

FOSTER  WHEELER
FOSTER WHEELER ENVIRONMENTAL CORPORATION

December 16, 1998

Commanding Officer
Northern Division
Naval Facilities Engineering Command
10 Industrial Highway, Mail Stop 82
Lester, PA 19113-2090
Attn: Code 4022 (T. Gibison)

RE: Building 6 Summary of Activities and Current Status, DO13 NETC, Newport,
Rhode Island

The following is a summary of the activities which have taken place for the PCB soil removal at Building 6:

BUILDING 6/ TP 14 PCB SOIL REMOVAL

Initial PCB Soils Removal (6/1/98 - 6/3/98)

Under Remediation Action Contract N62472-94-R-0398 Delivery Order No. 013 Foster Wheeler Environmental Corporation (FWENC) was selected as the Contractor to complete the removal of PCB soils, stockpiled adjacent to Building 6 of the NETC.

From 6/1/98 through 6/3/98, 35 cu-yds of soils were removed and 9 confirmatory samples collected for VOC,s, SVOCs, TPH, RCRA 8 Metals and PCB and Pesticides. The 9 confirmatory samples comprised 4 wall samples of the excavation, 1 floor sample, and 4 migratory pathway samples including one under the Building 6 loading dock area near the NE stair footing. The excavated area was 21 ft x 15 ft x 2 ft below ground surface (bgs) at the base of the vegetated mound on the north extent of the asphalt parking lot. Sample results revealed exceedences in PCB residential and industrial standards throughout the excavated area and a further investigation to delineate the contamination was determined necessary.

Building 6 Site Characterization (9/2/98 - 9/3/98)

In response to the above soils removal and sampling results, a field investigation was conducted by FWENC personnel on 9/2/98 and 9/3/98 as described in the Building 6 Site Characterization and Sampling Analysis Plan to further delineate the PCB affected

soils around Building #6. This work was dictated in a memorandum dated 7/13/98 from NORTHDIV, Code 4022 and was performed under Delivery Order No. 0013 to NAVY Contract N62472-94-D-0398. The field investigation consisted of collecting surface and subsurface soil samples, sediment, liquid or sludge samples and stone/concrete samples from the following areas:

- upgradient from TP - 14, in the vegetated mound and on the concrete transformer pads in the storage area,
- east of TP - 14 at the edge of the wetlands adjacent to the railroad tracks,
- downgradient from TP - 14 in and around the drainage basin in the asphalt parking lot.
- no liquid or sludge samples were collected from the drainage basin area because it was dry.

Figures 4-1 and 4-2 of the PCB Sampling and Analysis Summary dated 9/23/98 illustrate the 22 sample locations from the above investigation and the PCB sampling results. None of the sample locations exceeded the residential limits as set forth in the RIDEM Remediation Regulations. Based on these results, the PCB contamination can be considered to be within the areas bordering the north, south and eastern extents of the sample locations and the TP -14 location.

Expanded Area Excavation (11/23/98 - 11/25/98)

In an attempt to remove additional PCB contaminated soils from Building 6 and the Test Pit 14 area, an expanded area excavation was conducted on 11/23/98, 11/24/98 and 11/25/98. This expanded area excavation (EAE) involved the following:

- Extended the original TP - 14 eastern border into the drainage swale to a depth of 2 feet below ground surface (bgs) and encroaching the 30 inch width stream which bisects this portion of the grid.
- Extended the TP - 14 western border by 12 feet and to a depth of 2 feet bgs.
- Extended the southern extent of TP -14 by 5 feet into the asphalt parkway and to a depth of 2 feet bgs.
- Expanded the approximate center of the TP - 14 which was already 2 ft bgs to a total of 5.5 feet bgs and the top of fractured bedrock. The southern extent of this portion which includes the asphalt driveway was extended an additional 2 feet south for a total of 7 feet beyond the asphalt/vegetation boundary in an attempt to chase visible soils staining and odor in this area.
- Excavated a 6 foot X 6 foot grid around the NE footing for the dock stairs at Building 6 to a depth of 2 feet bgs.

