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ENVIRONMENTAL BASELINE SURVEY NATURAL GAS UTILITY SYSTEMS PRIVATIZATION  
NAS PENSACOLA FL  
09/01/2004  
NAVFAC SOUTHERN

**Environmental Baseline Survey  
Natural Gas Utility Systems Privatization  
Naval Air Station Pensacola  
Pensacola, Florida**



**September 2004**

Prepared for:

**Southern Division  
Naval Facilities Engineering Command  
North Charleston, South Carolina**

## LIST OF ACRONYMS AND ABBREVIATIONS

ACM	asbestos-containing material
AST	aboveground storage tank
ASTM	American Society of Testing and Materials
bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	chemical of concern
DDT	dichlorodiphenyltrichloroethane
DEL	direct exposure limits
DoD	Department of Defense
DoN	Department of the Navy
EBS	Environmental Baseline Survey
EBSR	Environmental Baseline Survey Report
ECM	Electrical Commodity Manager
FDEP	Florida Department of Environmental Protection
FNAI	Florida Natural Area Inventory
GCTL	Groundwater Cleanup Target Levels
HAZMART	Hazardous Material Issue/Control Facility
HRS	Hazardous Ranking System
ICRMP	Integrated Cultural Resources Management Plan
INRMP	Integrated Natural Resources Management Plan
IR	Installation Restoration
IWTP	Industrial Wastewater Treatment Plant
LBP	lead-based paint
mgd	million gallons per day
msl	mean sea level
NAAS	Naval Auxiliary Air Station
NADSC	Natural Attenuation Default Source Concentration
NAS	Naval Air Station
NAVFACENGCOM	Naval Facilities Engineering Command
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NFA	No Further Action
NHL	National Historic Landmark

ENVIRONMENTAL BASELINE SURVEY  
NATURAL GAS UTILITY SYSTEMS PRIVATIZATION  
NAVAL AIR STATION, PENSACOLA, FLORIDA

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NOV	Notice of Violation
NPL	National Priority List
NRHP	National Registry of Historic Places
NTTC	Naval Technical Training Center
OVA	organic vapor analyzer
OWS	oil/water separator
PAC	Potential Area of Concern
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
PCE	tetrachloroethylene
ppm	parts per million
PRI	Project Resources Inc.
PVC	polyvinyl chloride
PWC	Public Works Center
RCRA	Resource Conservation and Recovery Act
REC	recognized environmental condition
ROD	Record of Decision
SAR	Site Assessment Report
SOW	Statement of Work
SPCC	Spill Prevention Control and Countermeasure
SWMU	Solid Waste Management Unit
REC	recognized environmental condition
TCE	trichloroethylene
TDP	Technical Data Package
TPH	total petroleum hydrocarbons
TRPH	total recoverable petroleum hydrocarbon
TSDF	Treatment Storage Disposal Facility
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VOC	volatile organic compound

## EXECUTIVE SUMMARY

Project Resources Inc. (PRI) conducted a site visit as part of an Environmental Baseline Survey (EBS) of the natural gas utility systems at the Naval Air Station (NAS) Pensacola and the outlying fields at Naval Technical Training Center (NTTC) Corry Station and Saufley Field, collectively referred to as the “subject property” in Escambia County, Florida. (See Regional Location Map, Figure 1-1.) NAS Pensacola is located on a peninsula, approximately six miles southwest of the city of Pensacola. The peninsula is bounded to the north by Bayou Grande, to the east by Pensacola Bay, and to the south by the Gulf of Mexico. NAS Pensacola is comprised of approximately 7,288 acres. (This acreage includes the outlying fields at NTTC Corry Station and Saufley Field: 610 and 878 acres, respectively.)

The Department of the Navy (DoN) is privatizing the natural gas utility systems and their associated components at NAS Pensacola, NTTC Corry Station, and Saufley Field. (See Natural Gas Utility Distribution and IR Site Location Maps, Figures A-1 through A-12, Appendix A.) *It should be noted that the location of the natural gas utilities within Figures A-1 through A-12 is not completely current. The information provided to PRI with regard to the location of the natural gas system is in the process of being updated, and not yet available.*

The DoN will issue the private entity an easement to gain access to the subject property. The Department of Defense (DoD) policy requires an EBS before any property can be sold, leased, transferred, or acquired. This Environmental Baseline Survey Report (EBSR) meets that requirement specifically for the subject property and its associated realty, and generally for NAS Pensacola, NTTC Corry Station, and Saufley Field as a whole. The subject property consists of all components of the Natural Gas utility systems and their associated components at NAS Pensacola, NTTC Corry Station, and Saufley Field. The associated realty includes the 100-foot wide corridor centered on the Natural Gas utility lines. If multiple utility lines exist, lines approximately 50 feet on either side of the outer most utility line define the associated realty. NAS Pensacola, NTTC Corry Station, and Saufley Field, which are owned by the DoN, completely encompasses the limits of the subject property and its associated realty. The environmental condition of the subject property and its associated realty were assessed during this EBS.

In some cases, it may be difficult to distinguish whether only the subject property or the associated realty (or both) impact the identified recognized environmental conditions (RECs). For example, the associated realty may have been observed to encroach upon a REC (e.g., wetlands); however, only portions of the Natural Gas lines were observed to be within a REC. In these instances, both the subject property and the associated realty will be identified as impacting or being impacted by a REC.

A visit to the subject property was conducted in May 2004. Representative photographs taken during the site visit are presented in Appendix B.

The following RECs were observed during this EBS:

**Petroleum Contamination**

PRI's review of the available environmental records indicates that the following eight petroleum contamination sites were identified within the associated realty at NAS Pensacola, NTTC Corry Station and Saufley Field:

***NAS Pensacola***

Underground Storage Tank, Site 14  
Allegheny Pier (Pier 303), Site 20  
Underground Storage Tank, Site 21  
Underground Storage Tank, Site 000025 (Building 1932 "Touch-N-Go" Service Station)

***NTTC Corry Station***

Area 1, Suspected Landfill  
Area 2, Aircraft Refueling System  
Area 3, Free Product Area

***Saufley Field***

Underground Storage Tank, Site 2406.

No information was available that documented the remediation and/or closure of the petroleum-contaminated sites. Because these eight sites have been identified as contaminated and the appropriate closure has not been obtained, it appears that the contamination could impact the environmental integrity of the subject property.

**Environmental Restoration**

Thirty-nine Installation Restoration (IR) sites have been identified at NAS Pensacola. Sixteen of the 39 IR sites received "No Further Action" (NFA) letters from the Florida Department of Environmental Protection (FDEP). The remaining 23 active IR sites appear to be located within the associated realty. It should be noted that there are no IR sites (active or closed) located at NTTC Corry Station or Saufley Field.

Based on PRI's review of available documentation, it is unclear whether the IR sites have had a significant adverse impact on the environmental integrity of the subject property. However, because these sites have been identified as contaminated and the appropriate closure has not been obtained, it appears that the contamination could impact the environmental integrity of the subject property.

**Polychlorinated Biphenyl Compliance**

According to the NAS Pensacola Public Works staff, a base-wide program to identify polychlorinated biphenyl (PCB)-containing transformers and oil switches was completed in the mid 1990s. Documentation for individual transformers and laboratory test results was not available at the NAS Pensacola Environmental or Public Works Department.

In addition, the NAS Pensacola Electrical Commodity Manager (ECM) stated that a single electrical transformer at substation 98 (located adjacent to Building 1857) contains PCB-insulating fluid. This transformer is located within the associated realty. At the time of PRI's site visit, the transformer appeared to be in good condition with no evidence of leaks.

Additionally, at the time of PRI's site visit, several transformers were stored in the "pole yard" (IR Site 17) located at NAS Pensacola. The transformers were situated on a wood pallet, and appeared to have leaked onto the soil. An interview with the NAS Pensacola ECM indicated that the contents of the leaking transformers were unknown and could not be determined without proper testing. A review of the natural gas utility distribution map indicates that the "pole yard" is located within the associated realty.

### ***Wetlands***

Based on a review of the 1997 Integrated Natural Resources Management Plan (INRMP), a wetland delineation study reportedly identified 99 wetland areas, comprising approximately 650-acres at NAS Pensacola. The major wetland areas were identified along the southern and western edges of NAS Pensacola. Comparing the INRMP wetlands map to the subject property boundaries, it appears that portions of the subject property encroach upon wetland areas.

### ***Endangered/Threatened Species***

According to the INRMP, at least 15 rare plant species, 21 rare vertebrate species, and 12 natural communities occur at NAS Pensacola and Saufley Field. The Florida Natural Areas Inventory (FNAI) performed a rare plant, rare vertebrate, and natural communities survey at NAS Pensacola and Saufley Field. FNAI did not conduct surveys at NTTCCorry Station due to the extensive development of this property.

Based on PRI's review of the NAS Pensacola INRMP, it appears likely that state and federally-listed rare plant and vertebrate species occur within the associated realty at NAS Pensacola and Saufley Field that may impact the subject property.

### ***Cultural Resources***

Based on a review of the NAS Pensacola Integrated Cultural Resources Management Plan (ICRMP), dated October 2002, it appears that NAS Pensacola contains one historic district that is considered a National Historic Landmark (NHL). According to the ICRMP, the NHL contains 64 resources, which contribute to this historic district. The majority of the resources appear to be within the associated realty.

In addition, NAS Pensacola has five historic districts (not classified as NHLs) with a total of 110 contributing resources. The five historic districts are identified as Annapolis of the Air Historic District, Naval Hospital Historic District, Billingsley Drive/Cabaniss Crescent Historic District, Chevalier Field Hangars Historic District, and Fort Barrancas Cantonment Historic District. The majority of the resources, which contribute to the five historic districts, appear to be within the associated realty.

NTTC Corry Station and Saufley Field also contain historic districts. Reportedly, NTTC Corry Station historic district is comprised of buildings numbered in the 500 series, and Saufley Field historic district is comprised of buildings numbered in the 800 series. Comparing the reported building numbers to the electrical utility distribution map, the historic districts at NTTC Corry Station and Saufley Field appear to be within the associated realty.

***Archeological Resources***

Based on an interview with the NAS Pensacola Archeological and Cultural Resource Program Manager, as well as a review of the ICRMP, 53 archeological sites are located at NAS Pensacola. No archeological sites were reported at NTTC Corry Station or Saufley Field. An archeological resources map was not readily available to PRI. However, according to the NAS Pensacola Archeological and Cultural Resources Manager, some of the archeological sites at NAS Pensacola are within the associated realty.

The findings presented in this EBS are relative to the dates of PRI's survey in May 2004, and should not be relied upon to represent conditions at substantially later dates. See Section 8.0 for further limitations.

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Appendix A	Natural Gas Utility Distribution and IR Site Location Maps
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Appendix C	Supporting Documents

## 1.0 INTRODUCTION

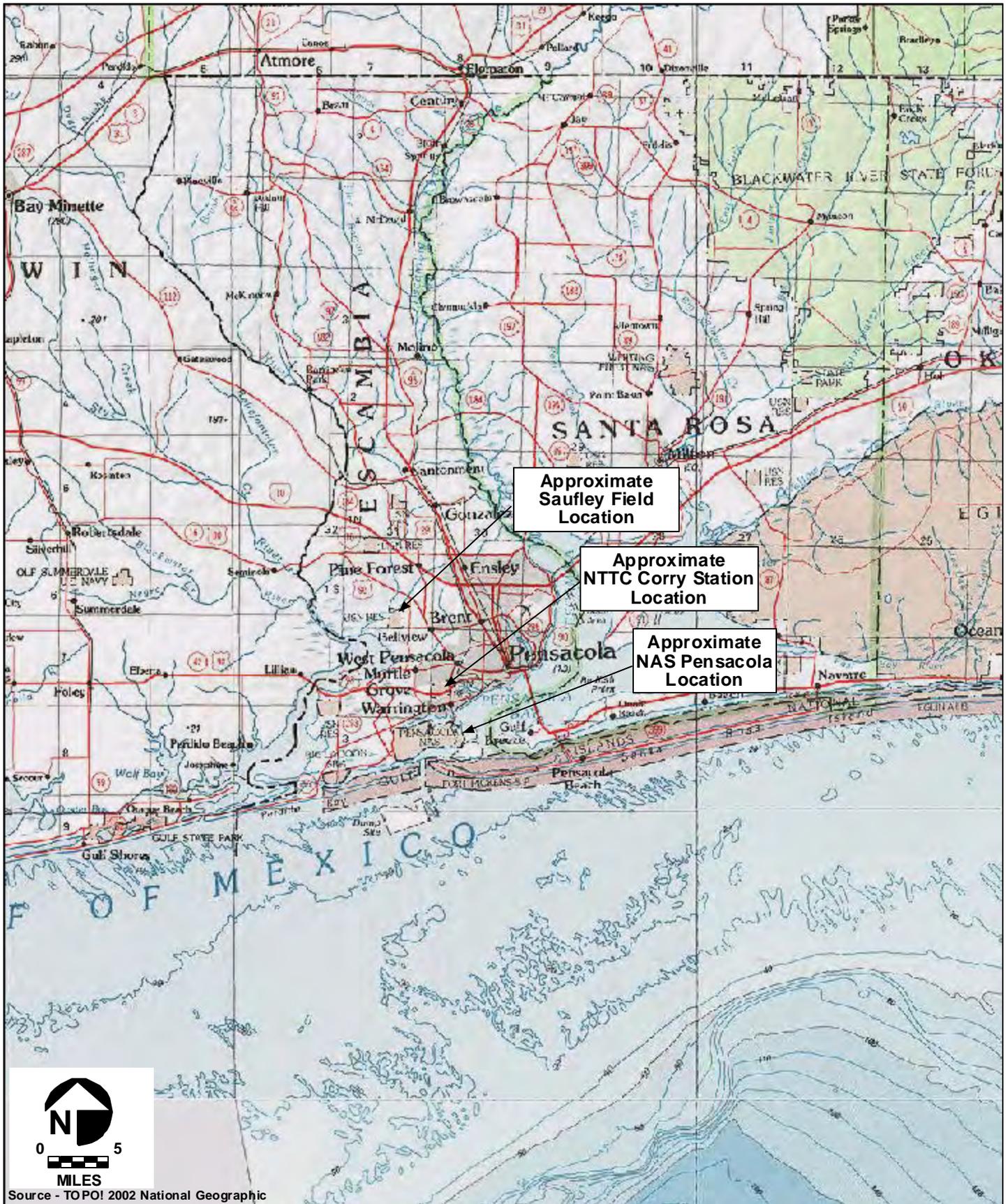
### 1.1 Introduction and Background

Project Resources Inc. (PRI) conducted a site visit as part of an Environmental Baseline Survey (EBS) of the natural gas utility systems and their components at the Naval Air Station (NAS) Pensacola, the outlying fields at Naval Technical Training Center (NTTC) Corry Station, and Saufley Field in Escambia County, Florida. (See Regional Location Map, Figure 1-1.) NAS Pensacola is located on a peninsula, approximately six miles southwest of the city of Pensacola. NTTC Corry Station is located five miles west of downtown Pensacola and two miles north of NAS Pensacola. Saufley Field is located between Highway 10 and Perdido Bay, approximately five miles northwest of downtown Pensacola

The Department of the Navy (DoN) is privatizing the natural gas utility systems and their associated components at NAS Pensacola, NTTC Corry Station, and Saufley Field. (See Natural Gas Utility Distribution and IR Site Location Maps, Figures A-1 through A-12, Appendix A.) *It should be noted that the location of the natural gas utilities within Figures A-1 through A-12 is not completely current. The information provided to PRI with regard to the location of the natural gas system is in the process of being updated, and not yet available.*

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FIGURE

Regional Location Map  
 Naval Air Station Pensacola  
 Pensacola, Florida

**1-1**

Readily available sources of information were obtained and reviewed during the EBS. A site visit was conducted by PRI in May 2004, and representative photographs are included as Appendix B.

## **1.2 Organization of EBSR**

The organization of this EBSR follows the format for a base-wide EBS prescribed by the Naval Facilities Engineering Command Environmental Baseline Survey Guidance, March 1995. PRI performed this EBS and prepared this EBSR in accordance with the Scope of Work (SOW) – Utility Privatization Naval Air Station, Pensacola, Florida, dated March 2004, as well as the American Society of Testing and Materials (ASTM D 6008-96).

## **1.3 Parcel Identification and Boundaries**

### ***NAS Pensacola***

NAS Pensacola occupies approximately 5,800 acres of land on a peninsula, approximately six miles southwest of downtown Pensacola on Navy Boulevard. NAS Pensacola is bordered to the north by Bayou Grande, to the east by Pensacola Bay and to the south by Big Lagoon and Pensacola Bay.

NAS Pensacola has been a Naval Industrial Operations Center since the early 1800s. It was a Navy shipyard from 1826 to 1911, and was then converted to an air station. Known as the “Cradle of Naval Aviation”, the air station serves as the launching point for the flight training of every Naval Aviator, Naval Flight Officer, and enlisted air crewman.

### ***NTTC Corry Station***

NTTC Corry Station occupies approximately 610 acres of land, with NTTC occupying the largest portion (432 acres). NTTC shares the base with the Naval Hospital (43 acres), Family Housing (88 acres) and the Navy Shopping Mall (47 acres). The main gate to NTTC Corry Station is accessible from New Warrington Road, which is a major roadway and is approximately one quarter mile to the east of NTTC’s eastern boundary. U.S. Highway 98 defines the southern boundary of NTTC Corry Station.

During World War II and the Korean War, NTTC Corry Station operated as a training base for Naval Aviators. In 1958, NTTC Corry Station was decommissioned as an auxiliary airfield. Presently, NTTC Corry Station is no longer used for aircraft operations, with the exception of the Naval hospital helicopter. The current mission of NTTC Corry is to train officers and enlisted personnel of the DoN, and personnel of other military services and agencies in cryptology, information operations, electronic warfare, instructor training, optics, instrumentation, and information systems.

### ***Saufley Field***

Saufley Field occupies 878 acres of land between Highway 10 and Perdido Bay, approximately 5 miles northwest of downtown Pensacola. Saufley Field consists of four airstrips, two of which are active and used by NAS Whiting Field pilots for touch and go

landing exercises. Saufley Field is now used primarily to train and educate Naval personnel, and house federal prisoners.

***Subject Property***

The subject property, which is bounded by a 100-foot corridor centered on the natural gas utility lines, is located within NAS Pensacola, NTTC Corry Station, and Saufley Field. (See Appendix A, Figures A-1 and A-12.) If multiple utility lines were within the subject property, the subject property boundaries were defined by lines +/- 50 feet on either side of the outer-most utility line. The natural gas utility system at NAS Pensacola is comprised of approximately 185,370 linear feet of underground distribution piping and 254 individual gas meters. The natural gas utility system at NTTC Corry Station is comprised of approximately 33,550 linear feet of underground distribution piping and 18 individual gas meters. The natural gas utility system at Saufley Field is comprised of 12,862 linear feet of underground distribution piping and 8 individual gas meters. Tiger Natural Gas, Inc., provides natural gas service to NAS Pensacola and the two outlying bases through the gas transmission line of KOCH Gateway Pipeline Company.

## 2.0 SURVEY METHODOLOGY

### 2.1 Approach and Rationale

This EBS employed a variety of methods to obtain the necessary information to assess the environmental condition of the subject property. This includes the following:

1. Search and review of available information and records in the possession of the DoN, and records made available by the regulatory agencies, or other involved federal agencies.
2. Review of reasonably obtainable federal, state, and local government records of each adjacent facility, where there has been a release or likely release of any hazardous substance or petroleum product or its derivatives, and which is likely to cause or contribute to a release, or threatened release, of any hazardous substance or petroleum product, or its derivative, on the subject property.
3. Interviews with current occupants of the property.
4. Visual assessment of the subject property, and of properties immediately adjacent to the subject property, noting sewer lines, runoff patterns, evidence of environmental impact (e.g., stained soil, stressed vegetation, or dead or ill wildlife), and other observations, which indicate actual or potential release of hazardous substances or petroleum products.
5. Review of ongoing response actions that have been taken at the subject property or adjacent properties (either those properties contiguous to the boundaries of the parcel being surveyed or other nearby properties).

### 2.2 Related Reports

The following is a listing of the documents that have been reviewed for this EBS:

- EnSafe Inc., 1998. *Final Record of Decision, Operable Unit 17, Site 42-Pensacola Bay*, Naval Air Station Pensacola, Florida. May 1998.
- EnSafe Inc., 2000. *Final Remedial Investigation Report Site 41, NAS Pensacola Wetlands*, Naval Air Station Pensacola, Florida. August 2000.
- EnSafe Inc., 2003. *Final Remedial Investigation Report Addendum 1, Site 40-Bayou Grande*, Naval Air Station Pensacola, Florida. August 2003.
- HHM Inc., 2002 *Integrated Cultural Resources Management Plan*, Naval Air Station Pensacola, Escambia County, Florida. October 2002.
- NAS Pensacola Environmental Office, 2002a. *Oil Spill Prevention Control & Countermeasures Plan*, Naval Air Station Pensacola, Pensacola, Florida. February 2002.

NAS Pensacola Environmental Office, 2002b. *Integrated Natural Resources Management Plan*, Naval Air Station Pensacola, Pensacola, Florida. March 2002.

Southern Division Naval Facilities Engineering Command, 2002, 2003 *Site Management Plan of the Installation Restoration Program for the Naval Air Station Pensacola*, Pensacola, Florida. September 2002.

Southern Division Naval Facilities Engineering Command, 2003. *Site Assessment Report Addendum for Underground Storage Tank Site 2406, Outlying Landing Field Saufley*, Naval Air Station Pensacola, Pensacola, Florida. August 2003.

Tetra Tech NUS, Inc., 2002. *Draft Remedial Action Plan for Building 1932, Navy Exchange "Touch-N-Go" Service Station, UST Site 000025*, Naval Air Station Pensacola, Pensacola, Florida. March 2002.

Tetra Tech NUS, Inc., 2004. *Site Characterization Report (Site 43)*, Naval Air Station Pensacola, Florida. January 2004.

## **3.0 PAST AND CURRENT USE**

### **3.1 Subject Property**

A 100-foot corridor centered on the Natural gas utility lines at NAS Pensacola, NTTC Corry Station and Saufley Field bounds the subject property, and defines the associated realty. If multiple utility lines exist, lines approximately 50 feet on either side of the outer most utility line define the associated realty. A review of the NAS Pensacola Technical Data Package (TDP) indicates that the natural gas distribution systems at NAS Pensacola and NTTC Corry Station were originally installed in 1940; however, most of the system had been upgraded and/or replaced in years 1950, 1960, 1975, 1996, and 1999. The natural gas distribution system at Saufley Field was originally installed in 1950, but had been upgraded and/or replaced in 1997.

### **3.2 Adjacent Property**

#### ***NAS Pensacola***

The land surrounding the subject property is currently occupied by NAS Pensacola. The DoN presence was first established at the site of NAS Pensacola in 1825, when President John Quincy Adams and Secretary of the Navy, Samuel Southard, arranged to build a Navy Yard on the southern tip of Escambia County. Construction of the Pensacola Navy Yard began in 1826, and grew to be one of the best-equipped naval stations in the country. The Pensacola Navy Yard was decommissioned in 1911. However, in 1914, the first U.S. Naval Air Station was established on the abandoned Pensacola Navy Yard site, and has become the primary Installation providing aviation training to the DoN. The primary mission of NAS Pensacola is to provide support to naval air training, tenants, and other customers through continuous improvement in quality of life, workforce, environment, and public image.

NAS Pensacola is surrounded by sensitive wetlands and marine ecosystems on the north (Bayou Grande), Pensacola Bay on the east and south. Small towns and rural populations are located west of NAS Pensacola.

#### ***NTTC Corry Station***

NTTC Corry Station currently occupies the land surrounding the subject property. NTTC Corry Station was commissioned in 1928 as an outlying landing field for NAS Pensacola. Corry Station has four primary functions: NTTC, the Naval Hospital, the Navy Shopping Mall, and Corry Family Housing. The primary mission of NTTC Corry Station is to administer those schools assigned by the Chief of Naval Education and Training to train officers and enlisted personnel of the Navy and personnel of other military services and agencies in cryptology, information operations, electronic warfare, photography, and optical and instrument repair.

Surrounding NTTC Corry Station are predominately residential, retail, and vacant woodland areas. Pensacola Junior College is located south and adjacent to NTTC Corry Station, across U.S. Highway 98.

***Saufley Field***

Saufley Field currently occupies the land surrounding the subject property. Saufley Field occupies 878 acres of land, most of which is covered by four airstrips and wooded areas. The airfield opened, in 1940, as Naval Auxiliary Air Station (NAAS) Saufley. NAAS Saufley was used to train U.S. and allied pilots during World War II and the Korean War. Saufley Field is now used to train and educate Naval personnel, and to house federal prisoners.

The area immediately surrounding Saufley Field is characterized by sparsely populated residential structures. Eightmile Creek and Elevenmile Creek are located along Saufley Field's northern boundary.

## 4.0 ENVIRONMENTAL SETTING

### 4.1 Location

The subject property is located within NAS Pensacola, NTTC Corry Station and Saufley Field. NAS Pensacola is located in northwest Florida on the western side of Pensacola Bay, approximately six miles southwest of downtown Pensacola. NAS Pensacola's main gate is accessible via the Sam Lovelace Bridge on Navy Boulevard.

NTTC Corry Station is located in the westernmost part of the Florida Panhandle, and lies five miles west of downtown Pensacola. NTTC Corry Station's main gate is accessible from New Warrington Road. U.S. Highway 98 is NTTC Corry Station's southern boundary.

Saufley Field is located in northwest Florida between Highway 10 and Perdido Bay. Saufley Field's main gate is accessible via Saufley Field Road, west of Highway 173.

### 4.2 Physiography

NAS Pensacola is located on a peninsula in the Gulf Coast Lowlands physiographic region, bounded by Bayou Grande to the north and Pensacola Bay to the south and east. The main topographic feature is a bluff paralleling the southern and eastern shorelines of the peninsula. Landward of the bluff is a gently rolling upland with elevations up to 40 feet above mean sea level (msl). In the eastern part of the base, a low and nearly level marine terrace lies east of the bluff with elevations of approximately 5 feet or less above msl, comprising the area of Chevalier Field and Magazine Point (EnSafe/Allen & Hoshall, 1996).

#### ***Surface Waters***

Sandy soils typify the NAS Pensacola area. Consequently, most rainfall infiltrates directly into the subsurface, resulting in few natural streams. Streams on base are generally man-made and channelized. Numerous natural wetlands occur in low-lying areas. At NTTC Corry Station, no streams or ponds exist except for a small, unnamed drainage channel that flows east along the northeastern portion of the station. Elevenmile and Eightmile Creeks flow southwest through the northwest portion of the Saufley Field property (EnSafe/Allen & Hoshall, 1996).

#### ***Drainage***

The NAS Pensacola, NTTC Corry Station and Saufley Field are located within the Perdido-Escambia River Basin, which drains directly into the Pensacola Bay and Perdido Bay systems. The Escambia River, the largest stream in the area, flows southward from Alabama. It divides Escambia County from Santa Rosa County and empties into Escambia Bay, which becomes Pensacola Bay to the south. The Perdido River flows into Perdido Bay, which empties into various, relatively small inland bays

and bayous, and ultimately into the Gulf of Mexico. Perdido Bay is connected to the Pensacola Bay system via the Intracoastal Waterway and Big Lagoon.

### **4.3 Geology**

#### ***Geological Formations***

Three types of sediments characterize the surface geology at NAS Pensacola, NTTC Corry Station, and Saufley Field: limestones, organics, and clastics (silt, clay, sand, gravel). The Pensacola region is underlain, in descending order, by the Sand and Gravel Aquifer, the Intermediate System (a regional confining unit), and the Floridan Aquifer. The Gulf Coastal Lowlands are characterized by nearly level and poorly drained land, extending about 12 miles inland from the coast. Ground elevations in the Pensacola region range from sea level to over 50 feet above msl.

#### ***Soils***

The principal soils at NAS Pensacola are strongly acidic, well to somewhat excessively drained, and sandy textured. The sand or loamy sand surface is 30 to 42 inches thick and underlain by sandy loam to sandy clay substrata.

Surface soils in the NTTC Corry Station area are classified with the Arents, Hurricane, Lakeland, Pickney, Robertsdale, and Urban Land associations. The Arents association consists of sand deposited by wave action along the coast. Drainage is classified as excessive. Surface soils in the Hurricane Sand association vary from dark gray to very dark grayish-brown in color, and from 3 to 6 inches in thickness. Drainage is classified as somewhat poor. The Lakeland association surface soils range from dark grayish-brown to yellowish-brown in color, and from 2 to 4 inches in thickness. Drainage is classified as somewhat excessive. Soils in the Pickney association were formed under poor drainage from thick beds of acidic sandy materials. The surface soils contain copious amounts of organic material. Drainage is classified as poor. Soils in the Robertsdale association vary from very dark gray to grayish-brown in color, and from 4 to 6 inches in thickness. Drainage is classified as good. Urban Land soils consist of regions that have been paved. Drainage is poor and runoff potential excessive. Permeability is generally less than five inches per hour (Naval Energy and Environmental Support Activity, 1992).

Soils at Saufley Field range from well-drained sandy and loamy soils, in the vicinity of the field and northeast of the field, to poorly drained sandy and muck soils on the south, southwest, and northwest sides of the field.

### **4.4 Hydrogeology**

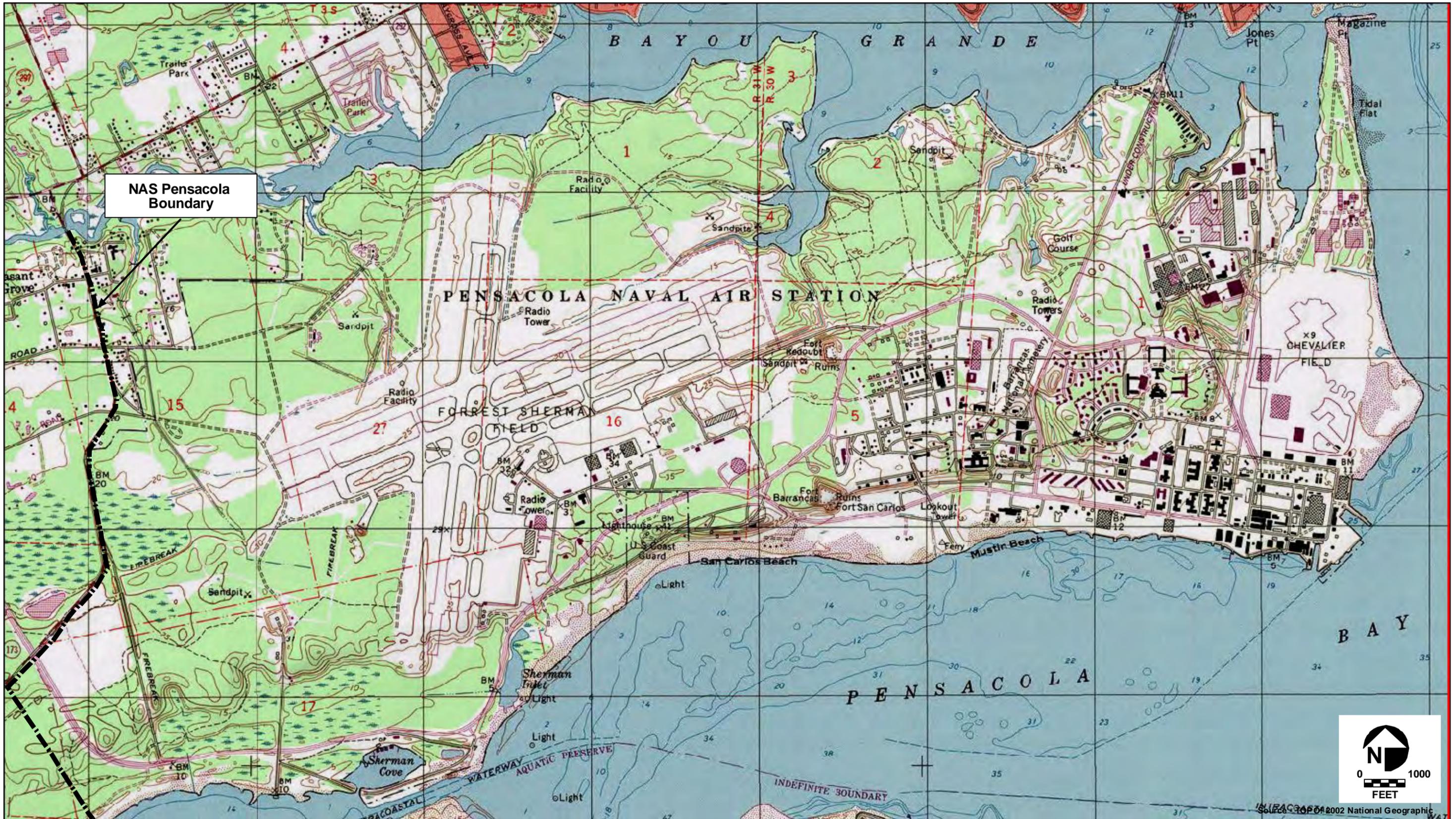
Three principal hydrogeologic units underlie NAS Pensacola, NTTC Corry Station, and Saufley Field: the Sand and Gravel Aquifer, the Intermediate System, and the Floridan Aquifer. The Sand and Gravel Aquifer occurs from ground surface to a depth of approximately 220 to 330 feet below ground surface (bgs), in southern Escambia County.

Below this aquifer is the Intermediate System, which is a regionally extensive and vertically persistent hydrogeologic unit of low permeability. The Intermediate System in southern Escambia County is approximately 550 to 1,200 feet thick. The Floridan Aquifer System, composed of limestone formations, underlies the Intermediate System and occurs at depths between approximately 1,100 and 1,500 feet bgs. The Sand and Gravel Aquifer and the Floridan Aquifer are used for groundwater by this region, while the Intermediate System acts as a confining unit.

Aquifer systems in the region provide an abundant supply of fresh water. Potable groundwater in Escambia County is generally withdrawn from the Sand and Gravel Aquifer. The Floridan Aquifer is highly productive in other parts of the region, but it cannot be used as a potable water source in the Pensacola area due to high mineral content. The high level of annual rainfall provides ample water to recharge the groundwater and surface water systems of this area. Regionally, groundwater contaminated with tetrachloroethylene (PCE), a dry cleaning chemical, has been found, but the PCE-contaminated water has been (and is currently being) treated by placing granular-activated carbon filters on the impacted wells. At NAS Pensacola, shallow groundwater reportedly has PCB contamination associated with several IR sites. Because of this situation, potable water is supplied to NAS Pensacola from wells at NTTC Corry Station.

