



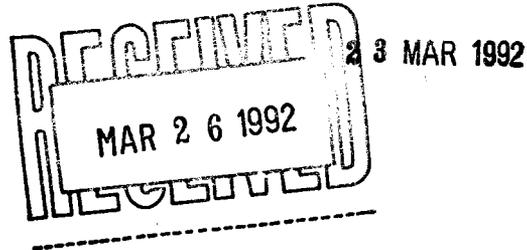
DEPARTMENT OF THE AIR FORCE

HEADQUARTERS 49TH FIGHTER WING (TAC)
HOLLOMAN AIR FORCE BASE NM 88330-5000

REPLY TO
ATTN OF: 49 SG/DEV

SUBJECT: Site 47 POL Washrack Sampling Plan

TO: Mr. Joe Kennedy
State of New Mexico
Environment Department
525 Camino De Los Marquess
Santa Fe, NM 87502



1. Attached please find a copy of the revised sampling plan for Site 47, POL Washrack (Atch 1). This plan includes the QA/QC plan required by the NMED.
2. Also attached is a copy of the analytical data derived from the Rapid Response Action at Site 47 (Atch 2). This information has been included to provide background information for the site.
3. Please review the referenced sampling plan. Questions regarding this subject should be directed to Warren Neff or Roger Wilkson at 479-3931.


