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LETTER REGARDING SOURCE REMOVAL REPORT ADDENDUM BUILDING 2426 MAIN
BASE NTC ORLANDO FL
11/29/1999
HARDING LAWSON ASSOCIATES



November 29, 1999

Document No.: 02530.116

Mr. David P. Grabka
Remedial Project Manager
State of Florida Department of Environmental Protection
Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

**Subject: Source Removal Report Addendum
Building 2426, Main Base
Naval Training Center, Orlando, Florida
CTO 107, Contract No.: N62467-89-D-0317**

Dear Mr. Grabka:

A Site Assessment Report (SAR) was submitted for the above-referenced site on May 28, 1998 to the Florida Department of Environmental Protection (FDEP). The FDEP approved the recommendations in the SAR for the removal of petroleum-impacted soil on July 7, 1998. On February 25, 1999, source removal activities were conducted at Building 2426 and a Source Removal Report (SRR) was submitted to FDEP on June 1, 1999, to document the removal and disposal of petroleum-impacted soil from the site. On July 19, 1999, FDEP requested that additional assessment be conducted to assess if all petroleum-impacted soil was removed from the site (Attachment B).

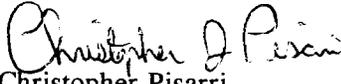
On October 27, 1999, Harding Lawson Associates (HLA) advanced a total of 6 soil borings and collected a total of 24 soil samples for organic vapor analysis following methods described in Chapter 62-770 of the Florida Administrative Code. A GeoProbe system owned by HLA was utilized to advance the soil borings and to collect soil samples from 0 to 1, 1 to 2, 2 to 3, and 3 to 4 feet below land surface (bls). Headspace organic vapor readings were measured by placing the soil sample in a 16-ounce glass jar and using a calibrated Organic Vapor Analyzer (OVA), Foxboro 128, equipped with a flame ionization detector, following procedures outlined in Chapter 62-770 FAC. A carbon filter was utilized to differentiate a total hydrocarbon response from naturally occurring methane gas. Filtered and unfiltered readings were obtained from two separate jars. All sampling analysis was performed in accordance with HLA's, FDEP-approved Comprehensive Quality Assurance Plan.

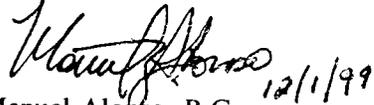
A total of six soil borings were advanced along the outside edge of the former excavated area. Figure 1 shows the soil boring locations (Attachment A). A total of 24 soil samples were collected at discrete intervals above the water table for OVA analysis. A summary of OVA results is presented in Table 1 (Attachment A). No petroleum-impacted soil was encountered in the soil samples analyzed. Based on the information provided in the SAR, the SRR and this SRR addendum, HLA recommends that Building 2426 site be considered for a no further action.

If you have any questions or need additional information, please contact the undersigned at (407) 522-7570.

Very Truly Yours,

HARDING LAWSON ASSOCIATES


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cc: Wayne Hansel, Southern Division
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Attachments

ATTACHMENT A
TABLE AND FIGURE

Table 1
Summary of Organic Vapor Analysis, October 27, 1999

Source Removal Report Addendum
 Building 2426, Main Base
 Naval Training Center
 Orlando, Florida

Soil Boring	Soil Sample	Sample Depth (feet bls)	Unfiltered ¹ (ppm)	Filtered ² (ppm)	Total Hydrocarbons (ppm)	Physical Observations
SB-01	SS-1	1	<1	NA	<1	No Odor
	SS-2	2	<1	NA	<1	
	SS-3	3	<1	NA	<1	
	SS-4	4	<1	NA	<1	
SB-02	SS-5	1	<1	NA	<1	No Odor
	SS-6	2	<1	NA	<1	No Odor
	SS-7	3	<1	NA	<1	
	SS-8	4	<1	NA	<1	
SB-03	SS-9	1	<1	NA	<1	No Odor
	SS-10	2	<1	NA	<1	
	SS-11	3	<1	NA	<1	
	SS-12	4	<1	NA	<1	
SB-04	SS-13	1	<1	NA	<1	No Odor
	SS-14	2	<1	NA	<1	
	SS-15	3	<1	NA	<1	
	SS-16	4	<1	NA	<1	
SB-05	SS-17	1	<1	NA	<1	No Odor
	SS-18	2	<1	NA	<1	
	SS-19	3	<1	NA	<1	
	SS-20	4	<1	NA	<1	
SB-06	SS-21	1	<1	NA	<1	No Odor
	SS-22	2	<1	NA	<1	
	SS-23	3	<1	NA	<1	
	SS-24	4	<1	NA	<1	

¹ Unfiltered sample reading are total hydrocarbon, including methane.

² Filtered sample reading are methane only.