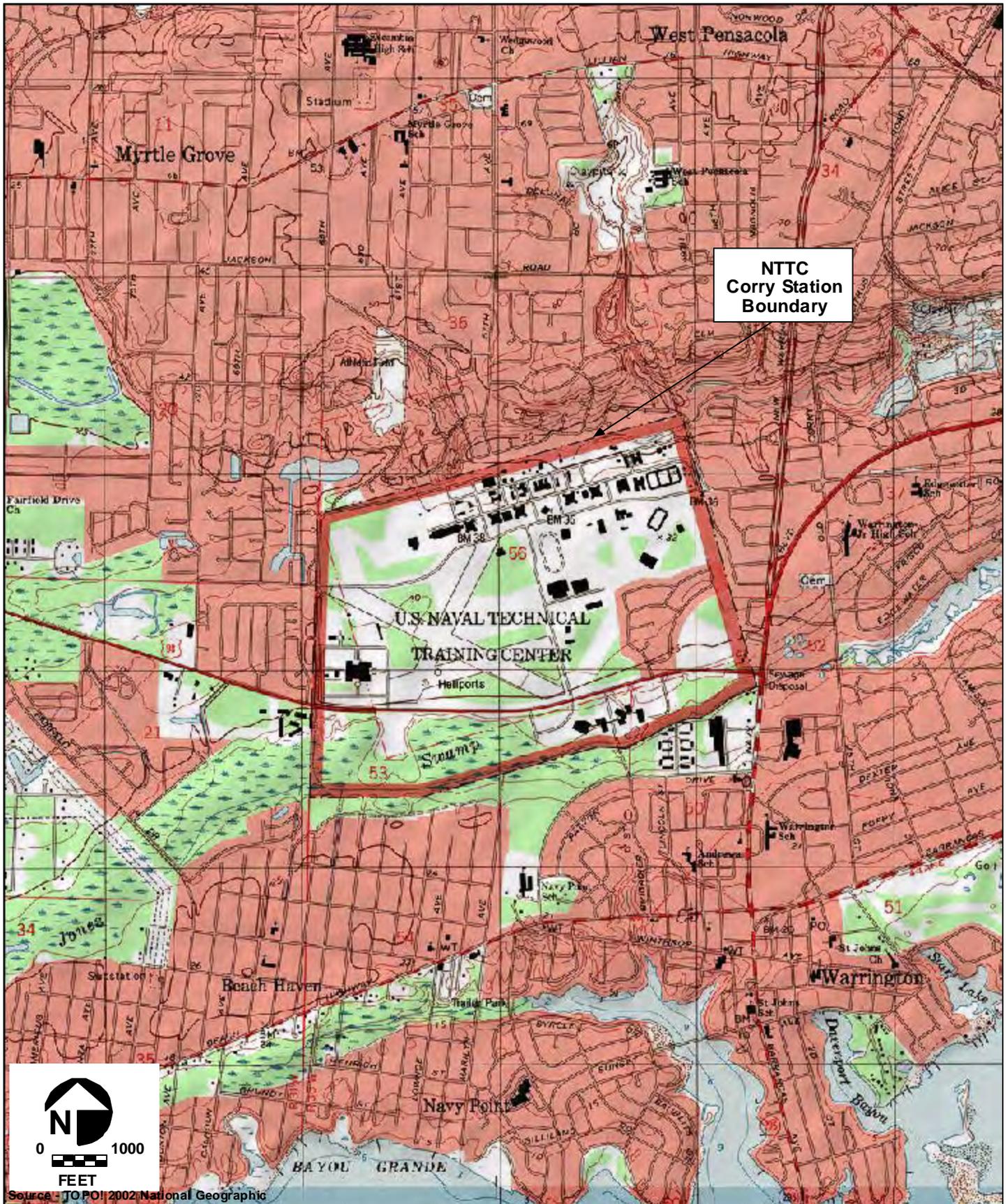
#### **4.5 Topography**

NAS Pensacola is located within the Fort Barrancas, Florida, 7.5-Minute Topographic Quadrangle Map. NTTC Corry Station, and Saufley Field are located within the West Pensacola, Florida, 7.5-Minute Topographic Quadrangle Map. The topography at NAS Pensacola is basically flat, ranging from sea level to approximately 40 feet above msl. The topography at NTTC Corry Station ranges from an elevation of approximately 20 to 30 feet above msl. Saufley Field is located along a low ridge with an elevation of approximately 85 feet msl. The ridge drops off to 25 feet msl on the north side of Eightmile Creek, and 10 feet msl at the edge of Perdido Bay, to the south (Figures 4-1, 4-2, and 4-3).



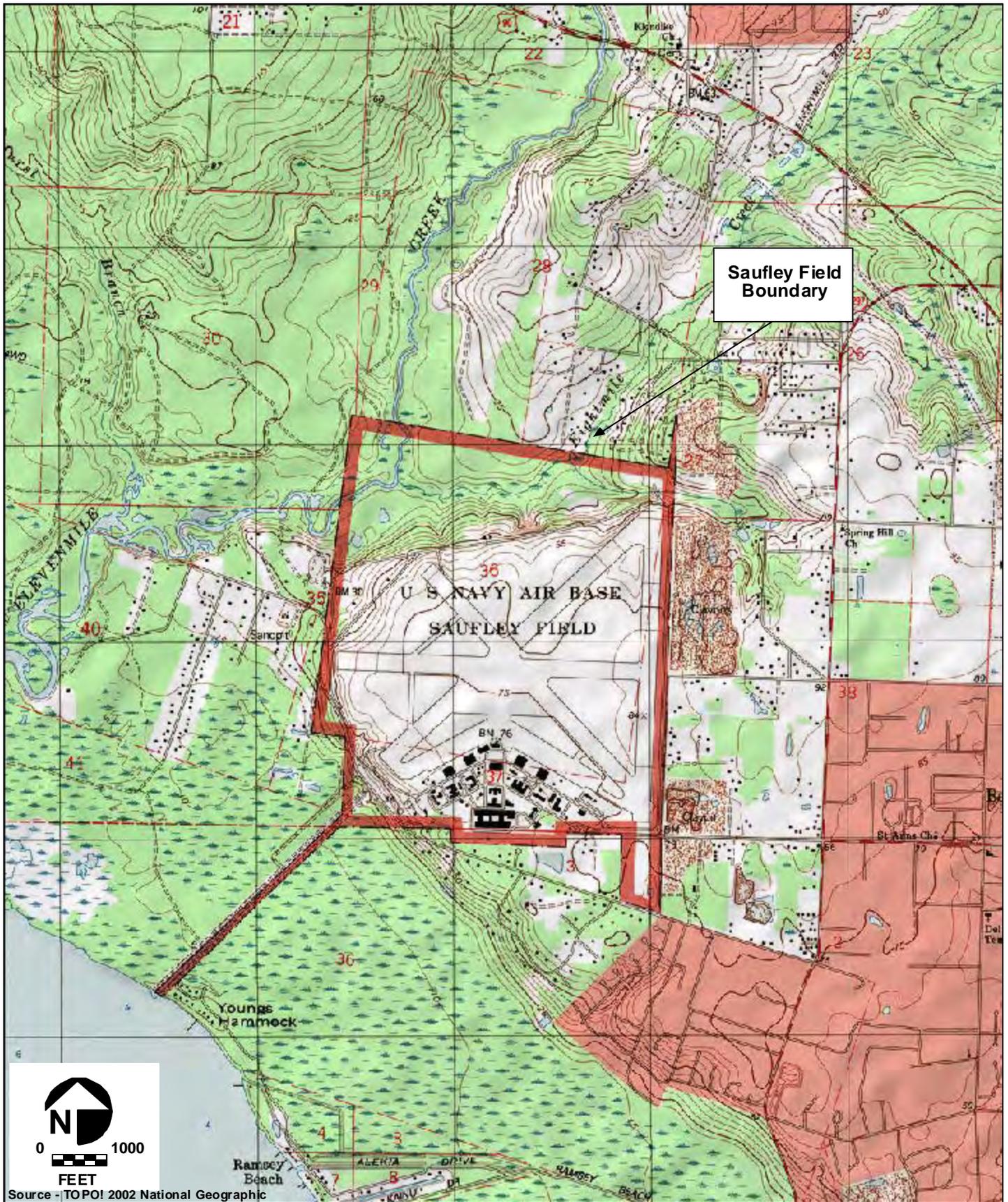
Site Topographic Map  
 NAS Pensacola  
 Pensacola, Florida

FIGURE  
**4-1**



FIGURE

4-2



Saufley Field  
Boundary

FIGURE

4-3

## **4.6 Natural Resources**

### ***Wetlands***

Based on a review of the 1997 Integrated Natural Resources Management Plan (INRMP), a wetland delineation study reportedly identified 99 wetland areas, comprising approximately 650-acres at NAS Pensacola. The major wetland areas were identified along the southern and western edges of NAS Pensacola. Comparing the INRMP wetlands map to the subject property boundaries, it appears that portions of the subject property encroach upon the wetland areas.

Two forested wetland areas, approximately 0.5 acres, were identified at NTTC Corry Station during the 1997 wetland delineation study. In addition, approximately 100 acres of wetland areas are reportedly located in the northern portion of Saufley Field. PRI has requested wetland delineation maps for NTTC Corry Station and Saufley Field; however, the information had not been received at the time of this EBSR. Consequently, the location of the subject property, in relation to wetlands, cannot be determined at this time.

Based on PRI's review of the available documentation, and observations made during the site visit, it appears that the subject property encroaches upon the wetland areas at NAS Pensacola.

### ***Endangered/Threatened Species***

According to the INRMP, at least 15 rare plant species, 21 rare vertebrate species, and 12 natural communities occur at NAS Pensacola and Saufley Field. The Florida Natural Areas Inventory (FNAI) performed a rare plant, rare vertebrate, and natural communities survey at NAS Pensacola and Saufley Field. FNAI did not conduct surveys at NTTC Corry Station due to the extensive development of this property. See Table 4-3 for a list of rare, threatened, and endangered plants and vertebrates occurring at NAS Pensacola and Saufley Field.

**Table 4-3.  
 Rare, Threatened, and Endangered Species at NAS Pensacola and Saufley Field**

Location	Rare Plants	Rare Vertebrates
NAS Pensacola	Godfrey's golden aster, Spoon-leaf sundew, Gulf rock rose, Carolina lilaopsis, Spoonflower, White-fringed orchid, Large-leaf jointweed, White-top pitcher-plant, Parrot pitcher-plant, Drummond's yellow-eyed grass	American alligator, Great egret, Eastern diamondback rattlesnake, Little blue heron, Snowy egret, American swallow-tailed kite, Gopher tortoise, American oyster catcher, Gulf salt marsh snake, Yellow-crowned night heron, Black-crowned night heron, Osprey, Brown pelican, Florida clapper rail, Black skimmer, Least tern, Caspian tern, Royal tern
Saufley Field	Spoon-leaf sundew, Chapman's butterwort, Primrose-flowered butterwort, White-top pitcher-plant, Parrot pitcher-plant, Purple pitcher-plant	Big brown bat, Gopher tortoise, Alligator snapping turtle, Southeastern bat

Based on PRI's review of the NAS Pensacola INRMP, it appears likely that state and federally-listed plant and vertebrate species occur within the boundaries of the subject property at NAS Pensacola and Saufley Field.

#### **4.7 Cultural Resources**

Based on a review of the NAS Pensacola Integrated Cultural Resources Management Plan (ICRMP), dated October 2002, it appears that NAS Pensacola contains one historic district that is considered a National Historic Landmark (NHL). According to the ICRMP, the NHL contains 64 resources, which contribute to this historic district. The majority of the resources appear to be within the associated realty.

In addition, NAS Pensacola has five historic districts (not classified as NHLs) with a total of 110 contributing resources. The five historic districts are identified as Annapolis of the Air Historic District, Naval Hospital Historic District, Billingsley Drive/Cabaniss Crescent Historic District, Chevalier Field Hangars Historic District, and Fort Barrancas Cantonment Historic District. The majority of the resources, which contribute to the five historic districts, appear to be within the associated realty.

An interview with the NAS Pensacola Archeological and Cultural Resource Program Manager indicated that NTTC Corry Station and Saufley Field have historic districts. Reportedly, NTTC Corry Station historic district is comprised of buildings numbered in the 500 series, and Saufley Field historic district is comprised of buildings numbered in

the 800 series. Based on the reported building numbers, the historic districts at NTTCCorry Station and Saufley Field appear to be within the associated realty.

See Appendix C (Supporting Documents) for a list of historic cultural resources at NAS Pensacola. It should be noted that the historic cultural resources list has been included as an excerpt from the NAS Pensacola ICRMP, dated October 2002.

#### **4.8 Archeological Resources**

Based on an interview with the NAS Pensacola Archeological and Cultural Resource Program Manager, as well as a review of the ICRMP, 53 archeological sites are located at NAS Pensacola. No archeological sites were reported at NTTCCorry Station or Saufley Field. Due to security reasons, an archeological resources map was not provided to PRI. However, according to the NAS Pensacola Archeological and Cultural Resources Manager, some of the archeological sites at NAS Pensacola are within the associated realty.

See Appendix C (Supporting Documents) for a list of recorded archeological resources at NAS Pensacola. It should be noted that the recorded archeological resources list has been included as an excerpt from the NAS Pensacola ICRMP, dated October 2002.

## **5.0 ENVIRONMENTAL CONDITIONS**

### **5.1 Federal / State Regulatory Agreements / Permits**

#### ***National Priorities List***

The remedial activities at NAS Pensacola are driven by Section 120 of CERCLA, which addresses procedures to be followed by federal facilities during the investigation and cleanup of environmental problems. To implement CERCLA, the United States Environmental Protection Agency (USEPA) initiated the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). The NCP established the Hazard Ranking System (HRS) to place sites on the National Priorities List (NPL) for priority environmental investigation and response. The HRS score for NAS Pensacola (42.4) placed it on the NPL on December 31, 1989. The USEPA identification number for NAS Pensacola is FL9170024567. NAS Pensacola remains on the NPL until no further response is appropriate under CERCLA.

#### ***Domestic Wastewater Facility Permit***

PRI reviewed the Domestic Wastewater Facility permit #FL0002500, which authorizes NAS Pensacola Wastewater Treatment Plant to discharge 2.35 million gallons per day (mgd) of effluent into Pensacola Bay. This permit is active from October 8, 1999, through October 1, 2004. The NAS Pensacola Wastewater Treatment Program Manager reported that there have not been any notices of violation (NOV) concerning the aforementioned permit. The existence of the Domestic Wastewater Facility permit is not anticipated to impact the environmental integrity of the subject property or the associated realty.

### **5.2 Hazardous Substances / Waste Management**

#### ***Hazardous Substances***

Buildings 684 and 3680 are identified as Hazardous Material Issue/Control Facilities (HAZMART) at NAS Pensacola. These facilities are intended to be the centralized distribution points for hazardous materials for NAS Pensacola host departments, tenant commands, and contractors.

Based on the data obtained during PRI's site visit, 65 buildings at NAS Pensacola reportedly store hazardous materials. In addition, eight buildings at NTTC Corry Station and five buildings at Saufley Field store hazardous materials. Review of the natural gas utility distribution maps indicate that the some of the hazardous material storage buildings, identified above, are located within the boundaries of the subject property and the associated realty. An inventory of buildings, which store hazardous materials at NAS Pensacola, NTTC Corry Station, and Saufley Field is included in Appendix C.

Based on visual observations and environmental records reviewed to date, the hazardous material storage areas do not appear to have had an adverse impact on the environmental integrity of the subject property or the associated realty.

### ***Hazardous Waste***

A review of the NAS Pensacola Hazardous Waste Management Plan indicates that the base is identified as a large quantity generator of hazardous waste. Due to the quantity of hazardous waste generated, the Florida Department of Environmental Protection (FDEP) has assigned an ID #FL9170024567 to NAS Pensacola. Building 3819, at NAS Pensacola, is permitted as a Resource Conservation and Recovery Act (RCRA) Treatment Storage Disposal Facility (TSDF). In addition, five aboveground storage tanks (ASTs), located at Building 604, are identified as less than 90-day hazardous waste storage areas. A review of the natural gas utility distribution maps indicate that Buildings 3819 and 604 are located within the associated realty.

At the time of PRI's site visit, no evidence of a hazardous waste release was observed or reported by NAS Pensacola Environmental Department personnel at Buildings 3819 and 604. Based on visual observations and environmental records reviewed to date, the RCRA TSDF and the less than 90-day hazardous waste storage areas do not appear to have had an adverse impact on the environmental integrity of the subject property or the associated realty.

### **5.3 Petroleum Contamination**

PRI's review of the available environmental records indicates that the following eight petroleum contamination sites were identified at NAS Pensacola, NTTCC Corry Station and Saufley Field:

#### ***NAS PENSACOLA***

##### **1. Underground Storage Tank Site 14**

Underground storage tank (UST) Site 14 is currently inactive and is identified as the fenced area surrounding USTs 681 and 682. USTs 681 and 682 are located at the former NAS Pensacola petroleum storage facility, which is located south of Farrar Street. The topographic gradient in this area slopes to the south. The nearest surface water body is Bayou Grande, which is located approximately 3,500 feet to the northeast. The two 1.1 million gallon USTs were installed in December 1943, and stored a variety of vehicular fuels. UST 681 and UST 682 were taken out of service and closed in place in April 1995.

A site assessment was conducted in 2000, after the Tank Closure Assessment reported dissolved hydrocarbons in the groundwater. The Site Assessment Report (SAR) concluded that the contaminated groundwater was not migrating off site, and was limited vertically to the upper surficial zone of the Sand and Gravel Aquifer.

Based on information provided in the above referenced assessments, it appears that contaminated groundwater with concentrations in excess of the FDEP Groundwater Cleanup Target Levels (GCTLs) have been reported at the associated realty. The primary chemicals of concern (COC) are naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene. The source of the groundwater contamination plume appears to be

petroleum products, and extends down gradient toward the southeast. This contamination site appears to be within the associated realty.

## **2. Site 20 Allegheny Pier (Pier 303)**

Site 20 Allegheny Pier (Pier 303) is located approximately ¼ mile south of Chevalier Field, along the Pensacola Bay shoreline. Currently the area consists of a 30-foot wide concrete loading area, immediately adjacent to the pier seawall, and surrounded by a large asphalt parking lot. The site is a former “berthing pier area” that had fueling capabilities. Previously, there was an approximately 1,300,000-gallon AST (Tank No. 354) within a concrete containment wall adjacent to and west of the pier. Tank No. 354 was removed in 1993, and not replaced. Since 1926, Tank No. 354 had stored Navy Special Fuel Oil, Distillate, and JP-5 jet fuel. Pipelines extended from Tank No. 354, north toward Building 2573 to the berthing pier (Structure No. 303). In 1981, a leak was discovered in the fuel pipeline leading to the berthing pier. The soil in the vicinity of the leak appeared saturated with fuel oil. An unknown volume of soil was removed, and properly disposed in 1981.

In November 1993, the presence of petroleum constituents at the wastewater treatment plant led to an investigation of the sanitary sewer lines. Oil/fuel was discovered in the lines leading from the berthing pier to the wastewater treatment plant. Possible contamination was thought to have occurred during construction modifications to the pier. Tank No. 354 was removed in 1993, but the pipelines were not. This contamination site appears to be within the associated realty.

## **3. Underground Storage Tank Site 21**

UST Site 21 is the former aviation gasoline tank farm, located east of Duncan Road and north of Radford Boulevard. From approximately 1940 to the late 1960s, nine ASTs were utilized to store aviation fuel at the site. The ASTs were routinely cleaned, and the sludge from the bottoms of the ASTs was disposed of on the ground surface in the immediate vicinity. The ASTs since have been removed from the site, and the majority of the site is currently covered with grass.

Previous investigations at UST Site 21, performed in 1991, 1995, and 1997, identified petroleum constituent concentrations in the soil and groundwater, which exceeded regulatory criteria. In 2001, FDEP requested that additional assessment be conducted at the site prior to the preparation of the Remedial Action Plan. Based on information provided by the previous assessment activities, petroleum hydrocarbon concentrations in excess of regulatory criteria, in both soil and groundwater, have been reportedly documented at this site. This contaminated site appears to be within the associated realty.

## **4. Underground Storage Tank Site 000025 (Building 1932 “Touch-N-Go” Service Station)**

UST Site 000025 is the current Navy Exchange “Touch-N-Go” Service Station facility (Building 1932). Building 1932 is located on the north side of San Carlos Road, and

consists of a single building and three canopy covered dispenser islands. A former dispenser island was located to the south-southwest of the current dispensers. Former USTs, located south of the dispenser islands, provided fuel for the service station. Whether the USTs were closed in place or closed by removal is unknown. The status of the former product lines is also unknown. A concrete slab now covers the former USTs location and no fill ports are present. The former USTs and associated piping are located within the subject property. During this EBS, no documentation was found that indicated whether soil or groundwater sampling was performed or soil or groundwater was impacted at this site. However, it is possible that the soil and/or groundwater may be impacted with petroleum products.

Additionally, a 500-gallon waste oil UST (located along the west wall of Building 1932) was closed by removal in August 1994. During the UST removal, discolored soil was observed, and organic vapor analyzer (OVA) readings indicated that, a release of petroleum had occurred. In March 1995, a groundwater monitoring well was installed in the former UST pit, and a groundwater sample was collected for volatile organic compounds (VOCs) analysis. The groundwater sample reported twelve VOC compounds with concentrations exceeding laboratory detection limits. Two of the compounds, naphthalene and m,p-xylene, were reported at concentrations exceeding Florida GCTLs.

Based on information provided from the previous assessment activities, soil and groundwater reportedly contain VOC concentrations in excess of regulatory criteria at UST Site 000025. This contaminated site appears to be within the associated realty.

### ***NTTC CORRY STATION***

#### **5. Area 1, Suspected Landfill**

According to environmental records, a landfill was reportedly owned and operated by NTTC Corry Station during the mid 1950s. According to the reviewed records, station personnel (of that time period) gave an approximate location (north of Building 1099) of the landfill, but were unable to specify the disposed materials. It was suspected that both solid and hazardous wastes were deposited in the landfill. This information was later substantiated by two reports. According to these reports, stained soil was observed from 5 to 44 feet bgs in the suspected area. In 1991, additional soil sampling was conducted during Building 1099 renovations, and stained soil was reported from 0 to 16.5 bgs. This contaminated site appears to be within the associated realty.

#### **6. Area 2, Aircraft Refueling System**

According to environmental records reviewed, NTTC Corry Station reportedly utilized several USTs when it was an outlying landing field for NAS Pensacola. Five 12,000-gallon gasoline USTs (Tank Nos. 538 A through E), located east of Building 1080, were used in conjunction with 8,000 feet of gasoline pipeline. The gasoline pipeline was connected to 56 gasoline service pits, which were used to refuel aircraft. After NTTC Corry Station was decommissioned as an outlying landing field, the aircraft refueling

system was no longer in use. It is unknown when, or if, the USTs, the associated 8,000 feet of pipeline, and/or the 56 service pits were removed.

Due to the lack of information regarding closure of the aircraft refueling system, the potential for contamination exists. The aircraft refueling system is located within the associated realty.

#### **7. Area 3, Free Product Area**

Based on environmental records reviewed, in the mid 1950s, Public Works personnel were reportedly involved in a routine subsurface operation, when they encountered a significant amount of petroleum in the soil and groundwater north and adjacent to Building 514. The fire department was reportedly called to the scene and pumped out free petroleum product for three days. The source of the petroleum is unknown. It is suspected that the source of the product was from the aircraft refueling system. The aircraft refueling system was located approximately 300 feet east from the free petroleum product area. It is suspected that the petroleum encountered would have been aviation fuel.

Due to the lack of information regarding the remediation of the free petroleum product area, the potential for contamination exists. The free petroleum product area is located within the associated realty.

### **SAUFLEY FIELD**

#### **8. Underground Storage Tank Site 2406**

UST Site 2406 is located at the southwest corner of Building 2406. Most of the area is paved with asphalt or concrete. Two woodland areas, approximately ½-acre and 2-acres, respectively, are located south-southwest of Building 2406. Within these woodland areas, a former jet fuel tank farm area reportedly contained six 20,000-gallon USTs. A 10-inch fuel line distributed jet fuel to the landing field from the former tank farm area. In addition to the USTs and fuel line, there were two 20,000-gallon ASTs located behind Building 804 (near the intersection of Raby Avenue and Pou Street), and four 7,800-gallon USTs located beneath the ASTs. The 7,800-gallon fuel oil USTs were reportedly abandoned in place in November 1988.

In 1994, the Public Works Center (PWC) potable water treatment system included two active potable water wells (PW03 and PW04) at Saufley Field. A water sample taken from PW04, in 1994, indicated benzene concentrations exceeding the FDEP drinking water standards. PW04 was taken off-line and placed on quarterly monitoring for one year. In 1996, PW03 and PW04 were abandoned in place. In 1996 and 2000, PWC performed additional investigations at the site, and confirmed the presence of soil and groundwater contamination exceeding FDEP GCTLs.

A petroleum release from the aforementioned USTs and ASTs may have been the sources of contamination detected in PW04 prior to abandonment. However, no documentation of tank closures for the six 20,000-gallon USTs, the two 20,000-gallon

ASTs, or the four 7,800-gallon USTs was available. In addition, no documentation of a pipeline closure assessment was provided for the 10-inch fuel line.

However, PRI was able to obtain the SAR Addendum for UST Site 2406, prepared by Tetra Tech, dated August 2003, which indicated that the source of contamination is most likely from the intersection between the fuel line and the former tank farm area. This is the area where the free product plume and soil contamination were identified. UST Site 2406 is situated within the associated realty.

Based on PRI's review of the available environmental records, it appears that the abovementioned eight petroleum-contaminated sites are within the associated realty. In addition, no information was available that documented the remediation and/or closure of the petroleum-contaminated sites. Because these eight sites have been identified as contaminated and the appropriate closures have not been obtained, it appears that the contamination could impact the environmental integrity of the subject property.

***Aboveground Storage Tanks***

Based on an Oil Spill Prevention Control and Countermeasures Plan (SPCC Plan), dated February 2002, as well as interviews with the PWC personnel, a visual assessment of the ASTs was conducted at NAS Pensacola, NTTC Corry Station, and Saufley Field. Table 5-1 lists the active ASTs at NAS Pensacola, NTTC Corry Station, and Saufley Field.

**Table 5-1  
 Aboveground Storage Tank List**

Location	Building Number/Name	Tank ID #	Capacity (gal)	Contents	Within Subject Property (Y/N)
NAS Pensacola	782	782-A	2,000	Diesel Fuel	Y
NAS Pensacola	1064	1006-A	500	Waste Oil	Y
NAS Pensacola	1099	1099-A	300	Diesel Fuel	Y
NAS Pensacola	WWTP	3297-E	5,000	Diesel Fuel	Y
NAS Pensacola	WWTP	3297-F	8,000	Methanol	Y
NAS Pensacola	Sherman Field	3581-A	4,126	Smoke Oil	Y
NAS Pensacola	3719	3719-A	285	Diesel Fuel	Y
NAS Pensacola	Bilge Plant	3859-A	20,000	Waste Oil	Y
NAS Pensacola	Bilge Plant	3859-B	20,000	Waste Oil	Y

ENVIRONMENTAL BASELINE SURVEY  
 NATURAL GAS UTILITY SYSTEMS PRIVATIZATION  
 NAVAL AIR STATION, PENSACOLA, FLORIDA

Location	Building Number/Name	Tank ID #	Capacity (gal)	Contents	Within Subject Property (Y/N)
NAS Pensacola	Bilge Plant	3859-C	10,000	Waste Oil	Y
NAS Pensacola	Bilge Plant	3859-D	10,000	Waste Oil	Y
NAS Pensacola	NA	1955-A	500	Diesel Fuel	Unknown
NAS Pensacola	NA	603-F	4,000	Diesel Fuel	Unknown
NAS Pensacola	NA	639-A	285	Diesel Fuel	Unknown
NAS Pensacola	Port Ops	3851-A	2,000	Diesel Fuel	Y
NAS Pensacola	Golf Course	3447-A	2,000	Gas	Y
NAS Pensacola	Golf Course	3447-B	1,000	Diesel	Y
NAS Pensacola	Port Ops	1825-A	250	Gas	Y
NAS Pensacola	Marina	3257-C	6,000	Unleaded Gasoline	Y
NAS Pensacola	Marina	3257-D	6,000	Diesel Fuel	Y
NAS Pensacola	Power Plant	1857-A	850	Diesel Fuel	Y
NAS Pensacola	Jet Test Cell	3611-A	4,000	JP-5	Y
NAS Pensacola	Jet Test Cell	1922-A	1,000	JP-5	Y
NAS Pensacola	1932	1932-A	10,000	Unleaded Gasoline	Y
NAS Pensacola	1932	1932-B	10,000	Diesel Fuel	Y
NAS Pensacola	1932	1932-C	10,000	Unleaded Super	Y
NAS Pensacola	NA	3255-A	285	Diesel Fuel	Unknown
NAS Pensacola	Crash Station	1878-A	2,000	Diesel Fuel	Y
NAS Pensacola	NA	1901-A	300	Diesel Fuel	Unknown
NAS Pensacola	NA	1901-B	300	Diesel Fuel	Unknown
NAS Pensacola	NA	1902-A	300	Diesel Fuel	Unknown
NAS Pensacola	NA	1916-A	285	Diesel Fuel	Unknown
NAS Pensacola	Tacan Site	1917-A	560	Diesel Fuel	Unknown
NAS Pensacola	Maytag Refueling	2644-A	10,000	JP-5	Unknown

ENVIRONMENTAL BASELINE SURVEY  
 NATURAL GAS UTILITY SYSTEMS PRIVATIZATION  
 NAVAL AIR STATION, PENSACOLA, FLORIDA

Location	Building Number/Name	Tank ID #	Capacity (gal)	Contents	Within Subject Property (Y/N)
NAS Pensacola	Maytag Refueling	2644-B	1,000	JP-5	Unknown
NAS Pensacola	NA	3234-A	500	Diesel Fuel	Unknown
NAS Pensacola	Truck Stands	3919	126,000	Not Available	Unknown
NAS Pensacola	Truck Stands	3920	126,000	Not Available	Unknown
NAS Pensacola	Fuel Farm	3914	1,785,000	JP-5	Y
NAS Pensacola	Fuel Farm	3915	1,785,000	JP-5	Y
NAS Pensacola	Fuel Farm	3916	1,785,000	JP-5	Y
NAS Pensacola	Fuel Farm	3917	1,785,000	JP-5	Y
NAS Pensacola	Fuel Farm	3918	8,000	Diesel Fuel	Y
NAS Pensacola	Fuel Farm	3891-A	10,000	JP-5	Y
NAS Pensacola	Hazardous Storage	684-A	1,000	Waste Oil	Y
NAS Pensacola	NATTC Fire School	3921-A	600	JP-5	Y
NAS Pensacola	NATTC Fire School	3921-B	2,500	JP-5	Y
NAS Pensacola	NATTC Fire School	3921-C	5,000	JP-5	Y
NAS Pensacola	NATTC Fire School	3921-D	5,000	JP-5	Y
NAS Pensacola	NATTC Fire School	3921-E	5,000	JP-5	Y
NTTC Corry Station	504	4110	26,700	#2 Diesel Fuel	Y
NTTC Corry Station	504	4111	26,700	#2 Diesel Fuel	Y
NTTC Corry Station	504	4112	26,000	#2 Diesel Fuel	Y
NTTC Corry Station	2230	4105	5,300	Mineral Acid	Y
NTTC Corry Station	2230	4106	4,400	Mineral Acid	Y
NTTC Corry Station	2230	4107	4,400	Mineral Acid	Y
NTTC Corry Station	2230	4108	5,800	Mineral Acid	Y
NTTC Corry Station	NA	1064-A	3,000	Gas	Y

ENVIRONMENTAL BASELINE SURVEY  
 NATURAL GAS UTILITY SYSTEMS PRIVATIZATION  
 NAVAL AIR STATION, PENSACOLA, FLORIDA

Location	Building Number/Name	Tank ID #	Capacity (gal)	Contents	Within Subject Property (Y/N)
NTTC Corry Station	NA	1064-B	560	Diesel Fuel	Y
NTTC Corry Station	NEX Gas Station	3778-E	10,000	Gas	Y
NTTC Corry Station	NEX Gas Station	3778-F	10,000	Gas	Y
NTTC Corry Station	NEX Gas Station	3778-G	20,000	Gas	Y
NTTC Corry Station	NEX Gas Station	3778-H	1,000	Waste Oil	Y
NTTC Corry Station	3783	3783-A	5,000	Diesel Fuel	Y
NTTC Corry Station	501	3744-A	800	Diesel Fuel	Y
NTTC Corry Station	Navy Hospital	2270-A	20,000	#2 Diesel Fuel	Y
NTTC Corry Station	Navy Hospital	2270-B	20,000	#2 Diesel Fuel	Y
NTTC Corry Station	Navy Hospital	2271-A	144,000	#2 Diesel Fuel	Y
Saufley Field	804	804-A	20,000	#2 Diesel Fuel	Y
Saufley Field	804	804-B	20,000	#2 Diesel Fuel	Y
Saufley Field	2434	2434	560	Diesel Fuel	Y
Saufley Field	MO-Gas	2418-A	4,000	Gas	Unknown
Saufley Field	MO-Gas	807-E	3,000	Diesel Fuel	Unknown

At the time of PRI's field assessment, the observed ASTs appeared to be well maintained and secured, with no visible evidence of leakage. Therefore, the existing ASTs are not considered to represent an environmental concern to the subject property or the associated realty at this time.

***Underground Storage Tanks***

At the time of PRI's site visit, no active USTs were observed or reported at NTTC Corry Station and Saufley Field. Table 5-2 lists the active USTs at NAS Pensacola.

**Table 5-2  
 Underground Storage Tank List**

Location	Building Number/Name	Tank ID #	Capacity (gal)	Contents	Within Subject Property (Y/N)
NAS Pensacola	NEX Gas Station	470-A	10,000	Diesel Fuel	Y
NAS Pensacola	NEX Gas Station	470-B	10,000	Gas	Y
NAS Pensacola	NEX Gas Station	470-C	10,000	Gas	Y
NAS Pensacola	NEX Gas Station	470-D	10,000	Gas	Y

No documented evidence of leaks or spills from the remaining USTs at NAS Pensacola was found during this EBS. Therefore, these USTs are not considered to represent an environmental concern to the subject property or the associated realty at this time.

***Oil/Water Separators***

Based on a review of the Oil/Water Separator Location Map, Naval Facilities Drawing Number 5013624, there appears to be 17 oil/water separators (OWSs) located at NAS Pensacola. Interviews with NAS Pensacola Environmental Department personnel, as well as a review of the available documentation, indicated that no OWSs are located at NTTC Corry Station and Saufley Field. The OWSs identified at NAS Pensacola appear to be located within the boundaries of the subject property. No hazardous material leaks or spills were reported from the OWSs.