Sampling Methodology and Results

Fourteen well spaced samples were collected from the floor and walls of the EAE, 11 from TP - 14 and 3 from Building 6 Dock Area (see figures 3, 4 and table 1-1). The samples were collected and analyzed as per the approved work plan for VOCs (USEPA method 8260), SVOCs (USEPA method 8270), TPH (USEPA method 8015), TPH

(USEPA method 418.1), RCRA 8 Metals , and PCB and Pesticides (USEPA method 8080).

The results from the 11 confirmatory samples in the TP - 14 location indicated that the potential zone of contamination has spread south an unknown distance under the asphalt parking lot and east, into the drainage swale (see figure 1). There is no evidence of PCB contamination upgradient from the TP - 14 LAL location or west of the TP - 14 EAE location.

Results from the 3 confirmatory samples collected in the Building 6 Dock Area revealed an exceedence for PCBs in the center of the 6 foot X 6 foot grid, adjacent to the stair footing (see figure 2).

Further excavation would impact the use of the northern end of the loading dock area and close the northern section of the buildings access road. Excavation would also be restricted by the buildings foundations, underlying bed rock, an abandoned utility cable, and the adjacent railroad tracks.

The site is currently secured with fencing. Clean fill was placed within the swale area allowing the intermittent flow of storm event water to continue its path to the asphalt area while maintaining a dry condition throughout the rest of the excavation.

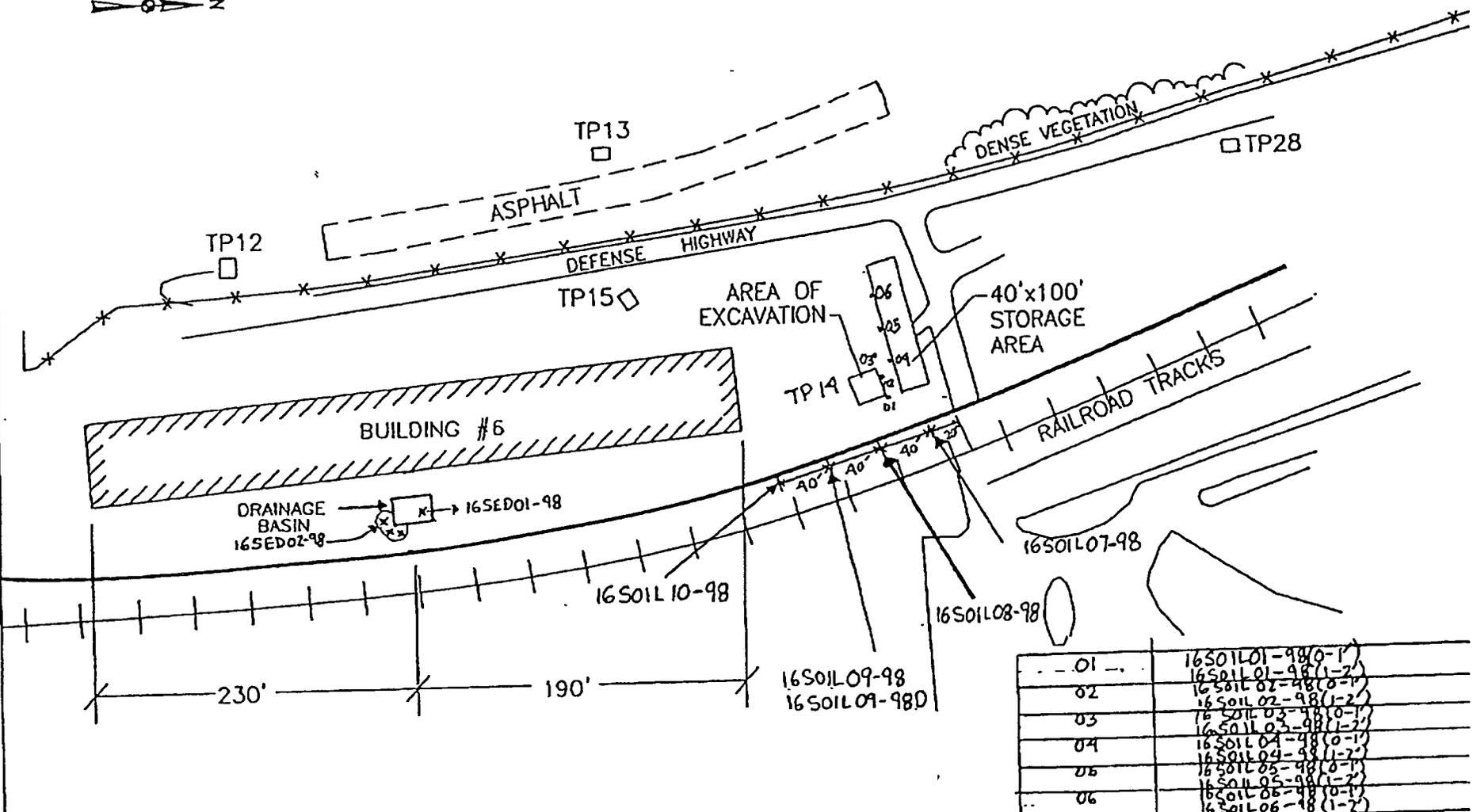
If you have any questions please contact me at 401-842-6940.

