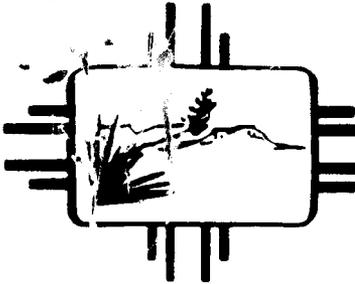


New Mexico Health and Environment Department



GARREY CARRUTHERS
Governor
DENNIS BOYD
Secretary
MICHAEL J. BURKHART
Deputy Secretary
RICHARD MITZELFELT
Director

TA-50
TA-16
TA-54

Permit

November 20, 1989

Mr. Jim Phoenix, Chief
Environmental Safety and
Health Branch
DOE
528 35th Street
Los Alamos, NM 87544

Dear Mr. Phoenix:

You called Thursday, November 16, 1989, regarding the following four items in the operating permit issued to Los Alamos National Laboratory on November 8, 1989: (1) figures and tables to Modules I-VII, missing; (2) the New Mexico Hazardous Waste Management Regulations (HWMR-5), incomplete set; changes to the draft permit, (3) p.5, permit paragraph VI.B.3., not in operating permit and (4) p.6, Figures 4 and 6, 7-10, Tables II-1 and II-2, missing.

The figures and tables in items (1) and (4) are the same and a complete set of tables and figures is enclosed as is a complete set of HWMR-5. Permit paragraph VI.B.3. was never added to the operating permit because land ban requirements regarding storage are required only for container and tank storage and these requirements were added to the appropriate Modules. A corrected copy of the changes to the draft permit is enclosed.

Also, enclosed is a corrected copy of the responses-to-comments with a copy of House Bill 59. The copy given to you did not have House Bill 59 listed as an attachment nor did it contain a copy of that Bill.



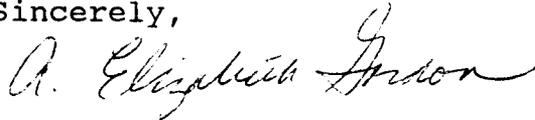
TL

Mr. Phoenix
November 20, 1989
Page 2

For your information, the responses-to-comments letter was mailed to the public on November 17, 1989 and the 30-day time period for petitioning the Environmental Improvement Board by the public begins today, November 20, 1989, and ends December 20, 1989 at 5 p.m.

If you have any questions, please contact me at 827-2934.

Sincerely,

A handwritten signature in cursive script that reads "A. Elizabeth Gordon".

A. Elizabeth Gordon
Permitting Supervisor
Hazardous Waste Program

AEG:vga

Encls.

cc: Jack Ellvinger, Chief, Hazardous Waste Bureau
Boyd Hamilton, Manager, Hazardous Waste Program