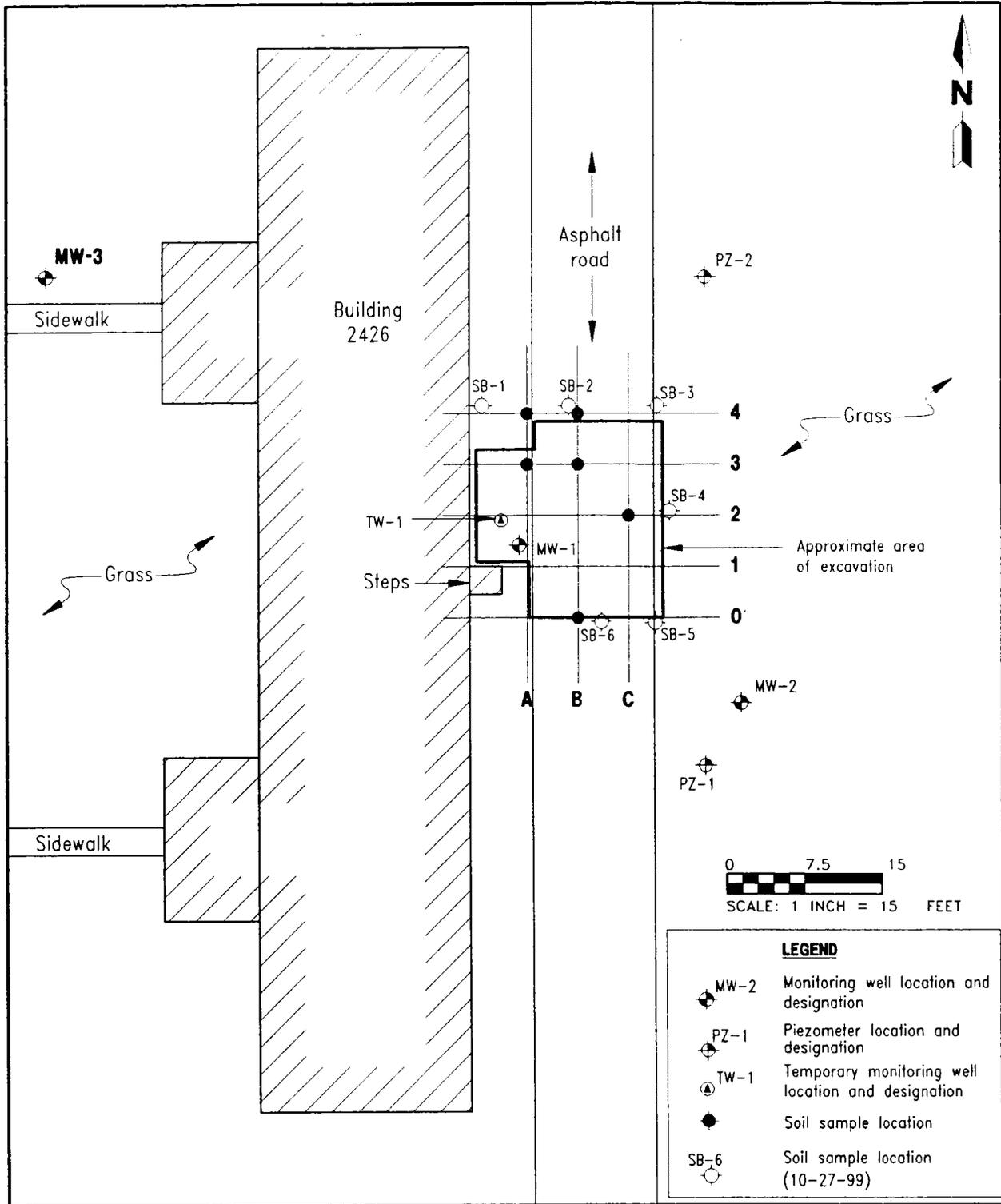
Notes: Groundwater encountered approximately 4.53 feet in monitoring well MW-2.

< 1 = ppm indicates the nondetectable limit for Foxboro 128.

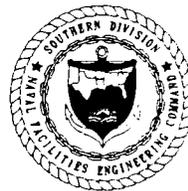
bls = below land surface.

ppm = parts per million.

< = less than.



**FIGURE 1
SOURCE REMOVAL EXCAVATION AND
SOIL SAMPLING LOCATION PLAN**



**SOURCE REMOVAL REPORT
ADDENDUM, BUILDING 2426
MAIN BASE**

**NAVAL TRAINING CENTER
ORLANDO, FLORIDA**

ATTACHMENT B

**FLORIDA DEPARTMENT OF ENVIRONMENTAL
PROTECTION REVIEW LETTER
DATED JULY 19, 1999**