Sincerely,



Jon Cary
FWENC Site Manager

cc: Jim Shaffer, NORTHDIV
Melisa Griffin, NETC
Robert Krivinskas, NORTDIV
Art Holcomb, FWENC



NOT TO SCALE

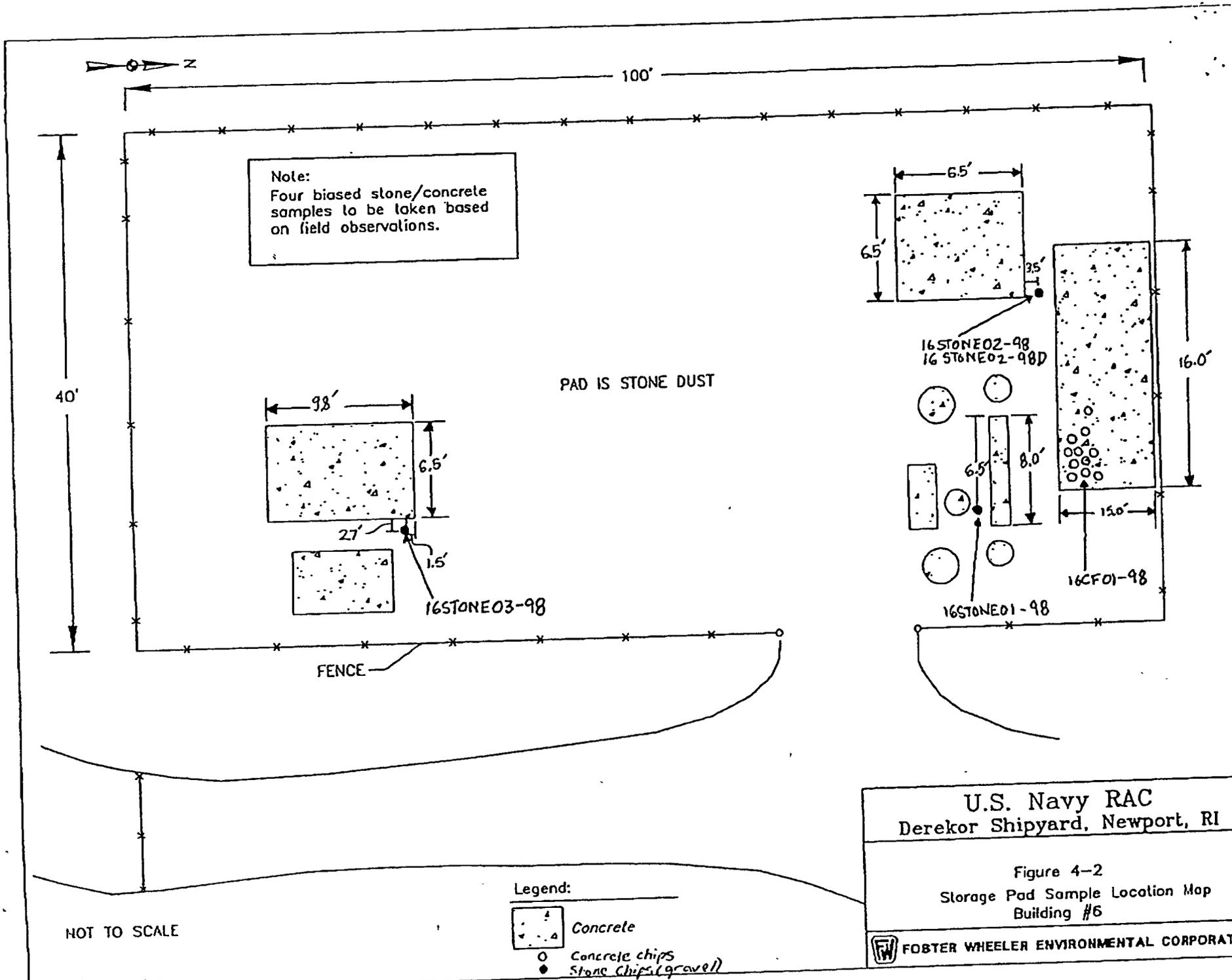
Legend:

- Soil Sample Location
- × Surface Water/Sediment Sample Location

01	16S01L01-98(0-1)
02	16S01L01-98(1-2)
03	16S01L02-98(0-1)
04	16S01L02-98(1-2)
05	16S01L03-98(0-1)
06	16S01L03-98(1-2)
07	16S01L04-98(0-1)
08	16S01L04-98(1-2)
09	16S01L05-98(0-1)
10	16S01L05-98(1-2)
11	16S01L06-98(0-1)
12	16S01L06-98(1-2)

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Figure 4-1. REVISED 9/17
Sample Location Map - Building #6



Note:
Four biased stone/concrete
samples to be taken based
on field observations.

PAD IS STONE DUST

FENCE

Legend:

- Concrete
- Concrete chips
- Stone chips (gravel)

NOT TO SCALE

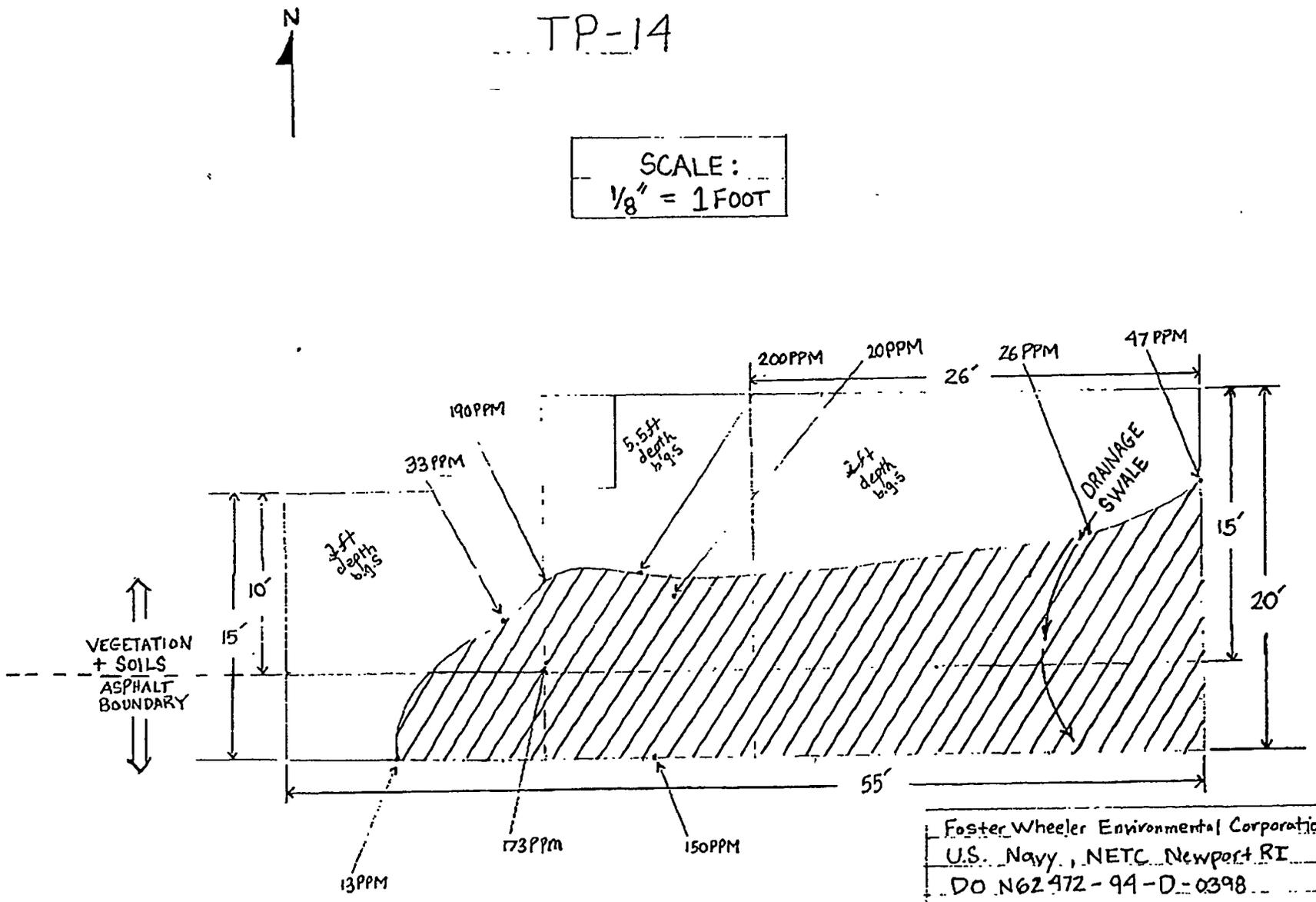
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Figure 4-2
Storage Pad Sample Location Map
Building #6

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TP-14

SCALE:
1/8" = 1 FOOT



LEGEND:

 PCB Contaminant Plume

 TPIAEAE Sample Detections

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 U.S. Navy, NETC Newport RI
 DO N62 472-94-D-0398

BUILDING 6 (TP-14)
 Expanded Area Excavation
 FIGURE 1



TP-14
EXCAVATION

38'

26 PPM

6'

6'

WETLANDS

28'

BLDG #6

DOCK AREA

	PCB CONTAMINATION
•	TP14 EAE Sample Detections

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DO N62472-94-D-0398

BUILDING 6 (DOCK AREA)
Expanded Area Excavation
FIGURE 2



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*Tank Farm 5 Project
Portsmouth, R. I. 02842
(401) 842-6940 / FAX (401) 842-6970*

Facsimile
Transmittal

To:	<u>Jim Shaffer</u>	Date:	<u>12/16/98</u>
From:	<u>Jon Cary</u>	Recipient's Fax #:	<u>610 595 0555</u>
Pages:	(includes cover sheet)	Charge #	
	<u>8</u>		

Message: * Urgent * For Your Review * Reply ASAP * Please Comment

Bldg 6 Summary NETA Newport

Hazardous Waste Services

- Risk-Based Management Services
- Remediation Services
- Remedial Design
- Assessments and Investigations
- Operations and Maintenance
- Waste Management

Consulting and Engineering Services

- Regulatory Compliance and Permitting
- Natural Resource Management
- Air, Water and Wastewater Engineering
- Ecological/Geoscience Services
- Economic, Social and Cultural Services
- Occupational Safety and Health

Our mission is to conduct a global business directed toward cleaning up and protecting the environment while facilitating economic growth, and to do so in a safe, compliant, cost-effective manner. Of paramount importance to us is providing Client Service Quality which translates to responsiveness and best value.

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