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NSY PORTSMOUTH  
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CONTRACTOR'S FINAL REPORT FOR ASH CONTAMINATED SOIL EXCAVATION AT  
BUILDING 62 NSY PORTSMOUTH ME  
4/1/1999  
FOSTER WHEELER ENVIRONMENTAL CORPORATION

**U.S. NAVY NORTHERN DIVISION  
REMEDIAL ACTION CONTRACT (RAC)  
CONTRACT NO. N62472-94-D-0398  
DELIVERY ORDER NO. 0037**

**CONTRACTOR'S FINAL REPORT  
FOR  
ASH CONTAMINATED  
SOIL EXCAVATION AT BUILDING 62  
PORTSMOUTH NAVAL SHIPYARD  
KITTERY, MAINE**

**April 1999**

Prepared by

**Foster Wheeler Environmental Corporation  
470 Atlantic Avenue  
Boston, Massachusetts 02210**

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## ATTACHMENT

Attachment 1 Soil Excavation Site Drawing

## **1.0 INTRODUCTION**

Foster Wheeler Environmental Corporation (Foster Wheeler) was contracted by the Northern Division, Naval Facilities Engineering Command to provide various remedial actions at the Portsmouth Naval Shipyard (PNSY) in Kittery, Maine. This final report describes the field activities involving excavation of ash contaminated soil at Building 62. This final report has been prepared to satisfy requirements of the Remedial Action Contract (RAC) No. N62472-94-D-0398, Delivery Order No. 0037.

## **2.0 SITE DESCRIPTION**

### **2.1 Project Location**

PNSY is located on Seavey Island in Kittery, Maine along the New Hampshire border. The Piscataqua River surrounds the facility on all sides (Figure 2-1). The site (Bldg. 62) is located in the northwest section of the facility between Gate Nos. 1 and 2 (Figure 2-2).

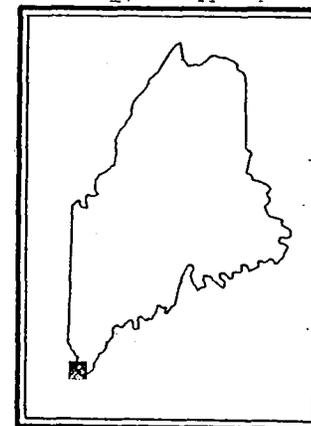
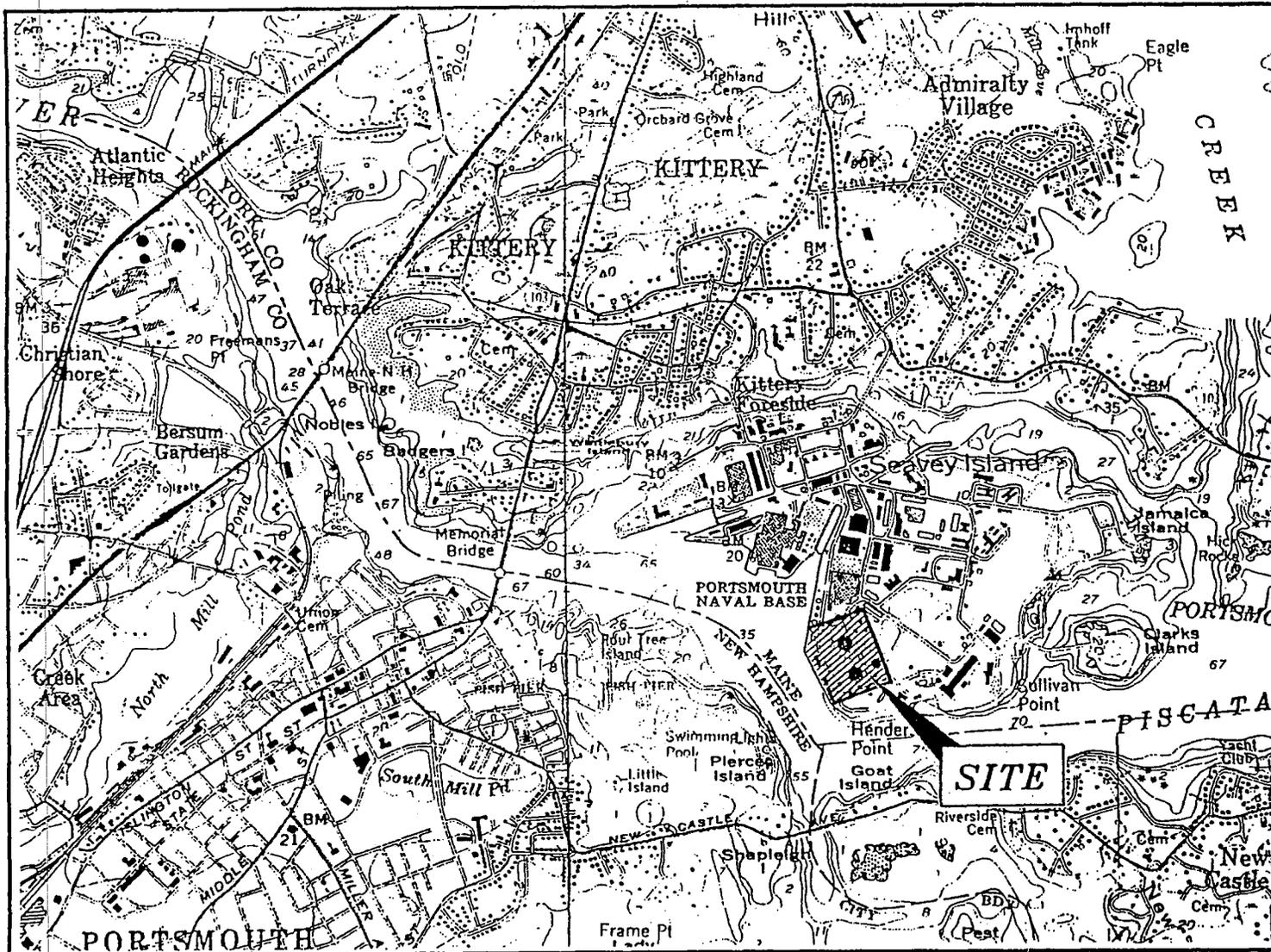
### **2.2 Project Objectives**

