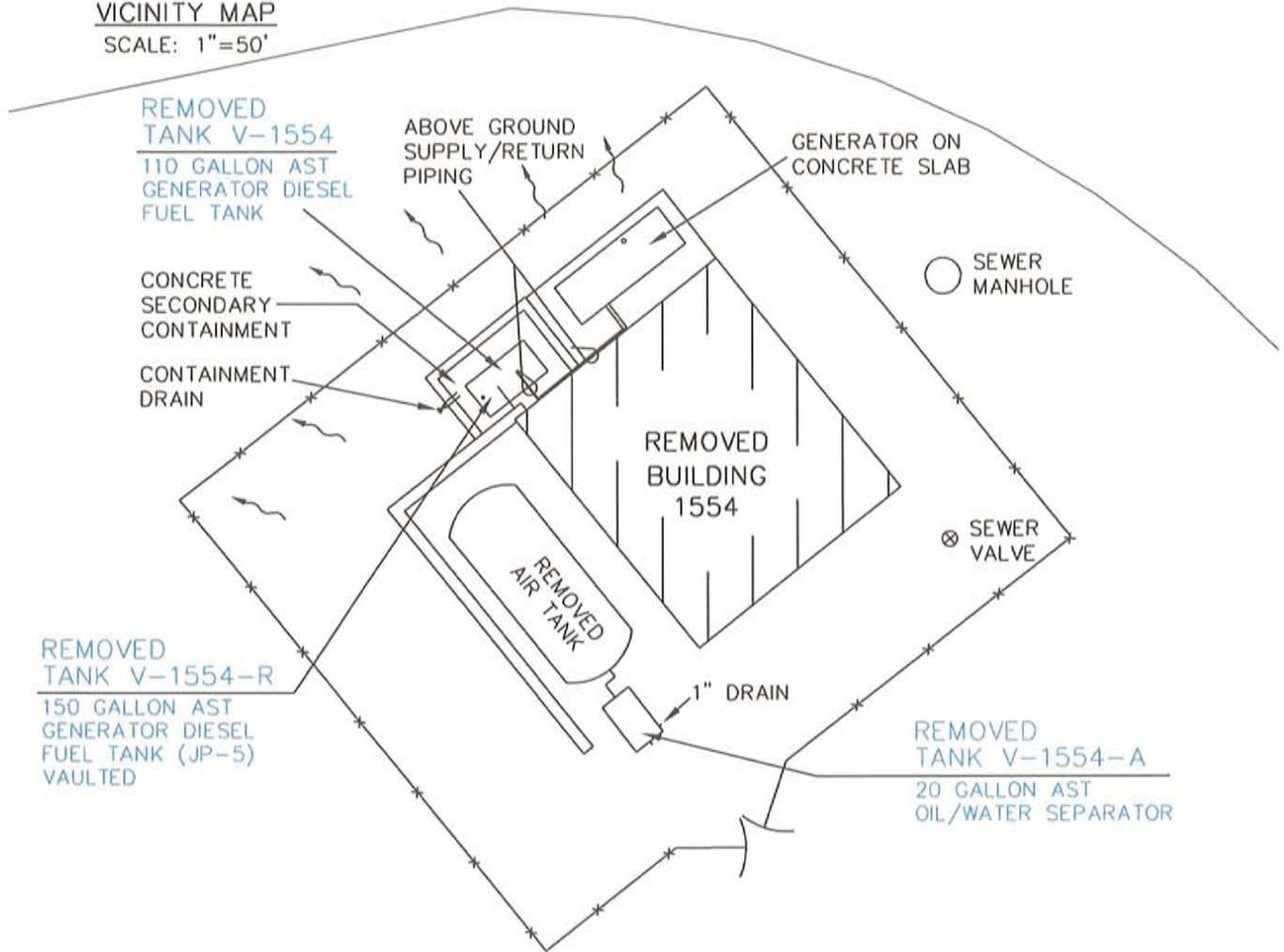
### **6.7.5.2 Regulatory Compliance Requirements**

Closed Tanks V-1554, V-1554-R, V-1554-A

None.



**VICINITY MAP**  
SCALE: 1"=50'



**REMOVED TANK V-1554-R**  
150 GALLON AST  
GENERATOR DIESEL  
FUEL TANK (JP-5)  
VAULTED

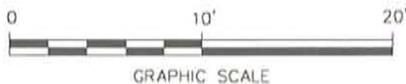
**REMOVED TANK V-1554**  
110 GALLON AST  
GENERATOR DIESEL  
FUEL TANK

**REMOVED TANK V-1554-A**  
20 GALLON AST  
OIL/WATER SEPARATOR

**LEGEND**

~ ~ ~ APPROXIMATE DIRECTION OF SURFACE WATER FLOW

-x-x- FENCE



NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**  
**SITE MAP OF FORMER TANKS**  
**V-1554-R, V-1554-A & V-1554**  
**SIGSBEE PARK**



BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-131**

X: OR L  
P: NVAY-AP.PC2  
2/20/01 TAM-54-JAR  
880\88022\5\CS\880225G4.DWG

SOURCE: Base map (Sitemap\V1554.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale.

## 6.7.6 Sigsbee Marina – Building V-3005

### 6.7.6.1 Existing Tank – V-4186

The Sigsbee Marina is located in the northern section of Sigsbee Park (**Figures 6-124 and 6-132**). Adjacent to the north, west and south is the Gulf of Mexico. The marina filling station V-3005 is centrally located in the marina and contains a 5,000-gallon vaulted AST. Vehicular unleaded gasoline from tank V-4186 is used for the refueling of recreation boats via two standard dispensers.

#### Tank V-4186

| Tank ID V-4186       |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1999                                                                                      |
| Size                 | 5,000-gallons                                                                             |
| Contents             | Unleaded Gasoline                                                                         |
| Regulated - Federal  | Regulated; 40 CFR 112; 40 CFR 280                                                         |
| Regulated - Florida  | Regulated; FAC 62-761                                                                     |
| Status               | In-Service                                                                                |
| Tank Construction    | Vaulted<br>Double-walled<br>Spill containment bucket                                      |
| Piping               | Double-walled<br>Suction piping system                                                    |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

### 6.7.6.2 Closed Tank – V-3005

One 4,000-gallon UST was located at the site. Unleaded gasoline from tank V-3005 was used for the refueling of recreation boats via two standard dispensers (**Figure 6-132**). The tank was closed by removal on January 28, 1999.

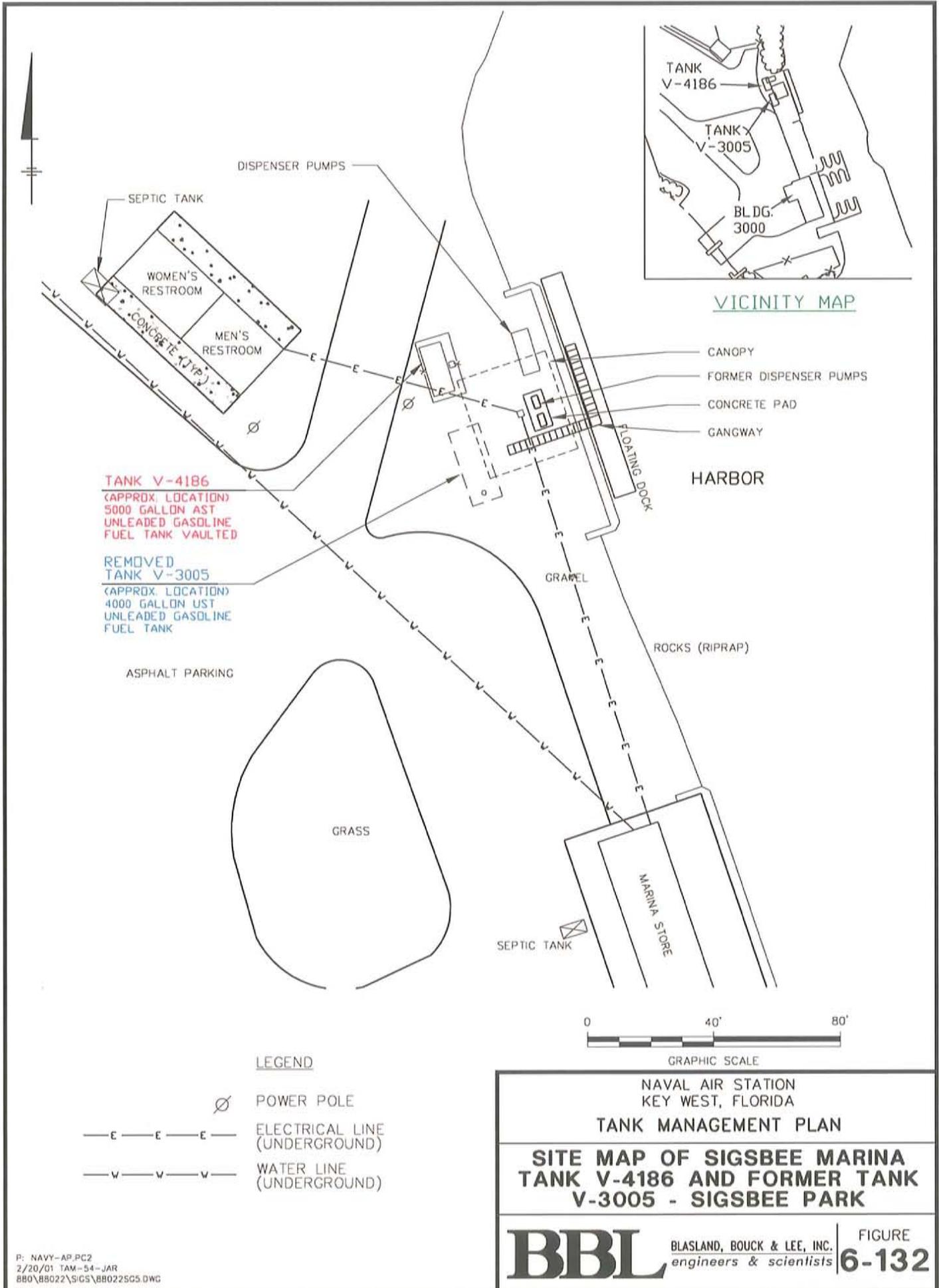
### 6.7.6.3 Regulatory Compliance Requirements

#### Tank V-4186

Install anti-siphon valve on all aboveground piping routed outside secondary containment.

#### Closed Tank V-3005

A Contamination Assessment was submitted to the FDEP for this site in November 2000. FDEP issued a NFA on January 9, 2001.



## 6.7.7 Site V-4022 – Sigsbee Park Exchange Service Station – Building 800

### 6.7.7.1 Existing Tanks – V-4022-H, V-4022-I, V-4022-J

The Sigsbee Park Exchange Service Station is located on Sigsbee Road west of Building 800 (Figure 6-133). Sigsbee Park housing is found immediately to the south of the service station. Three USTs exist at this site. Fuels stored at this facility are used to refuel active and retired military personnel vehicles via four standard dispensing units. Located east of the dispensing station are the three USTs V-4022-H, V-4022-I, and V-4022-J. Tank V-4022-H is a 10,000-gallon double-walled steel tank. Tank V-4022-I is a 6,000-gallon double-walled steel tank, which contains vehicular gasoline. Tank V-4022-J is a 6,000-gallon double-walled steel tank containing vehicular diesel. The three tanks are equipped with overfill protection and interstitial monitoring for leak detection.

#### Tank V-4022-H

| <b>Tank ID V-4022-H</b> |                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Year of Installation    | 1999                                                                                                                               |
| Size                    | 10,000-gallons                                                                                                                     |
| Contents                | Unleaded Gasoline                                                                                                                  |
| Regulated - Federal     | Regulated; 40 CFR 112; 40 CFR 280                                                                                                  |
| Regulated - Florida     | Regulated; FAC 62-761                                                                                                              |
| Status                  | In-Service                                                                                                                         |
| Tank Construction       | Double-walled, steel with cathodic protection<br>Spill containment bucket<br>Overfill protection – tight fill, level gauges, alarm |
| Piping                  | Double-walled<br>Pressurized piping system                                                                                         |
| Leak Detection          | SPCC Plan<br>Interstitial space – double-walled                                                                                    |

Tank V-4022-I

| Tank ID V-4022-I     |                                                                                                                                    |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Year of Installation | 1999                                                                                                                               |
| Size                 | 6,000-gallons                                                                                                                      |
| Contents             | Unleaded Gasoline                                                                                                                  |
| Regulated - Federal  | Regulated; 40 CFR 112; 40 CFR 280                                                                                                  |
| Regulated - Florida  | Regulated; FAC 62-761                                                                                                              |
| Status               | In-Service                                                                                                                         |
| Tank Construction    | Double-walled, steel with cathodic protection<br>Spill containment bucket<br>Overfill protection – tight fill, level gauges, alarm |
| Piping               | Double-walled<br>Pressurized piping system                                                                                         |
| Leak Detection       | SPCC Plan<br>Interstitial space – double-walled                                                                                    |

## Tank V-4022-J

| Tank ID V-4022-J     |                                                                                                                                    |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Year of Installation | 1999                                                                                                                               |
| Size                 | 6,000-gallons                                                                                                                      |
| Contents             | Unleaded Gasoline                                                                                                                  |
| Regulated - Federal  | Regulated; 40 CFR 112; 40 CFR 280                                                                                                  |
| Regulated - Florida  | Regulated; FAC 62-761                                                                                                              |
| Status               | In-Service                                                                                                                         |
| Tank Construction    | Double-walled, steel with cathodic protection<br>Spill containment bucket<br>Overfill protection – tight fill, level gauges, alarm |
| Piping               | Double-walled<br>Pressurized piping system                                                                                         |
| Leak Detection       | SPCC Plan<br>Interstitial space – double-walled                                                                                    |

### **6.7.7.2 Closed Tanks – V-4022-A, V-4022-B, V-4022-C, V-4022-D, V-4022-E, V-4022-F, V-4022-G**

Formerly, seven USTs were located at this site (**Figure 6-133**). Fuels stored by these tanks were used to refuel active and retired military personnel vehicles via four standard dispensing units. Tanks V-4022-A through V-4022-C were 10,000-gallon fiberglass tanks containing. These tanks were abandoned by removal on October 19, 1998. Tank V-4022-D was a 6,000-gallon fiberglass tank containing vehicular gasoline. This tank was abandoned by removal on October 19, 1998. Tanks V-4022-E, V-4022-F and V-4022-G were 1,000-gallon vehicular gasoline tanks located northeast of the main dispenser units. These tanks were abandoned by removal on August 6, 1996. The site was issued a NFA by FDEP on May 10, 1999.