Based on visual observations and environmental records reviewed to date, the existing ASTs, USTs, and OWSs are not anticipated to have an adverse impact on the environmental integrity of the subject property or the associated realty. However, during UST removal activities, soil and/or groundwater contamination was reported at six locations at NAS Pensacola, one location at NTTC Corry Station, and one location at Saufley Field within the associated realty. Consequently, there may be impacts in the future from the existing USTs.

**5.4 Environmental Restoration**

Thirty-nine Installation Restoration (IR) sites have been identified at NAS Pensacola. Sixteen of the 39 IR sites received “No Further Action” (NFA) letters from the FDEP. (See Appendix C Supporting Documents). The remaining 23 active IR sites appear to be located within the boundaries of the subject property and are identified below. It should be noted that no IR sites (active or closed) are located at NTTC Corry Station or Saufley Field.

Site 1	Inactive Landfill
Site 2	Southeast Waterfront Sediment Area
Site 8	Rifle Range Disposal Area
Site 11	North Chevalier Field Disposal Area
Site 12	Scrap Bins
Site 15	Pesticide Rinsate Disposal Area
Site 24	DDT Mixing Area
Site 25	Radium Spill Area
Site 26	Supply Department Outside Storage
Site 27	Former Radium Dial Shop
Site 30	Buildings 648, 649, 755 and Industrial Sewer Line
Site 31	Soil North of Building 648
Site 32	Sludge Drying Beds
Site 33	Wastewater Treatment Pond
Site 34	Solvent Leak North of Building 3557
Site 35	Miscellaneous Industrial Wastewater Treatment Plant Solid Waste Management Units
Site 38	Buildings 49, 71, 72, 104, 604 and Associated Industrial Sewer Lines
Site 40	Bayou Grande
Site 41	NAS Pensacola Wetlands
Site 43	Buried Drum Site
Site 44	Building 3221 Solvent Site
Site 45	Building 603 Lead Site
Site 46	Former Building 72

These 23 active IR Sites are discussed in detail below:

#### **IR Site 1 (Inactive Landfill)**

From the early 1950s until 1976 IR Site 1 was utilized as a landfill for disposal of solid and industrial waste generated by NAS Pensacola, as well as DoN installations. During that time, the site received wastes that included solvents, polychlorinated biphenyls (PCBs), plating solutions, pesticides, oils, paints, mercury, medical waste, and pressurized cylinders. Asbestos is also reported to have been disposed of at the site. This site is undergoing an active remediation phase to treat the groundwater.

#### **IR Site 2 (Southeast Waterfront Sediment Area)**

IR Site 2 is located on the southeastern shore of NAS Pensacola, along the Pensacola Bay waterfront. IR Site 2 contains an area of sediment near the shore where there are many sewer outfalls. Documented quantities of industrial and hazardous waste were discharged to the Pensacola Bay by storm sewers for more than 35 years. These industrial hazardous wastes included solvents, cyanide, and heavy metals. Fish kills were not uncommon in this area during the 1940s, 1950s, and 1960s. In 1973, the industrial waste stream was diverted to the Industrial Wastewater Treatment Plant (IWTP). According the NAS Pensacola IR Program Manager, a Record of Decision (ROD), recommending NFA status, is scheduled for Fall 2004.

#### **IR Site 8 (Rifle Range Disposal Area)**

From 1951 to 1955, IR Site 8 was reportedly used for burning and burial of solid waste (primarily paper) generated by NAS Pensacola. In the 1950s and 1960s, a rifle range was located where Building 3561 is today. Dry refuse was reportedly placed into a trench measuring 12 feet wide by 50 feet long by 7 feet deep. The refuse was then burned overnight. Building 3561 and the paved area around the building currently cover most of the area. Construction personnel did not encounter refuse while constructing Building 3561. An interim removal action has been completed for this site, and additional investigation is ongoing.

#### **IR Site 11 (North Chevalier Field Disposal Area)**

IR Site 11 occupies 18 acres of land next to the Bayou Grande, north of Chevalier Field (also known as the Yacht Basin). From the late 1930s to the mid 1940s, IR Site 11 was a low, swampy area where industrial wastes were disposed. Reportedly, disposed industrial wastes included wastes from aircraft engine overhauls, waste oil, lumber and other ignitable materials. Additional data are being collected to further characterize the contamination.

#### **IR Site 12 (Scrap Bins)**

IR Site 12 consists of a large concrete pad enclosed by fencing, where heavy equipment is stored. From the early 1930s to the mid 1940s, solid waste generated by NAS Pensacola were placed in scrap bins and stored at this site. About two truckloads per day of wet garbage were stored at the site before being hauled off for livestock feed. There is no evidence of hazardous material disposal at this site. According the NAS Pensacola IR Program Manager, a ROD was completed for this site, resulting in a NFA decision. The appropriate documentation, indicating the NFA status, was not provided to PRI.

#### **IR Site 15 (Pesticide Rinsate Disposal Area)**

IR Site 15 is in the golf course maintenance area, near Bayou Grande. From 1964 to 1979, it was used as a disposal area for water used to clean pesticide equipment. It includes a septic tank and drain field system. The amount of rinse water disposed at this site is unknown. According the NAS Pensacola IR Program Manager, a ROD was completed for this site, resulting in a NFA decision. The appropriate documentation, indicating the NFA status, was not provided to PRI.

#### **IR Site 24 (Dichlorodiphenyltrichloroethane [DDT] Mixing Area)**

From the early 1950s to the early 1960s, IR Site 24 was used to mix dichlorodiphenyltrichloroethane (DDT) with diesel fuel for mosquito control. DDT was spilled in the mixing area when it was moved from drums to spray tanks. The unintentional spillage of DDT concentrate may have contaminated site soil and/or groundwater at the site. According to the NAS Pensacola IR Program Manager, a ROD is scheduled for the Fall 2004.

**IR Site 25 (Radium Spill Area)**

IR Site 25, a reported radium spill area, is paved with concrete and is located east of the radium removal building (Building 780). Building 780 was the location of removal operations for radium dials and other equipment. The equipment was decontaminated here before being repainted in the radium dial shop. In 1978, a spill reportedly occurred on the concrete-paved area when a rusted drum broke open, spilling approximately 25 gallons of radioactive waste. The spill was reported to have been cleaned up properly. Additional data are being collected to further characterize the contamination.

**IR Site 26 (Supply Department Outside Storage)**

From 1956 until 1964, IR Site 26 was used by the NAS Pensacola Supply Department for outside storage of industrial materials, including paint strippers and acids. Incoming containers were placed on steel matting where industrial chemicals sometimes leaked onto the soil. Additional data are being collected to further define the contamination.

**IR Site 27 (Former Radium Dial Shop)**

From the 1940s to 1976, IR Site 27 (Building 709/former Radium Dial Shop) was used to rework instrument dials painted with radium-containing paint. Used cleaning solutions and luminous paint were routinely poured into the sanitary sewer system. In 1976, the building was torn down and the drainpipe was identified as having radiation concentrations above background levels. The drainpipe was removed to a depth of 18 inches bgs. The remaining underground portion of the pipe was capped and covered with concrete. Additional data are being collected to further define the contamination.

**IR Site 30 and 31 (Buildings 648, 649, 755, and Industrial Sewer Line)**

IR Site 30 presently consists of Buildings 649, 755, and a nearby wetland area. Building 649 housed a tin/cadmium plating shop with 15 tanks, ranging in size from 200 to 500 gallons. These tanks, along with a 250-gallon tank of trichloroethylene (TCE), were emptied routinely into a ditch leading to a creek that drains into Bayou Grande. Acids, caustics, degreasers, and chromatic solutions were also emptied into the ditch. After 20 years, this operation was replaced with a magnesium treatment line. The magnesium treatment line operated for 10 years.

Fifty tanks in Building 755 were used for 10 years for plating nickel, lead, tin, chromium, and other metals. These tanks, ranging from 50 to 200 gallons in size, were drained occasionally into the ditch identified above. On October 14, 1992, the Petroleum Program transferred Tanks 647E, 647N, 649N and 649W to the IR Program.

IR Site 31 is located north of Building 648. The building has been used for painting operations since 1949. For approximately 15 years, waste paint, thinner, and paint sludge were poured onto the ground north of Building 648. On October 14, 1992, the Petroleum Program transferred the ground north of Building 648 (impacted soil area) and Tank 648N to the IR Program. Since then, IR Site 31 has been combined into IR Site 30.

### **IR Site 32 (Industrial Wastewater Treatment Plant/Sludge Drying Beds)**

IR Site 32 consists of three main structures: a sedimentation tank, sludge drying beds, and a chlorine contact chamber. The three structures were the subject of a removal action that began in September 1994. From 1971 to 1984, IR Site 32 operated as contiguous drying bed units with the IWTP. Listed hazardous waste sludge, from the IWTP Surge/Wastewater Treatment Pond (IR Site 33, discussed further in this section) was disposed at this site, and as a result, underwent RCRA closure in 1989. Contents of the drying beds (remaining sludge and leachate drainage system), and an underlying layer of sand were removed to about 6 feet bgs. The material was disposed as a hazardous waste. The site was then backfilled with clean sand, and capped with high-density asphalt. Groundwater at the site will continue to be monitored as part of the IR Program.

An abandoned wastewater treatment plant, north of the current IWTP, was grouped with IR Site 32 because of similar past activities and materials. This plant treated sanitary sewer wastes from 1941 to 1971. While the system was designed for sanitary sewage, industrial wastes from the plating operation in Building 649, may have been disposed through this plant. According to the the NAS Pensacola IR Program Manager, IR Site 32 was transferred to the RCRA Program in 2003.

### **IR Site 33 (Wastewater Treatment Pond)**

In IR Site 33, the wastewater treatment surface ponds include the domestic polishing pond, phenol/stabilization pond, and industrial surge pond. In 1987, the USEPA RCRA Compliance Branch determined that the polishing and stabilization ponds received listed hazardous waste from the industrial surge pond. These ponds were subsequently taken out of service. In 1988 to 1989, the ponds underwent RCRA permitted "clean closures". The industrial surge pond was taken out of service and underwent closure in 1989. The industrial surge pond is suspected of being the prime contributor to the IWTP groundwater contamination. The industrial surge pond was excavated to about 6 feet bgs. The material removed was disposed of as a hazardous waste. The treatment pond's groundwater will continue to be monitored under the IR Program.

### **IR Site 34 (Solvent Leak North of Building 3557)**

During May 1984, a pipeline in IR Site 34, at the north end of Building 3557, reportedly leaked a solvent detergent solution used to clean aircraft. The solution contained 1.7 percent chlorinated solvents. Site soil and groundwater may have been contaminated from the release. According to the NAS Pensacola IR Program Manager, a site screening investigation was completed resulting in a NFA decision. The appropriate documentation, indicating the NFA status, was not provided to PRI.

### **IR Site 35 (Miscellaneous IWTP Solid Waste Management Units)**

In addition to IR Sites 32 and 33, IR Site 35 or "miscellaneous units" in the IWTP may receive hazardous waste. These units, consisting of mainly ASTs, will be investigated for possible releases. These tanks, as well as the oil-sludge USTs, and underground piping next to the Solid Waste Management Units (SWMUs), require visual inspection

for leaks, cracks, or other evidence of a release. The following units are included as IWTP area SWMUs: industrial grit chamber, primary clarifier, OWS, oil storage tanks, sludge thickener, aeration tank, aerobic sludge digester and ancillary piping, pumps, and junctions boxes.

**IR Site 38 (Buildings 49, 71, 72, 104, 604, and Associated Industrial Sewer Lines)**

Between 1935 and 1970, aircraft painting and paint stripping materials were used in Buildings 49 and 72 at NAS Pensacola. Ten 550-gallon ASTs in these buildings were formerly drained through underground lines to Pensacola Bay. The generated waste from these activities was stored in Building 71, and included paint strippers, ketones, and TCE (for parts cleaning). Analytical data from soil samples collected in Buildings 49, 71, and 72 identified elevated concentrations of paint strippers, ketones, and TCE. Additionally, in the preliminary assessment report, cyanide spill was identified in the area of Building 71, and 104, as well as the presence of cyanide in the nearby bay water.

Waste from various types of operations entered the industrial sewer line without any pretreatment or segregation. Thus, the waste streams may have consisted of all wastes generated from activities in the NAS Pensacola buildings, such as paint strippers, heavy metals, pesticides, fuels, cyanide wastes (before 1962), solvents, and waste oils.

From 1972 until 1995, Building 604 contained two primary types of operations: metalworking and plating. Metalworking activities included machine tooling, sheet metal forming, welding, and inspection, which were phased out during the summer of 1995. However, the plating operations continued. Building 604 was expanded in 1972, to include additional plating operations from the site of a previous plating shop. The previous shop (Building 29/604A) operated three cadmium-plating lines between approximately 1960 and 1968, when it was demolished. Current plating operation is larger than the previous one, and contains about 30 plating process tanks, ranging in size from 40 to 2,000 gallons. Before 1973, wastes (except cyanide) from Buildings 604 and 29 were pumped into Pensacola Bay. After 1973, contents of the tanks were piped into the industrial waste sewer line that discharges into the IWTP. Cyanide was pumped into tank trucks and disposed off the base. In 1972, a cyanide pretreatment facility was installed to treat wastewaters, containing cyanide, before discharged to the sewer line. Monitored natural attenuation has been recommended as the appropriate remedial action.

**IR Site 40 (Bayou Grande)**

Bayou Grande is an estuarine water body which is connected to Pensacola Bay and lies adjacent to the northern boundary of NAS Pensacola. Northern and central parts of NAS Pensacola drain into Bayou Grande, as well as western portions of the City of Pensacola.

During contamination assessment investigations, total recoverable petroleum hydrocarbons (TRPHs), metals, polynuclear aromatic hydrocarbons (PAHs), and

phenols were detected in sediment samples taken near the shore of Bayou Grande. Metals were also detected in surface water samples taken near the shore of Bayou Grande. Additional data have been collected to determine whether a NFA is appropriate. According the NAS Pensacola IR Program Manager, a ROD is scheduled for Fall 2004.

**IR Site 41 (NAS Pensacola Wetlands)**

IR Site 41 consists of several wetlands across NAS Pensacola. A US EPA inventory of wetlands identified and assigned numbers to 79 wetland complexes on NAS Pensacola. Two additional wetlands were identified during ecological surveys for a total of 81 wetlands. Freshwater, brackish water ponds, and drainage ditches were also included as wetlands in the US EPA study. The majority of the wetland area is located in the western portion of the installation, primarily south and west of Sherman Field. About a third of the 81 wetlands are located east of Sherman Field, where many of the IR sites are located. These small and remnant wetlands are areas where contamination could potentially collect. Contamination was detected in all eight wetlands that have been sampled during contamination assessments. Pathways of contaminate migration will reportedly be delineated to identify which wetlands will be studied further. According the NAS Pensacola IR Program Manager, the total number of identified wetlands was reduced to nine, based on a policy set by the Chief of Naval Operations, dated February 8, 2002.

**IR Site 43 (Buried Drum Site)**

IR Site 43 consists of a buried drum site that contained 14 drums and other debris, buried in an area near the southwest corner of Murray and Taylor roads. The area (approximately 200 feet by 200 feet) was identified when two partially buried drums were exposed. The area was fenced off in January 1994. A review of the Site Characterization Report, dated January 2004, indicates that surface soil samples collected at the site contain benzo(a)pyrene and nine metals (antimony, arsenic, barium, copper, iron, zinc, lead, nickel, and vanadium) at concentrations exceeding the FDEP residential direct exposure limits (DELs) and NAS Pensacola background concentrations. Groundwater at the site contains concentrations of methylene chloride and two metals (aluminum and iron) at concentrations exceeding FDEP groundwater criteria.

**IR Site 44 (Building 3221 Solvent Site)**

IR Site 44 consists of a solvent impacted area near an active hanger (Building 3221) on Forest Sherman Field. IR Site 44 was transferred from the Florida Petroleum Program to IR Program because during a subsurface investigation related to petroleum release from a UST, chlorinated solvents were detected. The hanger is currently used by NAS Pensacola Aerospace Museum for aircraft restoration. Sampling is under way to assess whether contamination is present. According the NAS Pensacola IR Program Manager, investigation of IR Site 44 is scheduled for fiscal year 2004.

**IR Site 45 (Building 603 Lead Site)**

IR Site 45 consists of an area with high lead contamination near Building 603. Lead in the soil, near Building 603, was discovered during the investigation of IR Site 18 at NAS Pensacola. Lead concentrations increased at sample locations farther away from IR Site 18 [a polychlorinated biphenyl (PCB) spill area]. IR Site 18 is not located at or immediately adjacent to the subject property. The source of the lead contamination is not known and does not appear to be associated with the IR Site. According to the NAS Pensacola IR Program Manager, investigation of IR Site 45 is scheduled for fiscal year 2004.

**IR Site 46 (Former Building 72)**

IR Site 46 was discovered during the investigation of IR Site 38 (Building 71 sewer line), when high concentrations of metals were detected in soil in the area adjacent to IR Site 38. According to the NAS Pensacola IR Program Manager, investigation of IR Site 46 is scheduled for fiscal year 2004.

Based on PRI's review of available documentation, it is unclear whether the above-listed IR sites have had a significant adverse impact on the environmental integrity of the subject property or the associated realty. However, because these sites have been identified as contaminated and the appropriate closure has not been obtained, it appears that the contamination could impact the environmental integrity of the subject property or the associated realty.

**5.5 Solid / Biohazardous Waste**

Solid waste accumulation, at NAS Pensacola, NTTCC Corry Station, and Saufley Field, is limited to paper and plastic generated in the offices, and household items generated in the housing areas. The solid waste is collected and removed from the three bases by an outside contractor. No evidence of illegal dumping of hazardous materials or hazardous waste was observed in the trash bins during PRI's visit. Therefore, the generated solid waste at NAS Pensacola, NTTCC Corry Station, and Saufley Field does not represent an environmental concern to the associated realty.

A small quantity of biohazardous waste is generated and stored at the medical clinic facility (Building 3600) at NAS Pensacola. According to personnel at NAS Pensacola medical clinic, the biohazardous waste is transported to Naval Hospital at NTTCC Corry Station, where it is incinerated. No biohazardous waste is generated at Saufley Field.

Due to the indoor storage location, as well as proper removal and disposal of medical waste, the probability of adverse impact to the subject property or the associated realty from biohazardous waste is unlikely. No additional action or investigation appears warranted at this time.

## **5.6 Polychlorinated Biphenyl Compliance**

PCBs are potentially toxic substances that are commonly found in electrical transformers. The commercial use of PCBs has been banned in United States since 1979.

According to NAS Pensacola Public Works staff, a base-wide program to identify PCB-containing transformers and oil switches was completed in the mid 1990s. This program included testing existing transformers and oil switches for PCBs, and retro-filling identified PCB-containing transformers with non-PCB insulating fluid.

Documentation for individual transformers and laboratory test results was not available at the NAS Pensacola Environmental or Public Works Department. Originally, the program to eliminate PCBs throughout the base was managed through the NAS Pensacola Public Works Department. However, during the Base Realignment process, the PCB program was transferred to the NAS Pensacola Environmental Department. According to personnel in the Public Works and Environmental Departments, the files that would have confirmed the results of PCB sampling and removal of PCB-insulating fluid were either destroyed or lost during the transfer. In addition, documentation confirming the removal of PCB-containing transformers and oil switches from NTTC Corry Station and Saufley Field was unavailable during PRI's site visit.

It should be also noted that the NAS Pensacola Electrical Commodity Manager (ECM) stated that a single electrical transformer at substation 98 (located adjacent to Building 1857 and within the associated realty) contains PCB-insulating fluid. At the time of PRI's site visit the transformer appeared to be in good condition with no evidence of leaks.

During PRI's site visit, several leaking transformers were observed to be stored in the "pole yard" (IR Site 17), located at NAS Pensacola. The transformers were situated on a wood pallet, and appeared to have leaked onto the soil. An interview with the NAS Pensacola ECM indicated that the PCB contents of the leaking transformers could not be determined without proper testing. A review of the natural gas utility distribution map indicates that the "pole yard" is located within the associated realty.

Based on information obtained from interviews with NAS Pensacola personnel and the available environmental records, the majority of PCB-containing transformers and oil switches at NAS Pensacola and the outlying fields appears to have been either retro-filled or removed from service. However, the transformer located at substation 98 was reported by the NAS Pensacola ECM to contain PCBs. Additionally, oil-leaking transformers, suspected to contain PCBs, were observed in the "pole yard." Due to the lack of information indicating that NAS Pensacola, NTTC Corry Station, and Saufley Field are PCB-free facilities, it appears likely that PCBs may be an environmental concern at the associated realty.

### **5.7 Asbestos-Containing Material**

The steel pipe natural gas distribution system was installed at NAS Pensacola in the 1940s, with extensions for Corry Station Housing (early 1950s) and the Naval Hospital (1960s). Over the years, some of the steel pipes have been replaced with polyvinyl chloride (PVC) pipe.

Based on conversations with Environmental Department personnel, none of the natural gas distribution systems at NAS Pensacola, NTTC Corry Station, and Saufley Field are wrapped in insulation. Therefore, it appears unlikely that asbestos-containing material (ACM) will be an environmental concern at the subject property.

### **5.8 Lead-Based Paint**

Because the natural gas systems were constructed prior to 1979, it is likely that some painted surfaces at the subject property contain lead.

According to the Environmental Department personnel, none of the underground piping is painted. At the time of PRI's site visit, the painted valves, valve/meter pits, and portions of the pipe extruding into the surface at the subject property, appeared to be in good condition with no visible evidence of cracking or peeling. Based on interviews and a review of available environmental records, no lead-based paint (LBP) surveys have been performed for the subject property. Therefore, it is likely that LBP is present at the subject property.

### **5.9 Pesticides and Herbicides**

Based on an interview with the NAS Pensacola Pest Control personnel, vegetated areas are sprayed with commercially available pesticides and herbicides, as needed. At the time of PRI's site visit, the pesticides and herbicides were stored in Building 1538 at NAS Pensacola. Building 1538 (pesticide/herbicide chemical storage building) is located within the boundaries of the subject property. Based on a review of the natural gas utility location maps, it appears that the areas of pesticide application overlap with the subject property. Due to the limited use, low mobility of contaminants, and indoor storage of these chemicals, there is a low probability of impact from pesticides and herbicides to the associated realty.

### **5.10 Other Environmental Concerns**

No other environmental concerns were observed during this EBS.

## **6.0 ADJACENT PROPERTIES**

The land, immediately surrounding the subject property, is within the boundaries of NAS Pensacola, NTTC Corry Station, and Saufley Field. Adjoining landowners to NAS Pensacola, NTTC Corry Station, and Saufley Field are primarily non-industrial private owners. Their properties consist of vacant land, forestland, and a scattering of residential parcels, which do not appear to present an environmental concern to the subject property or the associated realty at this time.

## 7.0 PROPERTY ASSESSMENT

The following section summarizes the areas of RECs identified during the EBS.

### **Petroleum Contamination**

PRI's review of the available environmental records indicates that the following eight petroleum contamination sites were identified within the boundaries of the subject property at NAS Pensacola, NTTC Corry Station, and Saufley Field:

#### ***NAS Pensacola***

Underground Storage Tank, Site 14

Allegheny Pier (Pier 303), Site 20

Underground Storage Tank, Site 21

Underground Storage Tank, Site 000025 (Building 1932 "Touch-N-Go" Service Station)

#### ***NTTC Corry Station***

Area 1, Suspected Landfill

Area 2, Aircraft Refueling System

Area 3, Free Product Area

#### ***Saufley Field***

Underground Storage Tank, Site 2406.

Based on PRI's review of the available environmental records, it appears that the abovementioned petroleum contaminated sites are within the associated realty. No additional information was available that documented the remediation and/or closure of the petroleum contaminated sites. Because these eight sites have been identified as contaminated and the appropriate closure has not been obtained, it appears that the contamination could impact the environmental integrity of the subject property or the associated realty.

### **Environmental Restoration**

Thirty-nine IR sites have been identified at NAS Pensacola. Sixteen of the 39 IR sites received NFA letters from the FDEP. The remaining 23 active IR sites appear to be located within the associated realty. It should be noted that there are no IR sites (active or closed) located at NTTC Corry Station or Saufley Field.

Based on PRI's review of available documentation, it is unclear if the IR sites have had a significant adverse impact on the environmental integrity of the associated realty. However, because these sites have been identified as contaminated and the appropriate closure has not been obtained, it appears that the contamination could impact the environmental integrity of the subject property and the associated realty.

### **Polychlorinated Biphenyl Compliance**

According to NAS Pensacola Public Works staff, a base-wide program to identify PCB containing transformers and oil switches was completed in the mid 1990s.

Documentation for individual transformers and laboratory test results was not available at the NAS Pensacola Environmental or Public Works Department.

In addition, the NAS Pensacola ECM stated that a single electrical transformer at substation 98 (located adjacent to Building 1857) contains PCB-insulating fluid. This transformer is located within the boundaries of the subject property. At the time of PRI's site visit the transformer appeared to be in good condition with no evidence of leaks.

Additionally, several transformers were stored in the "pole yard" (IR Site 17) located at NAS Pensacola. The transformers were situated on a wood pallet, and appeared to have leaked onto the soil. An interview with the NAS Pensacola ECM indicated that the contents of the leaking transformers were unknown and could not be determined without proper testing. A review of the natural gas utility distribution map indicates that the "pole yard" is located within the associated realty.

### ***Wetlands***

Based on a review of the INRMP, a 1997 wetland delineation study reportedly identified 99 wetland areas, comprising approximately 650-acres, were reportedly identified at NAS Pensacola. The major wetland areas were identified along the southern and western edges of NAS Pensacola. Comparing the wetlands map in the INRMP to the subject property boundaries, it appears that portions of the associated realty encroach upon wetland areas.

### ***Endangered/Threatened Species***

According to the INRMP, at least 15 rare plant species, 21 rare vertebrate species, and 12 natural communities occur at NAS Pensacola and Saufley Field. The FNAI performed a rare plant, rare vertebrate and natural communities survey at NAS Pensacola and Saufley Field. FNAI did not conduct surveys at NTTCC Corry Station due to the extensive development of this property.

Based on PRI's review of the NAS Pensacola INRMP, it appears likely that state and federally-listed plant and vertebrate species occur within the boundaries of the associated realty at NAS Pensacola and Saufley Field.

### ***Cultural Resources***

Based on a review of the NAS Pensacola ICRMP, dated October 2002, it appears that NAS Pensacola contains one historic district that is considered an NHL. According to the ICRMP, the NHL contains 64 resources, which contribute to this historic district. The majority of the resources appear to be within the associated realty.

In addition, NAS Pensacola has five historic districts (not classified as NHLs) with a total of 110 contributing resources. The five historic districts are identified as Annapolis of the Air Historic District, Naval Hospital Historic District, Billingsley Drive/Cabaniss Crescent Historic District, Chevalier Field Hangars Historic District, and Fort Barrancas Cantonment Historic District. The majority of the resources, which contribute to the five historic districts, appear to be within the associated realty.

NTTC Corry Station and Saufley Field also have historic districts. Reportedly, NTTC Corry Station historic district is comprised of buildings numbered in the 500 series, and Saufley Field historic district is comprised of buildings numbered in the 800 series. Comparing the reported building numbers to the electrical utility distribution map, the historic districts at NTTC Corry Station and Saufley Field appear to be within the associated realty.

***Archeological Resources***

Based on an interview with the NAS Pensacola Archeological and Cultural Resource Program Manager, as well as a review of the ICRMP, 53 archeological sites are located at NAS Pensacola. No archeological sites were reported at NTTC Corry Station or Saufley Field. Due to security reasons, an archeological resources map was not available for review by PRI. However, according to the NAS Pensacola Archeological and Cultural Resources Manager, some of the archeological sites at NAS Pensacola are within the associated realty.

## 8.0 CERTIFICATION

This report describes the pertinent information obtained during the EBS assessment. The findings presented in this EBSR are relative to the dates of PRI's survey in 2004 and should not be relied upon to represent conditions at substantially later dates. PRI's observations reflect site conditions as of the latest survey visit to particular areas of the subject property and the associated realty, and should not be construed as representing previous or future site conditions. Any opinions included herein are based on the information obtained during this survey and PRI's experience with similar surveys. Although this survey has attempted to identify the potential for environmental impacts to the subject property and the associated realty resulting from possible contamination, sources may have escaped detection due to: 1) the limited scope of this assessment; 2) the inaccuracy of public records; 3) the presence of undetected or unreported environmental incidents; or 4) other site and area specific factors. It has not been the purpose of this survey to determine the actual presence, degree, or extent of contamination, if any, at the site.

I certify that the property conditions stated in this report are based on a review of available records, visual inspections, and interviews as noted, and are true and correct, with the above qualifications, to the best of my knowledge and belief.

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Date

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Jeremiah D. Jackson, PhD, PE  
Program Manager  
Project Resources Inc.

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Date

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Mehdi Siavoshani  
Project Manager  
Project Resources Inc.

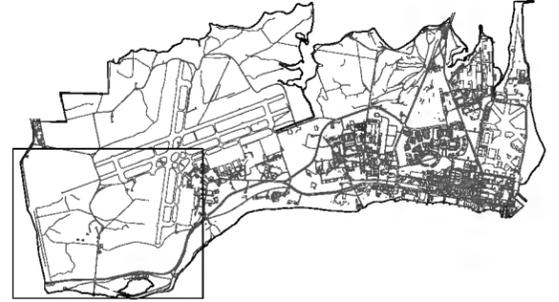
## ***APPENDIX A***

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Natural Gas Utility Distribution and IR Site Location Maps



DETAIL LOCATION MAP



**LEGEND**

IR SITES -- APPROXIMATE LOCATIONS

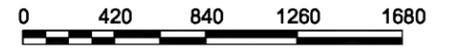
 IR SITES

- |  |   |
|--|---|
| 1 Inactive Landfill                    | 27 Former Radium Dial Shop                                  |
| 2 Southeast Waterfront                 | 28* Site of Transformer Accident                            |
| 3 Crash Crew Training Area             | 29* Soil South of Building 3460                             |
| 4* Army Rubble Disposal Area           | 30 Buildings 648, 649, 755 & Industrial Sewer Line          |
| 5* Borrow Pit                          | 32 Industrial Wastewater Treatment Plant Sludge Drying Beds |
| 6* Fort Redoubt Disposal Area          | 33 Wastewater Treatment Pond                                |
| 7* Firefighting School                 | 34 Solvent North of Building 3557                           |
| 8 Rifle Range Disposal Area            | 35 Misc. IWTP Solid Waste Management Units                  |
| 9* Navy Yard Disposal                  | 36* IWTP Sewer Line   |
| 10* Commodore's Pond                   | 38 Building 71, 604 & Associated Industrial Sewer Lines     |
| 11 North Chevalier Field Disposal Area | 39* Oak Grove Campground Site                               |
| 12 Scrap Bins                          | 40 Bayou Grande   |
| 13 Magazine Point Rubble Disposal Area | 41 NAS Pensacola Wetlands                                   |
| 14* Dredge Spoil Fill Area             | 42* Pensacola Bay   |
| 15 Pesticide Rinsate Disposal Area     | 43 Buried Drum Site   |
| 16* Brush Disposal Area                | 44 Building 3221 Solvent Site                               |
| 17 Transformer Storage Yard            | 45 Building 603 Lead Site                                   |
| 18 PCB Spill Area                      |   |
| 22 Refueler Repair Shop                |   |
| 24 DDT Mixing Area                     |   |
| 25 Radium Spill Area                   |   |
| 26 Supply Department Outside Storage   |   |

\* Indicates "No Further Action" Required

NATURAL GAS UTILITIES

-  GAS LINE & SIZE
-  GAS VALVE
-  VALVE OR METER PIT



GRAPHIC SCALE IN FEET

NAVAL AIR STATION  
PENSACOLA, FLORIDA

**NAS PENSACOLA  
NATURAL GAS DISTRIBUTION MAP  
AND IR SITE LOCATION MAP**

FIGURE	SIZE	DWG NO.	REV
<b>A-1</b>	<b>B</b>		
SCALE:	AS SHOWN	SHEET	1 of 6



**LEGEND**

IR SITES - APPROXIMATE LOCATIONS



IR SITES

- |  |   |
|--|---|
| 1 Inactive Landfill                    | 27 Former Radium Dial Shop                                  |
| 2 Southeast Waterfront                 | 28* Site of Transformer Accident                            |
| 3 Crash Crew Training Area             | 29* Soil South of Building 3460                             |
| 4* Army Rubble Disposal Area           | 30 Buildings 648, 649, 755 & Industrial Sewer Line          |
| 5* Borrow Pit                          | 32 Industrial Wastewater Treatment Plant Sludge Drying Beds |
| 6* Fort Redoubt Disposal Area          | 33 Wastewater Treatment Pond                                |
| 7* Firefighting School                 | 34 Solvent North of Building 3557                           |
| 8 Rifle Range Disposal Area            | 35 Misc. IWTP Solid Waste Management Units                  |
| 9* Navy Yard Disposal                  | 36* IWTP Sewer Line   |
| 10* Commodore's Pond                   | 38 Building 71, 604 & Associated Industrial Sewer Lines     |
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| 17 Transformer Storage Yard            | 45 Building 603 Lead Site                                   |
| 18 PCB Spill Area                      |   |
| 22 Refueler Repair Shop                |   |
| 24 DDT Mixing Area                     |   |
| 25 Radium Spill Area                   |   |
| 26 Supply Department Outside Storage   |   |