The general objective of the remediation was to remove ash contaminated soil, perform conformation sampling and restore area with topsoil and seed.

## **3.0 REMEDIAL ACTIONS**

Foster Wheeler performed excavation activities on February 3, 1999. Foster Wheeler secured the area with caution tape to eliminate personnel from entering the work area. Pre-excavation activities also included a Health & Safety briefing conducted by Tom Hawthorne. Foster Wheeler utilized a JD710 backhoe to perform the excavation, all material was directly placed in 55-gallon 17H drums for disposal. Foster Wheeler performed air monitoring, along with applying water in the work area to eliminate dust exposure to workers and the public. Foster Wheeler personnel used Level D protection during this entire activity.

The request for proposal (RFP) dated December 21, 1998 stated that Foster Wheeler excavate a small amount of material (two 55 gallon drums) from behind Building 62. Once Foster Wheeler began excavation, it was clear to Kevin White (Site Superintendent) that the Navy request to excavate two 55-gallon drums would not be sufficient, Foster Wheeler continued beyond the two drums and excavated a total of six (6) 55-gallon drums. At this point it was further apparent that this excavation would not terminate at six drums. The excavation still contained visible ash contamination on all four sidewalls and the base of the excavation. The excavation area was 6' wide x 6' long x 2'5" deep (Attachment 1) and was not visually clean. At this time, Foster Wheeler chose to terminate this excavation and await direction from the Navy. Foster Wheeler performed decontamination of the backhoe bucket by removing all visible soil and replaced the hermculite cover over the excavation area.