### **6.7.7.3 Regulatory Compliance Requirements**

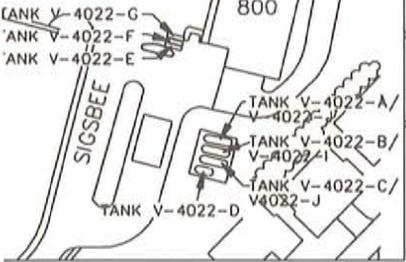
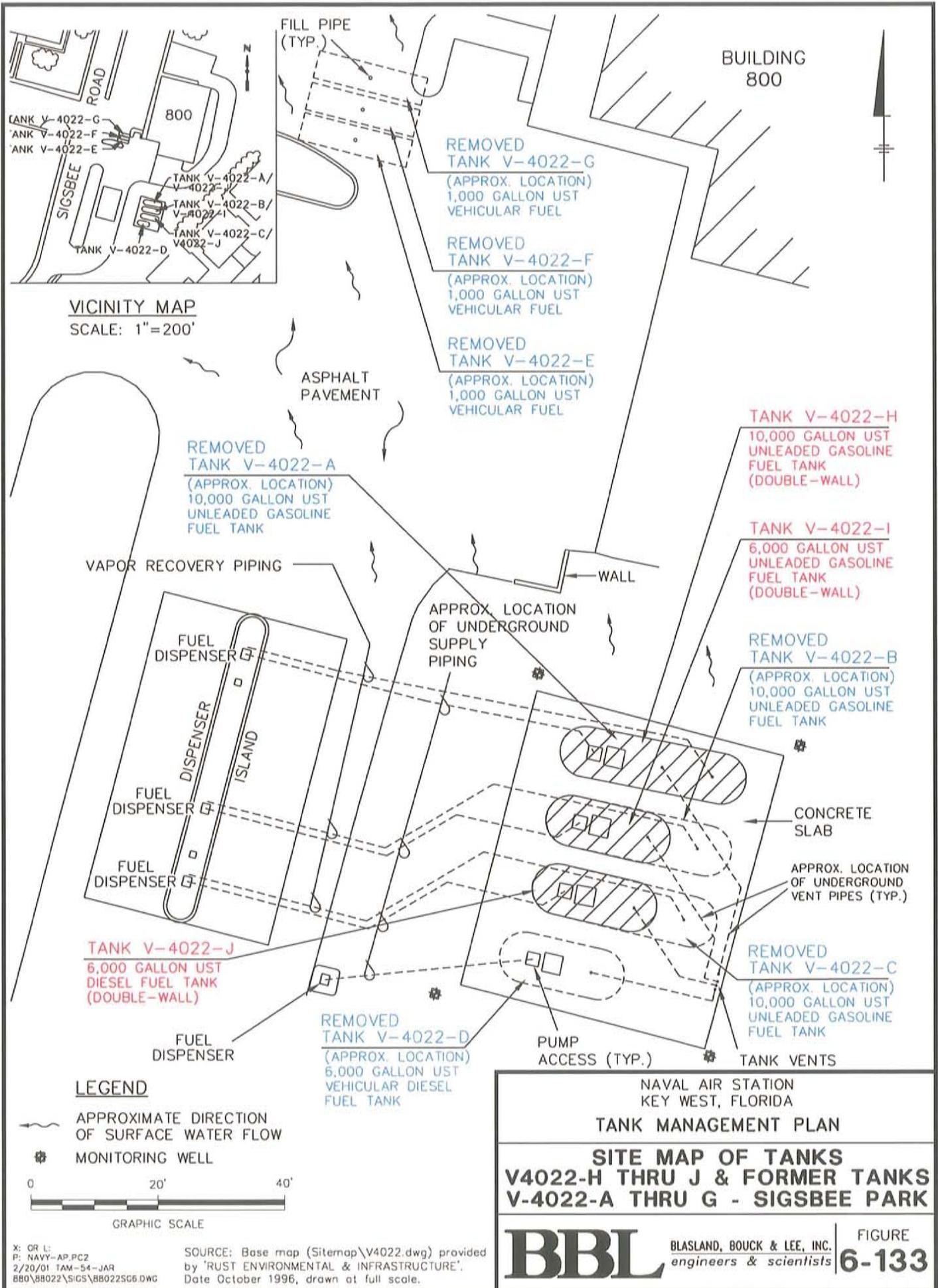
#### Tanks V-4022-H, V-4022-I, V-4022-J

Ensure all three compartments on each tank are locked.

Install anti-siphon valve on all aboveground piping routed outside secondary containment.

#### Closed Tanks V-4022-A, V-4022-B, V-4022-C, V-4022-D, V-4022-E, V-4022-F, V-4022-G

None.



FILL PIPE  
(TYP.)

BUILDING  
800

REMOVED  
TANK V-4022-G  
(APPROX. LOCATION)  
1,000 GALLON UST  
VEHICULAR FUEL

REMOVED  
TANK V-4022-F  
(APPROX. LOCATION)  
1,000 GALLON UST  
VEHICULAR FUEL

REMOVED  
TANK V-4022-E  
(APPROX. LOCATION)  
1,000 GALLON UST  
VEHICULAR FUEL

VICINITY MAP  
SCALE: 1" = 200'

ASPHALT  
PAVEMENT

REMOVED  
TANK V-4022-A  
(APPROX. LOCATION)  
10,000 GALLON UST  
UNLEADED GASOLINE  
FUEL TANK

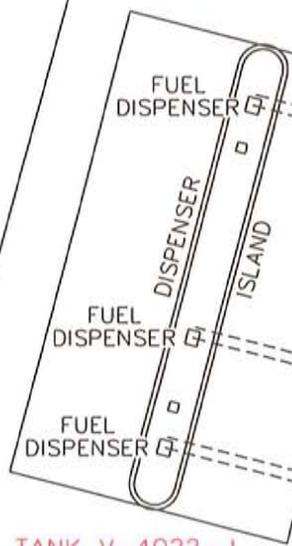
TANK V-4022-H  
10,000 GALLON UST  
UNLEADED GASOLINE  
FUEL TANK  
(DOUBLE-WALL)

TANK V-4022-I  
6,000 GALLON UST  
UNLEADED GASOLINE  
FUEL TANK  
(DOUBLE-WALL)

VAPOR RECOVERY PIPING

APPROX. LOCATION  
OF UNDERGROUND  
SUPPLY  
PIPING

REMOVED  
TANK V-4022-B  
(APPROX. LOCATION)  
10,000 GALLON UST  
UNLEADED GASOLINE  
FUEL TANK



TANK V-4022-J  
6,000 GALLON UST  
DIESEL FUEL TANK  
(DOUBLE-WALL)

CONCRETE  
SLAB

APPROX. LOCATION  
OF UNDERGROUND  
VENT PIPES (TYP.)

REMOVED  
TANK V-4022-C  
(APPROX. LOCATION)  
10,000 GALLON UST  
UNLEADED GASOLINE  
FUEL TANK

REMOVED  
TANK V-4022-D  
(APPROX. LOCATION)  
6,000 GALLON UST  
VEHICULAR DIESEL  
FUEL TANK

PUMP  
ACCESS (TYP.)

TANK VENTS

FUEL  
DISPENSER

NAVAL AIR STATION  
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

SITE MAP OF TANKS  
V4022-H THRU J & FORMER TANKS  
V-4022-A THRU G - SIGSBEE PARK

X: OR L  
P: NAVY-AP.PC2  
2/20/01 TAM-54-JAR  
880\88022\SIGS\88022SC6.DWG

SOURCE: Base map (Sitemap\V4022.dwg) provided  
by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.  
Date October 1996, drawn at full scale.

## 6.7.8 Site V-4111 – Sigsbee Park Navy Exchange – Building V-4111

### 6.7.8.1 Existing Tanks – V-4111-AR, V-4111-B, V-4111-C

Building V-4111, located on Sigsbee Road, houses the Navy Exchange and Commissary (**Figure 6-134**). There is one UST, V-4111-B, and two ASTs, V-4111-AR and V-4111-C, found on the south side of this building.

#### Tank V-4111-AR

Tank V-4111-AR is a 500-gallon JP-5 (diesel fuel) vaulted AST used to supply diesel fuel to an emergency generator. This tank is equipped with a fill level gauge and leak detection.

| Tank ID V-4111-AR    |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1998                                                                                      |
| Size                 | 500-gallons                                                                               |
| Contents             | JP-5                                                                                      |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Unregulated                                                                               |
| Status               | In-Service                                                                                |
| Tank Construction    | Vaulted<br>Double-walled<br>Spill containment – level gauges                              |
| Piping               | Aboveground<br>Suction piping system                                                      |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

Tank V-4111-B

The transformer fluid Tank V-4111-B is located northwest of Tank V-4111-A. This 200-gallon process tank was constructed to receive excess fluid from a transformer room sump located within Building V-4111. No secondary containment exists for this tank. This tank has never been used and is not expected to ever be used.

| <b>Tank ID V-4111-B</b> |                                                                     |
|-------------------------|---------------------------------------------------------------------|
| Year of Installation    | Unknown                                                             |
| Size                    | 200-gallons                                                         |
| Contents                | Unknown (serves as Emergency Spill Reservoir for Transformer Fluid) |
| Regulated - Federal     | Unregulated                                                         |
| Regulated - Florida     | Unregulated                                                         |
| Status                  | In-Service                                                          |
| Tank Construction       | Concrete                                                            |
| Piping                  | Underground fiberglass                                              |
| Leak Detection          | None; not required                                                  |

### Tank V-4111-C

Tank V-4111-C is a 25-gallon aboveground diesel fuel day tank with a level gauge. Diesel was received from former Tank V-4111-A for use during electrical outages. No secondary containment exists for Tank V-4111-C. The tank is currently disconnected and out-of-service.

| Tank ID V-4111-C     |                             |
|----------------------|-----------------------------|
| Year of Installation | Data not available          |
| Size                 | 25-gallons                  |
| Contents             | JP-5                        |
| Regulated - Federal  | Regulated; 40 CFR 112       |
| Regulated - Florida  | Unregulated                 |
| Status               | Out of Service              |
| Tank Construction    | Single-walled painted steel |
| Piping               | Aboveground unpainted steel |
| Leak Detection       | None; required              |

### **6.7.8.2 Closed Tank – V-4111-A**

#### Tank V-4111-A

Former tank V-4111-A was a 560-gallon underground diesel fuel tank used to supply diesel fuel to an emergency generator day tank located on an elevated slab at the rear of the commissary (**Figure 6-134**). This tank was equipped with a fill level gauge and leak detection. The tank was closed by removal on May 21, 1998. No environmental concerns remain for this site.

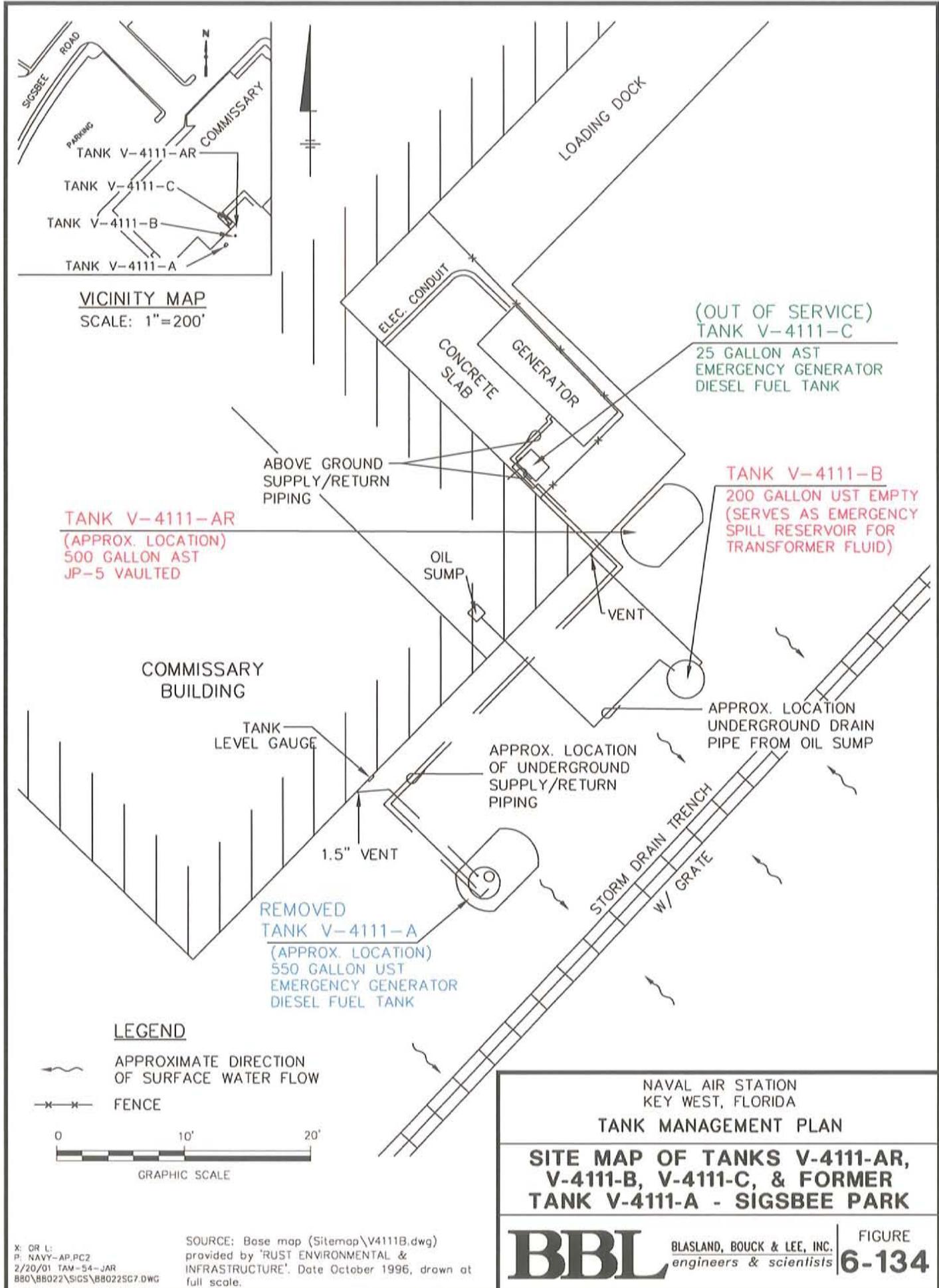
### **6.7.8.3 Regulatory Compliance Requirements**

#### Tanks V-4111-AR, V-4111-B, V-4111-C

None.

#### Closed Tank V-4111-A

None.



VICINITY MAP  
SCALE: 1"=200'

(OUT OF SERVICE)  
TANK V-4111-C  
25 GALLON AST  
EMERGENCY GENERATOR  
DIESEL FUEL TANK

TANK V-4111-AR  
(APPROX. LOCATION)  
500 GALLON AST  
JP-5 VAULTED

TANK V-4111-B  
200 GALLON UST EMPTY  
(SERVES AS EMERGENCY  
SPILL RESERVOIR FOR  
TRANSFORMER FLUID)

ABOVE GROUND  
SUPPLY/RETURN  
PIPING

OIL SUMP

VENT

COMMISSARY  
BUILDING

TANK  
LEVEL GAUGE

APPROX. LOCATION  
OF UNDERGROUND  
SUPPLY/RETURN  
PIPING

APPROX. LOCATION  
UNDERGROUND DRAIN  
PIPE FROM OIL SUMP

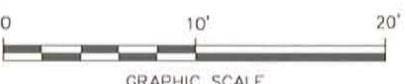
1.5" VENT

REMOVED  
TANK V-4111-A  
(APPROX. LOCATION)  
550 GALLON UST  
EMERGENCY GENERATOR  
DIESEL FUEL TANK

STORM DRAIN TRENCH  
W/ GRATE

LEGEND

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE



NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN

SITE MAP OF TANKS V-4111-AR,  
V-4111-B, V-4111-C, & FORMER  
TANK V-4111-A - SIGSBEE PARK

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-134**

X: QR L:  
P: NAVY-AP\_PC2  
2/20/01 TAM-54-JAR  
880\88022\SIGS\88022SG7.DWG

SOURCE: Base map (Sitemap\V4111B.dwg)  
provided by 'RUST ENVIRONMENTAL &  
INFRASTRUCTURE'. Date October 1996, drawn at  
full scale.

## 6.7.9 Site V-4114 – Sigsbee Navy Lodge – Building V-4114

### 6.7.9.1 Existing Tank – V-4114-R

The Navy Lodge Building V-4114 is located on Arthur Sawyer Road and southwest of the Sigsbee Park Marina (**Figure 6-135**). At this site there is a 500-gallon vaulted Tank V-411-R found on the west side of Building V-4114. JP-5 fuel from Tank V-4114-R is used to provide fuel for the lodge's hot water heaters.