\* Indicates "No Further Action" Required

NATURAL GAS UTILITIES

- 2- GAS LINE & SIZE
- GAS VALVE
- VALVE OR METER PIT



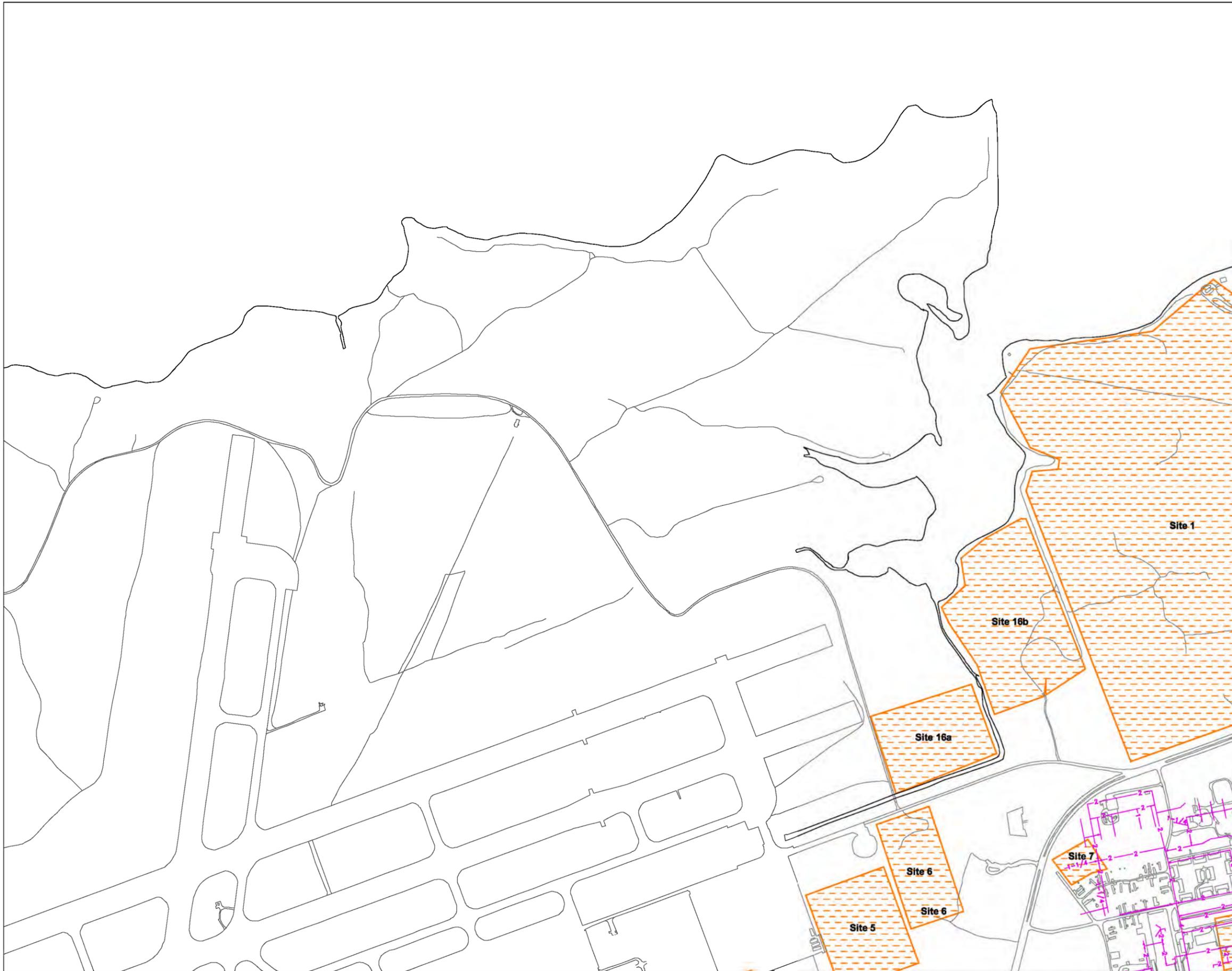
GRAPHIC SCALE IN FEET

NAVAL AIR STATION  
PENSACOLA, FLORIDA

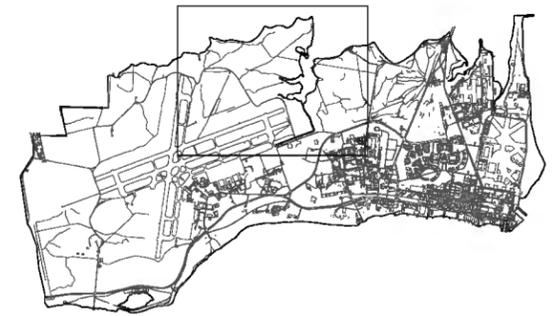
**NAS PENSACOLA  
NATURAL GAS DISTRIBUTION MAP  
AND IR SITE LOCATION MAP**

FIGURE <b>A-2</b>	SIZE B	DWG NO.	REV
	SCALE: AS SHOWN	SHEET 2 of 6	





DETAIL LOCATION MAP



LEGEND

IR SITES - APPROXIMATE LOCATIONS



IR SITES

- |  |   |
|--|---|
| 1 Inactive Landfill                    | 27 Former Radium Dial Shop                                  |
| 2 Southeast Waterfront                 | 28* Site of Transformer Accident                            |
| 3 Crash Crew Training Area             | 29* Soil South of Building 3460                             |
| 4* Army Rubble Disposal Area           | 30 Buildings 648, 649, 755 & Industrial Sewer Line          |
| 5* Borrow Pit                          | 32 Industrial Wastewater Treatment Plant Sludge Drying Beds |
| 6* Fort Redoubt Disposal Area          | 33 Wastewater Treatment Pond                                |
| 7* Firefighting School                 | 34 Solvent North of Building 3557                           |
| 8 Rifle Range Disposal Area            | 35 Misc. IWTP Solid Waste Management Units                  |
| 9* Navy Yard Disposal                  | 36* IWTP Sewer Line   |
| 10* Commodore's Pond                   | 38 Building 71, 604 & Associated Industrial Sewer Lines     |
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| 24 DDT Mixing Area                     |   |
| 25 Radium Spill Area                   |   |
| 26 Supply Department Outside Storage   |   |

\* Indicates "No Further Action" Required

NATURAL GAS UTILITIES

- 2- GAS LINE & SIZE
- GAS VALVE
- VALVE OR METER PIT

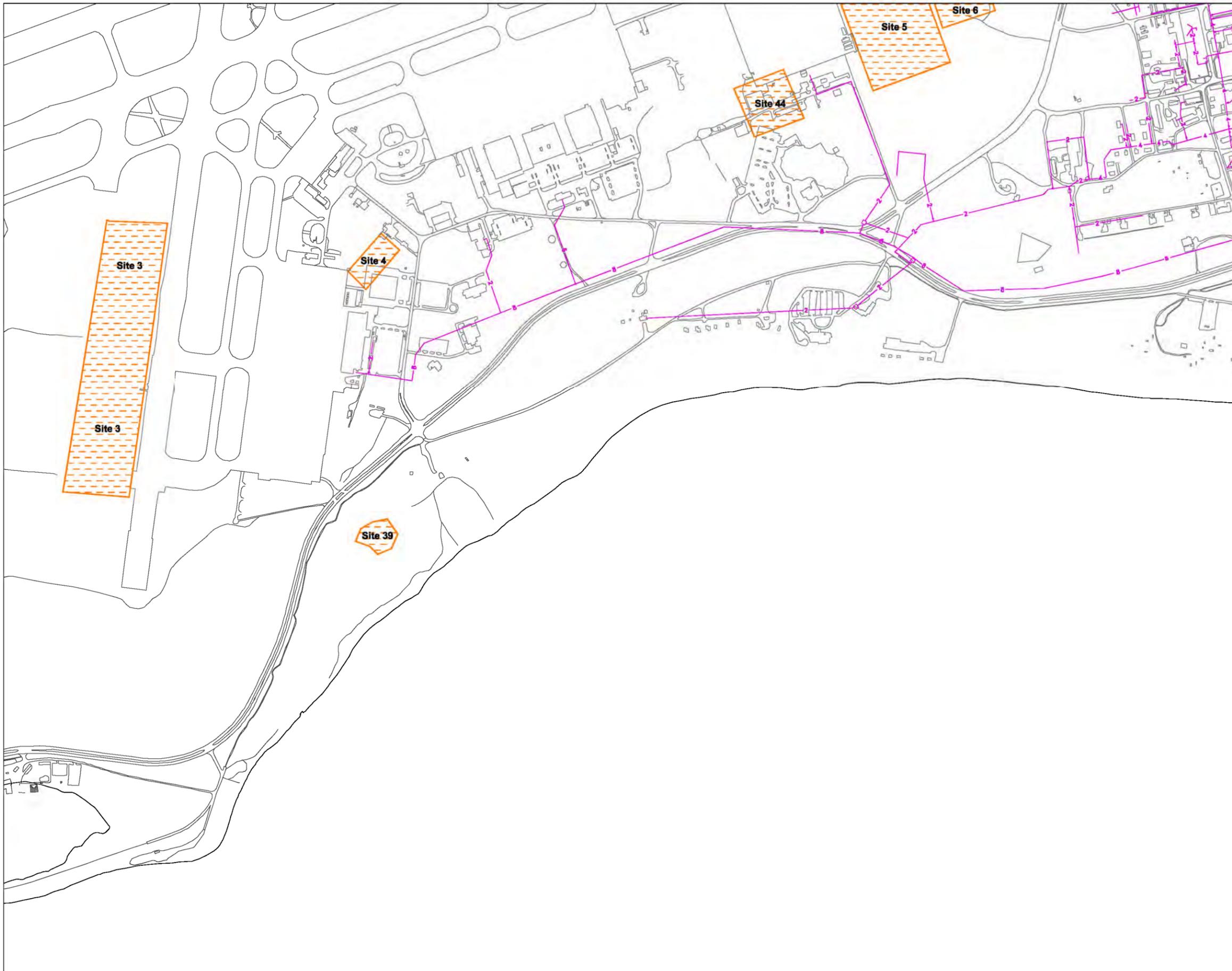


GRAPHIC SCALE IN FEET

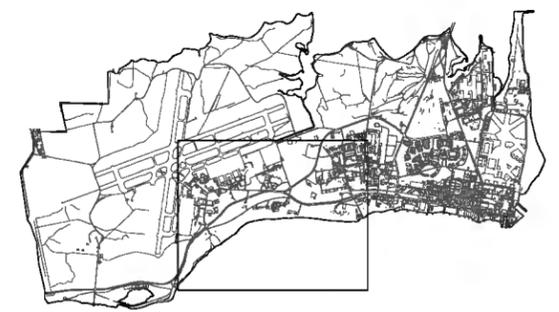
NAVAL AIR STATION  
PENSACOLA, FLORIDA

**NAS PENSACOLA  
NATURAL GAS DISTRIBUTION MAP  
AND IR SITE LOCATION MAP**

FIGURE <b>A-3</b>	SIZE B	DWG NO.	REV
	SCALE: AS SHOWN	SHEET 3 of 6	



DETAIL LOCATION MAP



**LEGEND**

IR SITES -- APPROXIMATE LOCATIONS



IR SITES

- |  |   |
|--|---|
| 1 Inactive Landfill                    | 27 Former Radium Dial Shop                                  |
| 2 Southeast Waterfront                 | 28* Site of Transformer Accident                            |
| 3 Crash Crew Training Area             | 29* Soil South of Building 3460                             |
| 4* Army Rubble Disposal Area           | 30 Buildings 648, 649, 755 & Industrial Sewer Line          |
| 5* Borrow Pit                          | 32 Industrial Wastewater Treatment Plant Sludge Drying Beds |
| 6* Fort Redoubt Disposal Area          | 33 Wastewater Treatment Pond                                |
| 7* Firefighting School                 | 34 Solvent North of Building 3557                           |
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| 18 PCB Spill Area                      |   |
| 22 Refueler Repair Shop                |   |
| 24 DDT Mixing Area                     |   |
| 25 Radium Spill Area                   |   |
| 26 Supply Department Outside Storage   |   |

\* Indicates "No Further Action" Required

NATURAL GAS UTILITIES

- GAS LINE & SIZE
- GAS VALVE
- VALVE OR METER PIT

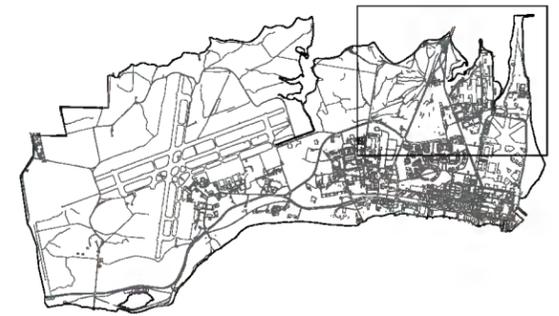


GRAPHIC SCALE IN FEET

NAVAL AIR STATION  
PENSACOLA, FLORIDA

**NAS PENSACOLA  
NATURAL GAS DISTRIBUTION MAP  
AND IR SITE LOCATION MAP**

FIGURE	SIZE	DWG NO.	REV
<b>A-4</b>	B		
SCALE:	AS SHOWN	SHEET	4 of 6



**LEGEND**

IR SITES - APPROXIMATE LOCATIONS

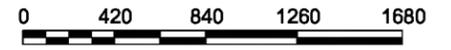


- |  |   |
|--|---|
| 1 Inactive Landfill                    | 27 Former Radium Dial Shop                                  |
| 2 Southeast Waterfront                 | 28* Site of Transformer Accident                            |
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| 22 Refueler Repair Shop                |   |
| 24 DDT Mixing Area                     |   |
| 25 Radium Spill Area                   |   |
| 26 Supply Department Outside Storage   |   |

\* Indicates "No Further Action" Required

NATURAL GAS UTILITIES

- 2- GAS LINE & SIZE
- GAS VALVE
- VALVE OR METER PIT

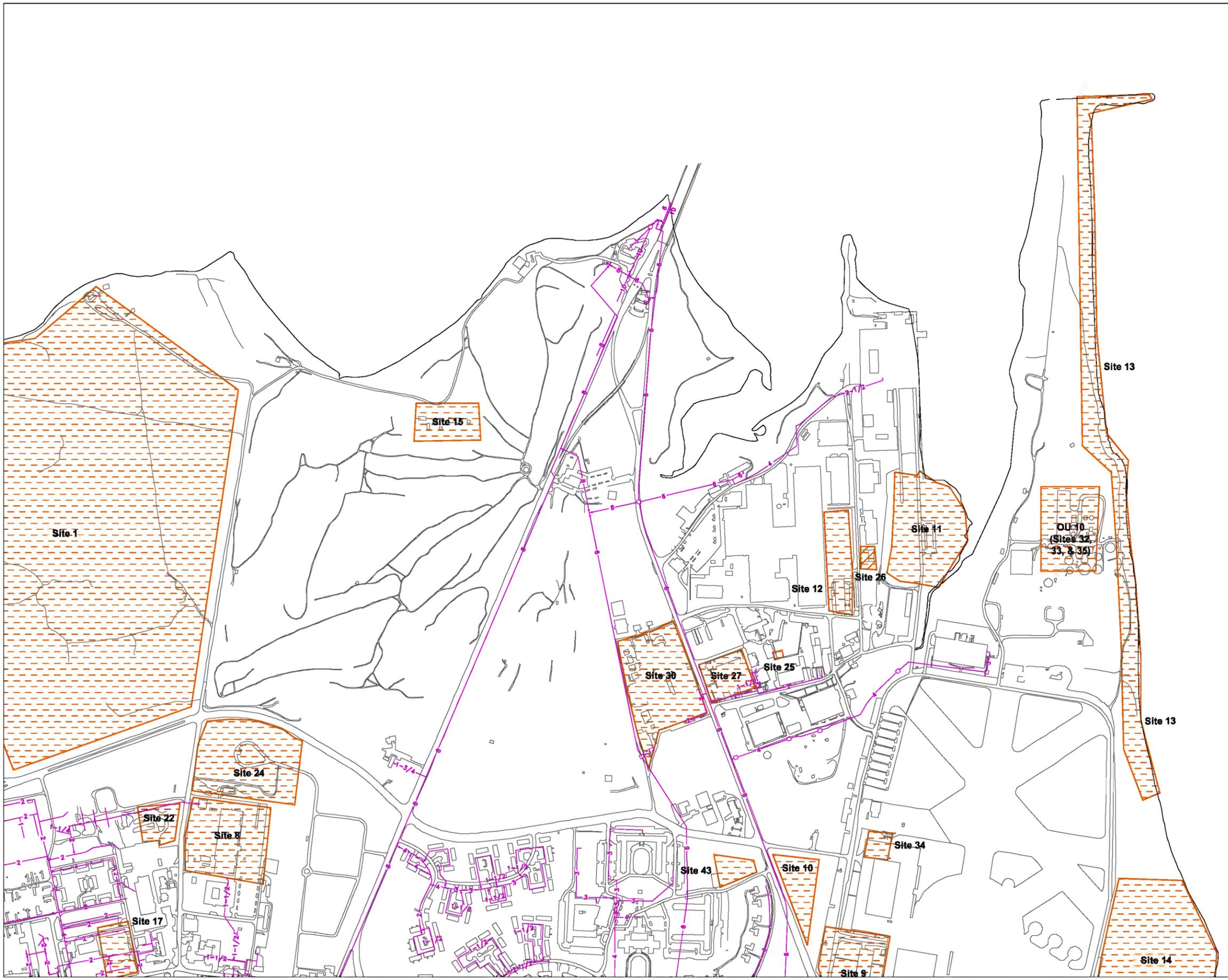


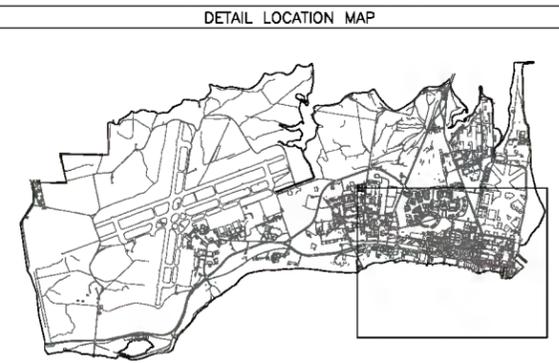
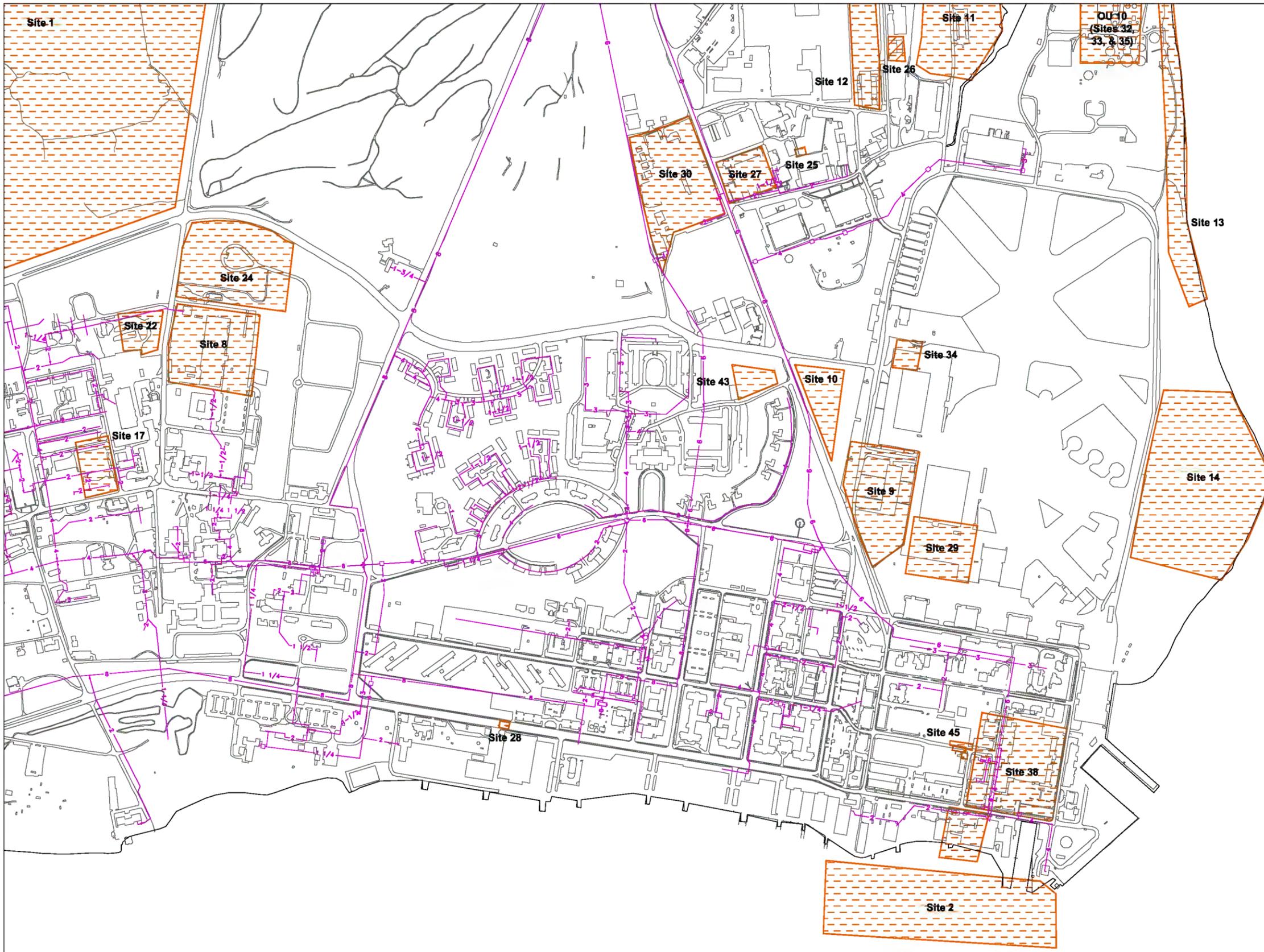
GRAPHIC SCALE IN FEET

NAVAL AIR STATION  
PENSACOLA, FLORIDA

**NAS PENSACOLA  
NATURAL GAS DISTRIBUTION MAP  
AND IR SITE LOCATION MAP**

FIGURE	SIZE	DWG. NO.	REV
<b>A-5</b>	B		
SCALE:	AS SHOWN	SHEET	5 of 6





**LEGEND**

IR SITES - APPROXIMATE LOCATIONS

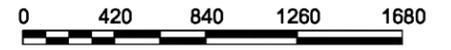
IR SITES

- |  |   |
|--|---|
| 1 Inactive Landfill                    | 27 Former Radium Dial Shop                                  |
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| 18 PCB Spill Area                      |   |
| 22 Refueler Repair Shop                |   |
| 24 DDT Mixing Area                     |   |
| 25 Radium Spill Area                   |   |
| 26 Supply Department Outside Storage   |   |

\* Indicates "No Further Action" Required

NATURAL GAS UTILITIES

- GAS LINE & SIZE
- GAS VALVE
- VALVE OR METER PIT

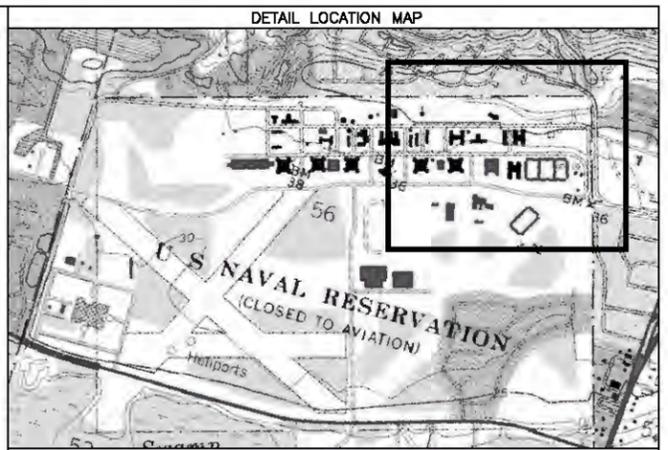
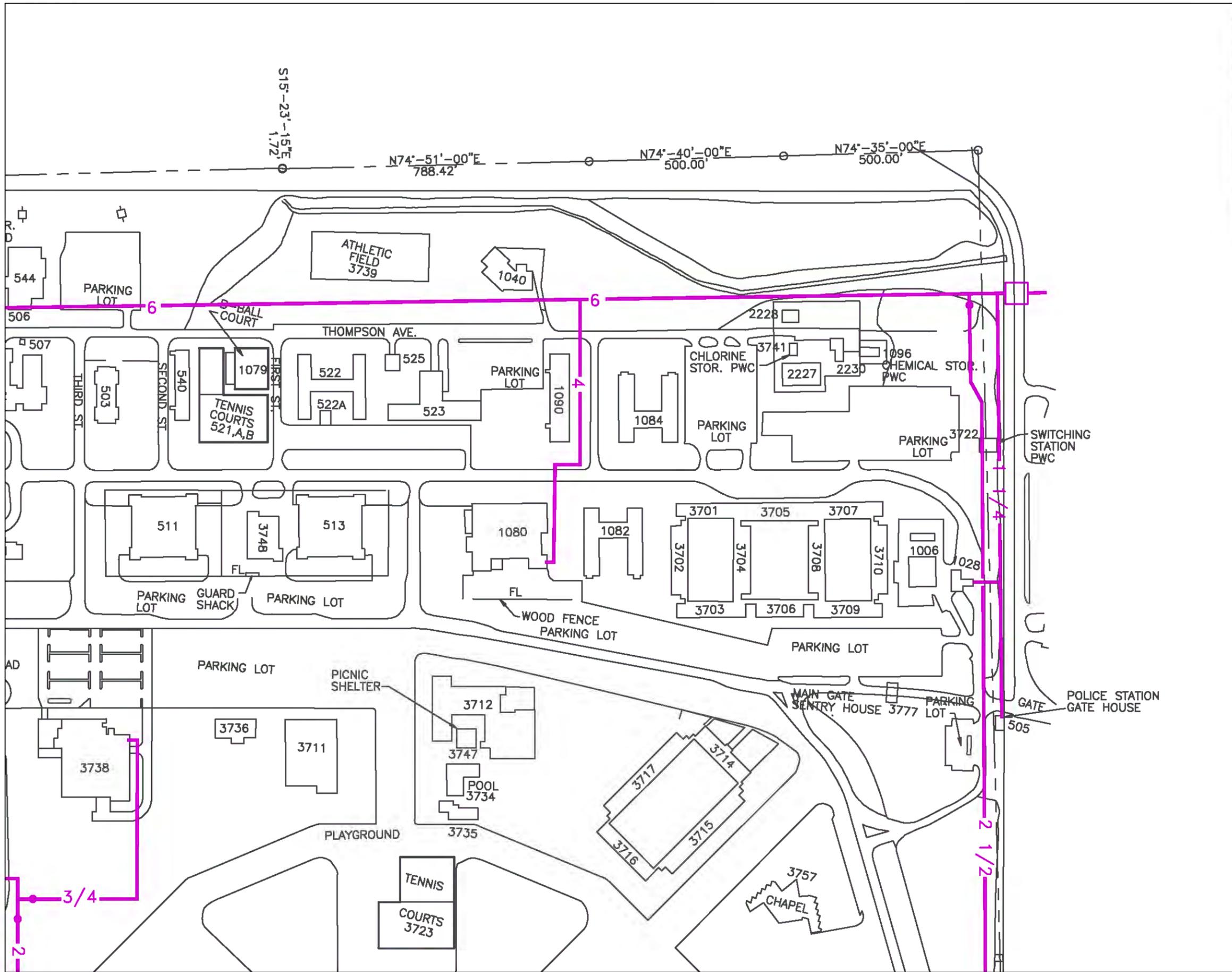


NAVAL AIR STATION  
PENSACOLA, FLORIDA

**NAS PENSACOLA  
NATURAL GAS DISTRIBUTION MAP  
AND IR SITE LOCATION MAP**

FIGURE	SIZE	DWG NO.	REV
<b>A-6</b>	<b>B</b>		
SCALE:	AS SHOWN	SHEET	6 of 6





**LEGEND**

NATURAL GAS UTILITIES

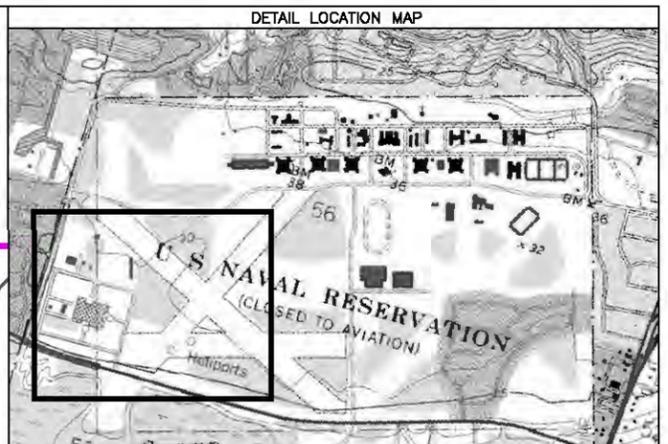
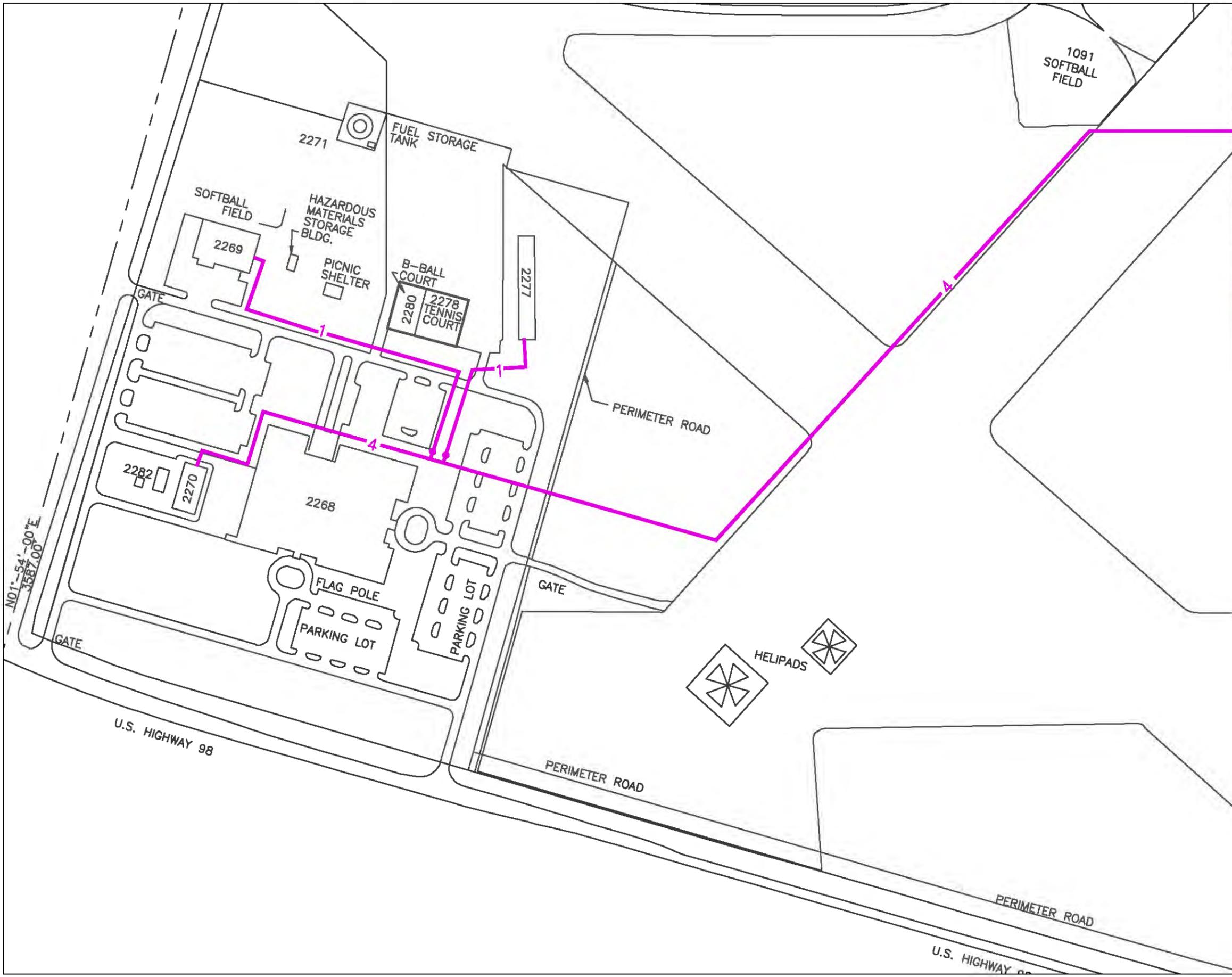
- GAS LINE & SIZE
- GAS VALVE
- VALVE OR METER PIT

0 125 250 375 500  
GRAPHIC SCALE IN FEET

NAVAL AIR STATION  
PENSACOLA, FLORIDA

**CORRY STATION  
NATURAL GAS UTILITY  
DISTRIBUTION MAP**

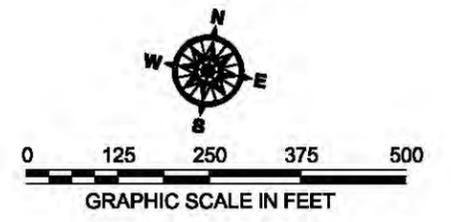
FIGURE	SIZE	DRG. NO.	REV.
<b>A-8</b>	B		
SCALE:	AS SHOWN	SHEET	2 of 5