HOWARD E. MOFFITT
Deputy Base Civil Engineer

- 2 Atchs
1. Revised Sampling Plan
 2. Rapid Response Action

*Attachments
Not Found*

PROPOSED SAMPLING PLAN - SITE SD-47

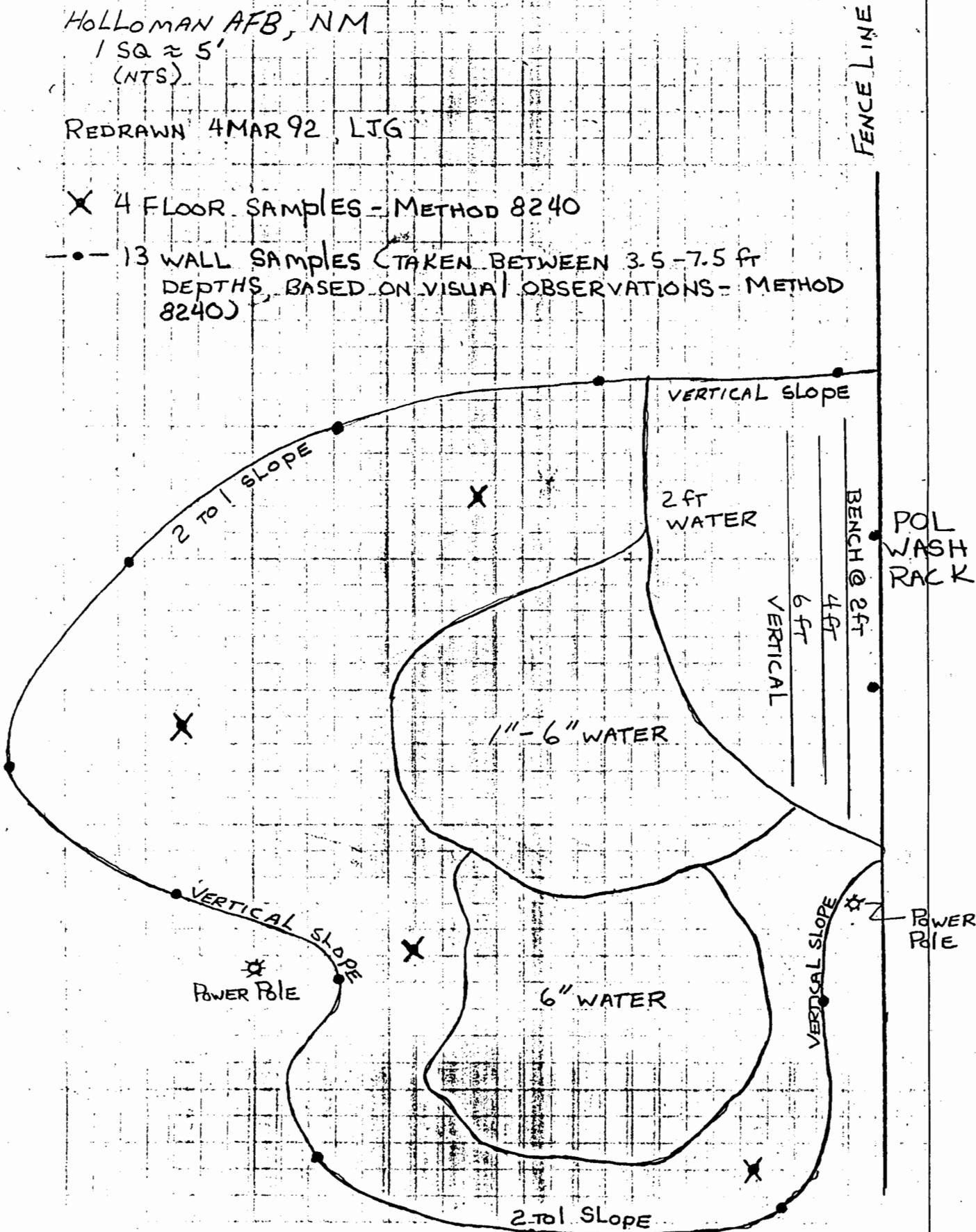
HOLLOMAN AFB, NM

1 SQ ≈ 5'
(NTS)

REDRAWN 4 MAR 92, LTG

X 4 FLOOR SAMPLES - METHOD 8240

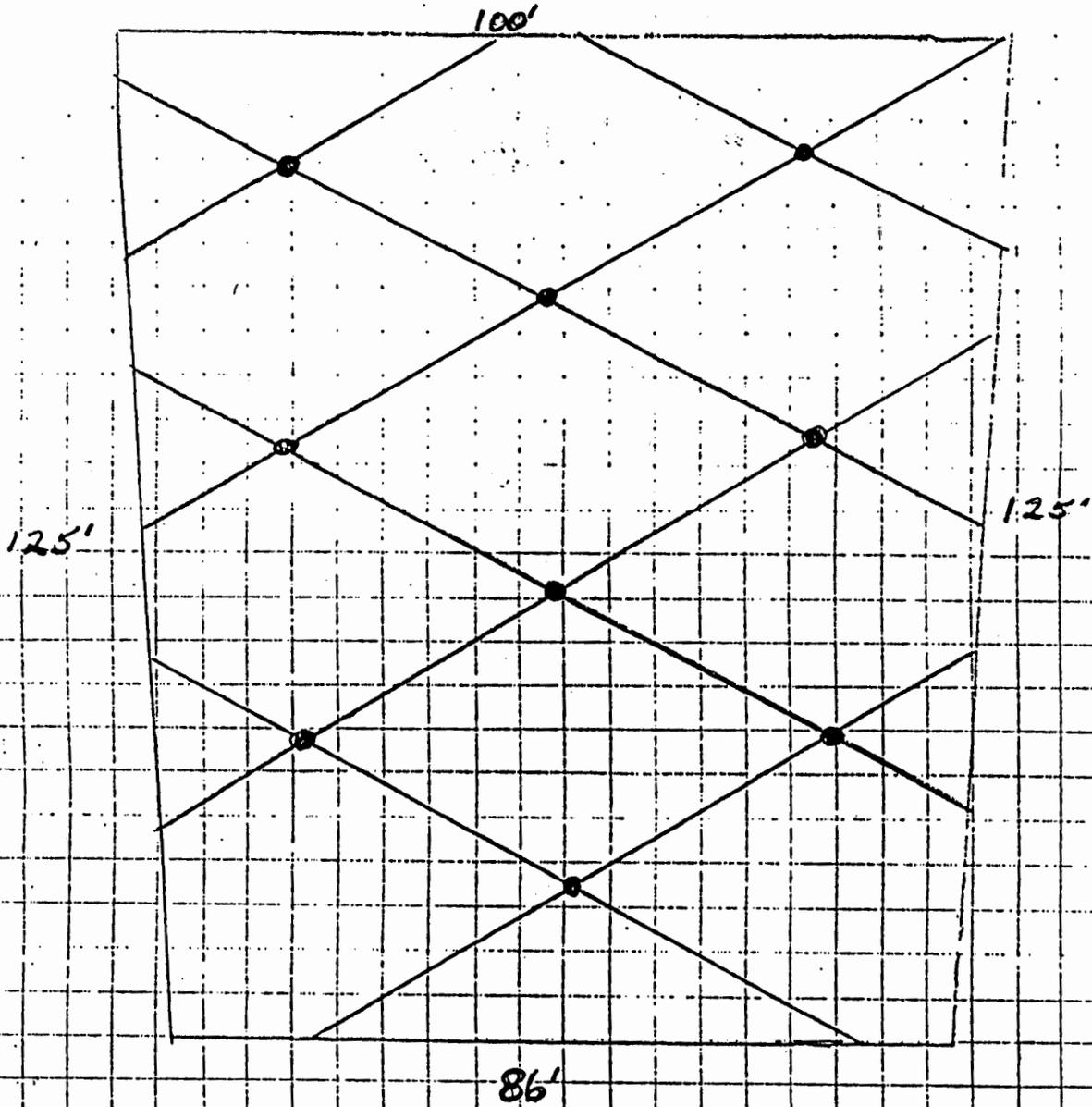
--- 13 WALL SAMPLES (TAKEN BETWEEN 3.5 - 7.5 FT DEPTHS, BASED ON VISUAL OBSERVATIONS - METHOD 8240)