#### Tank V-4114-R

| Tank ID V-4114-R     |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1998                                                                                      |
| Size                 | 500-gallons                                                                               |
| Contents             | JP-5                                                                                      |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Unregulated                                                                               |
| Status               | In-Service                                                                                |
| Tank Construction    | Vaulted<br>Double-walled<br>Spill containment – level gauges                              |
| Piping               | Aboveground<br>Suction piping system                                                      |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

### 6.7.9.2 Closed Tank – V-4114

Former tank V-4114, was a 550-gallon AST within an 8-inch deep concrete secondary containment found on the west side of Building V-4114 (**Figure 6-135**). JP-5 (jet fuel) from Tank V-4114 was used to provide fuel for the lodge's hot water heaters. The tank has been closed by removal.

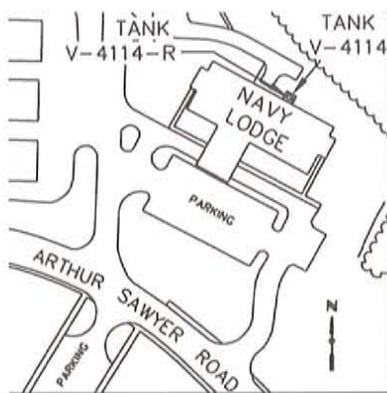
### 6.7.9.3 Regulatory Compliance Requirements

Tank V-4114-R

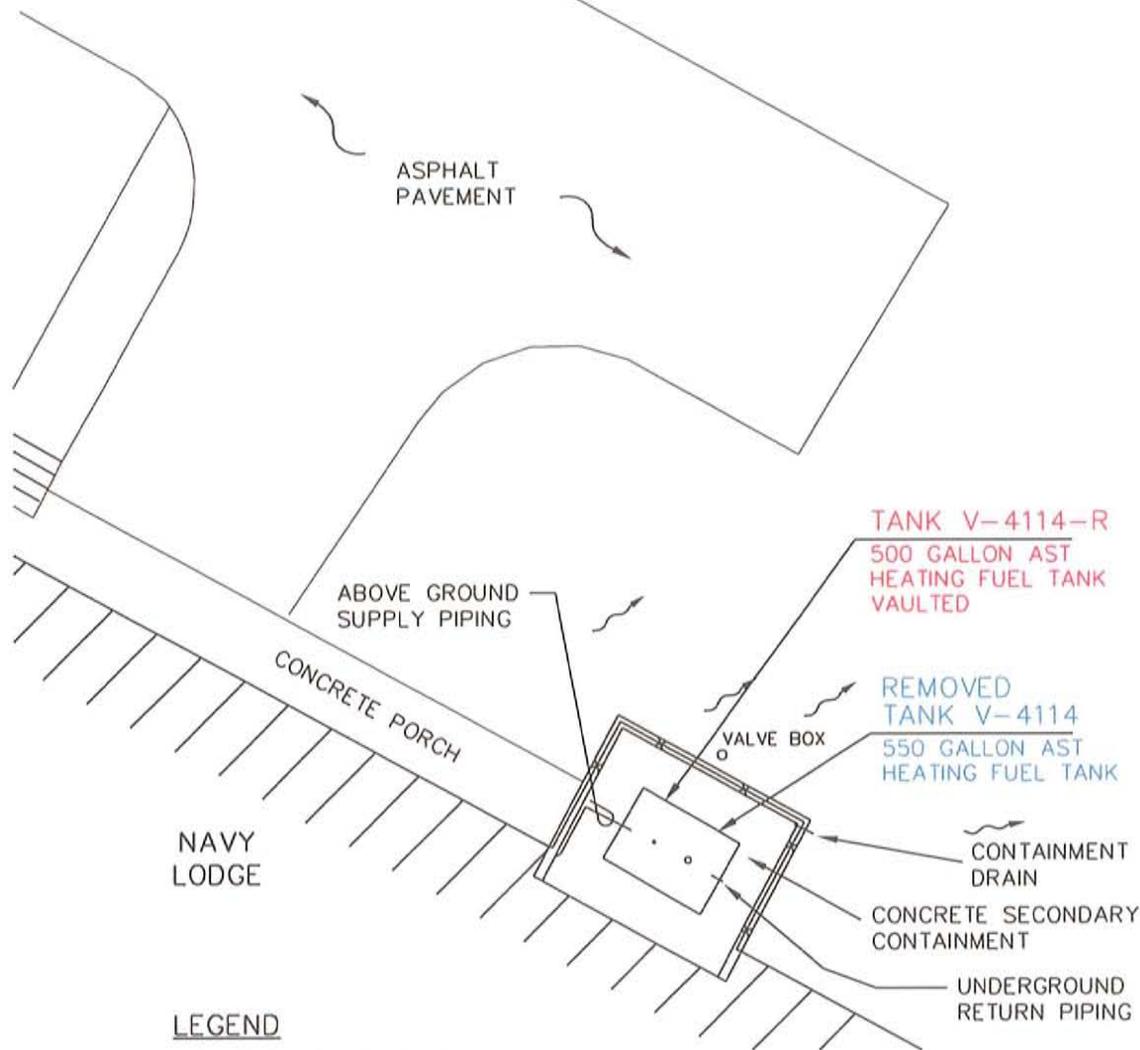
Bolt tank to concrete slab.

Closed Tank V-4114

None.

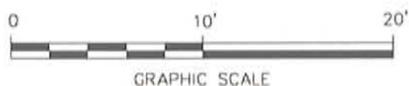


VICINITY MAP  
SCALE: 1"=200'



**LEGEND**

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE



NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**  
**SITE MAP OF TANK V-4114-R & FORMER TANK V-4114**  
**SIGSBEE PARK**

X: OR L:  
P: STD-PC2\AP  
1/8/01 TAM-54-JAR  
880\88022\SIGS\88022SCB.DWG

SOURCE: Base map (Sitemap\V4114.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.  
Date October 1996, drawn at full scale.

**BBL**

BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-135**

## 6.8 Saddlebunch Key

Saddlebunch Keys are located to the northeast of Boca Chica Key. General site maps are provided as **Figures 6-136** through **6-138**.

### 6.8.1 Saddlebunch Transmission Site

The transmitter site is approximately 15 miles northeast of Key West on Saddlebunch Key. Building J-1561 is located at the center of this complex and utilizes two ASTs as fuel sources for its emergency generators, J-1561-AR and J-1563-R (**Figures 6-136** through **6-139**).

#### 6.8.1.1 Existing Tanks – J-1561-AR, J-1563-R

##### Tank J-1561-AR

J-1561-AR is a 200-gallon JP-5 AST mounted in the base of an emergency generator inside Building J-1561 (**Figure 6-139**). JP-5 received from Tank J-1563-R feeds this tank that in turn supplies the facility's emergency generator with fuel. Use of the emergency generator is limited to testing and power outages. Tank J-1561-AR has secondary containment.

| <b>Tank ID J-1561-AR</b> |                                                    |
|--------------------------|----------------------------------------------------|
| Year of Installation     | 2000                                               |
| Size                     | 200-gallons                                        |
| Contents                 | JP-5                                               |
| Regulated - Federal      | Regulated; 40 CFR 112                              |
| Regulated - Florida      | Unregulated                                        |
| Status                   | In-Service                                         |
| Tank Construction        | Double-walled                                      |
| Piping                   | Aboveground<br>Fiberglass<br>Suction piping system |
| Leak Detection           | SPCC Plan<br>Visual inspection of AST systems      |

Tank J-1563-R

Tank J-1563-R is a 10,000 AST located inside a 4-foot deep valved concrete secondary containment north of Building J-1561 (Figure 6-139). Diesel fuel from the tank supplies fuel to an emergency generator found inside Building J-1561. The tank was installed in 1994 as the replacement for Tank J-1563.

| Tank ID J-1563-R     |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1994                                                                                      |
| Size                 | 10,000-gallons                                                                            |
| Contents             | JP-5                                                                                      |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Regulated; FAC 62-761                                                                     |
| Status               | In-Service                                                                                |
| Tank Construction    | Double-walled<br>Secondary containment<br>Overfill protection – level gauges              |
| Piping               | Aboveground<br>Suction piping system                                                      |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

**6.8.1.2 Closed Tanks – J-1561-A, J-1563**

Tank J-1563

Former tank J-1563 was a 10,000 AST located inside a 4-foot deep valved concrete secondary containment north of Building J-1561 (Figure 6-139). Diesel fuel from the tank supplied fuel to an emergency generator found inside Building J-1561. The tank was closed by removal in 1994. No environmental concerns were identified.

Tank J-1561-A

Former tank J-1561-A was a 100-gallon diesel fuel tank mounted in the base of an emergency generator inside Building J-1561 (Figure 6-139). Diesel fuel received from Tank J-1561 fed this tank that in turn supplied the facility's emergency generator with fuel. Use of the emergency generator was limited to testing and power outages. Tank J-1561-A had no secondary containment. The tank was closed by removal in 1994. No environmental concerns were identified. Tank J-1561-AR was installed in 2000 as the replacement unit.

### 6.8.1.3 Regulatory Compliance Requirements

#### Tank J-1561-AR

Provide lock for secondary containment.

#### Tank J-1563-R

Install anti-siphon valve on all aboveground piping routed outside secondary containment.

#### Closed Tanks J-1563, J-1561-A

None.

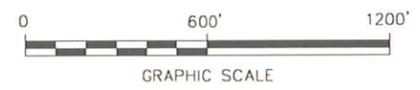


TOPOGRAPHIC MAP SYMBOLS

- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER
- |                |             |
|----------------|-------------|
| J1561          | TANK NAME   |
| (REMOVED, UST) | TANK STATUS |
- UST UNDERGROUND STORAGE TANK
- AST ABOVEGROUND STORAGE TANK

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:  
GENERAL DEVELOPMENT MAP OF THE EXISTING  
CONDITIONS FOR NAVAL COMMUNICATIONS UNIT,  
NAS KEY WEST, FL. BY SOUTHERN RESOURCE  
MAPPING CORPORATION, HOLLY HILL, FL. DATE  
OF PHOTOGRAPHY: NOVEMBER 3, 1994.



NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**

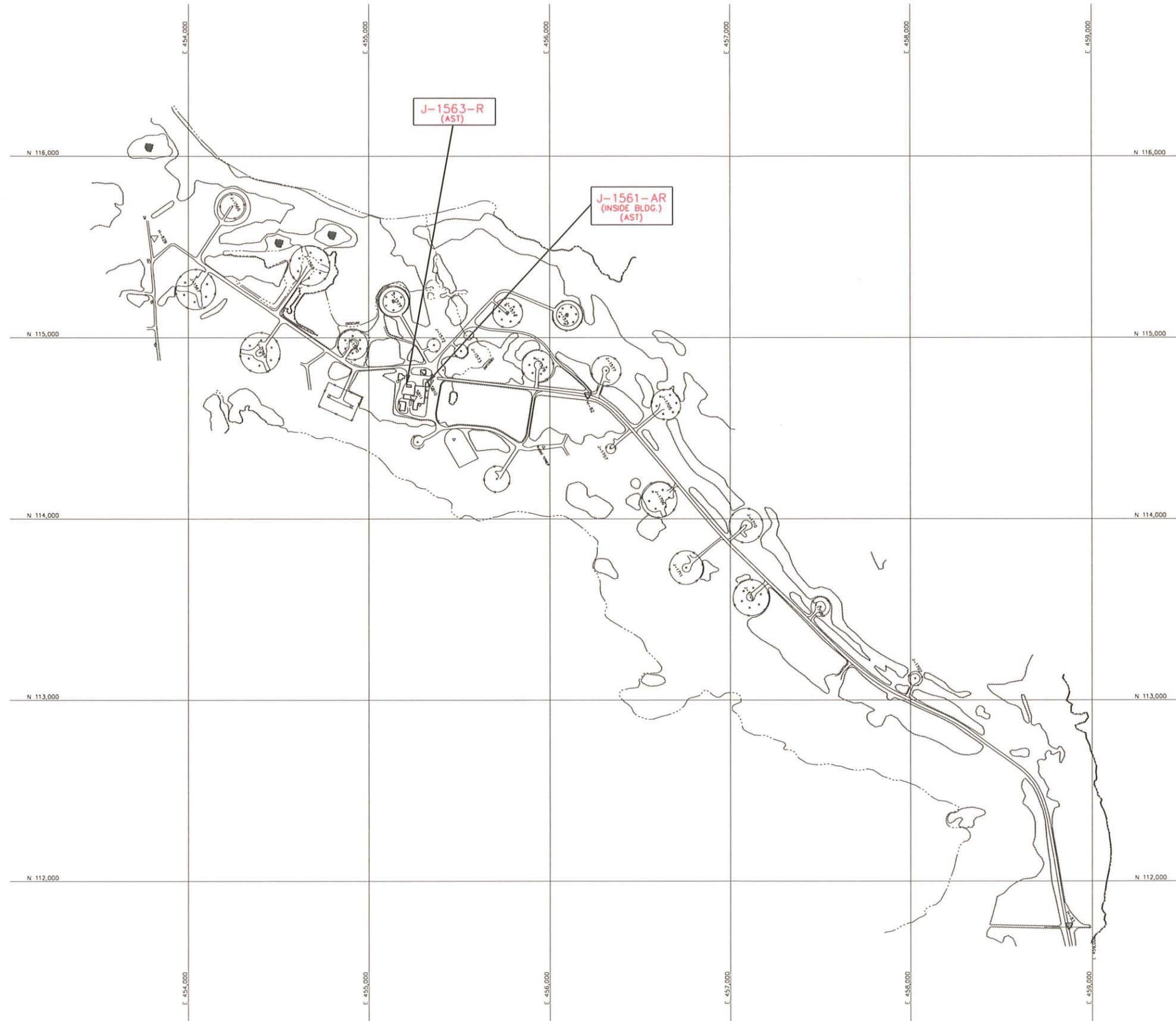
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**SADDLEBUNCH KEY**

---

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

**FIGURE 6-136**

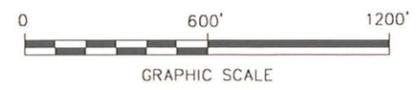


TOPOGRAPHIC MAP SYMBOLS

- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER
- |                         |                          |
|-------------------------|--------------------------|
| J1561<br>(REMOVED, UST) | TANK NAME<br>TANK STATUS |
| UST                     | UNDERGROUND STORAGE TANK |
| AST                     | ABOVEGROUND STORAGE TANK |

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:  
GENERAL DEVELOPMENT MAP OF THE EXISTING  
CONDITIONS FOR NAVAL COMMUNICATIONS UNIT,  
NAS KEY WEST, FL. BY SOUTHERN RESOURCE  
MAPPING CORPORATION, HOLLY HILL, FL. DATE  
OF PHOTOGRAPHY: NOVEMBER 3, 1994.



NAVAL AIR STATION  
KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

---

**SADDLEBUNCH KEY  
(EXISTING TANKS)**

---

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

**FIGURE  
6-137**



TOPOGRAPHIC MAP SYMBOLS

- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER

- |                                |                          |
|--------------------------------|--------------------------|
| <b>J1561</b><br>(REMOVED, UST) | TANK NAME<br>TANK STATUS |
| UST                            | UNDERGROUND STORAGE TANK |
| AST                            | ABOVEGROUND STORAGE TANK |

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

REFERENCE:  
GENERAL DEVELOPMENT MAP OF THE EXISTING  
CONDITIONS FOR NAVAL COMMUNICATIONS UNIT,  
NAS KEY WEST, FL. BY SOUTHERN RESOURCE  
MAPPING CORPORATION, HOLLY HILL, FL. DATE  
OF PHOTOGRAPHY: NOVEMBER 3, 1994.



NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**

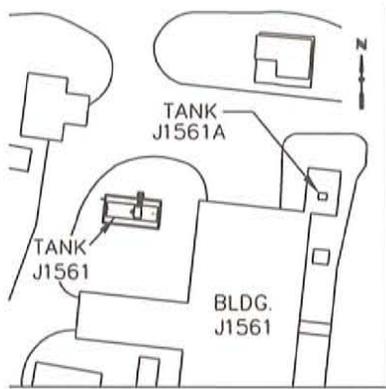
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**SADDLEBUNCH KEY  
(CLOSED TANKS)**

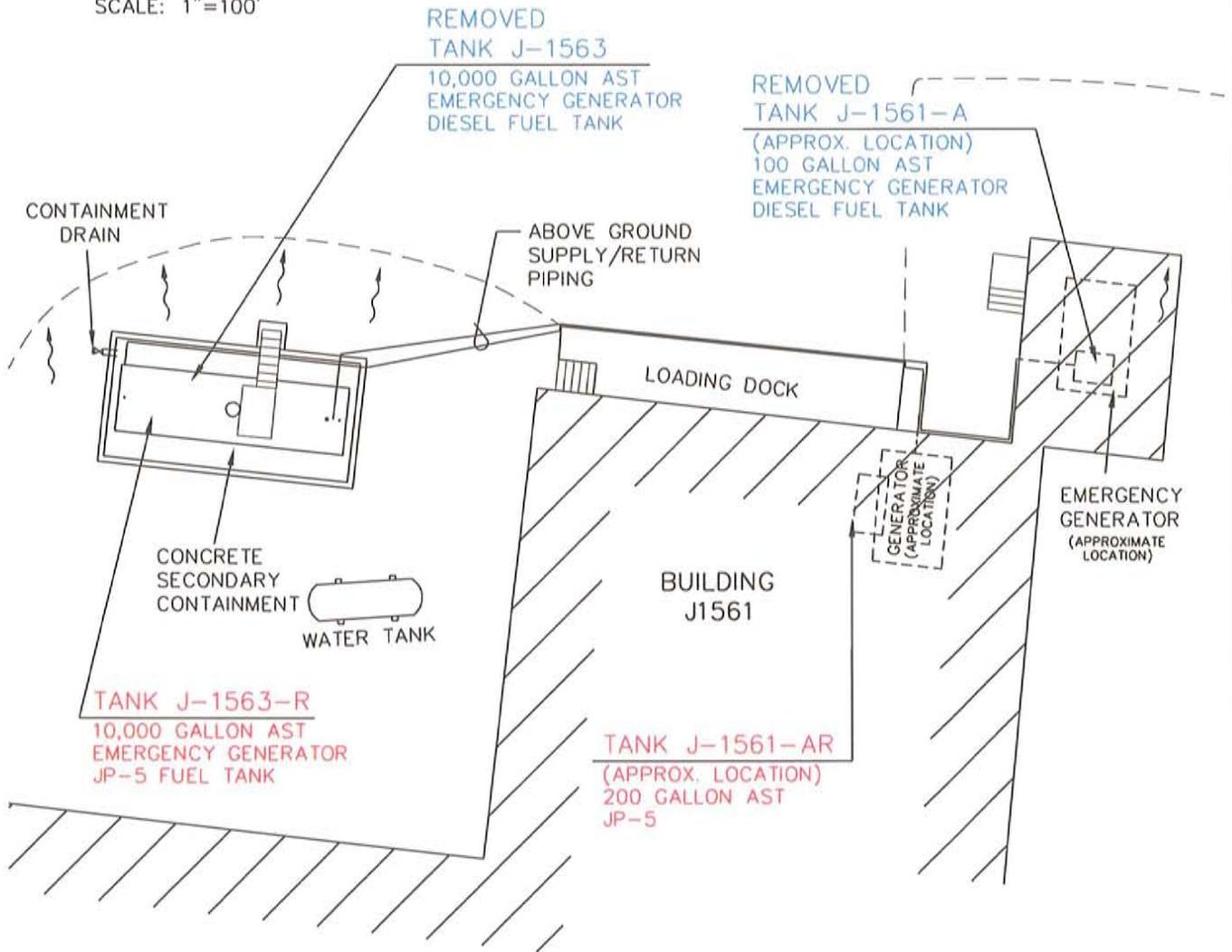
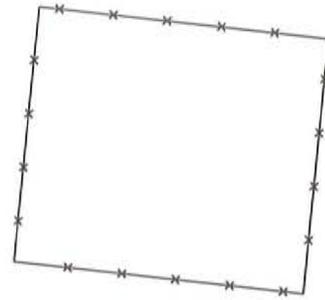
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**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

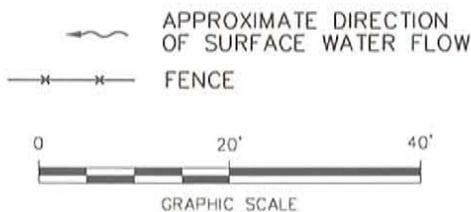
FIGURE  
**6-138**



VICINITY MAP  
SCALE: 1"=100'



**LEGEND**



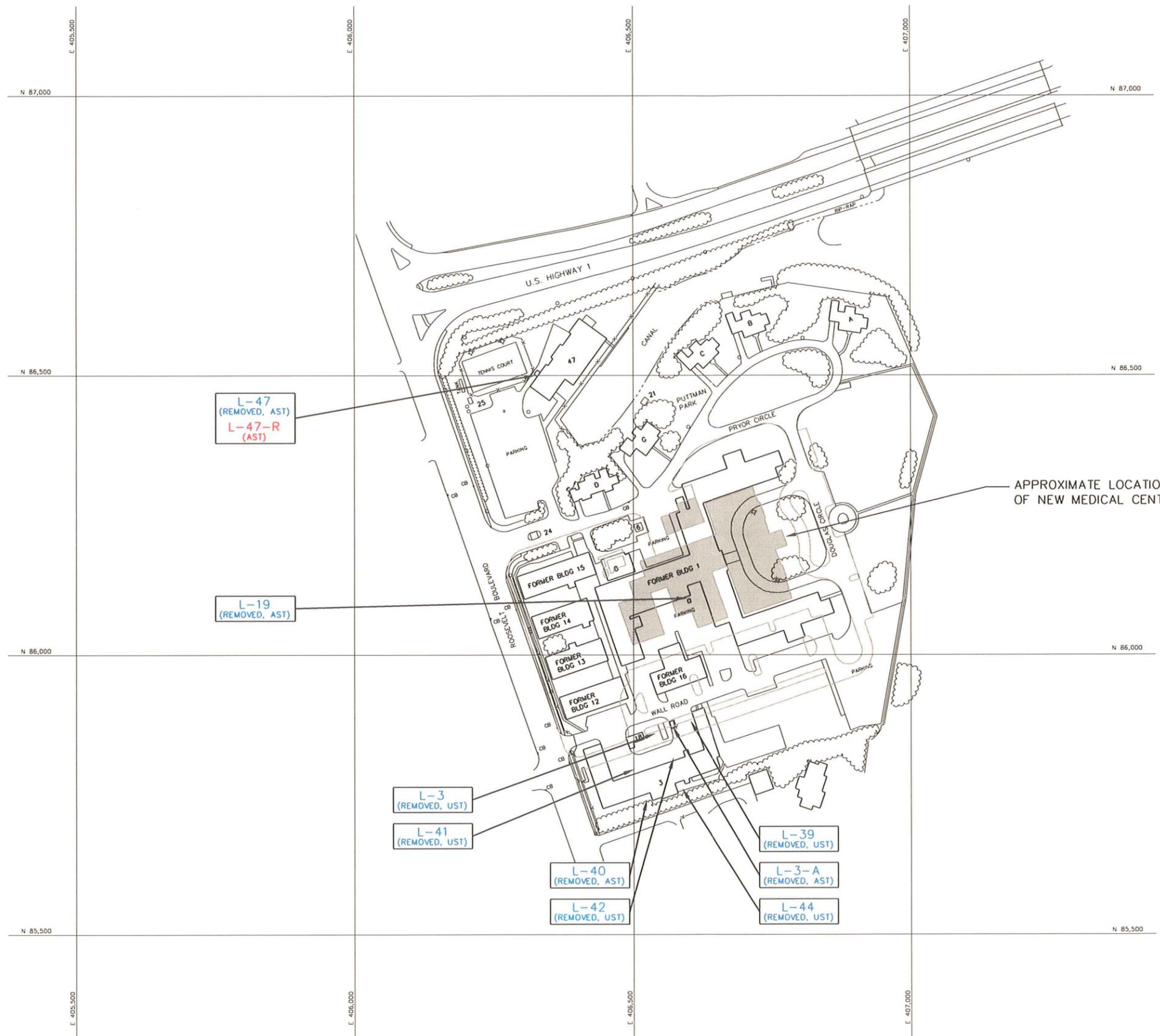
NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**  
**SITE MAP OF TANKS J-1563-R,  
J-1561-AR & FORMER TANKS  
J-1563, J-1561-A-SADDLEBRANCH KEY**

X: OR L:  
P: NAVY-AP\_PC2  
2/21/01 TAM-54-JAR  
B80\88022\SADL\88022581.DWG

SOURCE: Base map (Sitemap\J1561.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.  
Date October 1996, drawn at full scale.

## 6.9 Navy Branch Medical Clinic

The Navy Branch Medical Clinic is located just south of the intersection of U.S. 1 and Roosevelt Boulevard. In 2000, the Navy finalized construction on the new medical center, which provides medical services for active and retired military personnel. **Figures 6-140 through 6-142** show the general locations of existing and former tanks.



TOPOGRAPHIC MAP SYMBOLS

- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER

**L19** TANK NAME  
(REMOVED, UST) TANK STATUS

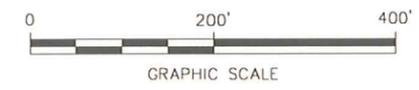
- UST UNDERGROUND STORAGE TANK
- AST ABOVEGROUND STORAGE TANK

NEW MEDICAL CLINIC

- A-111-R RED** = EXISTING, IN SERVICE
- A-111-R BLUE** = CLOSED, REMOVED
- A-111-R GREEN** = OUT OF SERVICE
- A-111-R PURPLE** = CLOSED IN PLACE

SITE MAP SHOWS FORMER LAYOUT OF BUILDINGS PRIOR TO CONSTRUCTION OF NEW MEDICAL CENTER.

REFERENCE:  
GENERAL DEVELOPMENT MAP OF THE EXISTING CONDITIONS FOR NAVAL REGIONAL MEDICAL CLINIC NAS KEY WEST, FL. BY SOUTHERN RESOURCE MAPPING CORPORATION, HOLLY HILL, FL. DATE OF PHOTOGRAPHY: NOVEMBER 3, 1994.



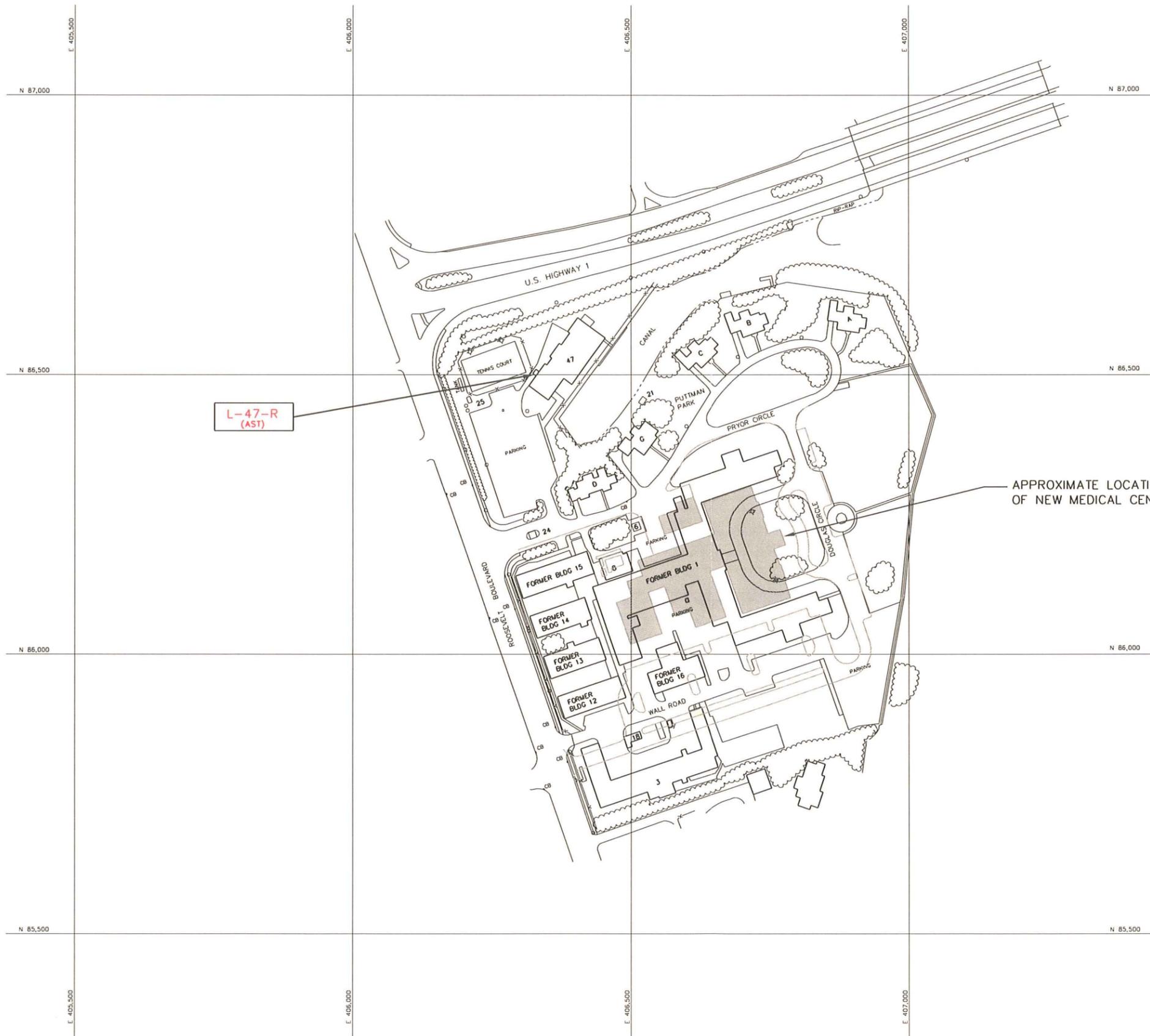
NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**

---

**NAVY BRANCH  
MEDICAL CLINIC**

---

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists **FIGURE 6-140**



TOPOGRAPHIC MAP SYMBOLS

- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER

|                       |                          |
|-----------------------|--------------------------|
| L19<br>(REMOVED, UST) | TANK NAME<br>TANK STATUS |
|-----------------------|--------------------------|

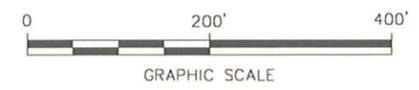
- UST UNDERGROUND STORAGE TANK
- AST ABOVEGROUND STORAGE TANK

NEW MEDICAL CLINIC

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

SITE MAP SHOWS FORMER LAYOUT OF BUILDINGS PRIOR TO CONSTRUCTION OF NEW MEDICAL CENTER.