**LEGEND**

NATURAL GAS UTILITIES

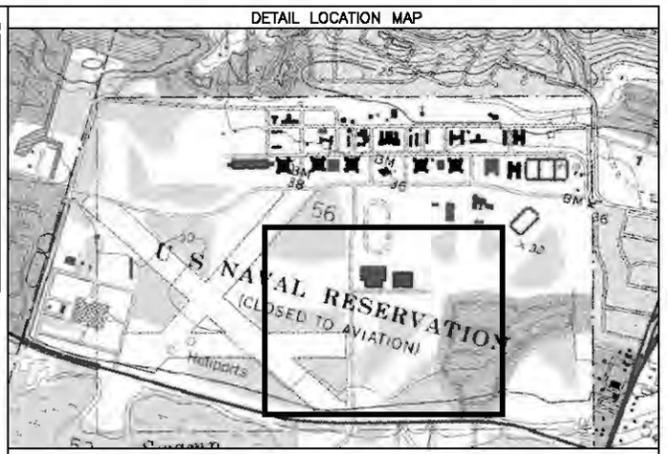
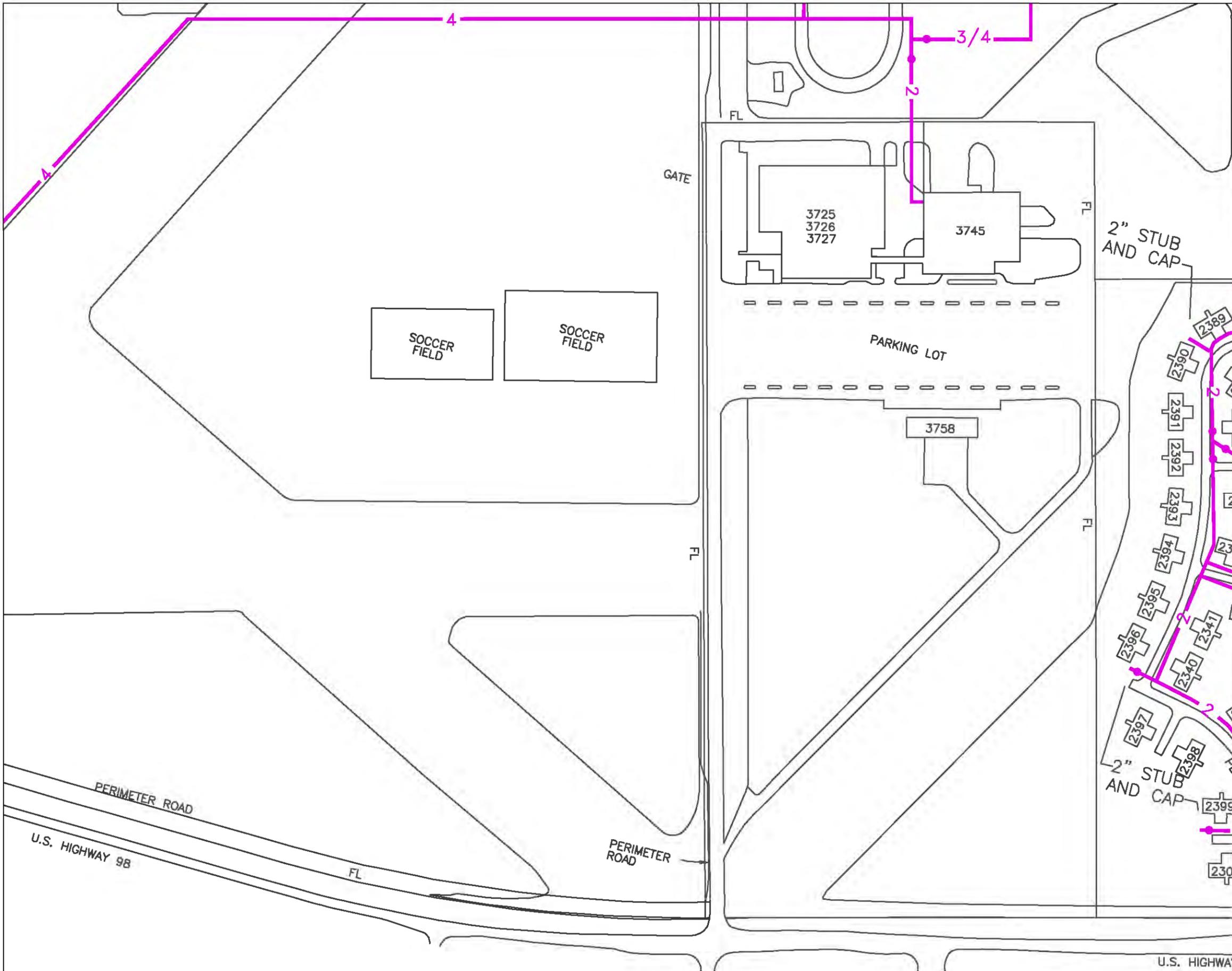
- 2 GAS LINE & SIZE
- GAS VALVE
- VALVE OR METER PIT



NAVAL AIR STATION  
PENSACOLA, FLORIDA

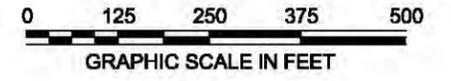
**CORRY STATION  
NATURAL GAS UTILITY  
DISTRIBUTION MAP**

FIGURE	SIZE	DRG NO.	REV
<b>A-9</b>	<b>B</b>		
SCALE:	AS SHOWN	SHEET	3 of 5



**LEGEND**

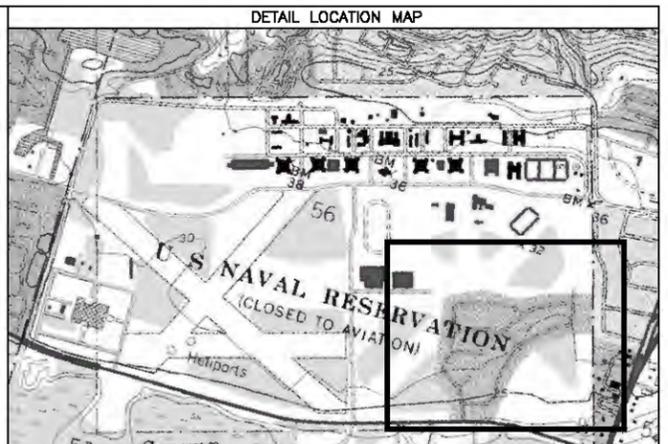
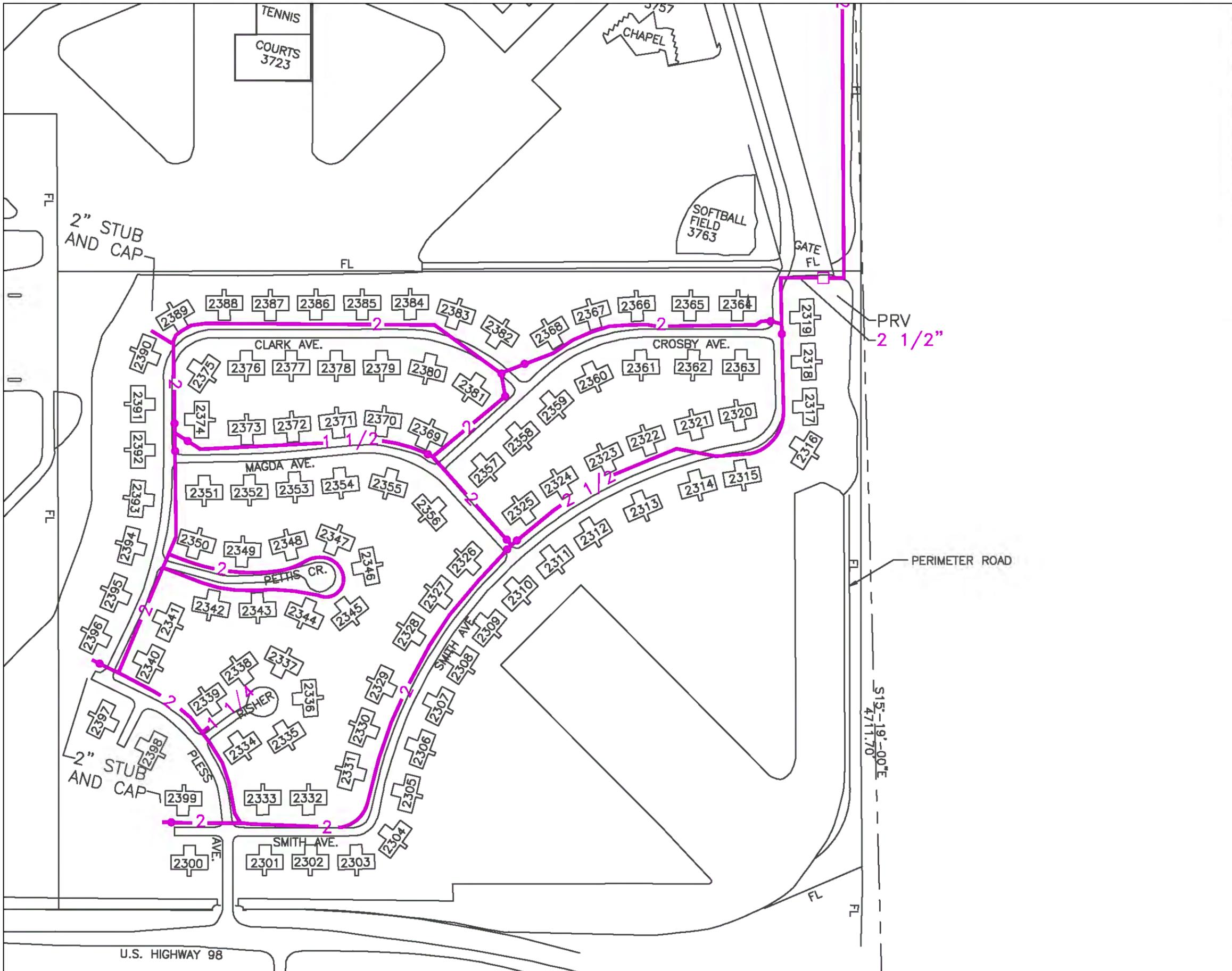
- NATURAL GAS UTILITIES
- 2" GAS LINE & SIZE
  - GAS VALVE
  - VALVE OR METER PIT



NAVAL AIR STATION  
PENSACOLA, FLORIDA

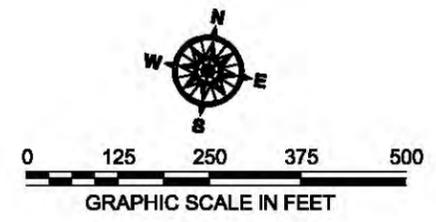
**CORRY STATION  
NATURAL GAS UTILITY  
DISTRIBUTION MAP**

FIGURE	SIZE	DRG NO.	REV
<b>A-10</b>	<b>B</b>		
SCALE:	AS SHOWN	SHEET	4 of 5



**LEGEND**

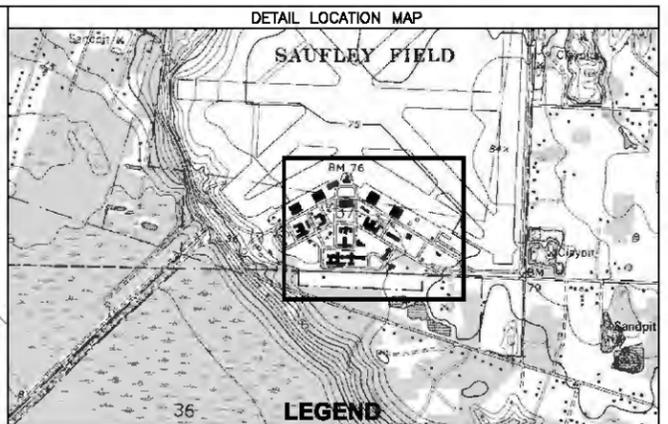
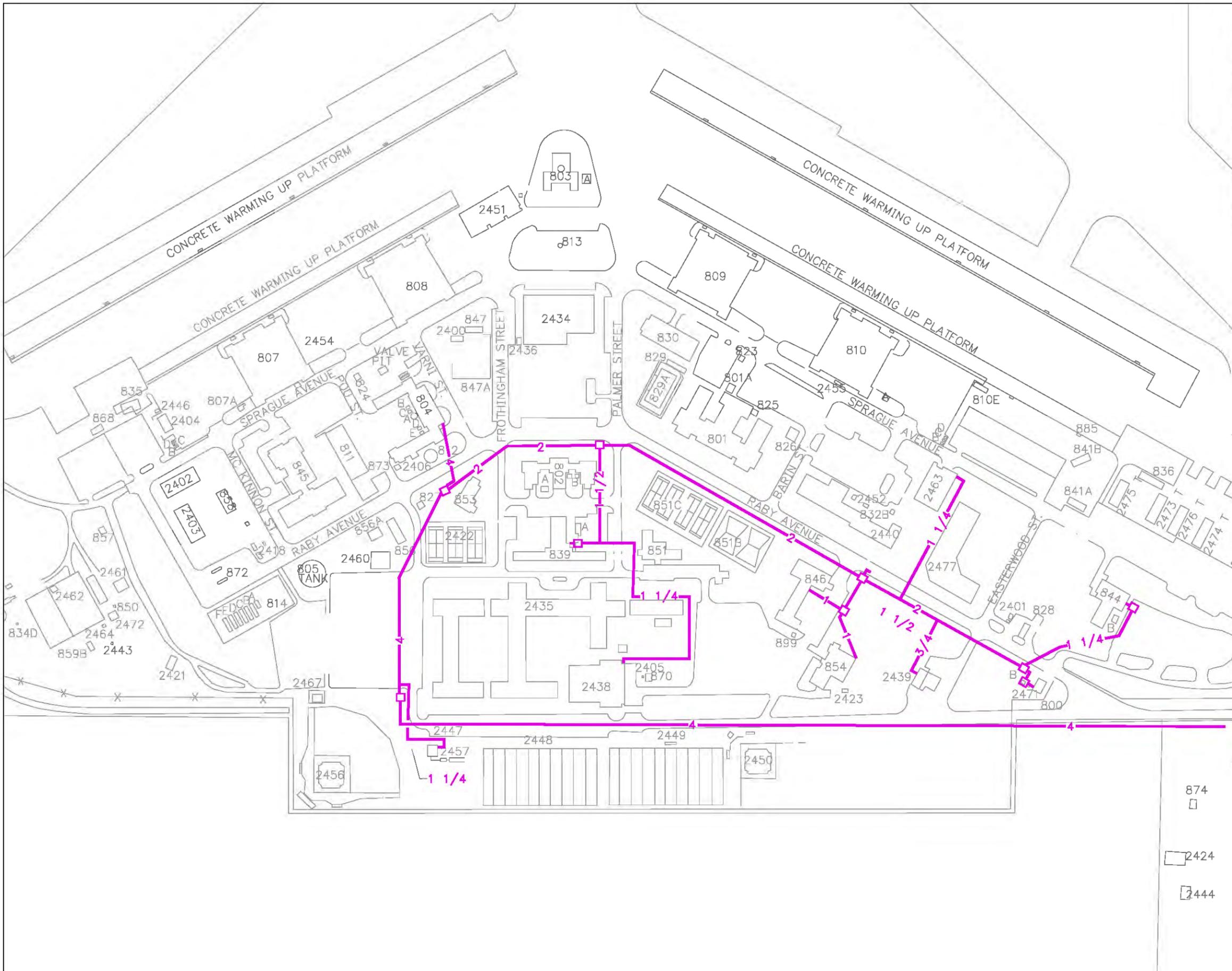
- NATURAL GAS UTILITIES
- 2 GAS LINE & SIZE
  - GAS VALVE
  - VALVE OR METER PIT



NAVAL AIR STATION  
PENSACOLA, FLORIDA

**CORRY STATION  
NATURAL GAS UTILITY  
DISTRIBUTION MAP**

FIGURE	SIZE	DRG NO.	REV
<b>A-11</b>	<b>B</b>		
SCALE:	AS SHOWN	SHEET	5 of 5



- WATER UTILITIES**
- NAVY PROPERTY BOUNDARY
  - ▨ EXISTING BUILDING OR STRUCTURE
  - ▬ EXISTING ROAD OR PAVED AREA
  - ✕ EXISTING FENCE

- NATURAL GAS UTILITIES**
- 2 — GAS LINE & SIZE
  - VALVE OR METER PIT



NO SCALE

NAVAL AIR STATION  
PENSACOLA, FLORIDA

**SAUFLEY FIELD  
NATURAL GAS UTILITY  
DISTRIBUTION MAP**

FIGURE	SIZE	DWG NO.	REV
<b>A-12</b>	<b>B</b>		
SCALE:	AS SHOWN	SHEET	1 of 1

## ***APPENDIX B***

---

Photographs

Natural Gas Utility Privatization  
NAS Pensacola  
Pensacola, Florida  
PRI Project #205051.10



1. View of entry gate to Corry Station.



2. View of NAS Pensacola, Blue Angels Naval Recreation Area.

Natural Gas Utility Privatization  
NAS Pensacola  
Pensacola, Florida  
PRI Project #205051.10



3. View of Substation 98 (located adjacent to Building 1857) at NAS Pensacola.



4. View of reported PCB-contaminated transformer at Substation 98; note no leaks observed.

Natural Gas Utility Privatization  
NAS Pensacola  
Pensacola, Florida  
PRI Project #205051.10



5. View of the area adjacent to Saufley Field.



6. View of transformer storage at IR Site 17 (pole yard) at NAS Pensacola; note lack of secondary containment.

Natural Gas Utility Privatization  
NAS Pensacola  
Pensacola, Florida  
PRI Project #205051.10



7. View of leaking transformers at IR Site 17 (pole yard).



8. View of soil stained area around the leaking transformers at IR Site 17 (pole yard).

Natural Gas Utility Privatization  
NAS Pensacola  
Pensacola, Florida  
PRI Project #205051.10



9. View of suspected landfill, north of Building 1099 at Corry Station.



10. View of NEX gas station gasoline dispensing area at NAS Pensacola.

Natural Gas Utility Privatization  
NAS Pensacola  
Pensacola, Florida  
PRI Project #205051.10



11. General view of IR Site 1 (Inactive Landfill) at NAS Pensacola.



12. View of IR Site 2 (Southeast Waterfront Sediment Area) at NAS Pensacola; note storm sewer outfalls coming from sea wall.

Natural Gas Utility Privatization  
NAS Pensacola  
Pensacola, Florida  
PRI Project #205051.10



13. View of IR Site 8 (Rifle Range Disposal Area) located adjacent to Building 3561 at NAS Pensacola.



14. View of IR Site 11 (North Chevalier Field Disposal Area), located west of Building 3616.

Natural Gas Utility Privatization  
NAS Pensacola  
Pensacola, Florida  
PRI Project #205051.10



15. View of IR Site 12 (Scrap Bins).



16. View of IR Site 15 (Pesticide Rinsate Disposal Area).

Natural Gas Utility Privatization  
NAS Pensacola  
Pensacola, Florida  
PRI Project #205051.10



17. View of IR Site 24 (DDT Mixing Area).



18. View of IR Site 25 (Radium Spill Area) located adjacent to Building 780; note monitoring well in foreground.

Natural Gas Utility Privatization  
NAS Pensacola  
Pensacola, Florida  
PRI Project #205051.10



19. View of IR Site 26 (Supply Department Outside Storage).



20. View of IR Site 27 (Former Radium Dial Shop); foundation is from remains of Building 709.

Natural Gas Utility Privatization  
NAS Pensacola  
Pensacola, Florida  
PRI Project #205051.10



21. View of IR Site 30 (Building 649 and Industrial Sewer Line).



22. View of IR Site 31 (Soil North of Building 648); note monitoring well in the foreground.

Natural Gas Utility Privatization  
NAS Pensacola  
Pensacola, Florida  
PRI Project #205051.10



23. View of IR Sites 32, 33 and 35 (IWTP/Sludge Drying Beds, Wastewater Treatment Ponds, and Miscellaneous IWTP SWMUs).



24. View of IR Site 34 (Solvent North of Building 3557).

Natural Gas Utility Privatization  
NAS Pensacola  
Pensacola, Florida  
PRI Project #205051.10



25. View of Buildings 71 and 604 associated with IR Site 38 (Buildings 49, 71, 72, 104, 604 and Associated Industrial Sewer Lines).



26. View of IR Site 43 (Buried Drum Site).

Natural Gas Utility Privatization  
NAS Pensacola  
Pensacola, Florida  
PRI Project #205051.10



27. View of IR Site 44 (Building 3221 Solvent Site).



28. View of IR Site 45 (Building 603 Lead Site).

## ***APPENDIX C***

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Supporting Documents

## ***SUPPORTING DOCUMENTS***

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Cultural Resources

**INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN**

<b>Recorded Historic Resources</b>				
<b>Building No.</b>	<b>Current Name</b>	<b>Date</b>	<b>NRHP Status</b>	<b>Historic District, if applicable</b>
1	Human Resources Office	1858	Contributing	Pensacola Naval Air Station National Historic Landmark
8	Storage	1908	Contributing	Pensacola Naval Air Station National Historic Landmark
16	Administrative	1854	Contributing	Pensacola Naval Air Station National Historic Landmark
18	Administrative Services	1882	Contributing	Pensacola Naval Air Station National Historic Landmark
19	Housing Storage	1874	Contributing	Pensacola Naval Air Station National Historic Landmark
19-A	Boundary Wall between #19 & #28	1875	Contributing	Pensacola Naval Air Station National Historic Landmark
21	Firchouse No. 1	1938	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
25	Administrative Offices	1848	Contributing	Pensacola Naval Air Station National Historic Landmark
26	Foundry and Forge	1882	Contributing	Pensacola Naval Air Station National Historic Landmark
27	COMSYSTO/Naval Exchange Offices	1872	Contributing	Pensacola Naval Air Station National Historic Landmark
28	Housing Equipment Storage Warehouse	1874	Contributing	Pensacola Naval Air Station National Historic Landmark
34	Guest House/VIP	1873	Contributing	Pensacola Naval Air Station National Historic Landmark
38	Boat Shop/Administrative Offices	1882	Contributing	Pensacola Naval Air Station National Historic Landmark
38-A	Port Service	1901	Contributing	Pensacola Naval Air Station National Historic Landmark
40	Post Office	1875	Contributing	Pensacola Naval Air Station National Historic Landmark
45	NAV RCRT ORNT UNIT/NAVY/LGL	1907	Contributing	Pensacola Naval Air Station National Historic Landmark
47	Power Station	1906	Contributing	Pensacola Naval Air Station National Historic Landmark
51	Fire Extinguisher Repair-Storage	1908	Contributing	Pensacola Naval Air Station National Historic Landmark
52	MATSG Headquarters	1907	Contributing	Pensacola Naval Air Station National Historic Landmark
54	Flagpole	1939	Non-Contributing	Annapolis of the Air Historic District
67	Public Restroom	1916	Contributing	Pensacola Naval Air Station National Historic Landmark
73	Administrative Support	1916	Contributing	Pensacola Naval Air Station National Historic Landmark
74	Recycling Building	1918	Contributing	Pensacola Naval Air Station National Historic Landmark
85	Boundary Wall	1837	Contributing	Pensacola Naval Air Station National Historic Landmark
89	Public Quarters	1917	Not Eligible	
89-A	Heater House	1956	Not Eligible	
96	Brick Wall	1863	Eligible	

**INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN**

<b>Recorded Historic Resources</b>				
<b>Building No.</b>	<b>Current Name</b>	<b>Date</b>	<b>NRHP Status</b>	<b>Historic District, if applicable</b>
107	Rubber/Plastic Parts MF/RP	1917	Contributing	Pensacola Naval Air Station National Historic Landmark
140	Cablevision Offices	1918	Contributing	Pensacola Naval Air Station National Historic Landmark
146	Yard Craft Bldg.	1918	Contributing	Pensacola Naval Air Station National Historic Landmark
148-A	Public Quarters	1917	Not Eligible	
148-B	Public Quarters	1917	Not Eligible	
148-C	Heater House	1951	Not Eligible	
149	Public Quarters	1950	Not Eligible	
149-D	Heater House	1942	Not Eligible	
177	Bulkhead	1852	Contributing	Pensacola Naval Air Station National Historic Landmark
178	Bulkhead	1852	Contributing	Pensacola Naval Air Station National Historic Landmark
191	Public Affairs Offices	1870	Contributing	Pensacola Naval Air Station National Historic Landmark
208	Officers Housing	1918	Not Eligible	
209	Public Quarters	1918	Not Eligible	
223	Thrift Store	1918	Contributing	Pensacola Naval Air Station National Historic Landmark
225	Naval Technical Training Center	1919	Eligible	
253	Mustin Beach Officer's Club	1918	Eligible	
260	Delicatessen/Package Store	1918	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
260-A	NEX Mini Mart		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
302	Finger Pier	1940	Not Eligible	
302-C	Quaywall	1941	Not Eligible	
303	Allegheny Pier	1940	Contributing	Pensacola Naval Air Station National Historic Landmark
303-A	Quaywall	1940	Not Eligible	
317	PWC Utility Building		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
322	OCS Uniform Store	1918	Contributing	Pensacola Naval Air Station National Historic Landmark
332-A	Parade/Drill Field	1941	Contributing	Annapolis of the Air Historic District
377	Storehouse	1837	Contributing	Pensacola Naval Air Station National Historic Landmark
378	Storehouse	1837	Contributing	Pensacola Naval Air Station National Historic Landmark
384	Seawall	1931	Contributing	Pensacola Naval Air Station National Historic Landmark
391	Magazine	1940	Not Eligible	
409	Detached Garage	1928	Not Eligible	
423	Combined Federal Campaign	1945	Not Eligible	

**INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN**

<b>Recorded Historic Resources</b>				
<b>Building No.</b>	<b>Current Name</b>	<b>Date</b>	<b>NRHP Status</b>	<b>Historic District, if applicable</b>
441	Detached Garage QTRS A/Storage	1938	Contributing	Pensacola Naval Air Station National Historic Landmark
447	Ready Service Magazine	1941	Not Eligible	
456	PWC Utilities	1942	Not Eligible	
458	Engineering Building	1942	Contributing	Naval Hospital Historic District
458-A	Storage	1942	Contributing	Naval Hospital Historic District
461	Printing Plant	1944	Not Eligible	
462	Armory	1945	Not Eligible	
463	Officer's Club/Employee Lounge	1943	Eligible	
464	Public Quarters	1942	Not Eligible	
467	Warehouse	1942	Not Eligible	
470	Exchange Store-Filling Station Office	1942	Non-Contributing	Annapolis of the Air Historic District
474	Gatehouse	1942	Contributing	Pensacola Naval Air Station National Historic Landmark
475	Electronic Ground Maintenance Shop	1943	Not Eligible	
478-A	Inert Storage/Magazine	1942	Not Eligible	
480	CNET Storage Grounds Crew	1943	Contributing	Naval Hospital Historic District
488	NOMI Headquarters	1945	Not Eligible	
495-G	A.C. Read Golf Course		Eligible (portions of golf courses)	
497	Storage	1951	Not Eligible	
498	Material Storage/Administrative Offices	1951	Not Eligible	
600	Bachelor Officer's Quarters	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
600-A	Officer Snack Stand	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
600-B	Garbage House	1938	Non-Contributing	Billingsley Drive/Cabaniss Crescent Historic District
601	AOC Quarters w/mess	1936	Contributing	Annapolis of the Air Historic District
602	AOC Quarters w/mess	1936	Contributing	Annapolis of the Air Historic District
603	DFAS/SPAWAR/Administrative Offices	1937	Contributing	Pensacola Naval Air Station National Historic Landmark
604	NARF SHPS/PLTG Facility/Offices	1937	Contributing	Pensacola Naval Air Station National Historic Landmark
605	NARF MF/Repair	1937	Contributing	Pensacola Naval Air Station National Historic Landmark
606	Gymnasium/Theater	1937	Contributing	Chevalier Field Hangars Historic District
607	Automobile Hobby Shop	1937	Contributing	Chevalier Field Hangars Historic District
610	Magazine	1937	Not Eligible	

**INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN**

<b>Recorded Historic Resources</b>				
<b>Building No.</b>	<b>Current Name</b>	<b>Date</b>	<b>NRHP Status</b>	<b>Historic District, if applicable</b>
611	Magazine	1937	Not Eligible	
612	Magazine/High Expl.	1937	Not Eligible	
623	NASC	1939	Contributing	Annapolis of the Air Historic District
624	Supply Department	1939	Contributing	Annapolis of the Air Historic District
624-A	Administrative Storage	1939	Non-Contributing	Annapolis of the Air Historic District
625	Administrative Offices	1939	Contributing	Annapolis of the Air Historic District
625-B	Family Service Center	1941	Contributing	Annapolis of the Air Historic District
625-C	Supply Department	1942	Contributing	Annapolis of the Air Historic District
625-D	Administrative Offices	1942	Contributing	Annapolis of the Air Historic District
626	AOC Quarters w/o Mess Etc.	1939	Contributing	Annapolis of the Air Historic District
626-A	NASP Veterinary Clinic	1939	Contributing	Annapolis of the Air Historic District
627	Playing Courts - Indoor	1939	Contributing	Chevalier Field Hangars Historic District
628	CNET Administration Building	1942	Contributing	Naval Hospital Historic District
628-A	Unknown		Contributing	Naval Hospital Historic District
628-B	Flagpole	1940	Contributing	Naval Hospital Historic District
630	Exchange Retail Store	1940	Non-Contributing	Chevalier Field Hangars Historic District
631	Academic Instruction	1940	Contributing	Chevalier Field Hangars Historic District
631-A	Unknown		Non-Contributing	Chevalier Field Hangars Historic District
632	Recreation Bldg.	1940	Eligible	
633	NASC Naval Aviation School	1941	Contributing	Annapolis of the Air Historic District
634	Navy Exchange/Chapel/Storage/SCL	1940	Contributing	Annapolis of the Air Historic District
634-B	Substation/Switch House	1942	Contributing	Annapolis of the Air Historic District
635	NIS Office	1940	Contributing	Annapolis of the Air Historic District
636	Bachelor Housing Storage	1940	Contributing	Pensacola Naval Air Station National Historic Landmark
636-A	Unknown		Contributing	Pensacola Naval Air Station National Historic Landmark
639	Radio Transmitter/Distributor Central Headquarters	1941	Not Eligible	
639-A	Communications Equipment Storage	1943	Not Eligible	
639-C	Radio Transmitter Tower	1941	Not Eligible	

**INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN**

<b>Recorded Historic Resources</b>				
<b>Building No.</b>	<b>Current Name</b>	<b>Date</b>	<b>NRHP Status</b>	<b>Historic District, if applicable</b>
639-D	Radio Transmitter Tower	1941	Not Eligible	
639-E	Radio Transmitter Tower	1941	Not Eligible	
646	HRO	1941	Contributing	Pensacola Naval Air Station National Historic Landmark
648	Dynatomic Components	1941	Not Eligible	
649	Dynatomic Component Rework	1941	Not Eligible	
664	Residence in Aerospace	1942	Contributing	Naval Hospital Historic District
665	NOMI Academics Aviation Medicine	1941	Contributing	Naval Hospital Historic District
667	Community Center	1941	Not Eligible	
670	Gasoline Pump Housset	1941	Not Eligible	
671	AV Water Survival Training Facility	1941	Not Eligible	
672	Survival Training Facility	1941	Not Eligible	
673	Magazine/Subsurface	1941	Not Eligible	
679	College Center	1942	Eligible	
680	Personnel Support Detachment	1942	Contributing	Annapolis of the Air Historic District
697	Firehouse No. 2	1942	Not Eligible	
702	Maintenance Shop	1942	Not Eligible	
703	Magazine/Subsurface	1941	Not Eligible	
705	Magazine/Small Arms	1943	Not Eligible	
707	Fuel Oil Pumping Station	1942	Not Eligible	
708-B	Bulkhead	1943	Not Eligible	
708-C	Boat Launching Ramp	1943	Not Eligible	
708-G	Truck Scales	1942	Not Eligible	
709-A	Bus Stop Shelter	1942	Not Eligible	
709-D	Engineering Lab	1948	Not Eligible	
710	NCIS Administrative Office	1943	Contributing	Annapolis of the Air Historic District
715-I	Inert Storage/Magazine	1945	Not Eligible	
735	NPWC Housing Office	1944	Not Eligible	
738	Administrative Offices	1943	Contributing	Pensacola Naval Air Station National Historic Landmark
740	Supply Department	1944	Not Eligible	
741	Training Building	1944	Not Eligible	
743	JOAP Administrative Spaces	1944	Not Eligible	
780	Oil Analysis Lab	1951	Not Eligible	
781	General Warehouse Ready Issue	1954	Not Eligible	
797	Printing Plant/Warehouse	1953	Not Eligible	
1500	Naval School of Photography	1939	Contributing	Fort Barrancas Cantonment Historic District

**INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN**

<b>Recorded Historic Resources</b>				
<b>Building No.</b>	<b>Current Name</b>	<b>Date</b>	<b>NRHP Status</b>	<b>Historic District, if applicable</b>
1504	Chapel	1937	Contributing	Fort Barrancas Cantonment Historic District
1518	ROICC Inspector's Office	1910	Non-Contributing	Fort Barrancas Cantonment Historic District
1519	Terminal Equipment Building	1936	Contributing	Fort Barrancas Cantonment Historic District
1523	Security	1935	Contributing	Fort Barrancas Cantonment Historic District
1524	Navy Exchange Central Warehouse	1943	Contributing	Fort Barrancas Cantonment Historic District
1534	Security Department	1910	Contributing	Fort Barrancas Cantonment Historic District
1536	Navy Exchange Warehouse	1908	Non-Contributing	Fort Barrancas Cantonment Historic District
1538	Pest Control	1903	Contributing	Fort Barrancas Cantonment Historic District
1565	Storehouse	1907	Contributing	Fort Barrancas Cantonment Historic District
1567	Security	1940	Contributing	Fort Barrancas Cantonment Historic District
1579	Storage	1870	Contributing	Fort Barrancas Cantonment Historic District
1580	Storehouse	1918	Contributing	Fort Barrancas Cantonment Historic District
1591	Housing Storage and Repair	1918	Non-Contributing	Fort Barrancas Cantonment Historic District
1644	Laundry	1940	Not Eligible	
1695	Storage/FMO	1940	Not Eligible	
1707	Storehouse	1940	Not Eligible	
1735	Navy Exchange Warehouse	1918	Not Eligible	
1750	Recreation Maintenance Building	1929	Contributing	Fort Barrancas Cantonment Historic District
1753	Storage	1918	Contributing	Fort Barrancas Cantonment Historic District
1754	Facilities Management Administrative Offices	1905	Contributing	Fort Barrancas Cantonment Historic District
1776	Storage Building/Golf Course	1952	Not Eligible	
1785	PWC Utilities Facility		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
1789	Public Quarters Enlisted Men	1956	Not Eligible	
1790	Public Quarters Enlisted Men	1956	Not Eligible	
1791	Public Quarters Enlisted Men	1956	Not Eligible	
1792	Public Quarters Enlisted Men	1956	Not Eligible	
1793	Public Quarters Enlisted Men	1956	Not Eligible	
1794	Public Quarters Enlisted Men	1956	Not Eligible	
1795	Public Quarters Enlisted Men	1956	Not Eligible	
1796	Public Quarters Enlisted Men	1956	Not Eligible	
1797	Public Quarters Enlisted Men	1956	Not Eligible	

**INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN**

<b>Recorded Historic Resources</b>				
<b>Building No.</b>	<b>Current Name</b>	<b>Date</b>	<b>NRHP Status</b>	<b>Historic District, if applicable</b>
1798	Public Quarters Enlisted Men	1956	Not Eligible	
1799	Public Quarters Enlisted Men	1956	Not Eligible	
1800	Public Quarters Enlisted Men	1956	Not Eligible	
1801	Public Quarters Enlisted Men	1956	Not Eligible	
1808	Reviewing Stand	1956	Contributing	Annapolis of the Air Historic District
1809	Phone Equipment Building and System	1955	Not Eligible	
1811	Acrospace Medical RD/Testing/Offices	1956	Not Eligible	
1813	Aviation Pattern/Tool Storage	1956	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
1824	Levee/Main Station	1924	Contributing	Pensacola Naval Air Station National Historic Landmark
1825	Small Craft Fueling Station	1941	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
1839	Retaining Wall	1944		
1842	Retaining Wall	1827	Not Eligible	
1843	Retaining Wall	1827	Not Eligible	
1844	Retaining Wall	1954		
1845	Retaining Wall	1827	Contributing	Naval Hospital Historic District
1846	Retaining Wall	1827	Contributing	Naval Hospital Historic District
1847	Retaining Wall	1827		
1848	Retaining Wall	1827		
1849	Retaining Wall	1900	Eligible	
1851	Golf Course Maintenance Shop	1942	Not Eligible	
1852	Operation Building-Control Tower	1955	Not Eligible	
1853	Maintenance Hangar	1955	Not Eligible	
1854	Maintenance Hangar	1955	Not Eligible	
1865	Guardhouse	1941	Not Eligible	
1867	Golf Course Pumphouse	1948	Not Eligible	
1875	Vehicular Bridge/Concrete	1945	Not Eligible	
1878	Aircraft Fire-Crash Station Emergency Building	1955	Not Eligible	
1879	Aircraft Truck Fueling Facility	1954	Not Eligible	
1880	Tank Truck Loading Facility	1956	Not Eligible	
1880-A	Refueling Pantograph	1957	Not Eligible	
1881	Bus Stop Shelter	1953	Not Eligible	
1889	Fueling Pier	1955	Not Eligible	
1891	Storage Building	1953	Not Eligible	
1892	Communications Receiver Building	1955	Not Eligible	

**INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN**

<b>Recorded Historic Resources</b>				
<b>Building No.</b>	<b>Current Name</b>	<b>Date</b>	<b>NRHP Status</b>	<b>Historic District, if applicable</b>
1893	Transmitter Building	1955	Not Eligible	
1901	Emergency Generator Building	1955	Not Eligible	
1902	Emergency Generator Building	1955	Not Eligible	
1907	Starbase Atlantis	1957	Not Eligible	
1908	Small Arms Range-Outdoor	1956	Not Eligible	
1909	Ready Service Magazine	1956	Not Eligible	
1910	Ready Service Magazine	1956	Not Eligible	
1911	Ready Service Magazine	1956	Not Eligible	
1912	Ready Service Magazine	1956	Not Eligible	
1913	Ready Service Magazine	1956	Not Eligible	
1914	Ready Service Magazine	1956	Not Eligible	
1917	TACAN Building	1957	Not Eligible	
1919	Housing Storage	1942	Not Eligible	
1927	Recreational Dock	1956	Not Eligible	
1928	Recreational Dock	1956	Not Eligible	
1929	Recreational Dock	1956	Not Eligible	
1930	Recreational Dock	1956	Not Eligible	
1933	Recreational Dock	1956	Not Eligible	
1936	Outboard Fueling Building	1956	Not Eligible	
1945	Tetrahedron	1955	Not Eligible	
1950	Unknown		Non-Contributing	Naval Hospital Historic District
1958	Air Conditioning Plant	1965	Non-Contributing	Naval Hospital Historic District
1976	Navy Exchange Gasoline Dispensing Facility	1960	Non-Contributing	Annapolis of the Air Historic District
1980	Bus Stop Shelter	1952	Non-Contributing	Fort Barrancas Cantonment Historic District
1982	Memorial Chapel	1961	Non-Contributing	Annapolis of the Air Historic District
1993	Unknown	1955	Not Eligible	
1997	Substation	1950	Non-Contributing	Billingsley Drive/Cabaniss Crescent Historic District
2644	Tool Storage Shed	1955	Not Eligible	
2645	Shed for Gas Tank Truck Lodge	1955	Not Eligible	
2685	Vehicular Bridge/Wood/Metal	1940	Not Eligible	
2687	Reviewing Stand	1963	Non-Contributing	Annapolis of the Air Historic District
2688	Reviewing Stand	1963	Non-Contributing	Annapolis of the Air Historic District
3205	Volleyball Court	1963	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3259-D	Liquid Oxygen/Nitrogen Facility	1957	Not Eligible	

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<b>Recorded Historic Resources</b>				
<b>Building No.</b>	<b>Current Name</b>	<b>Date</b>	<b>NRHP Status</b>	<b>Historic District, if applicable</b>
3264	PWC Utilities Building		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3265	PWC Utilities Building		Non-Contributing	Billingsley Drive/Cabaniss Crescent Historic District
3266	PWC Utilities Building		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3270	Lighthouse Keepers' Quarters	1859	Individually Listed	Pensacola Lighthouse and Keeper's Quarters (NRHP 1974)
3287	Tennis Court	1925	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3291	Unknown		Non-Contributing	Annapolis of the Air Historic District
3378	Recreation Pavilion	1973	Non-Contributing	Fort Barrancas Cantonment Historic District
3434	PWC Utilities Building		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3435	PWC Utilities Building		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3453	Playing Field	1971	Non-Contributing	Fort Barrancas Cantonment Historic District
3461	Electrical Equipment		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3479	Disaster Preparedness Office	1950	Not Eligible	
3479-A	Generator House	1950	Not Eligible	
3601	Bus Shelter	1983	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3650	Bus Shelter	1986	Non-Contributing	Billingsley Drive/Cabaniss Crescent Historic District
3851	Unknown		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3852	Unknown		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3855	North Gate House to Pier 303	1991	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3856	South Gate House to Pier 303	1991	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3860	Survival Training/Air Force/NASC	1997	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3862	Kennel	1992	Non-Contributing	Fort Barrancas Cantonment Historic District
3930	Industries Building (Brig)	1995	Non-Contributing	Annapolis of the Air Historic District
3937	Boiler	1998	Non-Contributing	Annapolis of the Air Historic District
3938	Boiler	1998	Non-Contributing	Annapolis of the Air Historic District
3941	Boiler	1998	Non-Contributing	Annapolis of the Air Historic District
3942	Boiler	1998	Non-Contributing	Annapolis of the Air Historic District
4092	Unknown		Non-Contributing	Pensacola Naval Air Station National Historic Landmark

**INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN**

<b>Recorded Historic Resources</b>				
<b>Building No.</b>	<b>Current Name</b>	<b>Date</b>	<b>NRHP Status</b>	<b>Historic District, If applicable</b>
Q- 1 (QTRS A)	Quarters CNT COM Q-1	1874	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 2 (QTRS I)	Quarters Chief of Staff CNT Q-2	1875	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 2E (QTRS I-E)	Servants Quarters Q-2E	1920	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 3 (QTRS G)	Quarters NAS Q-3	1877	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 3G (QTRS GG)	Servants Quarters Q-3G	1921	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 4 (QTRS B)	Quarters CNAT COM Q-4	1874	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 4C (QTRS BC)	Servants Quarters Q-4C	1922	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 5 (QTRS D)	Quarters Flag Officers Q-5	1875	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 6 (QTRS H)	Chief Naval Training Supply Q-6	1874	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 6C (QTRS HC)	Servants Quarters Q-6C	1939	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 7 (QTRS K)	Senior Officers Quarters Q-7	1875	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 7E (QTRS KE)	Garage Q-7E	1939	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 8 (QTRS M)	Quarters CNAT Chief of Staff Q-8	1874	Contributing	Pensacola Naval Air Station National Historic Landmark
Q-12 (QTRS B-)	Senior Officers Quarters Q-12	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-13 (QTRS C-C)	Senior Officers Quarters Q-13	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-14 (QTRS D-D)	Senior Officers Quarters Q-14	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-15 (QTRS E-E)	Senior Officers Quarters Q-15	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-16 (QTRS F-F)	Senior Officers Quarters Q-16	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-17 (QTRS G-G)	Commanding Officer Public Works Center Q-17	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-18 (QTRS H-H)	Senior Officers Quarters Q-18	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-19 (QTRS I-I)	Senior Officers Quarters Q-19	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-20 (QTRS K-K)	Senior Officers Quarters Q-20	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-21 (QTRS L-L)	Senior Officers Quarters Q-21	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-22 (QTRS M-M)	Senior Officers Quarters Q-22	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-23 (QTRS N-N)	Officers Quarters Q-23	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-24 (QTRS O-O)	Officers Quarters Q-24	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-25 (QTRS P-P)	Officers Quarters Q-25	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District

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<b>Recorded Historic Resources</b>				
<b>Building No.</b>	<b>Current Name</b>	<b>Date</b>	<b>NRHP Status</b>	<b>Historic District, if applicable</b>
Q-26 (QTRS Q-Q)	Officers Quarters Q-26	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-27 (QTRS R-R)	Officers Quarters Q-27	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-28 (QTRS S-S)	Officers Quarters Q-28	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-29 (QTRS T-T)	Officers Quarters Q-29	1939	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-30 (QTRS U-U)	Officers Quarters Q-30	1940	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-31 (QTRS V-V)	Officers Quarters Q-31	1940	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
QTRS 33	Senior Officers Quarters	1928	Contributing	Fort Barrancas Cantonment Historic District
QTRS 33A	Garage	1935	Non-Contributing	Fort Barrancas Cantonment Historic District
QTRS 34	Senior Officers Quarters	1870	Contributing	Fort Barrancas Cantonment Historic District
QTRS 34A	Garage	1935	Non-Contributing	Fort Barrancas Cantonment Historic District
QTRS 35	Senior Officers Quarters	1850	Contributing	Fort Barrancas Cantonment Historic District
QTRS 35A	Garage	1935	Non-Contributing	Fort Barrancas Cantonment Historic District
QTRS 36	Senior Officers Quarters	1906	Contributing	Fort Barrancas Cantonment Historic District
QTRS 36A	Garage	1935	Non-Contributing	Fort Barrancas Cantonment Historic District
QTRS 37	Senior Officers Quarters	1870	Contributing	Fort Barrancas Cantonment Historic District
QTRS 37A	Garage	1935	Non-Contributing	Fort Barrancas Cantonment Historic District
QTRS 39	Junior Officer Quarters	1840	Contributing	Fort Barrancas Cantonment Historic District
QTRS 39A	Garage	1935	Contributing	Fort Barrancas Cantonment Historic District
QTRS 40	Officers Quarters	1904	Contributing	Fort Barrancas Cantonment Historic District
QTRS 41	Quarters of Commanding Officer NAVAVSCOLSCOM	1870	Contributing	Fort Barrancas Cantonment Historic District
QTRS 42	Senior Officers Quarters	1870	Contributing	Fort Barrancas Cantonment Historic District
QTRS 42A	Garage	1935	Non-Contributing	Fort Barrancas Cantonment Historic District
QTRS 43	Senior Officers Quarters	1870	Contributing	Fort Barrancas Cantonment Historic District
QTRS 43A	Garage	1935	Contributing	Fort Barrancas Cantonment Historic District
QTRS 45	Quarters of Commanding Officer NCTC	1906	Contributing	Fort Barrancas Cantonment Historic District
QTRS 45A	Garage	1935	Contributing	Fort Barrancas Cantonment Historic District
QTRS 46	Senior Officers Quarters	1903	Contributing	Fort Barrancas Cantonment Historic District

**INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN**

<b>Recorded Historic Resources</b>				
<b>Building No.</b>	<b>Current Name</b>	<b>Date</b>	<b>NRHP Status</b>	<b>Historic District, if applicable</b>
QTRS 46A	Garage	1935	Contributing	Fort Barrancas Cantonment Historic District
QTRS 47	Junior Officer Quarters	1894	Contributing	Fort Barrancas Cantonment Historic District
QTRS 48	Junior Officer Quarters	1905	Contributing	Fort Barrancas Cantonment Historic District
QTRS 49	Junior Officer Quarters	1905	Contributing	Fort Barrancas Cantonment Historic District
QTRS 50	Junior Officer Quarters	1903	Contributing	Fort Barrancas Cantonment Historic District
QTRS 51	Junior Officer Quarters	1902	Contributing	Fort Barrancas Cantonment Historic District
QTRS 52	Junior Officer Quarters	1902	Contributing	Fort Barrancas Cantonment Historic District
QTRS 53	Officers Quarters/2 Apartments	1939	Contributing	Fort Barrancas Cantonment Historic District
QTRS 54	Officers Quarters/2 Apartments	1939	Contributing	Fort Barrancas Cantonment Historic District
QTRS 55	Officers Quarters/2 Apartments	1939	Contributing	Fort Barrancas Cantonment Historic District
QTRS 56	Officers Quarters/2 Apartments	1939	Contributing	Fort Barrancas Cantonment Historic District
QTRS 57	Officers Quarters/2 Apartments	1939	Contributing	Fort Barrancas Cantonment Historic District
QTRS 58	Officers Quarters	1910	Contributing	Fort Barrancas Cantonment Historic District

## ***SUPPORTING DOCUMENTS***

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Archeological Resources

**INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN**

<b>Recorded Archaeological Resources</b>		
<b>Site Number/Name</b>	<b>Site Type (taken from site form)</b>	<b>NRHP status</b>
8ES17/Ft. San Carlos de Barrancas	Building & associated archaeological deposits (17 <sup>th</sup> through 20 <sup>th</sup> centuries)	Listed – now managed by National Park Service
8ES64/Old Pensacola Lighthouse	Structure (lighthouse) & archaeological remains of keeper's residence (19 <sup>th</sup> century)	Eligible
8ES65/Civil War Battery	Historic earthworks, historic artifact scatter and refuse, military, historic cemetery (19 <sup>th</sup> century)	Potentially eligible
8ES66/Ft. Redoubt	Archaeological deposits associated with brick and earth-filled fort (19 <sup>th</sup> century)	Listed – now managed by National Park Service
8ES68/communication trench	Historic trench (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES69/earthworks	Historic earthworks (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES103/NAS Pensacola Historic District	Historic district & associated archaeological deposits (19 <sup>th</sup> & 20 <sup>th</sup> centuries)	Listed
8ES104/Pensacola Lighthouse and Keeper's Quarters	Structure(lighthouse) & associated archaeological deposits (19 <sup>th</sup> century)	Listed
8ES126/Gun Emplacement #17	Confederate battery (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1050/NAS #1	Artifact scatter (Mississippian and 19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1051/Magazine Point NAS	Artifact scatter (Mississippian) & possibly historic RR remnants	Unknown – consider eligible until determined otherwise
8ES1052/Magnolia Ridge Site	Artifact scatter, midden, shell midden (Paleoindian or Archaic, Woodland, and Mississippian)	Unknown (recommended potentially eligible 1989; recommended eligible 1996)
8ES1264/PennAir	Artifact scatter, shell midden (Mississippian)	Potentially eligible

**INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN**

<b>Recorded Archaeological Resources</b>		
<b>Site Number/Name</b>	<b>Site Type (taken from site form)</b>	<b>NRHP status</b>
8ES1280/Hickory Ridge Site	Mississippian cemetery, artifact scatter & shell midden (Woodland a& Mississippian), historic refuse (19 <sup>th</sup> century)	Listed
8ES1281/Back gate site	Artifact scatter & shell midden (Woodland & Mississippian), historic refuse (20 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1354/Ft. San Carlos de Austria	Archaeological remains of wooden fort and associated Spanish village (16 <sup>th</sup> through 20 <sup>th</sup> centuries)	Eligible
8ES1411/Artillery battery	Historic earthwork, military (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1412/Barracks (shown on NAS map as 8ES1402)	Artifact scatter, historic refuse, military barracks (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1413/Barracks stairs	Historic stairs, artifact scatter, historic refuse (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1414/Barrancas Barracks 1861	Barracks & associated archaeological deposits (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1415/Cemeteries A, B, C	Historic cemeteries (? Century)	Unknown – consider eligible until determined otherwise
8ES1416/Cemetery D	Historic cemetery (19 <sup>th</sup> and 20 <sup>th</sup> centuries)	Unknown – consider eligible until determined otherwise
8ES1417/Chaseville	Artifact scatter (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1418/Commodore's Pond Timbers	Redeposited timbers (? century)	Potentially eligible
8ES1419/Gonzalez Bricks	Artifact scatter, historic refuse, Gonzalez bricks (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1420/Gonzalez House 1840s	Homestead (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise

**INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN**

<b>Recorded Archaeological Resources</b>		
<b>Site Number/Name</b>	<b>Site Type (taken from site form)</b>	<b>NRHP status</b>
8ES1421/Bayou Grande Homesteads	Homestead (19 <sup>th</sup> & 20 <sup>th</sup> centuries)	Coordination underway?
8ES1422A&B/Pleasant Grove Homesteads	Artifact scatter & historic refuse, homestead (19 <sup>th</sup> & 20 <sup>th</sup> centuries)	Coordination underway?
8ES1423/Klinglesmith site	Artifact scatter & shell midden (Mississippian)	Unknown – consider eligible until determined otherwise
8ES1424/MS regiment Encampment	Artifact scatter & campsite (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1425/NAS#4	Artifact scatter (Woodland), lithic scatter (unknown prehistoric), historic refuse (? century)	Unknown – consider eligible until determined otherwise
8ES1426/NAS#5	Artifact scatter & historic refuse, military (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1427/NAS#6	Artifact scatter (possibly Woodland)	Unknown – consider eligible until determined otherwise
8ES1428/NAS#7	Artifact scatter, historic refuse, military (19 <sup>th</sup> & 20 <sup>th</sup> centuries)	Unknown – consider eligible until determined otherwise
8ES1429/NAS#8	Historic earthworks, historic refuse (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1430/NAS#9	Historic reuse & artifact scatter, homestead (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1431/NAS#10	Historic refuse, well (? century)	Unknown – consider eligible until determined otherwise
8ES1432/NAS#11	Artifact scatter (Woodland and 19 <sup>th</sup> century)	Recommended not eligible (2000)
8ES1433/NAS#12	Artifact scatter (Woodland & Mississippian), historic refuse, military (19 <sup>th</sup> & 20 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise

**INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN**

<b>Recorded Archaeological Resources</b>		
<b>Site Number/Name</b>	<b>Site Type (taken from site form)</b>	<b>NRHP status</b>
8ES1434/Naval Hospital 1834	Artifact scatter & historic refuse (19 <sup>th</sup> & 20 <sup>th</sup> centuries)	Unknown – consider eligible until determined otherwise
8ES1435/Old Hospital	Historic hospital refuse (20 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1436/Warrington	Artifact scatter, midden, historic refuse, homestead, military (unknown period)	Potentially eligible
8ES1437/Pigeys Settlement	Artifact scatter & historic refuse, sawmill/settlement (19 <sup>th</sup> & 20 <sup>th</sup> centuries)	Unknown – consider eligible until determined otherwise
8ES1438/Quarters #39	Building & associated archaeological deposits (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1439/Sand Batteries	Historic earthworks, military (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1440/Sherman Cove	Artifact scatter (Woodland & Mississippian)	Unknown – consider eligible until determined otherwise
8ES1441/Trash Dump 1870s	Historic refuse dump (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1442/Union Cavalry Encampment	Artifact scatter & historic refuse, military (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1443/Well	Historic refuse, well (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1444/Woosley	Historic refuse (18 <sup>th</sup> through 20 <sup>th</sup> centuries)	Unknown – consider eligible until determined otherwise
8ES1445/Woosley Courts	Artifact scatter & historic refuse, building remains (20 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
8ES1530/Bldg 3608 Archaeological Site	Shell midden/campsite (Unknown prehistoric)	Potentially eligible

**INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN**

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<b>Recorded Archaeological Resources</b>		
<b>Site Number/Name</b>	<b>Site Type (taken from site form)</b>	<b>NRHP status</b>
8ES1531/Military Campsite	Historic campsite (possibly 19 <sup>th</sup> century)	Coordination underway
Caisson/Brodie's Wharf	Caisson (19 <sup>th</sup> century)	Unknown – consider eligible until determined otherwise
Weeden Is/Ft. Walton	Midden (Woodland)	Unknown – consider eligible until determined otherwise
8ES2939/Navy Yard	Multicomponent occupation (Woodland, 19 <sup>th</sup> & 20 <sup>th</sup> centuries)	Potentially eligible
8ES2969	Multicomponent occupation/village (Woodland & historic period artifacts - ? century)	Potentially eligible
8ES2971	Midden (19 <sup>th</sup> & 20 <sup>th</sup> centuries)	Potentially eligible

## ***SUPPORTING DOCUMENTS***

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Hazardous Materials Inventory

SAA MASTER LIST A9-102

NAS	Blog #	Site	Waste Stream	Priority #	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone
NASBF	6131	1	a		X		X	Aerosol Cans	Bronson Maintenance Shop	Dale Foster	453-2129
			b		X		X	Used Oil			
			c	070	X		X	Oil Filters			
			d	017	X		X	Oil Rags			
			e	018	X		X	Spill Debris			
			f		X		X	Anti-freeze			
NASCHF	0	1	a			X		Unknown at this time			
NASCF	504	1	a	174		X		Oil w/ Freon	Hill/Griffin Maintenance	Tom Jackson	452-6335
			b	030		X		Fluorescent Bulbs			
			c			X		Old Ballasts			
NASCF	516	1	a	036		X		Anti-freeze			
NASCF	517	1	a	030	X		X	Fluorescent Bulbs	Hill/Griffin Maintenance	Tom Jackson	
			b				X	Oil w/ Freon			
			c				X	Lead Acid Batteries			
			d				X	PCB Ballast			
			e		X		X	Oil Rags			
			f		X		X	Spill Debris			
NASCF	1082	1	a	176		X		Aerosol Cans			
NASCF	2268	1	a		X		X	Fluorescent Bulbs	Naval Hospital (Hill/Griffin is POC)	Otis Graham	505-6502
			b		X		X	Paint			
NASCF	3719	1	a			X		X-Ray Fixer	Dental Clinic		
NASCF	3749	1	a	036			X	Anti-freeze	Urrutia	Dale Philips or Paul Wallis	982-7073
			b	176			X	Aerosol Cans			
			c	040			X	Oil/Gas/Water			
			d	070			X	Oil Filters			
			e				X	Spill Debris			
			f	017	X		X	Oil Rags			
			g		X		X	Used Oil			
NASCF	3778	1	a	070			X	Oil Filters	NEX Tire Center	Sonny Martin	453-5886
			a	036			X	Anti-freeze			
		2	b	176			X	Aerosol Cans			
		c	018			X	Spill Debris				
NASP	Fire House	1	a		X		X	Used Oil	Greenhut Contruction (new Fire House Construction)	Kenneth Humphries	458-0075
			b		X		X	Waste Paint			
			c		X		X	Paint Rags			
			d		X		X	Paint Filters			
			e		X		X	Aerosol Cans			
			f		X		X	Spill Debris			
NASP	27	1	a	031			X	Photo Fixer	Photo Lab	Jeff Doty	452-4641
			b	032			X	Photo Developer			
NASP	38	1	a	036			X	Anti-freeze	Port Operations	Bob Bailey	452-3988
			b				X	Oil/JP-5 Fuel			
			c				X	Oil/Fuel Filters			
			d	017			X	Oil Rags			

SAA MASTER LIST A9-102

NASP	Site #	Box #	Priority #	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone	
			e 011		X		Paint				
NASP	51	1	a			X	Fire Extinguisher Powder	Fire Station	Jim Malaney	452-3562	
NASP	73	1	a			X	Used Oil	Port Operations	Bob Bailey	452-3988	
NASP	225	1	a		X	X	Oil Rags	Dimensions International	-Ot Wicker (Primary) Marc (After-hours) <i>RUSSELL SLOVE</i>	452-3715 232-8884	
			b		X	X	Paint Rags and Liners				
			c		X	X	Used Oil				
			d		X	X	Waste Paint/Thinner				
			e		X	X	Waste Diesel				
			f		X	X	Waste Anti-Freeze				
			g		X	X	Spill Debris				
			h		X	X	Aerosol Cans				
NASP	253	1	a 003			X	Sterno Cups	Officers Club	Calvin Somerville	455-2276	
NASP	303	1	a		X		Waste from ships	Alpha Pier			
NASP	458	1	a		X	X	Used Oil	Hill/Griffin Maintenance Shop	John Hurst	452-4384	
			b		X	X	Anti-Freeze				
			c		X	X	Oil Filters				
			d		X	X	Spill Debris				
NASP	470	1	a	018			X	Spill Debris	NEX Gas Station	Keith Spradlin	458-3219
			b	070			X	Oil Filters			
		2	a				X	Used Oil			
			b	070			X	Oil Filters			
		3	a	073			X	Mineral Spirits			
			b		X		X	Fuel Filters			
		4	a	036			X	Anti-freeze			
			b	176			X	Aerosol Cans			
c		X		X	Fuel Filters						
NASP	600	1	a		X		X	Fluorescent Bulbs	Bachelor Housing	(Pri.) Scott Cox or (Alt.) Lionell Williams	452-3626
NASP	604	1	a	176			X	Aerosol Cans	NAS Museum	Philip McCarver	452-3604
			b	017			X	Oil Rags			
			c	018			X	Spill Debris (NonHaz)			
			d				X	Blast Media			
		2	a		X		X	Fluorescent Bulbs	MATSG 21	Sgt. Diaz	452-2702
NASP	605	1	a	099			X	Paint (Latex)	NAS Museum	Philip McCarver	452-3604
			b	011			X	Paint			
			c	069			X	Paint Rags			
NASP	607	1	a	176			X	Aerosol Cans	Auto Hobby Shop	John Denny	452-7815
			b	036			X	Anti-freeze			
			c	070			X	Oil Filters			
			d			X		Used Oil (convault)			
			e			X		PD 680			
			f	018			X	Spill Debris			
			g		X		X	Fuel Filters			
NASP	630	1	a	031			X	Photo Fixer/Developer	NEX Photo Lab	Andrea Lowery or Sue Baranona	458-8874 ext.520
			b	170			X	Photo Waste Canisters			

SAA MASTER LIST A9-102

NASP	Bill #	Site	Item	QTY	Res. WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone #
			c	170			X	Photo Waste Filters		Joe Daragon	
NASP	632	1	a	176			X	Aerosol Cans	MWR Gym	N. Quillian	452-2317
			b	155			X	Batteries (Lead Acid)			
NASP	639	1	a	041		X		Batteries (NiCAD)	Ground Electronics		
NASP	685	1	a		X		X	Aerosol Cans	Supply Bachelor Housing	Namon Thompson	452-2909
			b		X		X	Fluorescent Bulbs			
NASP	781	1	a		X		X	Used Oil	NEX Supply Warehouse	Warren Harding	452-3328
			b	018	X		X	Spill Debris			
NASP	782	1	a		X	X		Used Oil	Old Power Plant	Bill Klepac	?
			b		X	X		Oil Rags			
			c		X	X		Spill Debris			
			d		X	X		Paint Chips (Lead)			
			e		X	X		Mercury Switches & Thermostats			
			f		X	X		PCB Ballast			
			g		X	X		Exit Signs			
			h		X	X		Fluorescent Bulbs			
NASP	1538	1	a		X		X	Aerosol Cans (Pesticide)	Pest Control	Marty Ham	452-4581
			b		X		X	Spill Debris w/Pesticide			
			c		X		X	Pesticides			
NASP	1771	1	a				X	Used Oil	Transportation	Beau Rodrique	452-2218
		2	a	176			X	Aerosol Cans			
			b			X		Asbestos Brake Shoes			
		3	a				X	Used Oil			
			b	070			X	Oil Filters			
			c	036			X	Anti-freeze			
			d	018			X	Spill Debris			
			e	049			X	Fuel Filters			
		4	a	007			X	Paint			
		5	a	036			X	Anti-freeze			
			b	176			X	Aerosol Cans			
NASP	1853	1	a	017			X	Oil Rags			
			b	036			X	Anti-Freeze			
			c				X	Oil/Hydraulic/Fuel Filters			
			d	027			X	Paint Rags			
			e	018	X		X	Spill Debris			
			f	029	X		X	Alodine Rags			
		2	a	011			X	Paint	L-3 Aerotech (T-39)	Stan Cates	456-3787
			b		X	X		Oil Rags			
		3	a				X	Aerosol Cans (Non-Paint)	L-3 Aerotech (T-34)	Austin Peterson	456-4049
			b		X	X		Used Oil			
		4	a				X	Used Oil (convault)	L-3 Aerotech (T-34)	Austin Peterson	456-4049
		5	a	017			X	Oil Rags			
			b	011	X	X		Paint			
			c	027	X	X		Paint Rags			
			d	029	X	X		Alodine Rags			
			e		X		X	Used Oil			

SAA MASTER LIST A9-102

NASP	IBID	Site	Phase	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone	
		6	a		X		Used Oil	L-3 Aerotech (T-6)	Howard Kistler	452-3636	
			b			X	Alcohol/Toulene/NAPTHA				
			c		X	X	Alcohol/Toulene/NAPTHA Rags				
		7	a	018		X	Spill Debris				
			b	017		X	Oil Rags				
		8	a			X	Alcohol				
			b			X	Petroleum Oils				
		10	a		X	X	Fluorescent Bulbs	VT Squadron 10	Matthew Hendrickson	452-2729	
NASP	1854	1	a	027		X	Paint Rags	Sikorsky (6/03: Sites 1-5 moved to building 3580)	Richard Lindsey	452-4666	
			2	a	071		X				Paint
				b			X				Used Oil
		3	a	057		X	Paint Filters				
			a	023		X	Lead Acid Water				
		5	a	014		X	Parts Washer Sludge				
			b	036		X	Anti-Freeze				
			c	070		X	Oil Filters				
		6	d			X	Oil Rags				
			a	070			X	Oil Filters			
		7	b	017			X	Oil Rags			
			a			X		Used Oil			
		8	b		X		X	Waste JP-8			
a	007				X	Paint					
9	b	027			X	Paint Rags					
	a	077			X	Oil Rags					
			b	018		X	Spill Debris (oil & fuel)	Sikorsky	Carl Plowman	452-2854	
NASP	1931	1	a			X	Waste JP-8	Sikorsky	Pete Cappo	452-2160	
NASP	1936	1	a	040		X	Oil/Gas	Sherman Cove Marina	Chris Stepp	232-0374	
			b		X	X	Used Oil				
			c		X	X	Oil Rags				
			d		X	X	Oil Filters				
			e		X	X	Spill Debris				
			f		X	X	Aerosol Cans				
NASP	2600	1	a			X	Used Oil	Transient Line	Andy Hansen Dave Christensen	452-2672 452-9458	
			b	017		X	Oil Rags				
NASP	2644	1	a			X	Used Oil	DOS Aviation	Mike Shepherd J.D. Gaither	452-8650 452-8658	
			b	070		X	Oil Filters				
			c	017		X	Oil Rags				
			d	018		X	Spill Debris				
NASP	2691	1	a	018		X	Spill Debris	Golf Maintenance	Al Whorff	452-2555	
			b			X	Used Oil				
NASP	3211	1	a			X	Used Oil	Bowling Alley	Greg Heck	452-4630	
			b	176		X	Aerosol Cans				
NASP	3215	1	a	036		X	Anti-freeze	Fidelity	Kenny Portis	452-4700	
			b	017		X	Oil Rags				
			c	070		X	Oil Filters				
			d			X	Used Oil				

SAA MASTER LIST A9-102

NASP	EBU	Line	Waste Stream	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone
			e	018		X	Spill Debris			
			f			X	Aerosol Cans (Non-Paint)			
NASP	3221	1	a	031		X	Photo Fixer	NAS Museum	Philip McCarver	452-3604
			b	032		X	Photo Developer			
		2	a	027		X	Paint Rags			
			b	011		X	Paint			
		3	a	056		X	Media Blast (Al Oxide)			
		4	a			X	Stripper Rags & Paint Chips			
			b	007		X	Stripper			
		5	a	011		X	Paint			
		6	a	017		X	Oil Rags			
			b	018		X	Spill Debris			
			c			X	Oil/Gas/Water			
			d			X	Used Oil			
		7	a	069		X	Paint Rags			
		8	a	176		X	Aerosol Cans			
			b	099		X	Paint (Latex)			
			c			X	Batteries (NiCAD)			
			d			X	Old Ballasts			
		9	a	011		X	Paint			
			b	027		X	Paint Rags			
			c	029		X	Alodine Rags			
			d	018		X	Spill Debris			
		10	a	029		X	Alodine Rags			
			b	027		X	Paint Rags			
			c		X	X	Paint Chips			
		11	a	011		X	Paint			
		12	a	027		X	Paint Rags			
			b	011		X	Paint			
		13	a		X	X	Used Oil			
			b	070	X	X	Oil Filters			
			c	017	X	X	Oil Rags			
14	a	007	X	X	Paint					
	b	027	X	X	Paint Rags					
15	a		X	X	Oil/Hydraulic Fluid					
	b	017	X	X	Oil Rags					
16	a	070	X	X	Hydraulic/Oil Filters					
	b	036	X	X	Anti-Freeze					
	c		X	X	Aerosol Cans (Paint)					
	d		X	X	Fuel Filters					
NASP	3229	1	a		X	X	Coolant	NAMRL - Engineering Shop	Tommy Lacarbo	452-3206
			b		X	X	Aerosol Cans (Non-Paint)			
			c		X	X	Oil Rags			
			d		X	X	Fluorescent Bulbs			
			a	071		X	Paint			
			b			X	Used Oil		Michael Helms &	

SAA MASTER LIST A9-102

NASP	Blgd #	Site	Cont Stream	Prefix	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC <small>Michael Heilits &amp;</small> Heather Daniels	POC Phone #	
NASP	3244	1	c	070			X	Oil Filters	Sailing Facility	Heather Daniels	452-4152	
			d	017			X	Oil Rags				
			e		X		X	Fuel Filters				
NASP	3255	1	a		X		X	Used Oil	Ground Electronics	Dennis Allen Victor Groves	452-8512	
			b		X		X	Oil Rags				
NASP	3260	1	a	014			X	Parts Washer Sludge	Sikorsky	Pete Cappo and Frank Eggleton	452-2160	
		2	a				X	Media Blast (Al Oxide)				
		3	a					X				Oils & Teksol
		4	a					X				Used Oil
		5	a	048				X				PD 680 w/Cadmium
			b	014				X				Parts Washer Sludge
		6	a	029				X				Alodine
			b	029				X				Alodine Rags
		7	a	011				X				Paint
			b	027				X				Paint Rags
		8	a	006				X				111 Tric.
		9	a	155				X				Batteries (Lead Acid)
		10	a	041				X				Batteries (NiCAD)
			a	042	X			X				Batteries (NiCAD)
		15	b	102	X			X				Batteries (Lithium)
			c	34	X			X				Batteries (Mercury)
			11	a				X				Used Oil
	12	a	071			X	Paint					
		b	018			X	Spill Debris					
		c	027			X	Paint Rags	L-3 Aertech (T-1)	Curtis Howell	452-4140		
	13	a	069			X	Stripper Rags					
	14	a				X	Used Oil	MWR - Golf Course	Al Whorff	452-2555		
		b	017			X	Oil Rags					
NASP	3447	1	a			X		Oil Rags				
NASP	3460	1	a				X	Media Blast (Plastic)	Mega Building	Craig Smith	452-7480	
		2	a	069			X	Paint Rags				
		3	a	011				X				Paint
			b	069			X					Paint Rags
		4	a	183				X				TAN Test Reagent
			a					X				Oil w/ Chromium
			b					X				Dielectric Solvent
			c				X					Alodine
		5	d	029			X					Alodine Rags
			e	080				X				Fluorescent Bulbs
			f		X			X				Oil Rags
			g		X			X				Gloves w/ Oil
		6	a		X			X				Alodine
			b		X			X				Alodine Rags
		7	a		X			X				Recycleable Thinner
8	a		X			X	Paint Liners					
		a	176				X	Aerosol Cans				