MAINE  
QUADRANGLE LOCATION

**SOURCE:**

PORTSMOUTH, MAINE - NEW HAMPSHIRE  
KITTERY, MAINE - NEW HAMPSHIRE  
TOPOGRAPHIC MAP  
PHOTOREVISED 1988

**PREPARED BY:**



FOSTER WHEELER ENVIRONMENTAL CORPORATION  
470 ATLANTIC AVENUE, BOSTON, MA 02210

**FIGURE 2-1**

HYDROGEOLOGIC INVESTIGATION  
PORTSMOUTH NAVAL SHIPYARD

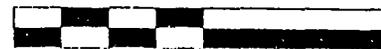
**SITE LOCATION MAP**

SCALE: AS SHOWN

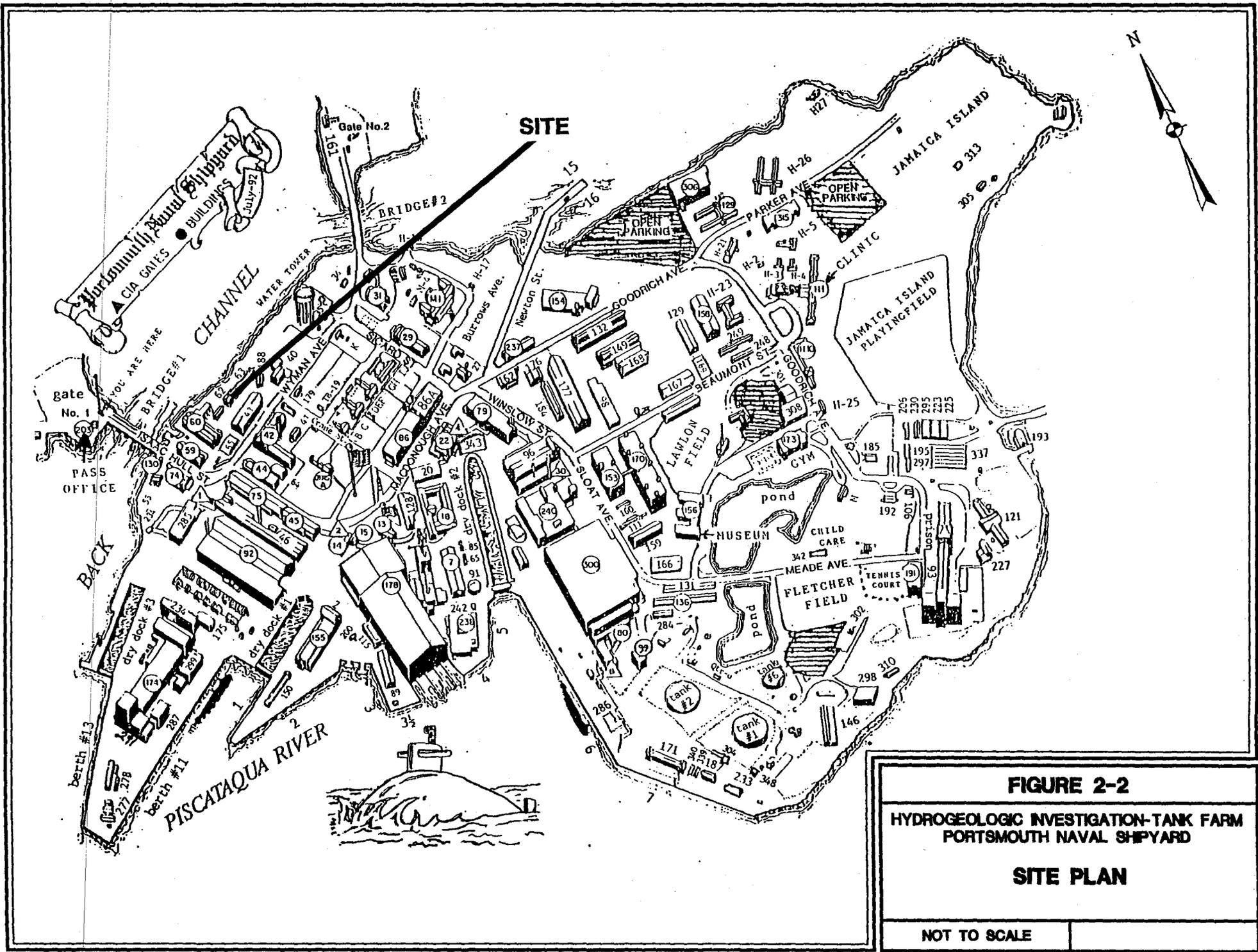
**NOTE:**

PLAN WAS COMPILED FROM FIGURE 1-2A, ENTITLED "SITE LOCATION, HYDROGEOLOGIC INVESTIGATION, PORTSMOUTH NAVAL SHIPYARD", PREPARED BY STERNS & WHEELER, MAY 1995, JOB NO. 2775.

2000' 1000' 0 2000'



SCALE IN FEET



**FIGURE 2-2**  
**HYDROGEOLOGIC INVESTIGATION-TANK FARM**  
**PORTSMOUTH NAVAL SHIPYARD**

**SITE PLAN**

NOT TO SCALE

#### **4.0 SAMPLING ACTIVITIES**

Foster Wheeler did not perform any conformation sampling due to the fact that excavation still contained visibly contaminated soil.

#### **5.0 TRANSPORTATION AND DISPOSAL**

Upon completion of excavation activities, Foster Wheeler transported the six (6) drums to the PNSY Hazardous Waste Building (#357) for transportation and disposal. Foster Wheeler was not responsible for any off-site disposal of the material, this task was performed by the Navy.

#### **6.0 SITE RESTORATION**

Foster Wheeler did not perform any site restoration activities at this time. If requested by the Navy, Foster Wheeler will continue the excavation and at that time perform site restoration activities as required by the RFP.

BLDG. 62

12'

HERMICALITE COVER (STILL IN PLACE)

EXCAVATION APPROX: 6'x6'x2.5'  
W L D

(6) 55 GAL. DRUMS  
TRANSFERRED TO BLDG. #357  
FOR DISPOSAL

3'

PAVED ROADWAY



BLDG. 62 ASH CONTAMINATED  
SOIL EXCAVATION  
2/3/99