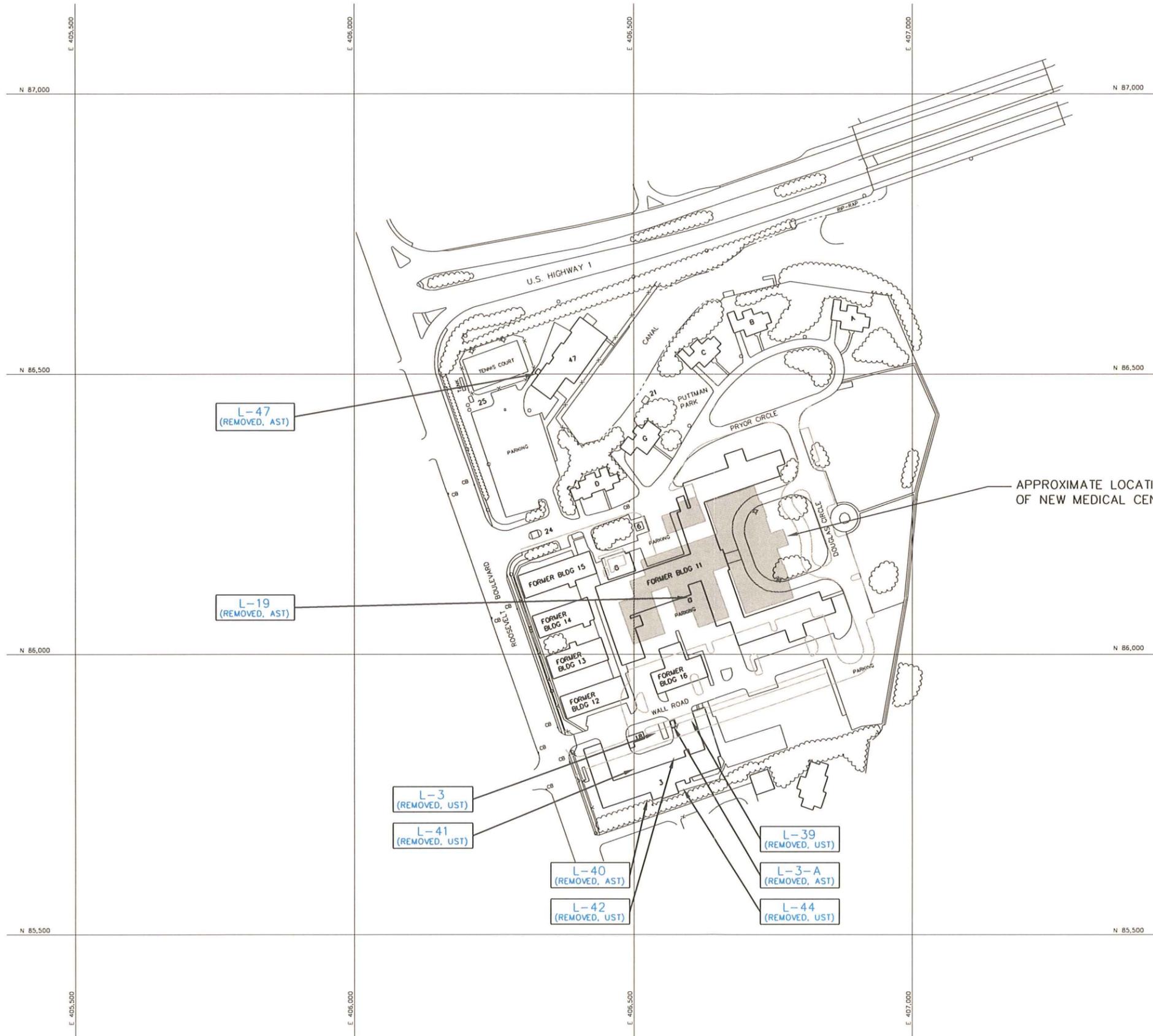
**REFERENCE:**  
GENERAL DEVELOPMENT MAP OF THE EXISTING CONDITIONS FOR NAVAL REGIONAL MEDICAL CLINIC NAS KEY WEST, FL. BY SOUTHERN RESOURCE MAPPING CORPORATION, HOLLY HILL, FL. DATE OF PHOTOGRAPHY: NOVEMBER 3, 1994.



NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN  
NAVY BRANCH MEDICAL CLINIC  
(EXISTING TANKS)

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-141**



TOPOGRAPHIC MAP SYMBOLS

- HORIZONTAL CONTROL POINT
- SHORE OR DRAINAGE LINE
- BUILDING
- ROAD, DRIVE (PAVED)
- ROAD, DRIVE (UNPAVED)
- FENCE
- WETLAND AREA
- TREE CLUSTER

L19  
(REMOVED, UST) TANK NAME  
TANK STATUS

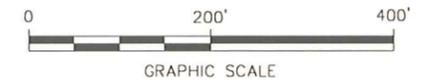
UST UNDERGROUND STORAGE TANK  
AST ABOVEGROUND STORAGE TANK

NEW MEDICAL CLINIC

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

SITE MAP SHOWS FORMER LAYOUT OF BUILDINGS PRIOR TO CONSTRUCTION OF NEW MEDICAL CENTER.

REFERENCE:  
GENERAL DEVELOPMENT MAP OF THE EXISTING CONDITIONS FOR NAVAL REGIONAL MEDICAL CLINIC NAS KEY WEST, FL. BY SOUTHERN RESOURCE MAPPING CORPORATION, HOLLY HILL, FL. DATE OF PHOTOGRAPHY: NOVEMBER 3, 1994.



NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN

NAVY BRANCH MEDICAL CLINIC  
(CLOSED TANKS)

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists **FIGURE 6-142**

## 6.9.1 Site L-3 – Navy Branch Medical Clinic – Building L-3

### 6.9.1.1 Closed Tanks – L-3-A, L-3

#### Tank L-3-A

Tank L-3-A was a 3,000-gallon AST located north of former Building L-3 on Wall Road of the Naval Branch Medical Clinic (**Figure 6-143**). Former Tank L-3-A was located within a 3' deep valved concrete secondary containment area and provided diesel fuel for the facility's emergency generators. The tank was closed by removal on April 3, 1998 (PWC, 1998). No environmental concerns remain for this site.

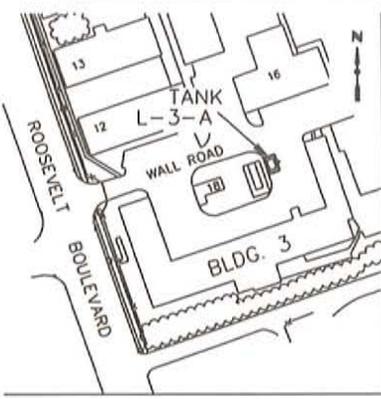
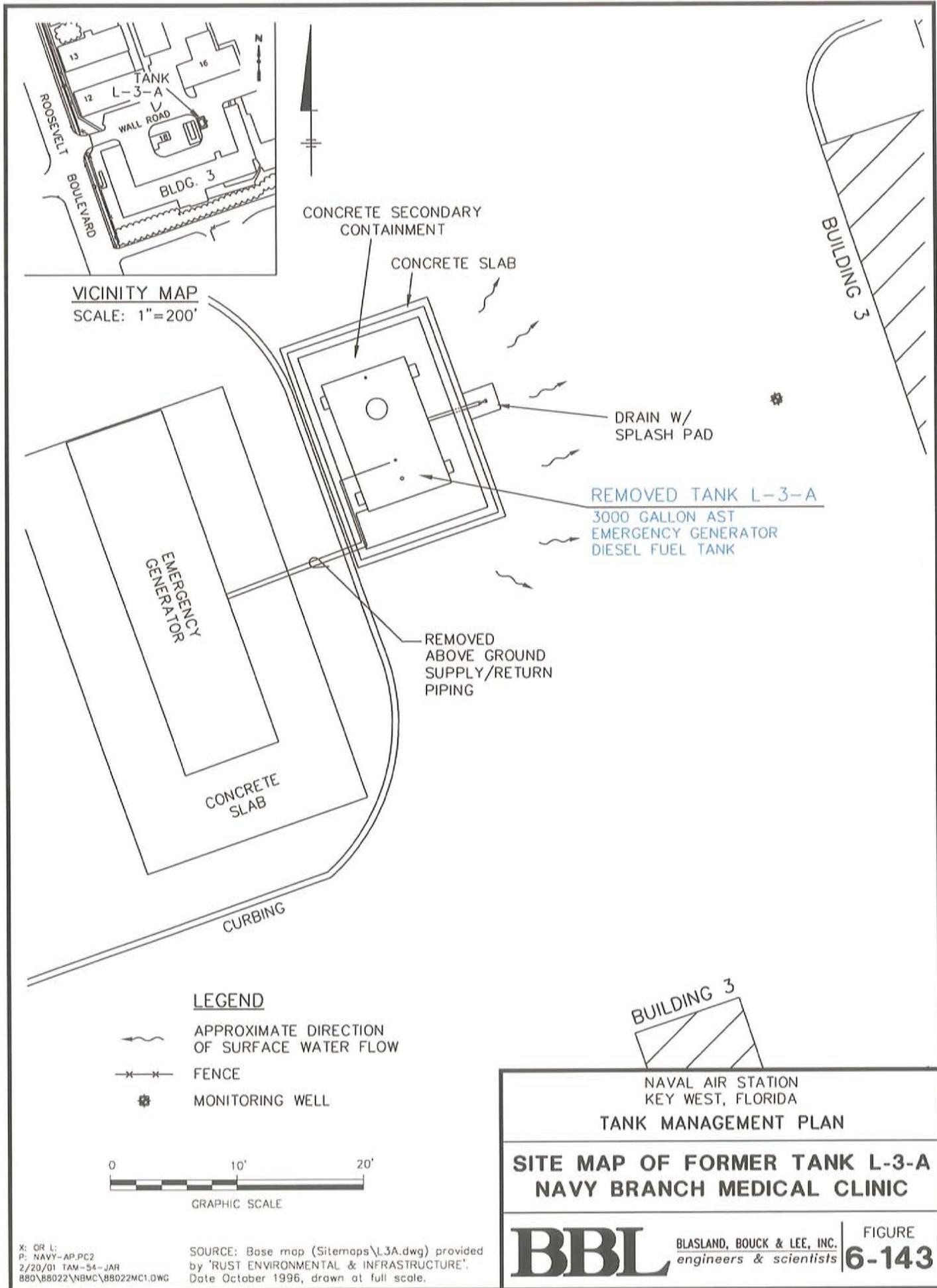
#### Tank L-3

Tank L-3 was a 3,000-gallon UST located north of Building L-3 on Wall Road of the Naval Branch Medical Clinic (**Figure 6-144**). The NRMC is bounded to the east by the Atlantic Ocean. Former Tank L-3 provided fuel oil to the facility. The tank was closed by removal on August 18, 1995 (OES, 1995). HRS issued a No Further Remediation (NFR) order on October 8, 1996.

### 6.9.1.2 Regulatory Compliance Requirements

#### Closed Tanks L-3-A, L-3

None.



VICINITY MAP  
SCALE: 1"=200'

CONCRETE SECONDARY CONTAINMENT

CONCRETE SLAB

DRAIN W/  
SPLASH PAD

REMOVED TANK L-3-A  
3000 GALLON AST  
EMERGENCY GENERATOR  
DIESEL FUEL TANK

REMOVED  
ABOVE GROUND  
SUPPLY/RETURN  
PIPING

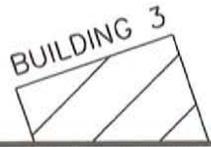
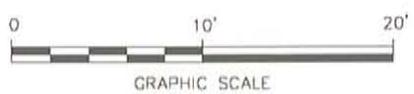
EMERGENCY  
GENERATOR

CONCRETE  
SLAB

CURBING

**LEGEND**

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE
- MONITORING WELL



NAVAL AIR STATION  
KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

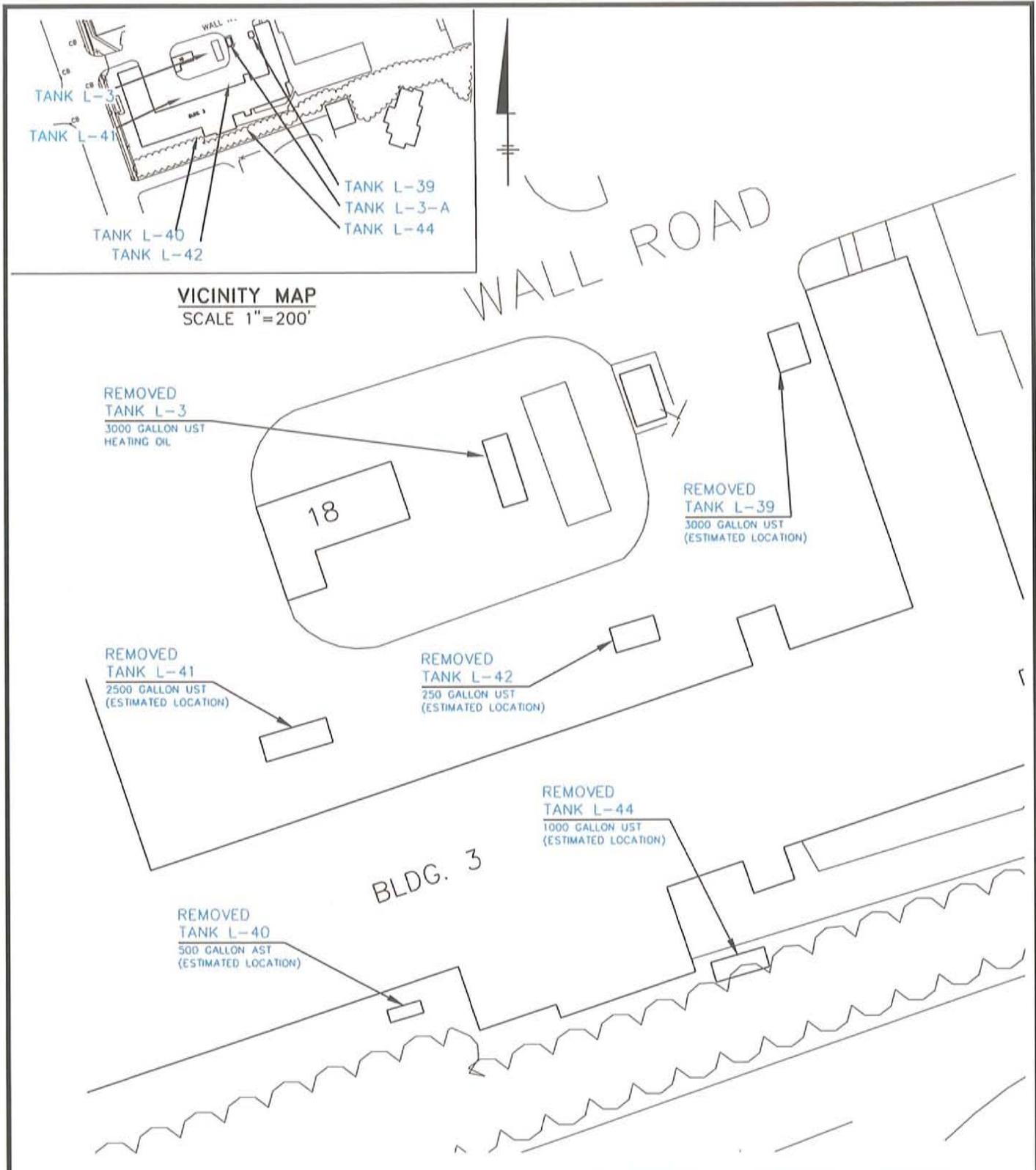
**SITE MAP OF FORMER TANK L-3-A  
NAVY BRANCH MEDICAL CLINIC**

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-143**

X: OR L:  
P: NAVY-AP.PC2  
2/20/01 TAM-54-JAR  
880\88022\NBMC\88022MC1.DWG

SOURCE: Base map (Sitemaps\L3A.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.  
Date October 1996, drawn at full scale.