SAA MASTER LIST A9-102

NASP	Bill#	Site	Waste ID	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone	
NASP	3465	1	b	017		X	Oil Rags	NAS Museum	Philip McCarver	452-3604	
			c	069		X	Paint Rags				
			d	080		X	Fluorescent Bulbs				
			e		X	X	Paint				
NASP	3467	1	a	176		X	Aerosol Cans	NEX Facilities	Douglas Manning or Eric Uptegrove	458-3246	
			b	080		X	Fluorescent Bulbs				
			c			X	Old Ballasts				
			d	011		X	Paint				
			e		X	X	Used Oil				
			f		X	X	Lead-Acid Batteries				
NASP	3473	1	a		X	X	Fluorescent Bulbs	Bachelor Housing	Frank Gordon	452-4720	
NASP	3480	1	a			X	Used Oil	Flight Simulator	Ron Jackson	458-7920	
NASP	3482	1	a			X	Used Oil	Sherman Cove	Chris Stepp or Freddie Nelloms	232-0374	
			b		X	X	Oil Rags				
			c		X	X	Oil Filters				
			d		X	X	Spill Debris				
			e		X	X	Aerosol Cans				
NASP	3495	1	a	003		X	Sterno Cups	A.C. Read Clubhouse	Gary Richie	452-2454	
NASP	3496	1	a		X	X	Old Ballasts	MWR Maintenance Shop	Robert Broding	452-3688	
			b	080	X	X	Fluorescent Bulbs				
			c		X	X	Aerosol Cans (Paint)				
NASP	3558	1	a	003	X	X	Sterno Cups	Lighthouse Restaurant	Pearlie Graves	452-3251	
			b	176	X	X	Aerosol Cans				
			c	080	X	X	Fluorescent Bulbs				
NASP	3561	1	a	041		X	Batteries (NiCAD)	PWC Maintenance	Jeff Gullat	452-3784	
			a			X	PCBs				
		2	b	080		X	Fluorescent Bulbs				
			a			X	Used Oil				
			3	b	011		X				Paint
				c	027		X				Paint Rags
				d		X	X				Paint Chips
a	017			X	Oil Rags						
NASP	3578	1	b			X	Used Oil	Air Ops.	AC2 Harris	452-2754	
			c			X	Waste JP-8				
			d		X	X	PD 680				
			a			X	Paint				
NASP	3580	1	b			X	Paint Rags	Sikorsky	Richard Lindsey	452-4666	
			c		X	X	Media Blast (Glass)				
			d		X	X	Oil Filters				
			e		X	X	Spill Debris				
			f		X	X	Paint Chips				
			g		X	X	Gas				
			h		X	X	Lead Acid Battery Water				
			i		X	X	Paint Booth Filters				
			j		X	X	Parts Washer Sludge/Water				
			k		X	X	Anti-Freeze				

SAA MASTER LIST A9-102

NASP	Blgd	Site	Room	Priority	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone
		2	a			X		Brake Shoes			
		3	a			X		Media Blast (Plastic)			
			b			X		Media Blast (Glass)			
		4	a			X		Paint Chips			
NASP	3585	1	a	011			X	Paint	Arresting Crew	ABE2 King	452-9226
			b				X	Used Oil			
			c	070			X	Oil Filters			
			d	017			X	Oil Rags			
			e	040			X	Oil/Gas/Water			
			f			X		Spill Debris (Hazardous)			
NASP	3609	1	a	036		X		Anti-Freeze	Urrutia	Steve Hogge	452-3723
			b			X		Deisel			
			c	070			X	Oil Filters			
			d	040		X		Used Oil			
			e	018			X	Spill Debris			
			f	176		X		Aerosol Cans			
			g		X		X	Fuel Filters			
			h		X		X	Oil/Gas			
			i		X	X		PD 680			
			j		X		X	Oil/Gas Rags			
			k		X		X	Mineral Spirits/Paint Waste			
			l		X	X		Paint Rags			
NASP	3670	1	a	011			X	Paint	Coast Guard	Brad McNeil	453-8282
		2	a	070			X	Oil Filters			
			b	017			X	Oil Rags			
NASP	3680	1	a	176			X	Aerosol Cans	Hill/Griffin Supply, Hazmat Storage BLDG	Matt Sherman	452-2114
			b	017		X		Oil Rags			
			c	011			X	Paint			
			d	080			X	Fluorescent Bulbs			
			e	155		X		Batteries (Lead Acid)			
			f		X		X	Oil w/ Freon			
			a		X		X	Lead-Acid Batteries			
		2	b		X		X	Oil Filters			
			c		X		X	Used Oil			
			a	176			X	Aerosol Cans			
NASP	3695	1	b	036			X	Anti-freeze	MWR - Golf Course	Al Whorff	452-2555
			c				X	Mineral Spirits (Paint Waste)			
			d	009			X	Parts Washer Waste			
			e				X	Used Oil			
			f	070			X	Oil Filters			
			g				X	Asbestos Brake Shoes			
			h		X		X	Spill Debris (NH)			
			a	176	X		X	Aerosol Cans			
NASP	3800	1	a	176	X		X	Aerosol Cans	Beach Houses	Paut Barfield	452-3811
NASP	3819	1	a				X	BioExcel	JOAP Lab	Mike Poff	452-3191 ext. 114
			b	070			X	Oil Filters			
			c	176			X	Aerosol Cans			

**SAA MASTER LIST A9-102**

NAS	Bldg #	Site #	Waste Stream #	Prctn #	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone #	
NASP	3860		a		X		X	Fluorescent Bulbs	Air Force Water Survival	Sgt. Watson	452-5986	
			b		X		X	Lithium Batteries				
NASP	3870	1	a		X	X		Used Oil	Cemetary	Dave Markham	453-0729	
			b		X	X		Spill Debris				
		2	a		X		X					Oil Filters
			b	070	X		X					Used Oil
			c		X		X	Anti-Freeze				
			d		X		X	Oil Rags				
NASP	3875	1	a		X		X	Paint	Navy Lodge	Randy Currence	456-8676	
			b		X		X	Aerosol Cans				
			c		X		X					Fluorescent Bulbs
			d		X		X					Aerosol Cans (Insecticide)
NASP	3882	1	a				X	Fuel Rags	Fuel Farm	Jason Richards	452-3299	
NASP	3887	1	a				X	Used Oil	JOAP Lab	Mike Poff	452-3191 ext. 114	
			b				X	Aquatest Waste				
		2	c				X					TAN/TBN-Waste Solvents
			d		X		X					Ferrogram Waste
			e		X		X	Kerosene				
NASP	3890	1	a		X		X	Fluorescent Bulbs	NAS Brig	Ray Call	452-3620	
NASP	3893	1	a				X	Used Oil	NAS Landscaping	Terry Grice	452-4790	
			b	040			X					Gas
NASP	3905	1	a		X		X	Fluorescent Bulbs	BEQ Maintenance	R.C. Osilla	912-3009	
NASP	3913	1	a				X	Used Oil	Marine Expeditionary	Cpl. Gonzalez Sgt. Hunt	452-9025 452-9027	
			b	017			X					Oil Rags
			c	070			X					Oil Filters
NASP	3925	1	a	017			X	Oil Rags	Fidelity	Kenny Berner	452-7115	
NASP	3967	1	a				X	Used Oil	Ball Field Maintenance	Joe Sinclair or Amos Hill	452-9932	
			b		X		X					Oil Filters
			c		X		X					Oil Rags
			d		X	X						Oil/Gas/Water
			e		X		X					Aerosol Cans
NASSF	804	1	a	174			X	Oil w/ Freon	Hill/Griffin Maintenance (AC Shop)	Tom Jackson	452-6335	
			b		X		X					Fluorescent Bulbs
NASSF	810	1	a	027		X		Paint Rags	Electrician Shop	Mike Steeger	458-7251	
			b	080			X					Fluorescent Bulbs
			c		X	X						Batteries
NASSF	811	1	a			X		PCBs	Hill/Griffin Maintenance	Tom Jackson	452-6335	
			b	011		X						Paint
			c	080		X						Fluorescent Bulbs
NASSF	2421	1	a	01			X	Paint	Fabrication / Repair Shop	Adam McMillan	452-1654	
			b	057			X					Paint Booth Filters
			c				X					Fluorescent Bulbs
NASSF	2439	1	a				X	Used Oil	Urrutia (Old Gas Station)	Barry Philips & Steve Horne	982-7080 452-3723	
			b	070			X					Oil Filters
			c				X					Hydraulic Fluid

SAA MASTER LIST A9-102

NAS	Eligible	Site #	Priority #	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC Name	POC Phone #	
			d 176			X	Aerosol Cans		Steve Hodge		
			e 018			X	Spill Debris				
NASWF	1404	1	a		X		Transmission Fluid	Auto Hobby Shop	1) Doug - POC on site 2) Fred Lehman - POC MWR admin	Doug - 623-7445 Fred - 623-7502 x23	
			b 037		X		Brake Fluid				
		2	a		X		Transmission Fluid				
			b 040			X	Gas				
		3	a 011		X		Paint				
		4	a 070			X	Oil Filters				
5	a 018			X	Spill Debris						
			b 036			X	Anti-freeze				
			a 176			X	Aerosol Cans				
NASWF N Hangar	1406	1	a			X	Solvent Waste Oil & Hydraulic Fluids	L-3 Vertex Aerospace	(1) Rich Hall Geoff Hudleston	(2) 623-7335 981-0053	
			b			X	Paper Rags				
NASWF S Hangar		2	a			X	Aerosol Cans (Paint)				
			b			X	Aerosol Cans (Non-Paint)				
			c 049			X	Fuel Filters				
			d 070			X	Oil Filters				
			e			X	Solvent Waste Oil & Hydraulic Fluids				
			f			X	Mop Water w/Oils				
			g			X	Paper Rags				
NASWF S Hangar	1424	1	a			X	Aerosol Cans (Non-Paint)	L-3 Vertex Aerospace	(1) Dave Cook (2) Delano Norris	623-7380	
			b			X	Aerosol Cans (Paint)				
			c			X	MPK/Alcohol Rags				
NASWF N Hangar		2	a				X				Aerosol Cans (Non-Paint)
			b 049			X	Fuel Filters				
			c 017			X	Oil Rags				
			d			X	Paper Rags				
			e			X	Oil w/ Solvents				
NASWF	1428	1	a			X	Sodium Hydroxide	L-3 Vertex Aerospace	(1) Dave Cook (2) Carth Garrison	623-7380	
			b 046			X	Nitric Acid				
2		a				X	Turco 6813				
		b		X		X	Turco 6776				
3		a				X	Chromic Acid				
		b				X	Oil w/ Solvent (Alcohol)				
		c				X	Used Oil				
		d				X	Rags				
		e				X	Aerosol Cans (Non-Paint)				
				f			X				Aerosol Cans (Paint)
4		a				X	PD 680				
5	a 021				X	Media Blast (Glass & Plastic)					
NASWF	1429	1	a			X	Anti-freeze w/Lead	Transportation Shop, BOS Contractor, PRI/DJI	(1) Elaine Sessions (2) Mike Kuntzike	(1) 626-0131 (2) 983-8513	
			b 036			X	Anti-freeze (NH)				
		2	a 018			X	Spill Debris				
			a			X	Paper Rags				
		3	b 070			X	Oil Filters				

SAA MASTER LIST A9-102

NAS	Facility	Unit	Code	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone
			c	049		X	Fuel Filters			
		4	a			X	Spill Debris			
NASWF	1433	1	a	027		X	Paint Rags	BOS Contractor PRI/DJI	(1) Elaine Sessions	626-0131 983
		2	a	011		X	Paint			8513
NASWF	1441A	1	a	011		X	Paint	BOS Contractor PRI/DJI	(1) Elaine Sessions	626-0131
NASWF	1454	1	a	070		X	Oil Filters	Sikorsky	Scott Truitt	983-9291
			b	049		X	Fuel Filters			
			c			X	Paper Filters Oil/Fuel			
			d			X	PD 680 Type II			
			e			X	Brakes			
			f	036		X	Anti-freeze			
			g			X	Used Oil			
		2	a			X	JP-5/PD680/Mo Gas/Hydraulic Fluid			
NASWF	1475	1	a			X	Lane Cleaner	Bowling Alley	(1)Greg Persondek (2)Phillip Coleman	623-7313
NASWF	1478	1	a			X	Mineral Spirits/Battery Acid Towels	L-3 Vertex Aerospace	Dave Cook	623-7380
NASWF	2805	1	a		X	X	Oil Rags	L-3 Vertex Aerospace	Dave Cook	623-7380
NASWF	2866	1	a	070		X	Oil Filters	Gas Station	(1)Darice Cherry (2)Bob Eisenbeck	623-8088
			b		X	X	Aerosol Cans (Non-Paint)			
		2	a	049		X	Fuel Filters			
			b	018		X	Spill Debris			
		3	a	049		X	Fuel Filters			
			b	036		X	Anti-freeze			
NASWF	2886	1	a	041		X	Batteries (NiCAD)	BOS Contractor PRI/DJI	Elaine Sessions	626-0131
			b	102		X	Batteries (Lithium)			
			c	034		X	Batteries (Mercury)			
			d			X	Batteries (Alkaline)			
			e			X	Old Ballasts			
		2	a			X	Paint from Aerosol Cans			
		3	a			X	Waste from Non-Aerosol Cans			
NASWF	2924	HW	10		X		Paper Rags			
NASWF	2941	1	a	011		X	Paint (MPK)	L-3 Vertex Aerospace	Dave Cook	623-7380
			b	027		X	Paint Rags			
NASWF	2941	2	a		X	X	Oil Filters	L-3 Vertex Aerospace, T-6 Warehouse	(1)Bill Brumbaugh (2)Tim Whitfield	623-7309
			b		X	X	Fuel Filters			
			c		X	X	Oil Rags			
			d		X	X	Anti-Freeze			
			e		X	X	Used Oil			
		3	a		X	X	Fuel/Water			
NASWF	2946	1	a			X	Hydraulic Fluid	L B & B Associates	(1)Bill Levaugh (2)Porter Timmons	626-1176
			b		X		Solid Hydraulic Waste (Hoses & Rags)			
NASWF	2993	1	a	018		X	Spill Debris	L B & B Associates	Bill Curran	623-7569
			b	036		X	Anti-Freeze			
			c			X	Gas (Mo)			
			d	049		X	Fuel Filters			

SAA MASTER LIST A9-102

NAS	EU	Sub	Code	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone	
NASWF	3005	1	a		X		Hydraulic Fluid	L B & B Associates	(1)Bill Levaugh (2)Porter Timmons	626-1176	
			b		X		Solid Hydraulic Waste (Hoses & Rags)				
NASWF	3024	1	a			X	Turco 6776	L-3 Vertex Aerospace	Rich Hall	623-2223	
			2	a			X				Paper Rags
			3	a	011						X
NASWF	3047	1	a	036			X	Anti-Freeze	Golf Course	(1)Dale Boyett (2)John Butler	623-7297
			b	070			X	Oil Filters			
			c				X	Gas (Av)			
			d	018			X	Spill Debris			
<b>102</b>		<b>195</b>	<b>507</b>		<b>162</b>	<b>80</b>	<b>428</b>				

## ***SUPPORTING DOCUMENTS***

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No Further Action Letters



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4  
ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, S.W.  
ATLANTA, GEORGIA 30303-3104

July 3, 1997

4WD-FFB

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Commanding Officer,  
Southern Division, NAVFACENCOM  
Attn: Mr. Bill Hill (code 1851)  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

SUBJ: Preliminary Site Characterization Report  
Site 4  
Naval Air Station Pensacola  
EPA Site ID No.: FL9170024567

Dear Mr. Hill:

The U. S. Environmental Protection Agency (EPA), has completed the review of the above subject document, dated January 17, 1997. Based upon review of the analytical results, the Agency concurs with the no further action recommendation.

If you have any questions please contact me at (404) 562-8538.

Sincerely,

A handwritten signature in black ink, appearing to read "Gena D. Townsend".

Gena D. Townsend  
Senior Project Manager  
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola  
Henry Beiro/Brian Caldwell, Ensaf, Pensacola  
Allison Dennon, Ensaf, Memphis  
John Mitchell, FDEP

Department of  
Environmental Protection

32501.004  
09.01.04.0010

Lawton Chiles  
Governor

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

September 30, 1997

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

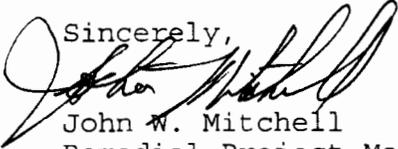
Mr. Bill Hill  
Code 1851  
Southern Division  
Naval Facilities Engineering Command  
2155 Eagle Drive  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

RE: Final Preliminary Site Characterization Report Site 4,  
Response to Comments and Errata Pages, NAS Pensacola

Dear Mr. Hill:

I have completed the technical review of the above referenced document dated January 17, 1997 (received January 21, 1997) and the errata pages dated May 31, 1997 (received August 1, 1997). With my comments addressed, I agree with the conclusion and recommendations for this site. The document is approved as final.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,  
  
John W. Mitchell  
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola  
Gena Townsend, USEPA Region IV  
Henry Beiro, EnSafe, Pensacola  
Brian Caldwell, EnSafe, Knoxville  
Allison Dennen, EnSafe, Memphis  
Karen Atchley, Bechtel, Knoxville  
Tom Moody, FDEP Northwest District  
Pat Kingcade, OGC/Trustee File

TJB

B

JJC

JJC

ESN

ESN

32501.005  
08.01.05.0001



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4

345 COURTLAND STREET, N.E.  
ATLANTA, GEORGIA 30365

4WD-FFB

OCT 04 1995

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Commanding Officer,  
Southern Division, NAVFACENGCOM  
Attn: Mr. Bill Hill (code 1851)  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

SUBJ: Concurrence with July 1995 Final Preliminary Site Characterization (PSC)  
Report for Site 5 (Borrow Pit), Naval Air Station (NAS) Pensacola, Florida  
EPA Site ID No.: FL9170024567.

Dear Mr. Hill:

The U.S. Environmental Protection Agency (EPA), has reviewed the Site 5 (Borrow Pit) PSC report, concurs with the Navy's recommendation for no further investigation, and accepts this document as final.

If you have any questions please contact me (404) 347-3555, extension 6462.

Sincerely,

A handwritten signature in black ink, appearing to read "Jay V. Bassett", with a long horizontal stroke extending to the left.

Jay V. Bassett,  
Remedial Project Manager,  
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola  
Henry Beiro/Brian Cladwell, Ensafe, Pensacola  
Allison Dennen, Ensafe, Memphis  
John Mitchell, FDEP



Lawton Chiles  
Governor

# Department of Environmental Protection

32501.005  
09.01.05.0007

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

August 25, 1995

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

RECEIVED  
AUG 31 1995

Mr. Bill Hill  
Code 1851  
Southern Division  
Naval Facilities Engineering Command  
P.O. Box 190010  
North Charleston, South Carolina 29419-0068

RE: Final Preliminary Site Characterization (PSC) Report  
for Site 5 (Borrow Pit), Naval Air Station Pensacola.

Dear Mr. Hill:

I have completed the technical review of the subject document, dated July 7, 1995 (received July 14, 1995). The analytical results from soil and groundwater samples are below the Preliminary Remedial Goals (PRGs) and Florida Groundwater Guidance values respectively. Thus, this document with the recommendations of no further action, is acceptable as final.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

David M. Clowes, P.G.  
Remedial Project Manager

/dmc

cc: Ron Joyner, NAS Pensacola  
Jay Bassett, EPA Region IV  
Henry Beiro/Brian Caldwell, Ensaf, Pensacola  
Steve Cowan, Bechtel, Knoxville, TN  
Tom Moody, FDEP Northwest District  
John Mitchell, FDEP Natural Resource Trustee

TJB B JJC Bf-JC ESN ESN

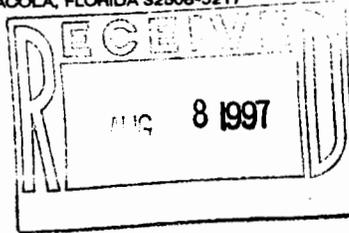


**DEPARTMENT OF THE NAVY**

COMMANDING OFFICER  
NAS PENSACOLA  
190 RADFORD BLVD  
PENSACOLA, FLORIDA 32508-5217

32501.006  
08.01.06.0001

IN REPLY REFER TO



5090  
Ser 00500/511  
30 JUL 1997

Ms. Gena Townsend  
U.S. Environmental Protection Agency  
Region IV  
Atlanta Federal Center  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303-3104

Dear Ms. Townsend:

In accordance with the decision reached by the Pensacola Partnering Team, I request that no further investigations under the Superfund Program be performed at Site 6 on board Naval Air Station Pensacola.

Site 6 is an active construction debris landfill. The State of Florida exempts construction debris landfills from solid waste regulations when used exclusively by the landowner.

Should you have any questions or require additional information regarding this matter, please contact Mr. Ron Joyner of my environmental staff at NAS Pensacola Environmental Office, (850) 452-3900.

Sincerely,

*William H. Taylor, Jr.*  
WILLIAM H. TAYLOR, JR.  
Environmental Officer  
By direction of  
the Commanding Officer

Copy to:  
SOUTHNAVFACENGCOM (Mr. B. Gates, Mr. B. Hill)  
FDEP Tallahassee (Mr. J. Mitchell)  
FDEP Pensacola (Mr. B. Kellenberger)  
ENSAFE Pensacola (Mr. H. Biero)  
ENSAFE Memphis (Ms. A. Dennen)  
ENSAFE Knoxville (Mr. B. Caldwell)  
BECHTEL Knoxville (Ms. K. Atchley)

# Department of Environmental Protect

32501.006  
09.01.06.0008

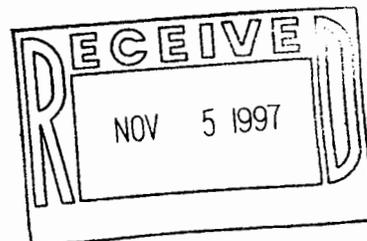
Lawton Chiles  
Governor

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginie B. Wetherell  
Secretary

October 22, 1997

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**



Mr. William Taylor  
Environmental Officer  
5090 Ser 00500/512  
Naval Air Station Pensacola  
190 Radford Boulevard  
Pensacola, Florida 32508-5217

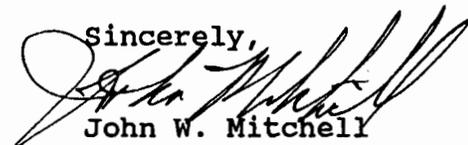
RE: Letter Request, Site 6, Construction Debris Landfill, NAS  
Pensacola

Dear Mr. Hill:

I have completed the technical review of the above referenced letter dated July 30, 1997 (received August 6, 1997) and concur with your request. As agreed by the Pensacola Tier I Partnering Team, Site 6 is currently an active construction debris landfill and no further investigations are required under CERCLA.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

  
John W. Mitchell  
Remedial Project Manager

cc: Bill Hill/Bill Gates, USN SoDiv  
Ron Joyner, NAS Pensacola  
Gena Townsend, USEPA Region IV  
Henry Beiro, EnSafe, Pensacola  
Brian Caldwell, EnSafe, Knoxville  
Allison Dennen, EnSafe, Memphis  
Karen Atchley, Bechtel, Knoxville  
Tom Moody, FDEP Northwest District  
Pat Kingcade, OGC/Trustee File

TJB



JJC



ESN





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4  
ATLANTA FEDERAL CENTER  
100 ALABAMA STREET, S.W.  
ATLANTA, GEORGIA 30303-3104

32501.007  
08.01.07.0001

May 5, 1997

4WD-FFB

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Commanding Officer,  
Southern Division, NAVFACENCOM  
Attn: Mr. Bill Hill (code 1851)  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

SUBJ: Preliminary Site Characterization Report  
Site 7  
Naval Air Station Pensacola  
EPA Site ID No.: FL9170024567

Dear Mr. Hill:

The U. S. Environmental Protection Agency (EPA), has completed the review of the above subject document, dated January 17, 1997. Based upon review of the analytical results, the Agency concurs with the no further action recommendation.

If you have any questions please contact me at (404) 562-8538.

Sincerely,

Gena D. Townsend  
Senior Project Manager  
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola  
Henry Beiro/Brian Caldwell, Ensafe, Pensacola  
Allison Dennon, Ensafe, Memphis  
John Mitchell, FDEP



Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

32501.007  
09.01.07.0024

David B. Struhs  
Secretary

November 9, 2000

Captain Randal Bahr, Commanding Officer  
Naval Air Station Pensacola  
190 Radford Boulevard  
Pensacola, Florida 32508-5217

RE: Decision Document, Site 7, NAS Pensacola

Dear Captain Bahr:

I have completed the technical review of the above referenced Decision Document (DD) dated August 19, 1999. Based upon my review, the enclosed concurrence letter was signed by Mr. Kirby B. Green, Deputy Secretary, Department of Environmental Protection.

If I can be of any further assistance with this matter, please contact me at (850) 921-9989.

Sincerely,

Joseph F. Fugitt, P.G.  
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola  
Gena Townsend, USEPA Region 4  
Bill Hill, SOUTHNAVFACENGCOM  
Allison Harris, Ensafe, Memphis  
Brian Caldwell, Ensafe, Knoxville  
Terry Hansen, Tetra Tech NUS, Inc., Tallahassee  
Charlie Goddard, FDEP Northwest District

TJB

JJC

ESN



Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

October 30, 2000

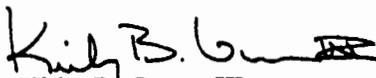
Captain Randal Bahr, Commanding Officer  
Naval Air Station Pensacola  
190 Radford Boulevard  
Pensacola, Florida 32508-5217

Dear Captain Bahr:

The Department of Environmental Protection concurs with the Navy's Decision Document (DD) that specifies No Action for Site 7, Naval Air Station Pensacola. The remedy is cost effective and provides adequate protection of public health, welfare, and the environment.

We appreciate your continued cooperation and look forward to an expeditious environmental recovery of Naval Air Station Pensacola. If you have any questions concerning this letter of concurrence, please contact Joe Fugitt at (850) 921-9989.

Sincerely,

  
Kirby B. Green, III  
Deputy Secretary

KBG/jff



**UNITED STATES ENVIRONMENTAL PROTECTION A  
REGION 4  
ATLANTA FEDERAL CENTER  
61 FORSYTH STREET  
ATLANTA, GEORGIA 30303-8960**

SEP 23 1999

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

4WD-FFB

Commanding Officer  
Naval Air Station Pensacola  
190 Radford Boulevard  
Pensacola, Florida 32508-5217

SUBJ: Record of Decision - Operable Unit 6  
Sites 9 & 29  
NAS Pensacola NPL Site  
Pensacola, Florida

Dear Sir:

The U.S. Environmental Protection Agency (EPA) Region 4 has reviewed the above subject decision document and concurs with the selected remedy for the Remedial Action at Sites 9 & 29. This remedy is supported by the removal actions and the previously completed Remedial Investigation and Baseline Risk Assessment Reports.

The selected remedial alternative is no further action. This involves taking no further remedial actions at the site and leaving the environmental media as they currently exist. This remedial action is protective of human health and the environment, complies with Federal and State requirements that are legally applicable or relevant and appropriate to the remedial action and is cost effective.

-2-

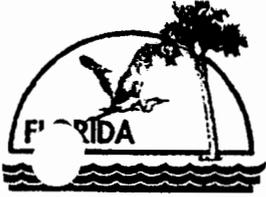
EPA appreciates the coordination efforts of NAS Pensacola and the level of effort that was put forth in the documents leading to this decision. EPA looks forward to continuing the exemplary working relationship with NAS Pensacola and Southern Division Naval Facilities Engineering Command as we move toward final cleanup of the NPL site.

Sincerely,



Richard D. Green, Director  
Waste Management Division

cc: Elsie Munsell, Deputy Assistant Secretary of the Navy  
Ron Joyner, NAS Pensacola  
Bill Hill, SOUTHDIV  
Joe Fugitt, FDEP



32501.009  
09.01.09.0002

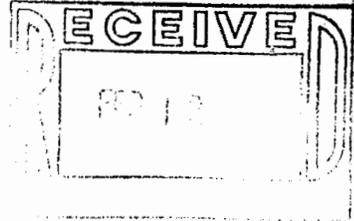
## Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

January 31, 2001



Captain Randal Bahr, Commanding Officer  
Naval Air Station Pensacola  
190 Radford Boulevard  
Pensacola, Florida 32508-5217

RE: Record of Decision, Operable Unit 6, NAS Pensacola

Dear Captain Bahr:

I have completed the technical review of the above referenced Record of Decision (ROD) dated September 7, 1999 and Errata Pages dated November 15, 2000. Based upon my review, the enclosed concurrence letter was signed by Mr. John M. Ruddell, Director, Division of Waste Management, Department of Environmental Protection.

If I can be of any further assistance with this matter, please contact me at (850) 921-9989.

Sincerely,

Joseph F. Fugitt, P.G.  
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola  
Gena Townsend, USEPA Region 4  
Bill Hill, SOUTHNAVFACENGCOM  
~~Allison Harris, Ensafe, Memphis~~  
Brian Caldwell, Ensafe, Knoxville  
Terry Hansen, Tetra Tech NUS, Inc., Tallahassee  
Charlie Goddard, FDEP Northwest District

TJB

JJC

ESN



Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

January 25, 2001

Captain Randal Bahr, Commanding Officer  
Naval Air Station Pensacola  
190 Radford Boulevard  
Pensacola, Florida 32508-5217

Dear Captain Bahr:

The Department of Environmental Protection concurs with the Navy's Record of Decision (ROD) for Operable Unit 6, Naval Air Station Pensacola.

The ROD specifies No Action. The remedy is cost effective and provides adequate protection of public health, welfare, and the environment.

We appreciate your continued cooperation and look forward to an expeditious environmental recovery of Naval Air Station Pensacola. If you have any questions concerning this letter of concurrence, please contact Joe Fugitt at (850) 921-9989.

Sincerely,

John M. Ruddell, Director  
Division of Waste Management

JMR/jff

4WD-FFB

NOV 13 1996

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Commanding Officer,  
Southern Division, NAVFACENGCOM  
Attn: Mr. Bill Hill (code 1851)  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

SUBJ: Concurrence with Nov 1995 Final Preliminary Site Characterization (PSC)  
Report for Site 10 (Commodore's Pond), Naval Air Station (NAS) Pensacola,  
Florida  
EPA Site ID No.: FL9170024567.

Dear Mr. Hill:

The U.S. Environmental Protection Agency (EPA), has reviewed the Site 10  
(Commodore's Pond) PSC report, concurs with the Navy's recommendation for no  
further investigation.

If you have any questions please contact me (404) 347-3555, extension 6462.

Sincerely,



Jay V. Bassett,  
Remedial Project Manager  
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola  
Henry Beiro/Brian Cladwell, Ensafe, Pensacola  
Allison Dennen, Ensafe, Memphis  
John Mitchell, FDEP



32501.010  
09.01.10.0032

# Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

November 9, 2000

Captain Randal Bahr, Commanding Officer  
Naval Air Station Pensacola  
190 Radford Boulevard  
Pensacola, Florida 32508-5217

RE: Decision Document, Site 10, NAS Pensacola

Dear Captain Bahr:

I have completed the technical review of the above referenced Decision Document (DD) dated August 19, 1999. Based upon my review, the enclosed concurrence letter was signed by Mr. Kirby B. Green, Deputy Secretary, Department of Environmental Protection.

If I can be of any further assistance with this matter, please contact me at (850) 921-9989.

Sincerely,

Joseph F. Fugitt, P.G.  
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola  
-Gena Townsend, USEPA Region 4  
Bill Hill, SOUTHNAVFACENGCOM  
Allison Harris, Ensafe, Memphis  
Brian Caldwell, Ensafe, Knoxville  
Terry Hansen, Tetra Tech NUS, Inc., Tallahassee  
Charlie Goddard, FDEP Northwest District

TJB B

JJC JJC

ESN ESN



Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

October 30, 2000

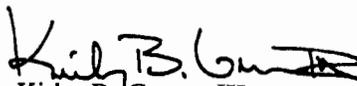
Captain Randal Bahr, Commanding Officer  
Naval Air Station Pensacola  
190 Radford Boulevard  
Pensacola, Florida 32508-5217

Dear Captain Bahr:

The Department of Environmental Protection concurs with the Navy's Decision Document (DD) that specifies No Action for Site 10, Naval Air Station Pensacola. The remedy is cost effective and provides adequate protection of public health, welfare, and the environment.

We appreciate your continued cooperation and look forward to an expeditious environmental recovery of Naval Air Station Pensacola. If you have any questions concerning this letter of concurrence, please contact Joe Fugitt at (850) 921-9989.

Sincerely,

  
Kirby B. Green, III  
Deputy Secretary

KBG/jff

4WD-FFB

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Commanding Officer,  
Southern Division, NAVFACENGCOM  
Attn: Mr. Bill Hill (Code 1851)  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

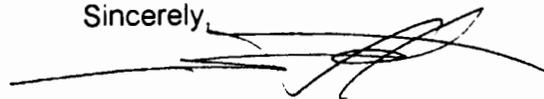
SUBJ: Concurrence with Sept 1995 Final Preliminary Site Characterization (PSC)  
Report for Site 13 (Magazine Point Dredge Spoil Area and Construction  
Debris Piles Area), Naval Air Station (NAS) Pensacola, Florida  
EPA Site ID No.: FL9170024567.

Dear Mr. Hill:

The U.S. Environmental Protection Agency (EPA), has reviewed the Site 13 PSC report, concurs with the Navy's recommendation for no further investigation, as dredged material do not pose an unacceptable risk, and contamination of groundwater and ditch sediments are being addressed in the OU 10 RI/FS and ROD. Noted is that any potential ecological concerns in relation to a possible discharge to the Bayou Grand/Pensacola Bay would be addressed in the Site 40 & 42 Investigation, therefore, EPA expects that the Sites 40 & 42 RI report will evaluate this potential risk.

If you have any questions please contact me (404) 347-3555, extension 6462.

