

N60200.AR.002917  
NAS CECIL FIELD, FL  
5090.3a

PHASE 8 SAMPLING AND ANALYSIS WORK PLAN FOR FORMER RAILROAD BED  
BUILDING 635 LOADING DOCK AREA NAS CECIL FIELD FL  
4/26/2001  
TETRA TECH NUS INC

**Phase VIII Sampling and Analysis Work Plan  
Former Railroad Bed - Building 635 Loading Dock Area  
Naval Air Station Cecil Field  
Jacksonville, Florida**

**April 26, 2001**

Additional sampling and analysis of surface soils is proposed for Building 635 (loading dock in Yellow Water Weapons Area) as shown in Figure A. During this investigation, 8 surface soil samples will be collected in the former railroad bed area associated with Building 635. Approximate locations are identified on Figure 1 and described in Table 1. The samples closest to the loading dock along the former railroad bed (701-01 and 705-01) will be analyzed, and these results will be used to determine whether the remaining samples along the railroad bed will be analyzed.

The sampling activities and procedures described in this work plan will be performed in accordance with the U.S. EPA Region 4 Environmental Investigation Standard Operating Procedures and Quality Assurance Manual (EISOPQAM) and the Base-Wide Generic Work Plan for Naval Air Station (NAS) Cecil Field. Specifically, the Base-Wide Generic Work Plan includes procedures for management of investigation-derived wastes in Volume I and standard operating procedures in the Project Operations Plan in Volume II.

The surface soil samples will be collected as grab samples using plastic, disposable trowels. The proposed soil sample locations along the former railroad bed shall be marked with a wooden stake or pin flag labeled with the sample identification and subsequently located by a registered land surveyor. The sampling crew will work with the survey crew to establish the best procedures to limit the time between the marking of the location and collecting the sample. Sample CEF-635-SS-708-01 will be located by the sampling crew based on field observations, marked with a stake or pin flag and then surveyed.

Personnel protection equipment and other waste trash (e.g. disposable trowels) will not be considered hazardous and will be disposed in a municipal landfill. Such trash will be collected in a plastic bag and disposed in a suitable trash receptacle. Removed soil from the surface soil sampling in excess of sampling volume requirements will be placed back on the ground and the turf replaced or repaired.

Sampling handling requirements, the bottleware required, preservation, and holding time requirements for the analysis proposed for this sampling event are as identified in the following table:

<b>Analysis</b>	<b>Analytical Method</b>	<b>Bottleware</b>	<b>Preservation</b>	<b>Holding Time<sup>(1)</sup></b>
PAHs	SW-846 8310	8-oz. glass jar	Cool to 4°C	14 days to extraction; 40 days to analysis

(1) Holding times are measured from the date/time of sample collection.

**Analytical results will be reported on a 7-day turn around basis.**

The laboratory contracted to do this work is as follows:

ACCUTEST SOUTHEAST  
4405 Vineland Road, Suite C-15  
Orlando, Florida 32881  
Attention: Linda Williams  
(407) 425-6700  
Fax: (407) 425-0707

As agreed upon by the BCT, the collection of rinsate and trip blanks has been eliminated at NAS Cecil Field. In addition, field blanks will not be collected during this sampling program because there will be minimal decontamination of sampling equipment. In accordance with these changes, the following table summarizes the frequency and type of field Quality Assurance/Quality Control (QA/QC) samples to be collected for this sampling program.

Type of Samples	Frequency	Samples to be Collected
Field Duplicate	1/10 sample/matrix	1
Lab MS/MSD	1/20 samples/matrix	1 <sup>(1)</sup>

(1) MS/MSD is a laboratory QA/QC requirement, separate samples not required, only additional volume (2x).

As agreed upon by the BCT, formal data validation has been eliminated from the installation restoration program at NAS Cecil Field. However, the analytical data packages generated by the analytical laboratory will be reviewed by Tetra Tech NUS personnel to eliminate false positives and false negative results.