42-381 50 SHEETS 5 SQUARE
42-382 100 SHEETS 5 SQUARE
42-383 200 SHEETS 5 SQUARE
NATIONAL

Holloman AFB

Stockpiles
Sampling



1 sq = 5'

9 grab TCLP analysis
1 (duplicate) "

10 samples total

* Samples should be taken
at a depth of at
least 3'-5'

**Components of an Adequate Laboratory
Quality Assurance/Quality Control Plan**

New Mexico Hazardous and Radioactive Materials Bureau
Technical Support Group
(505) 827-4300

1. All constituents identified above the MDL must be reported.

The Method Detection Limit is defined as the estimated concentration at which the signal generated by a known constituent is three standard deviations above the signal generated by a blank, and represents the 99% confidence level that the constituent does exist in the sample.

2. The "tune" of the GC/MS for volatile organic constituents must be checked and adjusted (if necessary) each twelve (12) hour shift by purging 50 ng of a of a 4-bromofluorobenzene (BFB) standard. The resultant mass spectra must meet the criteria given in Table 1 before sample analysis proceeds.

3. The "tune" of the GC/MS for semi-volatile organic constituents must be checked and adjusted (if necessary) each twelve (12) hour shift by injecting 50 ng of a Decafluorotriphenylphosphine (DFTPP) standard. The resultant mass spectra must meet the criteria given in Table 2 before analysis proceeds.

4. For every 20 samples perform and report:

- A. Duplicate spike for organics.
- B. Duplicate sample analysis for inorganics.
- C. Reagent blank, results provided for organic work.
- D. Surrogate and spike recoveries. See item 10.
- E. One check sample at or near the Practical Quantitation Limit for a subset of the parameters.

5. Analytical results must not be "blank corrected."

6. Any deviation from EPA-approved methodology must have a Written Standard Operating Procedure and NMED approval.

7. Detection limits must be generally in line with those listed in Appendix IX to §264.

8. The laboratory must document:
 - A. That all samples were extracted, distilled, digested, or prepared (if appropriate) and analyzed within specified holding times.
 - B. That if a sample for volatile analysis is received with headspace, this is reported.
 - C. The date of sample receipt, extraction and analysis for each sample.
 - D. Any problems or anomalies with the analysis should be documented.
 - E. That all solids were analyzed dry and that the reported results are corrected to reflect a dry weight basis.
9. The name and signature of the lab manager must appear on each report.
10. The reported surrogate and spike recoveries must fall within:
 1. the historical (statistically based) acceptance limits, generated at the laboratory or
 2. the limits tabulated by the appropriate method from the current edition of SW-846, whichever limit is narrower. The actual historical recoveries must be submitted to HRMB with the analysis.

TABLE 1

BFB KEY IONS AND ABUNDANCE CRITERIA

Mass	Ion Abundance Criteria
50	15.0 - 40.0 percent of the base peak
75	30.0 - 60.0 percent of the base peak
95	base peak, 100 percent relative abundance
96	5.0 - 9.0 percent of the base peak
173	less than 2.0 percent of mass 174
174	greater than 50.0 percent of the base peak
175	5.0 - 9.0 percent of mass 174
176	greater than 95.0 percent but less than 101.0 percent of mass 174
177	5.0 - 9.0 percent of mass 176