Sincerely,



Jay V. Bassett,  
Remedial Project Manager  
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola  
Henry Beiro/Brian Cladwell, Ensaf, Pensacola  
Allison Dennen, Ensaf, Memphis  
John Mitchell, FDEP

Department of  
Environmental Protection

32501.032  
09.01.32.0048

Lawton Chiles  
Governor

Twin Towers Building  
2800 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

August 14, 1996

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Bill Hill  
Code 1851  
Southern Division  
Naval Facilities Engineering Command  
2155 Eagle Drive  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

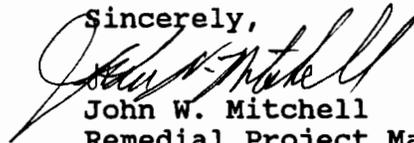
RE: Final Remedial Investigation Report, Operable Unit 10 and  
Site 13, NAS Pensacola

Dear Mr. Hill:

As my comments of November 14, 1996 have been addressed related to the technical review of the errata pages submitted November 8, 1995 (received November 9, 1995) for the above referenced document, the document is approved as final. Any remedial decision for this site will need to be re-evaluated depending on the results from the sediment and surface water analysis for Site 42 (Pensacola Bay). Also, the volatile contamination in monitoring well 33G15 will either need to be further delineated or the groundwater recovery and treatment system redesigned to capture the constituents. This can be specified in the modification to the RCRA permit.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,



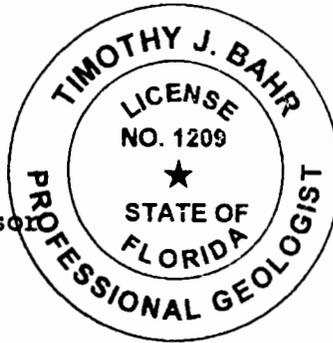
John W. Mitchell  
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola  
Jay Bassett, USEPA Region IV  
Henry Beiro/Brian Caldwell, Ensafe, Pensacola  
Karen Atchley, Bechtel, Knoxville  
Tom Moody, FDEP Northwest District  
Pat Kingcade, OGC/Trustee File

Mr. Bill Hill  
August 14, 1996  
Page two

Reviewed by:

*T. J. Bahr*  
Timothy J. Bahr, P.G.  
Professional Geologist Supervisor  
Bureau of Waste Cleanup



8/14/96  
Date

JJC Bfor JL ESN ESN

JUL 11 1996

4WD-FFB

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Commanding Officer,  
Southern Division, NAVFACENCOM  
Attn: Mr. Bill Hill (code 1851)  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

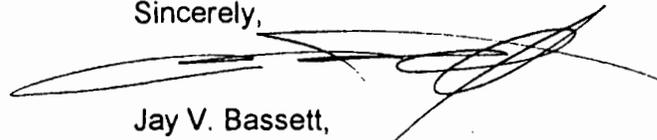
SUBJ: Concurrence with Nov 1995 Final Preliminary Site Characterization (PSC)  
Report for Site 14 (Dredge Disposal Area), Naval Air Station (NAS)  
Pensacola, Florida  
EPA Site ID No.: FL9170024567.

Dear Mr. Hill:

The U.S. Environmental Protection Agency (EPA), has reviewed the Site 14 (Dredge Disposal Area) PSC report, concurs with the Navy's recommendation for no further investigation, as dredge sediments do not pose an unacceptable risk, and accepts this report as final. Noted is that any potential ecological concerns in relation to a possible discharge to the bay would be addressed in the Site 40 & 42 Investigation, therefore, EPA expects that the Sites 40 & 42 RI report will evaluate this risk and the potential for a release in light of erosion of the dredge spoil containment structure.

If you have any questions please contact me (404) 347-3555, extension 6462.

Sincerely,



Jay V. Bassett,  
Remedial Project Manager  
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola  
Henry Beiro/Brian Cladwell, Ensafe, Pensacola  
Allison Dennen, Ensafe, Memphis  
John Mitchell, FDEP

# Department of Environmental Protection

Lawton Chiles  
Governor

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

July 9, 1997

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Bill Hill  
Code 1851  
Southern Division  
Naval Facilities Engineering Command  
2155 Eagle Drive  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

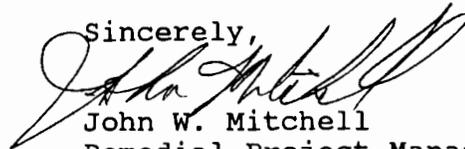
RE: Final Preliminary Site Characterization Report Site 14, NAS  
Pensacola

Dear Mr. Hill:

I previously approved this document as final in March, 1996. However, at your request at our last partnering meeting, I am restating that the document is approved as final. The institutional controls required based on the proposed contingencies are no longer a factor as the contingencies no longer apply.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,



John W. Mitchell  
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola  
Gena Townsend, USEPA Region IV  
Henry Beiro, EnSafe, Pensacola  
Brian Caldwell, EnSafe, Knoxville  
Allison Dennen, EnSafe, Memphis  
Karen Atchley, Bechtel, Knoxville  
Tom Moody, FDEP Northwest District  
Pat Kingcade, OGC/Trustee File

TJB JRC for  
TB

JJC JRC for  
JJC

ESN JRC for  
ESN



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
REGION 4  
ATLANTA FEDERAL CENTER  
100 ALABAMA STREET, S.W.  
ATLANTA, GEORGIA 30303-3104

May 6, 1997

4WD-FFB

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Commanding Officer,  
Southern Division, NAVFACENCOM  
Attn: Mr. Bill Hill (code 1851)  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

SUBJ: Preliminary Site Characterization Report  
Site 16  
Naval Air Station Pensacola  
EPA Site ID No.: FL9170024567

Dear Mr. Hill:

The U. S. Environmental Protection Agency (EPA), has completed the review of the above subject document, dated January 17, 1997. The analytical results identify contaminants which exceed the (groundwater) secondary maximum contaminant levels, however, these results appear to be consistent throughout NAS Pensacola. The Agency concurs with the no further action recommendation.

If you have any questions please contact me at (404) 562-8538.

Sincerely,

A handwritten signature in black ink, appearing to read "Gena D. Townsend".

Gena D. Townsend  
Senior Project Manager  
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola  
Henry Beiro/Brian Caldwell, Ensafe, Pensacola  
Allison Dennon, Ensafe, Memphis  
John Mitchell, FDEP

Department of  
Environmental Protection

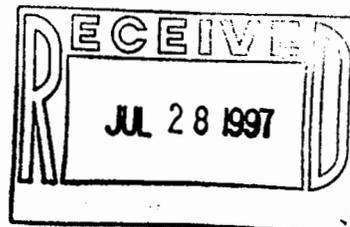
32501.016  
09.01.16.0010

Lawton Chiles  
Governor

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

July 11, 1997



CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. Bill Hill  
Code 1851  
Southern Division  
Naval Facilities Engineering Command  
2155 Eagle Drive  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

RE: Final Preliminary Site Characterization Report, errata  
pages, Site 16, NAS Pensacola

Dear Mr. Hill:

I have completed the technical review of the errata pages dated June 13, 1997 (received June 16, 1997) for the above referenced document dated January 17, 1997 (received January 21, 1997). As the errata pages addressed my comments, I agree with the conclusion that no further action (NFA) is applicable at this site and the document is approved as final.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

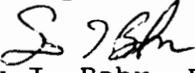
A handwritten signature in black ink, appearing to read "John W. Mitchell".

John W. Mitchell  
Remedial Project Manager

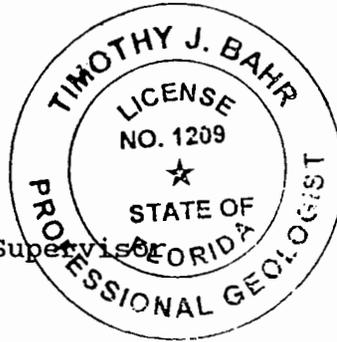
cc: Ron Joyner, NAS Pensacola  
Gena Townsend, USEPA Region IV  
Henry Beiro, EnSafe, Pensacola  
Brian Caldwell, EnSafe, Knoxville  
Allison Dennen, EnSafe, Memphis  
Karen Atchley, Bechtel, Knoxville  
Tom Moody, FDEP Northwest District  
Pat Kingcade, OGC/Trustee File

Bill Hill  
July 11, 1997  
Final PSCR Site 16  
Page two

Reviewed by:



Timothy J. Bahr, P.G.  
Professional Geologist Supervisor  
Bureau of Waste Cleanup



7/17/97  
Date

JJC TJB ESN ESN

TJB B JJC TJB ESN ESN



EPA appreciates the coordination efforts of NAS Pensacola and the level of effort that was put forth in the documents leading to this decision. EPA looks forward to continuing the exemplary working relationship with NAS Pensacola and Southern Division Naval Facilities Engineering Command as we move toward final cleanup of the NPL site.

Sincerely,



Richard D. Green

Director

Waste Management Division

cc: Elsie Munsell, Deputy Assistant Secretary of the Navy  
Ron Joyner, NAS Pensacola  
Bill Hill, SOUTHDIV  
David Grabka, FDEP

bcc: Allison Abernathy, FFRRO/OSWE

# Department of Environmental Protection

Buddy MacKay  
Governor

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Kirby B. Green, III  
Secretary

December 29, 1998

Captain Michael Denkler, Commanding Officer  
Naval Air Station Pensacola  
190 Radford Boulevard  
Pensacola, Florida 32508-5217

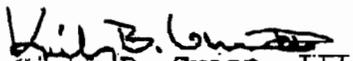
Dear Captain Denkler:

The Department of Environmental Protection agrees with the Navy's selected remedy for Operable Unit 14 (Site 17), Naval Air Station Pensacola.

The Record of Decision specifies the selected remedial alternative as No Action.

We appreciate your continued cooperation and look forward to an expeditious economic and environmental recovery of Naval Air Station Pensacola. If you have any questions concerning this letter of concurrence, please contact Joe Fugitt, Remedial Project Manager, at (850) 921-9989.

Sincerely,

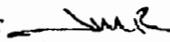
  
Kirby B. Green, III  
Secretary

KBG/dpg

cc: Gena D. Townsend, USEPA  
David P. Grabka, FDEP  
Bill Hill, SOUTHNAVFACENGCOM  
Bill Kellenburger, FDEP Northwest District

**Memorandum****Florida Department of  
Environmental Protection**

**TO:** Kirby B. Green, Secretary

**FROM:** John M. Ruddell, Director   
Division of Waste Management

**DATE:** December 29, 1998

**SUBJECT:** Naval Air Station Pensacola Superfund Site  
Record of Decision for Operable Unit 14 (Site 17)

Attached for your review and signature is a letter of concurrence to Captain Michael Denkler, Commanding Officer, Naval Air Station Pensacola, regarding the Record of Decision (ROD) for Operable Unit 14 (Site 17), Naval Air Station Pensacola (NAS Pensacola). The ROD specifies the selected remedial alternative as No Action.

Operable Unit 14 consists of an area approximately 150 feet by 250 feet, mostly covered by asphalt pavement. The site is divided into three storage yards separated by chain-link fencing: the northern "Scrap Yard" currently stores scrap metal; the central "Goat Yard" currently stores vehicle trailers; and the southern "High-Voltage Yard" stores various types of equipment including vehicles, transformers and utility poles. A residential housing area is located about 200 feet north of the site. Until 1976, Site 17 was an open storage area for 200-300 transformers, some of which contained PCB laden oils. While no deliberate disposal of PCB oils occurred on-site, leakage was suspected.

The final Remedial Investigation report identified an isolated location where arsenic exceeded its FDEP Soil Cleanup Target Level (SCTL) for a residential use scenario. No other inorganic constituents exceeded their SCTL under residential or industrial land use scenarios. Two soil samples contained benzo(a)pyrene at levels slightly exceeding the residential SCTL. One soil sample contained Aroclor 1260 at a level exceeding both residential and industrial SCTLs. A removal action completed in January 1998 eliminated the Aroclor 1260 and arsenic hot spot. The surface soil benzo(a)pyrene concentrations were located beneath asphalt pavement and probably originated from the asphalt.

Sediment located in a storm sewer manhole associated with the "High-Voltage Yard" contained elevated concentrations of metals, pesticides, PAHs and Aroclor 1260 above FDEP Sediment Quality Assessment Guidelines. These sediments will be addressed under storm sewer system maintenance on a base-wide scale.

## MEMORANDUM

MS. VIRGINIA B. WETHERELL

Page two

December 29, 1998

Aluminum, above secondary drinking water standards, was found throughout shallow groundwater at the site, consistent with concentrations detected across NAS Pensacola. No other inorganic/organic parameters exceeded preliminary remedial goals in site groundwater. The upper surficial zone of the Sand-and-Gravel aquifer is not used nor is it anticipated to be used for drinking water.

The Baseline Risk Assessment (BLRA) determined that there was no human health risk exceeding  $1E-06$ .

The No Further Action Proposed Plan was submitted to the NAS Pensacola mailing list and the Restoration Advisory Board. A public notice was published in the Pensacola News Journal on December 8, 1997 followed by a 30 day public comment period. No comments were received, and the Navy has elected to proceed with the Selected Remedial Alternative specified in the ROD.

I recommend that you sign the attached letter of concurrence.

JMR/dpg

Attachment



32501.017  
09.01.07.0034

## Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

April 9, 1999

Mr. Bill Hill  
Code 1851  
Southern Division  
Naval Facilities Engineering Command  
2155 Eagle Drive  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

RE: Final Completion Report for Remediation Work, Various  
Sites, NAS Pensacola

Dear Mr. Hill:

I have completed the technical review of the above  
referenced document dated November 19, 1998 (received  
November 23, 1998). The document appears adequate for its  
intent and is considered final.

If I can be of any further assistance with this matter,  
please contact me at (850) 921-9989.

Sincerely,

*Joseph F. Fugitt*  
Joseph F. Fugitt, P.G.  
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola  
Gena Townsend, USEPA Region IV  
Brian Caldwell, EnSafe, Knoxville  
Allison Harris, EnSafe, Memphis  
Karen Atchley, Bechtel, Knoxville  
Tom Moody, FDEP Northwest District

TJB 3

JJC JJC

ESN ESN

*"Protect, Conserve and Manage Florida's Environment and Natural Resources"*

Printed on recycled paper.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4  
ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, S.W.  
ATLANTA, GEORGIA 30303-3104

May 13, 1997

4WD-FFB

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Commanding Officer,  
Southern Division, NAVFACENCOM  
Attn: Mr. Bill Hill (code 1851)  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

SUBJ: Preliminary Site Characterization Report  
Site 28  
Naval Air Station Pensacola  
EPA Site ID No.: FL9170024567

Dear Mr. Hill:

The U. S. Environmental Protection Agency (EPA), has completed the review of the above subject document, dated December 18, 1996. EPA concurs with the no further action recommendation. and accepts the report as final.

If you have any questions please contact me at (404) 562-8538.

Sincerely,

A handwritten signature in black ink, appearing to read "Gena D. Townsend".

Gena D. Townsend  
Senior Project Manager  
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola  
Henry Beiro/Brian Caldwell, Ensafe, Pensacola  
Allison Dennon, Ensafe, Memphis  
John Mitchell, FDEP



UNITED STATES ENVIRONMENTAL PROTECTION AG  
REGION 4  
ATLANTA FEDERAL CENTER  
100 ALABAMA STREET, S.W.  
ATLANTA, GEORGIA 30303-3104

32501.018  
08.01.18.0001

OCT 02 1996

4WD-FFB

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Commanding Officer,  
Southern Division, NAVFACENCOM  
Attn: Mr. Bill Hill (Code 1851)  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

SUBJ: Concurrence with July 31, 1996, Preliminary Site Characterization Report for Site 18, PCB Spill Area, Naval Air Station (NAS) Pensacola, Florida  
EPA Site ID No.: FL9 170 024 567.

Dear Mr. Hill:

The U.S. Environmental Protection Agency (EPA), has reviewed the referenced Report for Site 18 and accepts it as final. EPA concurs that lead contamination is not associated with Site 18 and will be investigated as part of the Site 45 Preliminary Site Characterization Investigation,

If you have any questions please contact me (404) 347-3555, extension 6462.

Sincerely,

A handwritten signature in black ink, appearing to read "Jay V. Bassett", written over a horizontal line.

Jay V. Bassett,  
Remedial Project Manager  
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola  
Henry Beiro/Brian Cladwell, Ensafe, Pensacola  
Allison Dennen, Ensafe, Memphis  
John Mitchell, FDEP

Department of  
Environmental Protection

32501.028  
09.01.28.0017

Lawton Chiles  
Governor

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

June 13, 1997

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Bill Hill  
Code 1851  
Southern Division  
Naval Facilities Engineering Command  
2155 Eagle Drive  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

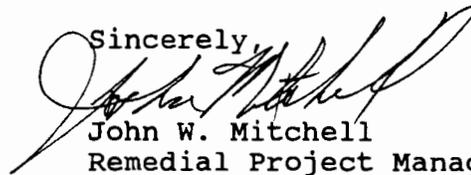
RE: Preliminary Site Characterization Report, Site 28, Errata  
Pages, NAS Pensacola

Dear Mr. Hill:

I have completed the technical review of the above referenced errata pages dated March 19, 1997 (received March 24, 1997). With the receipt of a professional geologist seal and signature, the document is approved as final.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,



John W. Mitchell  
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola  
Gena Townsend, USEPA Region IV  
Henry Beiro, EnSafe, Pensacola  
Brian Caldwell, EnSafe, Knoxville  
Allison Dennen, EnSafe, Memphis  
Karen Atchley, Bechtel, Knoxville  
Tom Moody, FDEP Northwest District  
Pat Kingcade, OGC/Trustee File

32501.028  
08.01.28.0003



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 4  
ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, S.W.  
ATLANTA, GEORGIA 30303-3104

July 17, 1997

4WD-FFB

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Commanding Officer,  
Southern Division, NAVFACENGCOM  
Attn: Mr. Bill Hill (code 1851)  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

SUBJ: Preliminary Site Characterization Report  
Sites 18 & ~~24~~<sup>NO 28</sup>  
Naval Air Station Pensacola  
EPA Site ID No.: FL9170024567

Dear Mr. Hill:

The U. S. Environmental Protection Agency (EPA), has completed the review of the above subject documents and the errata, dated April 3, 1997. The Agency accepts these documents as final.

If you have any questions please contact me at (404) 562-8538.

Sincerely,

A handwritten signature in black ink, appearing to read "Gena D. Townsend".

Gena D. Townsend  
Senior Project Manager  
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola  
Henry Beiro/Brian Caldwell, Ensaf, Pensacola  
Allison Dennon, Ensaf, Memphis  
John Mitchell, FDEP



Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

October 30, 2000

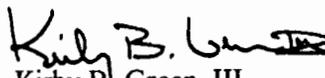
Captain Randal Bahr, Commanding Officer  
Naval Air Station Pensacola  
190 Radford Boulevard  
Pensacola, Florida 32508-5217

Dear Captain Bahr:

The Department of Environmental Protection concurs with the Navy's Decision Document (DD) that specifies No Action for Site 18, Naval Air Station Pensacola. The remedy is cost effective and provides adequate protection of public health, welfare, and the environment.

We appreciate your continued cooperation and look forward to an expeditious environmental recovery of Naval Air Station Pensacola. If you have any questions concerning this letter of concurrence, please contact Joe Fugitt at (850) 921-9989.

Sincerely,

  
Kirby B. Green, III  
Deputy Secretary

KBG/jff

Department of  
Environmental Protection

32501.036  
09.01.36.0034

Lawton Chiles  
Governor

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

July 14, 1997

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. Bill Hill  
Code 1851  
Southern Division  
Naval Facilities Engineering Command  
2155 Eagle Drive  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

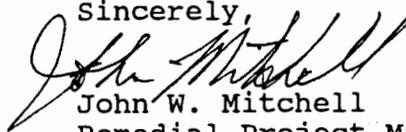
RE: Final Preliminary Site Characterization Report, errata  
pages, Site 36, NAS Pensacola

Dear Mr. Hill:

I have completed the technical review of the errata pages dated June 12, 1997 (received June 16, 1997) for the above referenced document dated April 1997 (received April 29, 1997). As the errata pages addressed my comments, I agree with the conclusion that no further action (NFA) is applicable at this site and the document is approved as final. The contamination detected above regulatory guidelines does not appear related to Site 36. The inorganic and organic contamination is being addressed under IRP Site 38 and petroleum sites UST 11, UST 12, UST 20 and UST 2662.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

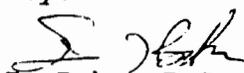


John W. Mitchell  
Remedial Project Manager

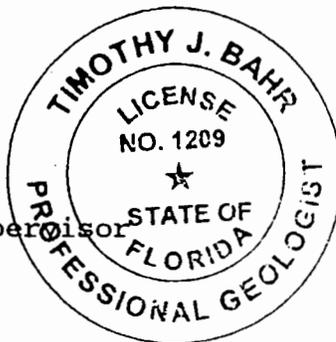
cc: Ron Joyner, NAS Pensacola  
Gena Townsend, USEPA Region IV  
Henry Beiro, EnSafe, Pensacola  
Brian Caldwell, EnSafe, Knoxville  
Allison Dennen, EnSafe, Memphis  
Karen Atchley, Bechtel, Knoxville  
Tom Moody, FDEP Northwest District  
Pat Kingcade, OGC/Trustee File

Bill Hill  
July 14, 1997  
Final PSCR Site 36  
Page two

Reviewed by:



Timothy J. Bahr, P.G.  
Professional Geologist Supervisor  
Bureau of Waste Cleanup



7/14/97

Date

JJC Bfor JC ESN ESW

32501.036  
08.01.36.0001



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
REGION 4  
ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, S.W.  
ATLANTA, GEORGIA 30303-3104

July 16, 1997

4WD-FFB

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Commanding Officer,  
Southern Division, NAVFACENCOM  
Attn: Mr. Bill Hill (code 1851)  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

SUBJ: NAS Pensacola  
Draft Preliminary Site Characterization Report  
Site 36,

Dear Mr. Hill:

The U.S. Environmental Protection Agency (EPA) has completed its review of the above subject document and accepts this document as final. This acceptance is based on the assumption that comments provided to the Navy on the draft report have been satisfactorily resolved and incorporated in the document.

If you have any questions or comments, please call me at (404) 562-8538.

Sincerely,

A handwritten signature in black ink, appearing to read "Gena D. Townsend".

Gena D. Townsend  
Senior Project Manager

cc: Ron Joyner, NAS Pensacola  
Henry Beiro/Brian Caldwell, Ensafe, Pensacola  
Allison Dennon, Ensafe, Memphis  
John Mitchell, FDEP



Lawton Chiles  
Governor

# Department of Environmental Protection

32501.039  
09.01.39.0027

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

September 11, 1995

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

Mr. Bill Hill  
Code 1851  
Southern Division  
NAVFACENCOM  
2155 Eagle Drive  
North Charleston, South Carolina 29419-9010

RE: Record of Decision, Site 39, NAS Pensacola

Dear Mr. Hill:

The Department has agreed with the Record of Decision received March 31, 1995, for Site 39 at NAS Pensacola. Attached is the letter of agreement signed by the Department's Secretary.

I look forward to a productive and cooperative partnership as the new member of the partnering team. Should you have any questions, please contact me at 904/921-9989.

Sincerely,

John W. Mitchell  
Remedial Project Manager

Enclosure

cc: Tom Moody, FDEP Northwest District  
Bill Kellenberger, FDEP Northwest District  
Jay Bassett, USEPA Region IV  
Henry Beiro/Brian Caldwell, Ensafe, Pensacola  
Steve Cowan, Bechtel, Knoxville, TN  
Ron Joyner, NAS Pensacola

TJB

JJC

ESN

"Protect, Conserve and Manage Florida's Environment and Natural Resources"



Lawton Chiles  
Governor

## Department of Environmental Protection

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

August 16, 1995

Captain Tim Thomson, Commanding Officer  
Naval Air Station Pensacola  
190 Radford Blvd.  
Pensacola, Florida 32508-5217

Dear Captain Thomson:

The Department of Environmental Protection agrees with the Navy's selected remedy for a no further action Record of Decision (ROD) for Site 39, Naval Air Station Pensacola.

Due to the limited nature of the contamination found in the remedial investigation and the removal of the stained soil, the site did not warrant the detailed evaluation of remedial alternatives associated with a feasibility study. The Record of Decision presented a no action alternative and five year review that was technically acceptable.

If you have any questions concerning this approval letter, please contact Mr. David M. Clowes, our NAS Pensacola Remedial Project Manager, at (904) 921-9989.

Sincerely,

Virginia B. Wetherell  
Secretary

VBW/dmc

cc: David M. Clowes, FDEP  
Jay Bassett, USEPA

32501.039  
09.01.39.0034

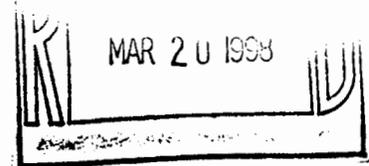
# Department of Environmental Protection

Lawton Chiles  
Governor

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

March 6, 1998



**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Captain Michael Denkler, Commanding Officer  
Naval Air Station Pensacola  
190 Radford Boulevard  
Pensacola, Florida 32508-5217

RE: Explanation of Significant Differences, Site 39  
NAS Pensacola

Dear Captain Denkler:

As per my recommendation for the above referenced  
Explanation of Significant Differences (ESD) dated July, 1997  
(received July 10, 1997), the Department concurs with the ESD  
(see attachment).

If I can be of any further assistance with this matter,  
please contact me at (904) 921-9989.

Sincerely,

John W. Mitchell  
Remedial Project Manager

Attachment

cc: Ron Joyner, NAS Pensacola  
Bill Hill, USN SDIV  
Gena Townsend, USEPA Region IV  
Brian Caldwell, EnSafe, Knoxville  
██████████ EnSafe, Memphis  
Karen Atchley, Bechtel, Knoxville  
Tom Moody, FDEP Northwest District  
Tony Ettore, OGC/Trustee File

TJB

JJC

ESN



# Department of Environmental Protection

Lawton Chiles  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

December 3, 1997

Captain Michael Denkler, Commanding Officer  
Naval Air Station Pensacola  
190 Radford Boulevard  
Pensacola, Florida 32508-5217

Dear Captain Denkler:

The Department of Environmental Protection agrees with the Navy's selected remedy of no further action for Site 39, Naval Air Station Pensacola.

The Explanation of Significant Differences specifies elimination of the five year review specified in the Record of Decision signed and concurred with in July 1995. Elimination of the five year review will increase cost effectiveness while still providing adequate protection of public health, welfare, and the environment.

The determination to eliminate the five year review at Site 39 is consistent with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) as amended by the Superfund Amendments and Reauthorization Act (SARA) and the National Contingency Plan (40 CFR 300).

We appreciate your continued cooperation and look forward to an expeditious environmental restoration of Naval Air Station Pensacola.

Sincerely,

Virginia B. Wetherell  
Secretary

VBW/jwm



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

## REGION 4

345 COURTLAND STREET, N.E.

ATLANTA, GEORGIA 30365

AUG 3 1995

4WD-FFB

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Commanding Officer  
Captain Tim Thomson, USN  
0190 Radford Blvd.  
Pensacola, Florida 32508-5217

Subj: Concurrence with Record of Decision (ROD) for Operable  
Unit 12, Site 39 (Oak Grove Campground);  
Naval Air Station (NAS) Pensacola, Florida  
EPA Site ID No.: FL 9170024567

Dear Captain Thomson:

The U.S. Environmental Protection Agency (EPA) Region IV has reviewed the revised ROD for Operable Unit 12 (Site 39: Oak Grove Campground). EPA concurs with the selected remedy for Site 39, as supported by the previously completed Remedial Investigation (RI) Report and associated Baseline Risk Assessment.

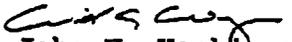
A time critical removal action completed in July 1994 (during the RI) removed all heavily-contaminated soil from the Site. The selected remedy of No Further Action is therefore acceptable, since the Site does not present a threat to human health or the environment under current site conditions. However, since the remedial action will result in hazardous substances remaining on site at levels which could present a threat under certain potential future scenarios, the lead agency shall review the appropriateness of the selected remedial action no less than every five years, in accordance with 40 C.F.R. Section 300.435(f)(4)(ii).

This remedial action is protective of human health and the environment, complies with federal and state requirements that

- 2 -

are legally applicable or relevant and appropriate to the remedial action, and is cost effective.

Sincerely yours,

  
John H. Hankinson, Jr.  
Regional Administrator

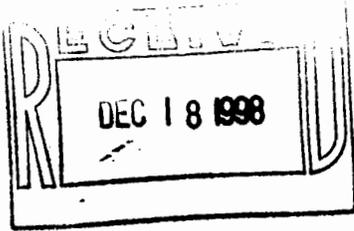
cc: Elsie Monsell, Deputy Assistant Secretary of the Navy  
Ron Joyner, NAS Pensacola  
Bill Hill, SOUTHDIV  
David Clowes, FDEP  
Kevin Smith, EPA-ORC

32501.042  
05.01.42.0007



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
REGION 4  
ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, SW  
ATLANTA, GEORGIA 30303-8909

SEP 25 1998



CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

4WD-FFB

Commanding Officer  
Naval Air Station Pensacola  
190 Radford Boulevard  
Pensacola, Florida 32508-5217

SUBJ: Record of Decision - Operable Unit 17  
NAS Pensacola NPL Site  
Pensacola, Florida

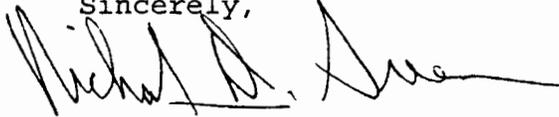
Dear Sir:

The U.S. Environmental Protection Agency (EPA) Region 4 has reviewed the above subject decision document and concurs with the selected remedy for the Remedial Action at Site 42. This remedy is supported by the previously completed Remedial Investigation and Baseline Risk Assessment Reports.

The selected remedial alternative is no further action. This involves taking no further remedial actions at the site and leaving the environmental media as they currently exist. This remedial action is protective of human health and the environment, complies with Federal and State requirements that are legally applicable or relevant and appropriate to the remedial action and is cost effective.

EPA appreciates the coordination efforts of NAS Pensacola and the level of effort that was put forth in the documents leading to this decision. EPA looks forward to continuing the exemplary working relationship with NAS Pensacola and Southern Division Naval Facilities Engineering Command as we move toward final cleanup of the NPL site.

Sincerely,

A handwritten signature in black ink, appearing to read "Richard D. Green". The signature is fluid and cursive, with a long horizontal stroke at the end.

Richard D. Green  
Director  
Waste Management Division

cc: Elsie Munsell, Deputy Assistant Secretary of the Navy  
Ron Joyner, NAS Pensacola  
Bill Hill, SOUTHDIV  
David Grabka, FDEP

bcc: Allison Abernathy, FFRRO/OSWE



32501.042  
09.01.42.0014

## Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

June 2, 2000

Captain Randal Bahr, Commanding Officer  
Naval Air Station Pensacola  
190 Radford Boulevard  
Pensacola, Florida 32508-5217

RE: Record of Decision, Operable Unit 17, NAS Pensacola

Dear Captain Bahr:

I have completed the technical review of the above referenced Record of Decision (ROD) dated May 6, 1998 and Errata Pages dated November 10, 1998. Based upon my review, the enclosed concurrence letter was signed by Mr. David B. Struhs, Secretary, Department of Environmental Protection.

If I can be of any further assistance with this matter, please contact me at (850) 921-9989.

Sincerely,

*Joseph F. Fugitt*

Joseph F. Fugitt, P.G.  
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola  
Gena Townsend, USEPA Region 4  
Bill Hill, SOUTHNAVFACENCOM  
Allison Harris, Ensafe, Memphis  
Brian Caldwell, Ensafe, Knoxville  
Terry Hansen, Tetra Tech NUS, Inc., Tallahassee  
Charlie Goddard, FDEP Northwest District

TJB TJB

JJC JJC

ESN ESN



Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

May 22, 2000

Captain Randal Bahr, Commanding Officer  
Naval Air Station Pensacola  
190 Radford Boulevard  
Pensacola, Florida 32508-5217

Dear Captain Bahr:

The Department of Environmental Protection concurs with the Navy's Record of Decision (ROD) for Operable Unit 17, Naval Air Station Pensacola.

The ROD specifies No Action. The remedy is cost effective and provides adequate protection of public health, welfare, and the environment.

We appreciate your continued cooperation and look forward to an expeditious economic and environmental recovery of Naval Air Station Pensacola. If you have any questions concerning this letter of concurrence, please contact Joe Fugitt at (850) 921-9989.

Sincerely,

David B. Struhs  
Secretary

DBS/jff

cc: Gena D. Townsend, USEPA Region 4  
Bill Hill, SOUTHNAVFACENGCOM  
Charlie Goddard, FDEP Northwest District

32501.005  
08.01.05.0001



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4

345 COURTLAND STREET, N.E.  
ATLANTA, GEORGIA 30365

4WD-FFB

OCT 04 1995

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Commanding Officer,  
Southern Division, NAVFACENGCOM  
Attn: Mr. Bill Hill (code 1851)  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

SUBJ: Concurrence with July 1995 Final Preliminary Site Characterization (PSC)  
Report for Site 5 (Borrow Pit), Naval Air Station (NAS) Pensacola, Florida  
EPA Site ID No.: FL9170024567.

Dear Mr. Hill:

The U.S. Environmental Protection Agency (EPA), has reviewed the Site 5 (Borrow Pit) PSC report, concurs with the Navy's recommendation for no further investigation, and accepts this document as final.

If you have any questions please contact me (404) 347-3555, extension 6462.

Sincerely,

A handwritten signature in black ink, appearing to read "Jay V. Bassett", written over a horizontal line.

Jay V. Bassett,  
Remedial Project Manager,  
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola  
Henry Beiro/Brian Cladwell, Ensafe, Pensacola  
Allison Dennen, Ensafe, Memphis  
John Mitchell, FDEP



# Department of Environmental Protection

32501.005  
09.01.05.0007

Lawton Chiles  
Governor

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

August 25, 1995

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

RECEIVED  
AUG 31 1995

Mr. Bill Hill  
Code 1851  
Southern Division  
Naval Facilities Engineering Command  
P.O. Box 190010  
North Charleston, South Carolina 29419-0068

RE: Final Preliminary Site Characterization (PSC) Report  
for Site 5 (Borrow Pit), Naval Air Station Pensacola.

Dear Mr. Hill:

I have completed the technical review of the subject document, dated July 7, 1995 (received July 14, 1995). The analytical results from soil and groundwater samples are below the Preliminary Remedial Goals (PRGs) and Florida Groundwater Guidance values respectively. Thus, this document with the recommendations of no further action, is acceptable as final.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

David M. Clowes, P.G.  
Remedial Project Manager

/dmc

cc: Ron Joyner, NAS Pensacola  
Jay Bassett, EPA Region IV  
Henry Beiro/Brian Caldwell, Ensafe, Pensacola  
Steve Cowan, Bechtel, Knoxville, TN  
Tom Moody, FDEP Northwest District  
John Mitchell, FDEP Natural Resource Trustee

TJB B JJC Bf-JC ESN ESN