VICINITY MAP  
SCALE 1"=200'

REMOVED  
TANK L-3  
3000 GALLON UST  
HEATING OIL

REMOVED  
TANK L-39  
3000 GALLON UST  
(ESTIMATED LOCATION)

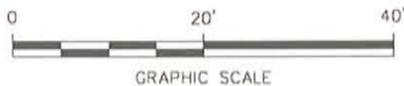
REMOVED  
TANK L-41  
2500 GALLON UST  
(ESTIMATED LOCATION)

REMOVED  
TANK L-42  
250 GALLON UST  
(ESTIMATED LOCATION)

REMOVED  
TANK L-44  
1000 GALLON UST  
(ESTIMATED LOCATION)

REMOVED  
TANK L-40  
500 GALLON AST  
(ESTIMATED LOCATION)

NOTE: EXACT LOCATION OF  
TANK UNKNOWN.



SOURCE: Base map (37147N08.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'. Date October 1996, drawn at full scale. Field check by BBL. Closure Report, Omega Environmental Services, Inc., Sept 1995 & Closure Report, PWC, July 1998.

NAVAL AIR STATION  
KEY WEST, FLORIDA

TANK MANAGEMENT PLAN

SITE MAP OF FORMER TANKS  
L-3, L-39, L-40, L-41, L-42 & L-44  
NAVY BRANCH MEDICAL CLINIC

**BBL**

BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-144**

## 6.9.2 Site L-19 – Navy Branch Medical Clinic – Building L-1

### 6.9.2.1 Closed Tank – L-19

#### Tank L-19

Former Building L-1 was the main medical complex at the Naval Branch Medical Clinic. Former Tank L-19 was on the south side of Building L-1 near the rear parking area (**Figure 6-145**). The tank was a 350-gallon AST containing diesel fuel used in the operation of an emergency generator found in a small building behind Building L-1. No secondary containment existed for the tank. The tank was closed by removal on August 1, 1996 (PWC, 1997). Closure was based on visual assessment only. No samples were collected.

### 6.9.2.2 Regulatory Compliance Requirements

#### Closed Tank L-19

None.

### 6.9.3 Site L-39 – Navy Branch Medical Clinic

#### 6.9.3.1 Closed Tanks – L-39, L-40, L-41, L-42, L-44

##### Tank L-39

Former Tank L-39 was located on the north side of Building L-3 near Wall Road (**Figure 6-145**). The tank was a 1,000-gallon UST. The tank was closed by removal on November 6, 1992. FDEP issued a NFA for the site on August 28, 1998 (PWC, 1998).

##### Tank L-40

Former tank L-40 was located on the south side of Building L-3 (**Figure 6-145**). The tank was a 500-gallon AST used to contain fuel oil. The tank has been closed by removal. No closure assessment was found for this tank.

##### Tank L-41

Former tank L-41 was located on the north side of former Building L-3 near the rear parking area (**Figure 6-145**). The tank was a 2,500-gallon UST. The tank was closed by removal on November 6, 1992. FDEP issued a NFA for the site on August 28, 1998 (PWC, 1998).

##### Tank L-42

Former tank L-42 was located on the south side of Building L-3 (**Figure 6-145**). The tank was a 250-gallon UST used to store unleaded gasoline. The tank was closed by removal on August 17, 1995 (OES, 1995). HRS issued a NFR order for the site on October 8, 1996.

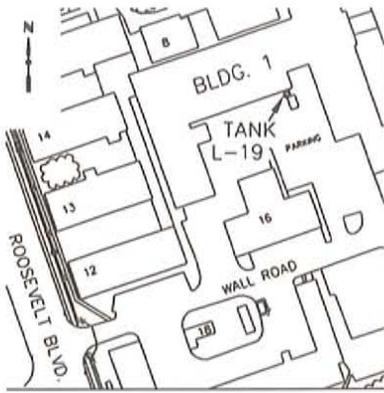
##### Tank L-44

Former tank L-44 was located on the south side of former Building L-3 (**Figure 6-145**). The tank was a 1,000-gallon UST used to store fuel oil. The tank was closed by removal on August 18, 1995 (OES, 1995). HRS issued a NFR order for the site on October 8, 1996.

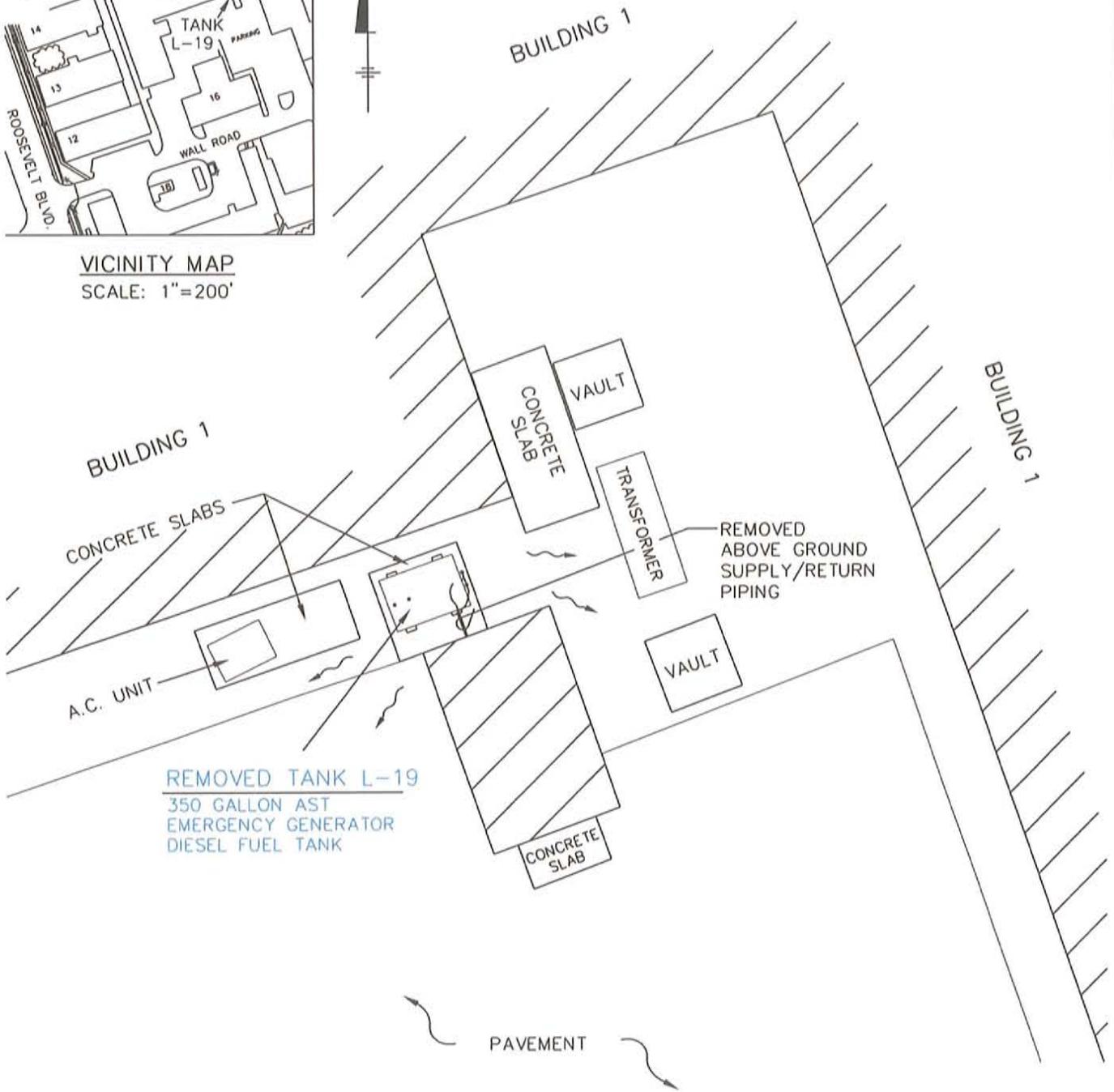
#### 6.9.3.2 Regulatory Compliance Requirements

##### Closed Tanks L-39, L-40, L-41, L-42, L-44

None.



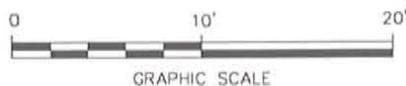
VICINITY MAP  
SCALE: 1"=200'



REMOVED TANK L-19  
350 GALLON AST  
EMERGENCY GENERATOR  
DIESEL FUEL TANK

**LEGEND**

APPROXIMATE DIRECTION OF SURFACE WATER FLOW



GRAPHIC SCALE

NAVAL AIR STATION  
KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**  
**SITE MAP OF FORMER TANK L-19**  
**NAVY BRANCH MEDICAL CLINIC**



BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-145**

## 6.9.4 Site L-47 – Navy Branch Medical Clinic – Building 47

### 6.9.4.1 Existing Tank – L-47-R

Tank L-47-R is found on the northwest side of Building L-44 at the Navy Branch Medical Clinic. Building L-47 is abutted by a saltwater canal leading to the Atlantic Ocean (**Figure 6-146**). Tank L-47-R is a 250-gallon diesel fuel (JP-5) tank used to provide fuel for the Clinic's hot water heaters. Tank L-47-R is a newly installed vaulted tank with secondary containment.

#### Tank L-47-R

| Tank ID L-47-R       |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Year of Installation | 1999                                                                                      |
| Size                 | 250-gallons                                                                               |
| Contents             | JP-5                                                                                      |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                     |
| Regulated - Florida  | Unregulated                                                                               |
| Status               | In-Service                                                                                |
| Tank Construction    | Vaulted<br>Double-walled<br>Spill containment bucket                                      |
| Piping               | Aboveground<br>Suction piping system                                                      |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems |

### 6.9.4.2 Closed Tank – L-47

Former tank L-47 was located at the northwest side of Building L-44 at the Navy Branch Medical Clinic (**Figure 6-146**). Tank L-47 was a 300-gallon diesel fuel tank used to provide fuel for the Clinic's hot water heaters. Tank L-47 had no secondary containment. The tank has been closed by removal. No closure assessment was found for this tank and none was required.

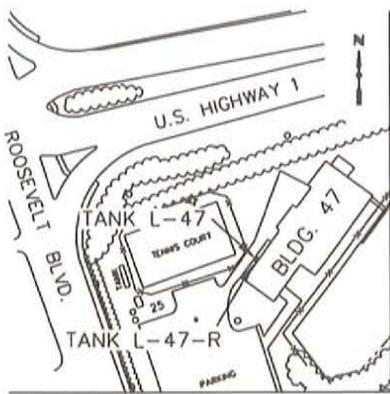
### 6.9.4.3 Regulatory Compliance Requirements

#### Tank L-47-R

Replace lock on ports.

#### Closed Tank L-47

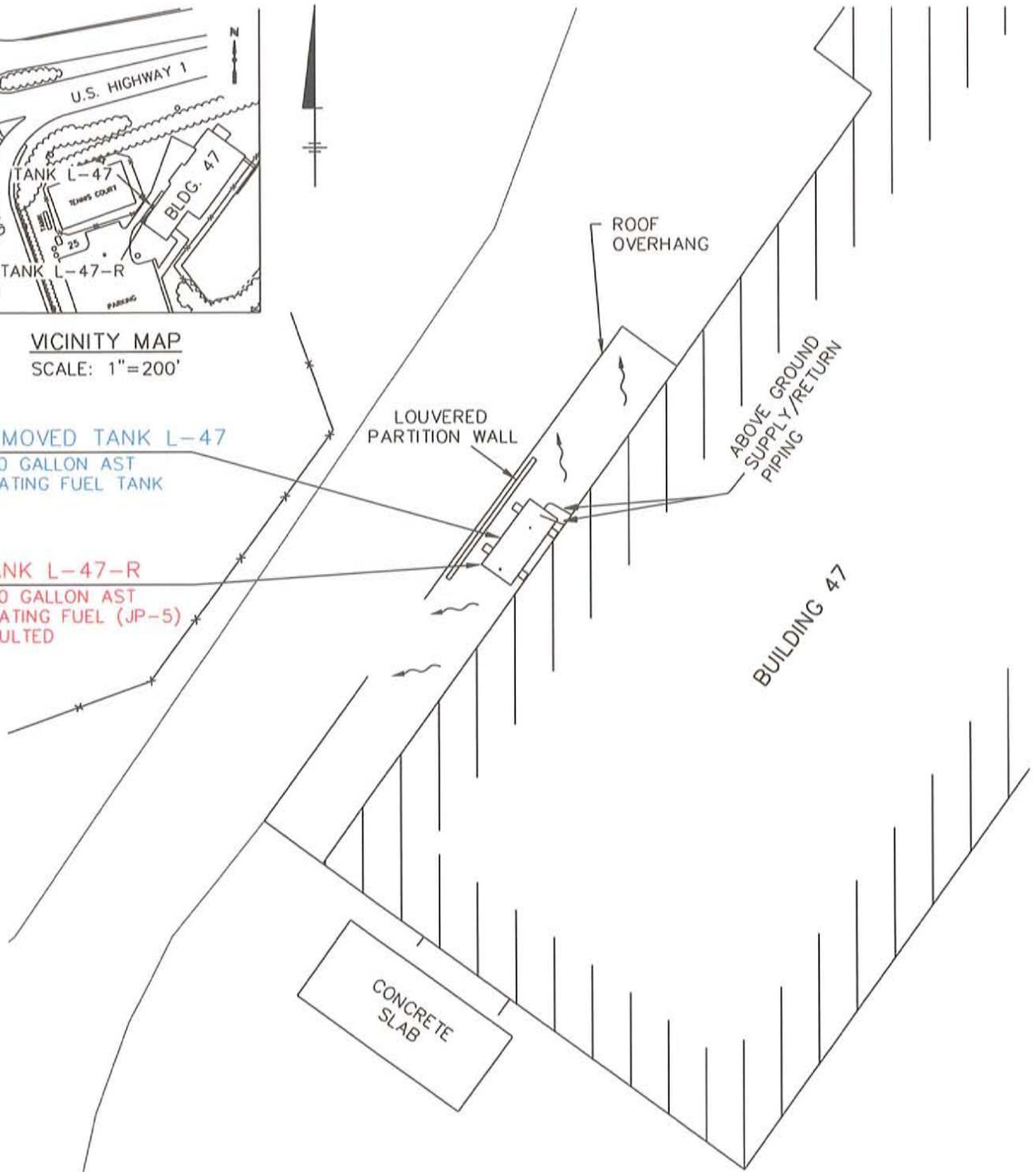
None.