Table 1

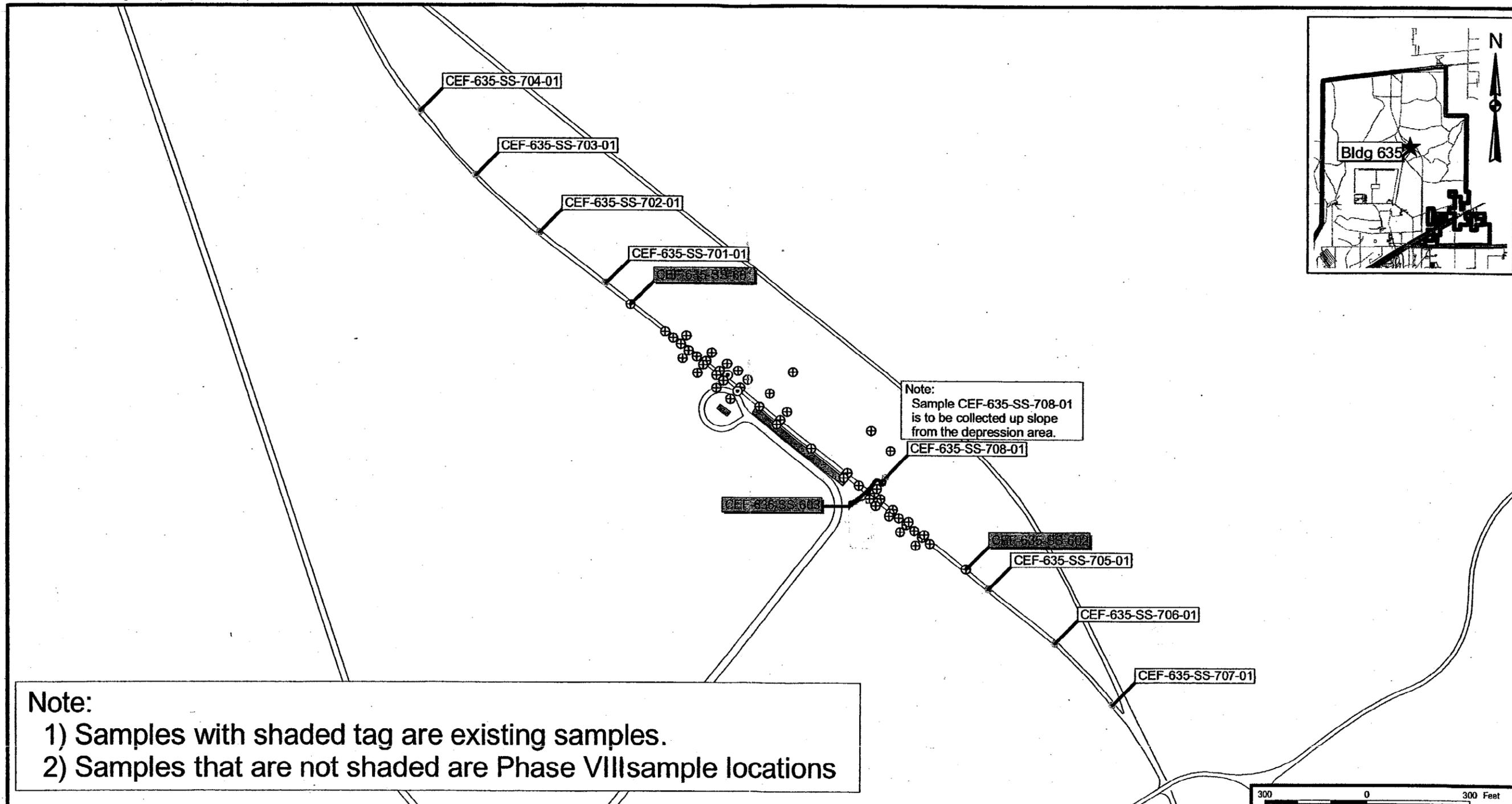
**Phase VIII Sampling and Analysis  
Former Railroad Bed – Building 635 Loading Dock Area**

Sample ID CEF-635-	Location	Analysis
		PAHs
SS-701-01	Approximately 100 feet northwest of CEF-635-SS-601-01 along the centerline of the former railroad siding (0 – 1')	X
SS-702-01*	Approximately 240 feet northwest of CEF-635-SS-701-01 along the centerline of the former railroad siding (0 – 1')	X
SS-703-01*	Approximately 250 feet northwest of CEF-635-SS-702-01 along the centerline of the former railroad siding (0 – 1')	X
SS-704-01*	Approximately 250 feet northwest of CEF-635-SS-703-01 along the centerline of the former railroad siding (0 – 1')	X
SS-705-01	Approximately 90 feet southeast of CEF-635-SS-602-01 along the centerline of the former railroad siding (0 – 1')	X
SS-706-01*	Approximately 240 feet southeast of CEF-635-SS-705-01 along the centerline of the former railroad siding (0 – 1')	X
SS-707-01*	Approximately 240 feet southeast of CEF-635-SS-705-01 along the centerline of the former railroad siding (0 – 1')	X
SS-708-01	Northeast of the CEF-635-SS-603-01 location, just upslope from the depression (outside of area that would be impacted by standing water) (0 – 1')	X

\* Shaded samples are to be clearly marked for the laboratory as "Hold Samples – To Be Analyzed Pending Results of Samples 701 and 705." Also include this note on the chain of custody, along with a reminder for the lab to immediately call TtNUS-Pittsburgh with the results of the first analyses.

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**Note:**  
 1) Samples with shaded tag are existing samples.  
 2) Samples that are not shaded are Phase VIII sample locations

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

DRAWN BY  
MJJ  
DATE  
19Apr01

CHECKED BY  
   
DATE

COST/SCHED-AREA

SCALE  
AS NOTED



PROPOSED SAMPLE LOCATIONS  
 PHASE VIII - SAMPLING AND ANALYSIS WORKPLAN  
 FORMER RAILROAD BED - BUILDING 635  
 NAVAL AIR STATION CECIL FIELD  
 JACKSONVILLE, FLORIDA

CONTRACT NO. 0039	
APPROVED BY	DATE
APPROVED BY	DATE
DRAWING NO. FIGURE 1	REV. 0

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