DRAWN BY M. V. CHECKED BY J. J. APPROVED BY J. J. NUMBER 301017-02 825

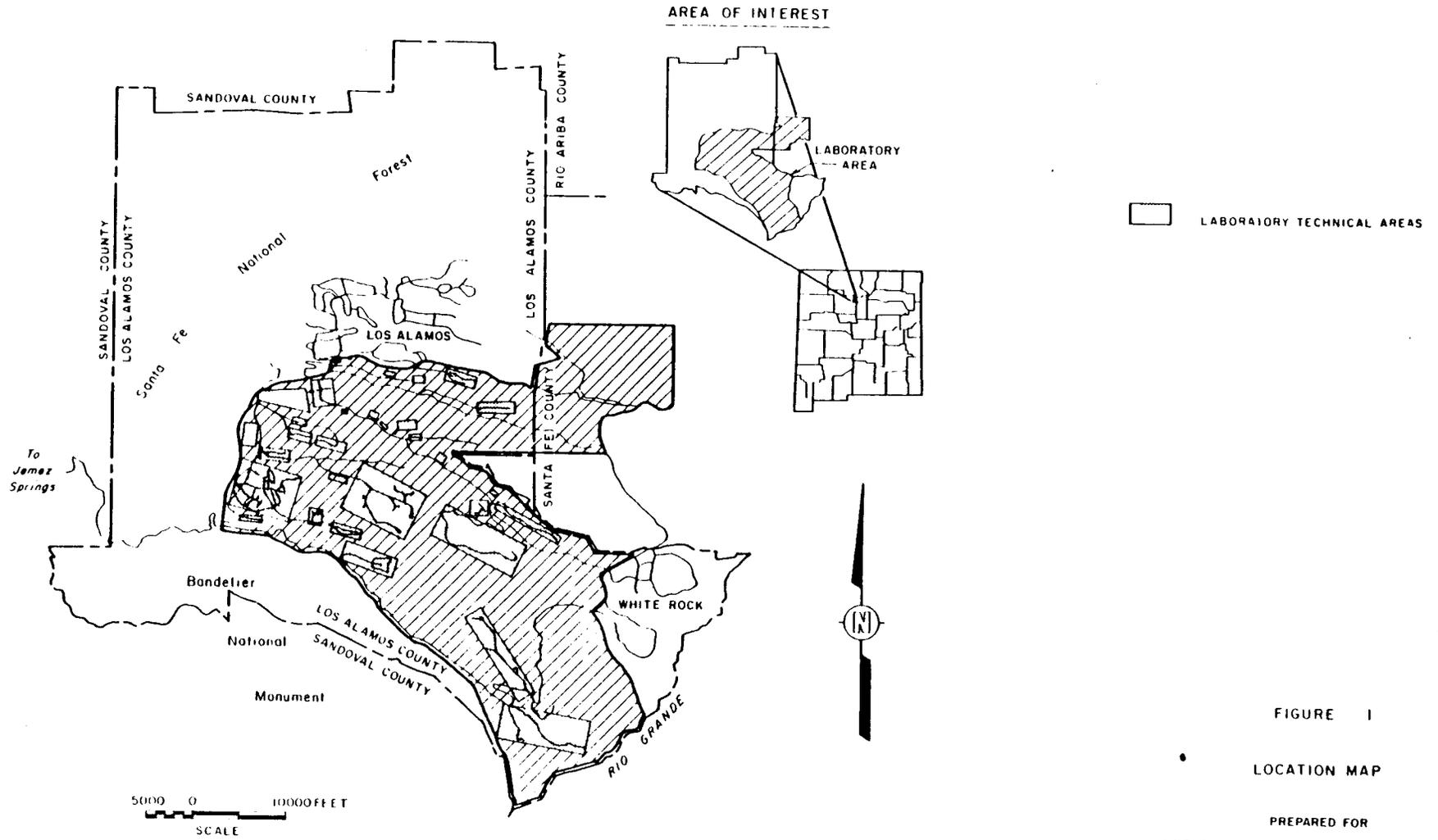


FIGURE 1

LOCATION MAP

PREPARED FOR
LOS ALAMOS NATIONAL LABORATORY
LOS ALAMOS, NEW MEXICO

IT CORPORATION

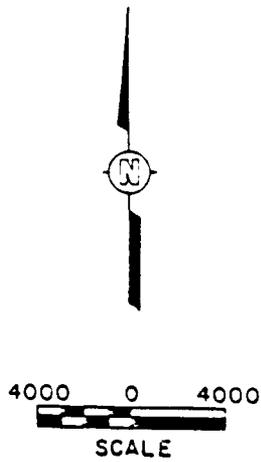
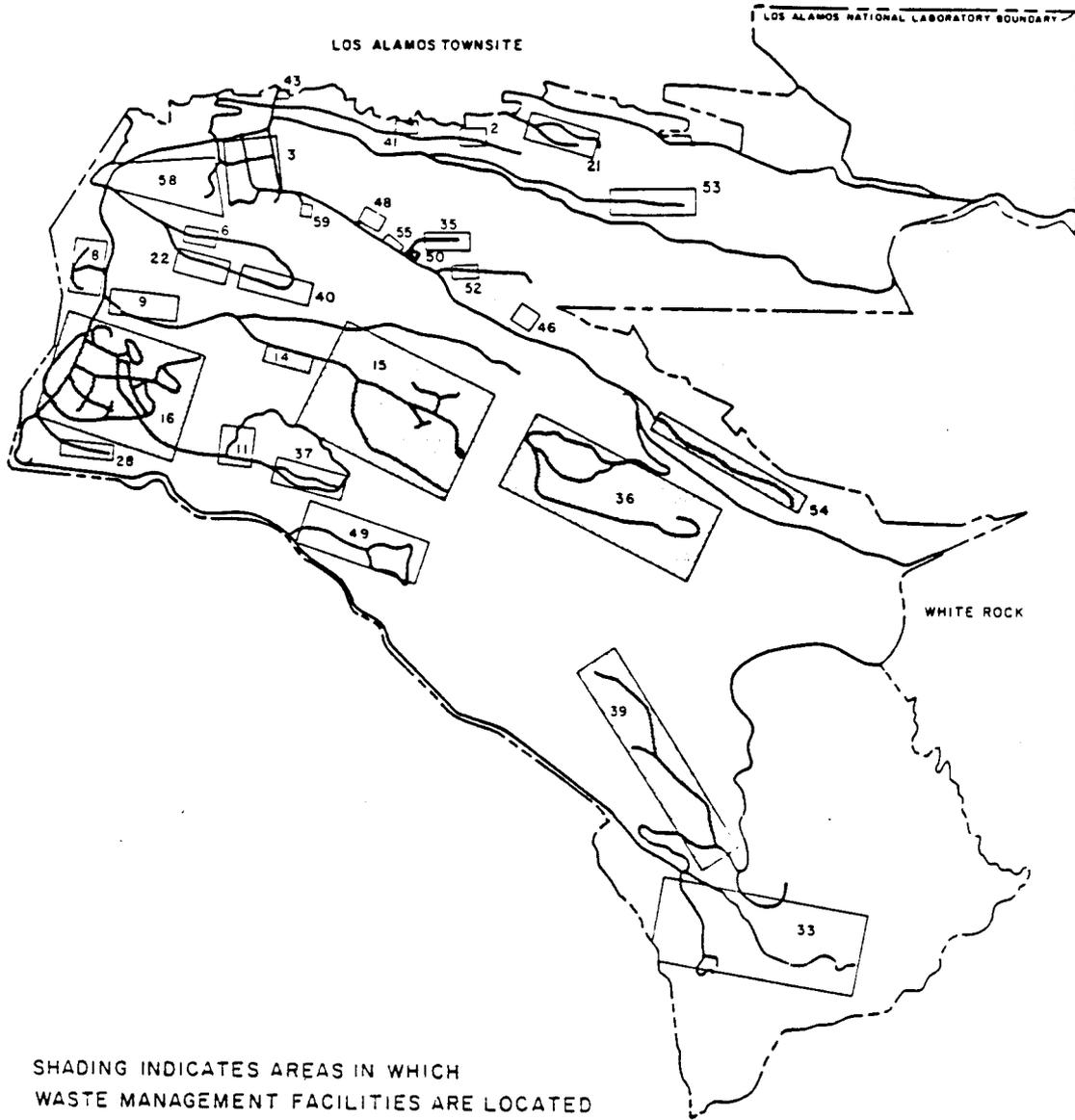