VICINITY MAP  
SCALE: 1"=200'

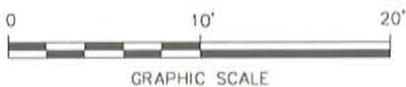
REMOVED TANK L-47  
300 GALLON AST  
HEATING FUEL TANK

TANK L-47-R  
250 GALLON AST  
HEATING FUEL (JP-5)  
VAULTED



**LEGEND**

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- FENCE



NAVAL AIR STATION  
KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

**SITE MAP OF TANK L-47-R  
AND FORMER TANK L-47  
NAVY BRANCH MEDICAL CLINIC**

X: OR L:  
P: ST0-PC2\AP  
1/8/01 TAM-54-JAR  
880\88022\NMB\88022MC3.DWG

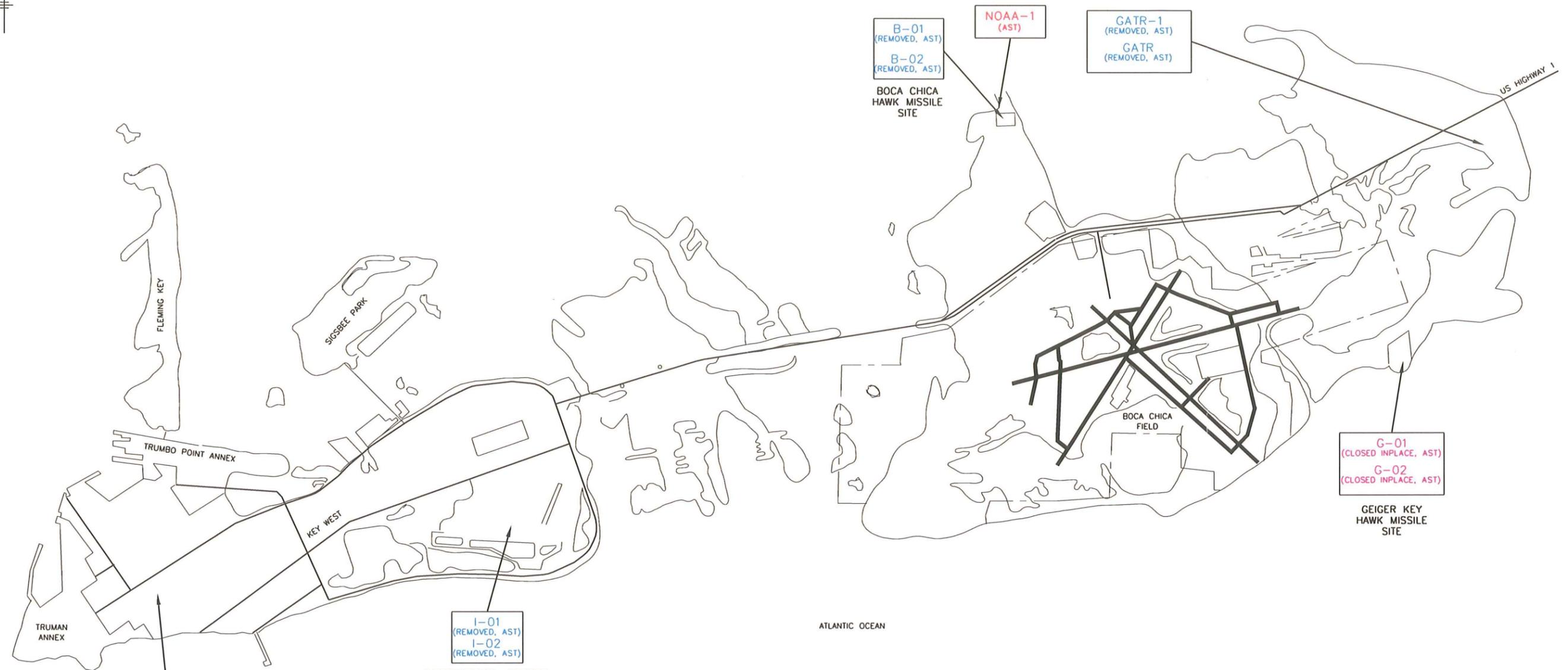
SOURCE: Base map (Sitemap\L47.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.  
Date October 1996, drawn at full scale.

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-146**

## 6.10 Former Hawk Missile Sites

Former Hawk Missile site tank locations are shown on **Figures 6-147** through **6-149**. The former Hawk Missile sites had similar layouts. **Figures 6-150** and **6-151** show typical site layouts.



G-1  
(REMOVED, AST)

FORMER  
TRUMAN ANNEX  
COMMISSARY

I-01  
(REMOVED, AST)  
I-02  
(REMOVED, AST)

INTERNATIONAL AIRPORT  
HAMACA HAWK MISSILE  
SITE

B-01  
(REMOVED, AST)  
B-02  
(REMOVED, AST)

BOCA CHICA  
HAWK MISSILE  
SITE

NOAA-1  
(AST)

GATR-1  
(REMOVED, AST)  
GATR  
(REMOVED, AST)

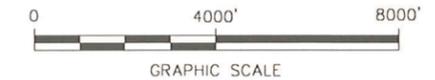
G-01  
(CLOSED INPLACE, AST)  
G-02  
(CLOSED INPLACE, AST)

GEIGER KEY  
HAWK MISSILE  
SITE

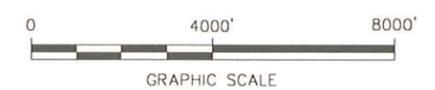
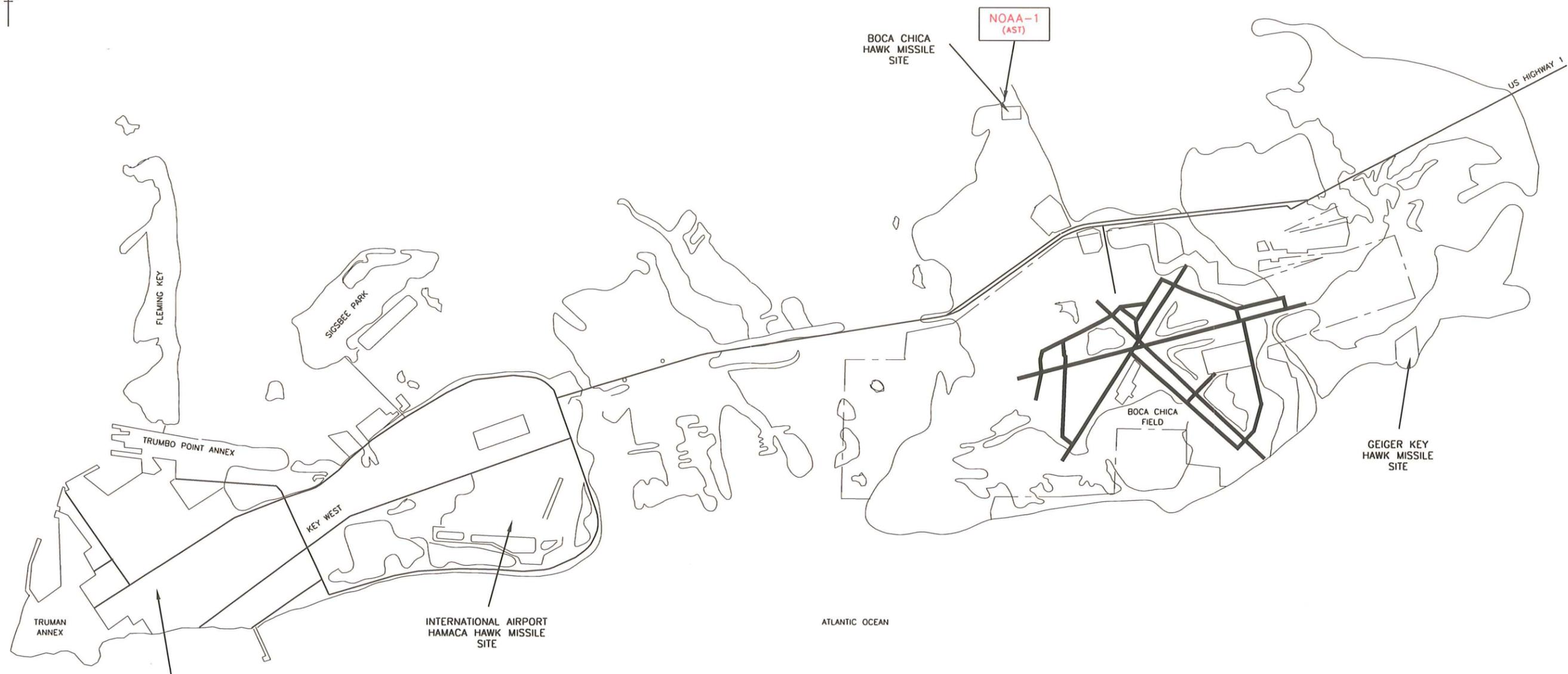
|                        |                          |
|------------------------|--------------------------|
| GATR<br>(REMOVED, AST) | TANK NAME<br>TANK STATUS |
|------------------------|--------------------------|

AST ABOVEGROUND STORAGE TANK

- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE



|                                                                     |                        |
|---------------------------------------------------------------------|------------------------|
| NAVAL AIR STATION<br>KEY WEST, FLORIDA                              |                        |
| <b>TANK MANAGEMENT PLAN</b>                                         |                        |
| <b>HAWK MISSILE SITES</b>                                           |                        |
| <b>BBL</b><br>BLASLAND, BOUCK & LEE, INC.<br>engineers & scientists | FIGURE<br><b>6-147</b> |



| GATR<br>(REMOVED, AST) | TANK NAME<br>TANK STATUS |
|------------------------|--------------------------|
| AST                    | ABOVEGROUND STORAGE TANK |

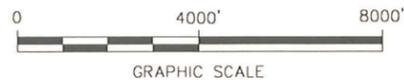
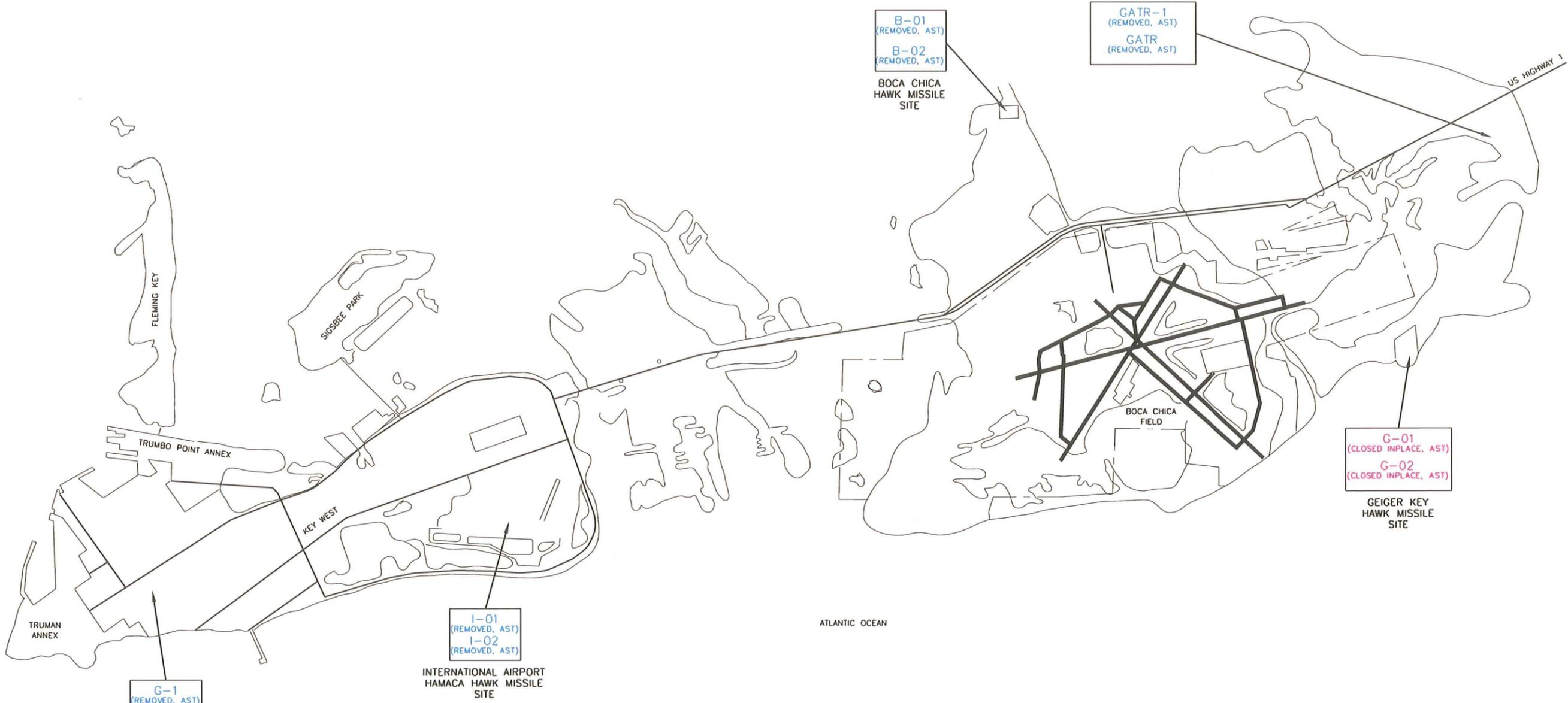
- A-111-R RED = EXISTING, IN SERVICE
- A-111-R BLUE = CLOSED, REMOVED
- A-111-R GREEN = OUT OF SERVICE
- A-111-R PURPLE = CLOSED IN PLACE

NAVAL AIR STATION  
 KEY WEST, FLORIDA  
**TANK MANAGEMENT PLAN**  
**HAWK MISSILE SITES**  
**(EXISTING TANKS)**

---

**BBL** BLASLAND, BOUCK & LEE, INC.  
*engineers & scientists*

FIGURE  
**6-148**



|                               |                          |
|-------------------------------|--------------------------|
| <b>GATR</b><br>(REMOVED, AST) | TANK NAME                |
|                               | TANK STATUS              |
| AST                           | ABOVEGROUND STORAGE TANK |
| A-111-R RED                   | = EXISTING, IN SERVICE   |
| A-111-R BLUE                  | = CLOSED, REMOVED        |
| A-111-R GREEN                 | = OUT OF SERVICE         |
| A-111-R PURPLE                | = CLOSED IN PLACE        |

NAVAL AIR STATION  
KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

**HAWK MISSILE SITES  
(CLOSED TANKS)**

**BBL** BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-149**

### 6.10.1 Boca Chica Hawk Missile

The Boca Chica Hawk Missile Site is located approximately 5,000-feet north of US Highway 1. The site is bordered to the north, east, and west by the Gulf of Mexico. No activities are currently conducted at this site.

#### 6.10.1.1 Existing Tank – NOAA-1

One AST is located on-site which contains JP-5 to power an emergency generator. Tank NOAA-1 is a 1,000-gallon vaulted AST equipped with tank level gauges.

##### Tank NOAA-1

| Tank ID NOAA-1       |                                                                                                    |
|----------------------|----------------------------------------------------------------------------------------------------|
| Year of Installation | 5/1/96                                                                                             |
| Size                 | 1,000-gallons                                                                                      |
| Contents             | JP-5                                                                                               |
| Regulated - Federal  | Regulated; 40 CFR 112                                                                              |
| Regulated - Florida  | Regulated; FAC 62-762                                                                              |
| Status               | In-Service                                                                                         |
| Tank Construction    | Vaulted<br>Double-walled<br>Overfill protection – level gauges, alarm                              |
| Piping               | Aboveground,<br>Suction piping system                                                              |
| Leak Detection       | Interstitial space of double-walled tank<br>SPCC Plan<br>Visual inspection of AST systems<br>Alarm |

#### 6.10.1.2 Closed Tanks – B-01, B-02

The tanks were closed by removal on April 14, 1996. A contamination assessment was recommended for the B-01 site, but not performed.

### 6.10.1.3 Regulatory Compliance Requirements

#### Tank NOAA-1

Install anti-siphon valve on all aboveground piping routed outside secondary containment.

#### Closed Tank B-01

A contamination assessment should be performed at this site in accordance with the Closure Report recommendation.

#### Closed Tank B-02

None.

## 6.10.2 Geiger Key Hawk Missile Site

### 6.10.2.1 Closed Tanks – G-01, G-02

The Geiger Key Hawk Missile Site is located approximately 4,000-feet southeast of the northeast end of Runway 7-25 on Boca Chica Road. The site is bordered on the south and east by the Atlantic Ocean and on the north by Boca Chica Road and a saltwater flat. No activities are currently conducted at this site. Two ASTs that formerly contained diesel fuel remain on site, but were closed in-place.

#### Tank G-01

Tank G-01 is a 2,000-gallon tank that is located on the south side of the site's Generator Building. The tank has been closed by removing a section of the tank's bottom and cleaning of the tank. Diesel fuel for generator consumption was stored in this tank during its operation. Tank G-01 has a 2'-9" deep concrete secondary containment. Tank G-01 was closed-in-place on April 27, 1996. A contamination assessment was recommended for this site, but not performed.

#### Tank G-02

Tank G-02 is a 500-gallon AST found on the east side of the Ready Building. This tank has been closed by removing a section of the tank's bottom and cleaning of the tank. Diesel fuel was formerly stored in this tank for use in a generator. A 3' deep secondary containment is present at this site. Tank G-02 was closed-in-place on April 27, 1996.

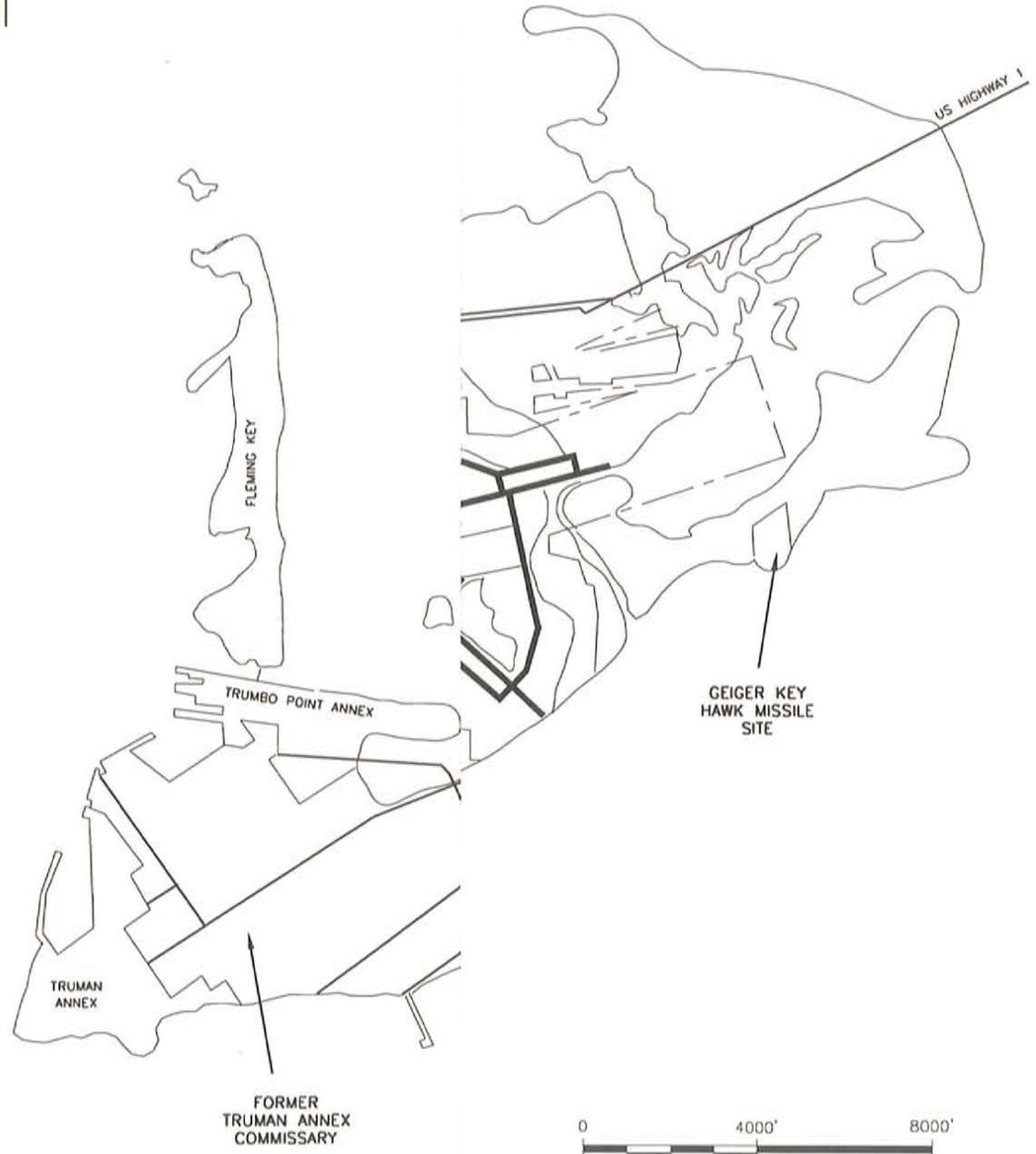
### 6.10.2.2 Regulatory Compliance Requirements

#### Closed Tank G-01

Perform a contamination assessment in accordance with Closure Report recommendation.

#### Closed Tank G-02

None.



|                                        |                                                       |
|----------------------------------------|-------------------------------------------------------|
| NAVAL AIR STATION<br>KEY WEST, FLORIDA |                                                       |
| TANK MANAGEMENT PLAN                   |                                                       |
| HAWK MISSILE SITES<br>(EXISTING TANKS) |                                                       |
| <b>BBL</b>                             | BLASLAND, BOUCK & LEE, INC.<br>engineers & scientists |
| FIGURE<br><b>6-148</b>                 |                                                       |

### **6.10.3 Big Coppit Key**

#### **6.10.3.1 Closed Tanks – GATR-1, GATR**

Site GATR is located on Big Coppit Key, approximately 9,000-feet northeast of Runway 7-25. No activities are currently conducted at this site. Two ASTs which formerly contained JP-5 for an emergency generator were removed by closure on August 16, 1996.

##### Tank GATR-1

Former tank GATR-1 was a 4,000-gallon AST. During operation JP-5 was stored in this tank for transfer to generator feed to former tank GATR. The tank was closed on August 16, 1996. No environmental concerns were identified.

##### Tank GATR

Former tank GATR was a 50-gallon AST. JP-5 was formerly stored in this tank for use in a generator. The tank was closed on August 16, 1996. No environmental concerns were identified.

#### **6.10.3.2 Regulatory Compliance Requirements**

##### Closed Tanks GATR-1, GATR

None.

## **6.10.4 Hamaca Park**

### **6.10.4.1 Closed Tanks – I-01, I-02**

The Hamaca Park Site is located on Key West adjacent to the International Airport. The site is an IR property. The two former ASTs, located on-site, contained diesel fuel for an emergency generator. The tanks were closed by removal on April 26, 1996. A Contamination Assessment (CA) and Addendum were performed by BBL in 1997.

#### Tank I-01

Tank I-01 was a 2,000-gallon tank. During operation JP-5 was stored in this tank for a generator.

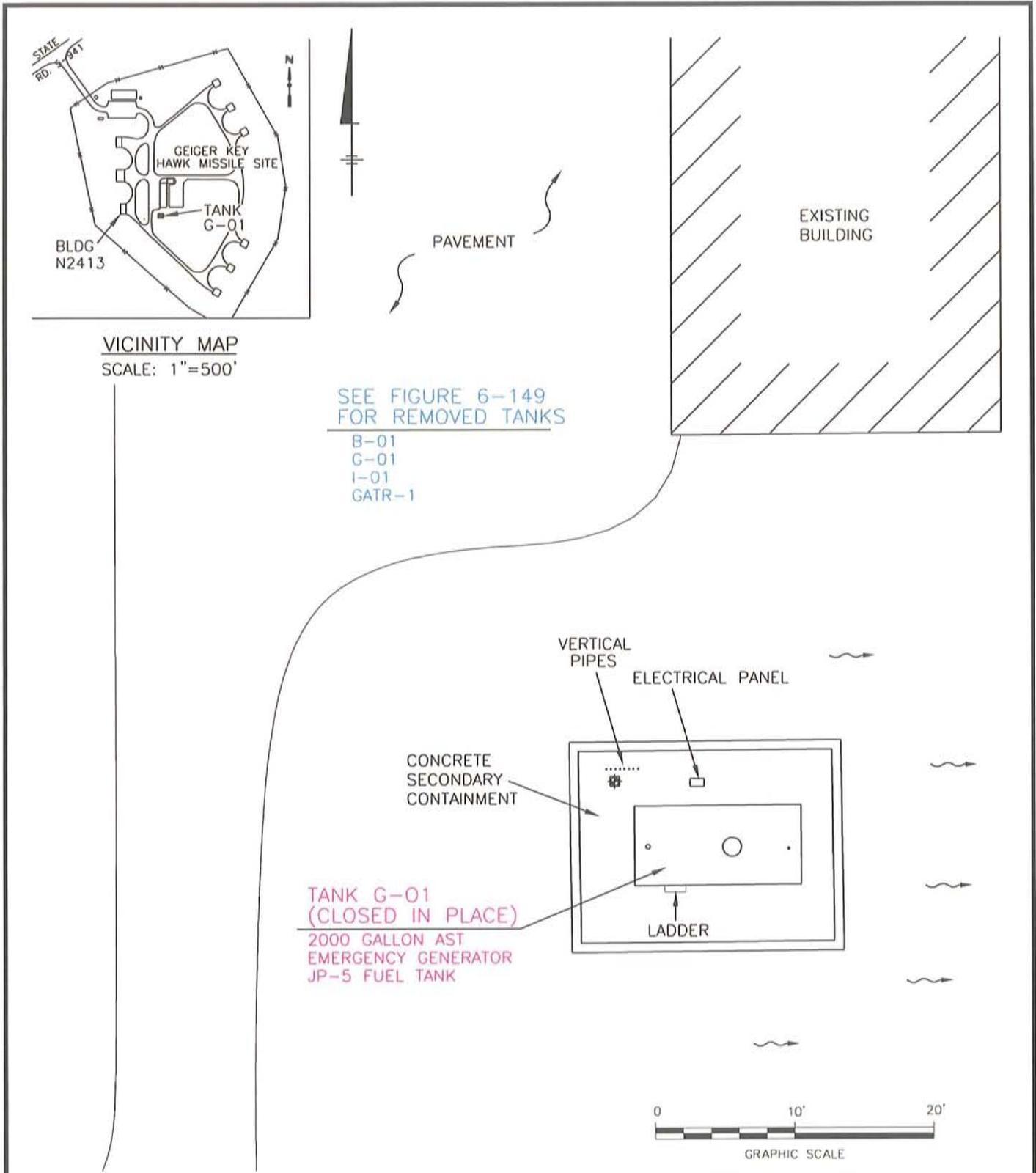
#### Tank I-02

Tank I-02 was a 500-gallon tank. JP-5 was formerly stored in this tank for use in a generator.

### **6.10.4.2 Regulatory Compliance Requirements**

#### Closed Tanks I-01, Tank I-02

Ensure site received NFA from FDEP following submittal of CAR and CAR Addendum (BBL, 1997). Site is an IR site.



**LEGEND**

-  APPROXIMATE DIRECTION OF SURFACE WATER FLOW
-  MONITORING WELL

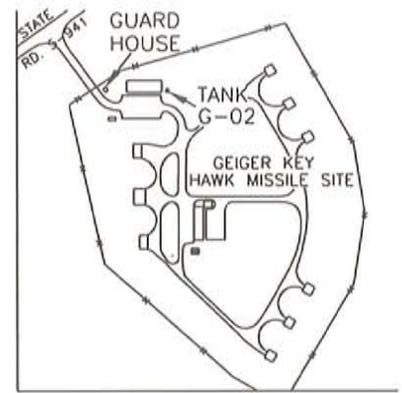
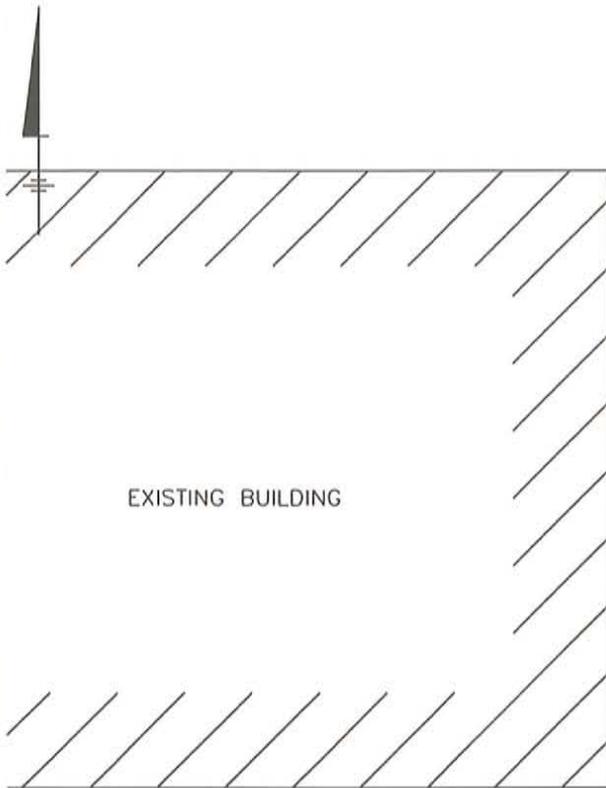
NAVAL AIR STATION  
KEY WEST, FLORIDA

**TANK MANAGEMENT PLAN**

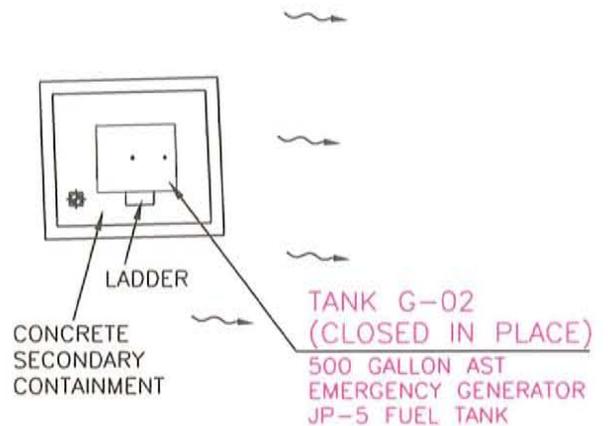
**TYPICAL SITE MAP FOR  
FORMER HAWK MISSILE SITES**

X: OR L:  
P: NAVY-AP.PC2  
2/20/01 TAM-54-JAR  
880\88022\SADL\88022582.DWG

SOURCE: Base map (Sitemap\G-01.dwg) provided by 'RUST ENVIRONMENTAL & INFRASTRUCTURE'.  
Date October 1996, drawn at full scale.

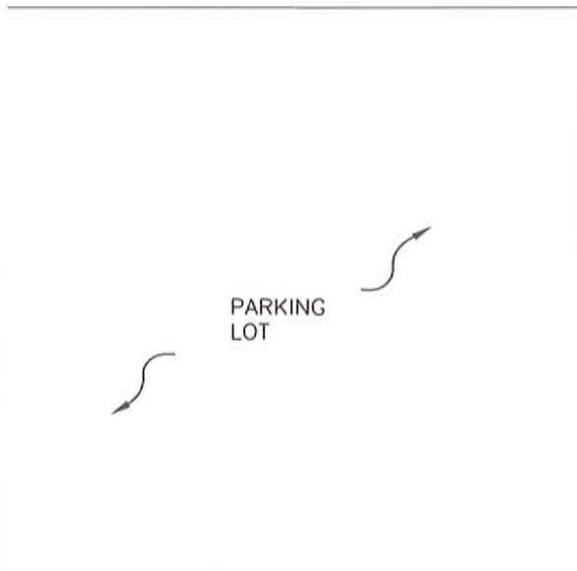


VICINITY MAP  
SCALE: 1"=500'



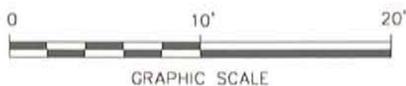
SEE FIGURE 6-149  
FOR REMOVED TANKS

- B-01
- G-01
- I-01
- GATR-1



**LEGEND**

- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- MONITORING WELL



NAVAL AIR STATION  
KEY WEST, FLORIDA  
TANK MANAGEMENT PLAN

**TYPICAL SITE MAP FOR  
FORMER HAWK MISSILE SITES**

**BBL**

BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

FIGURE  
**6-151**