FIGURE 2
LOS ALAMOS
TECHNICAL AREAS

PREPARED FOR
LOS ALAMOS NATIONAL LABORATORY
LOS ALAMOS, NEW MEXICO

IT CORPORATION

VN 15Y
 LLF 11/16/87
 CHECKED BY SJS
 APPROVED BY PLS
 DRAWING NUMBER 301017-02 A110

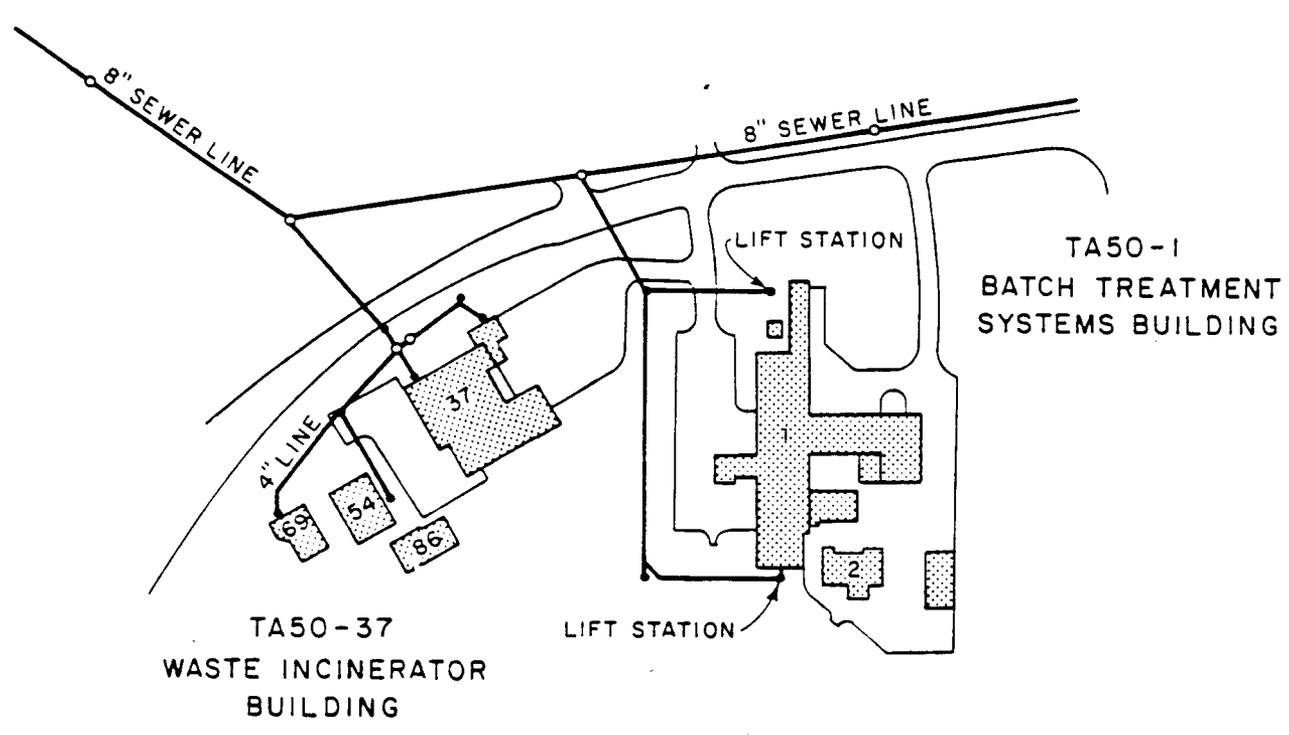


FIGURE 3

TA-50
 PREPARED FOR
 LOS ALAMOS NATIONAL LABORATORY
 LOS ALAMOS, NEW MEXICO



1 AN
 0 Y
 11/10/87
 11/10/87
 11/10/87
 301017-A117

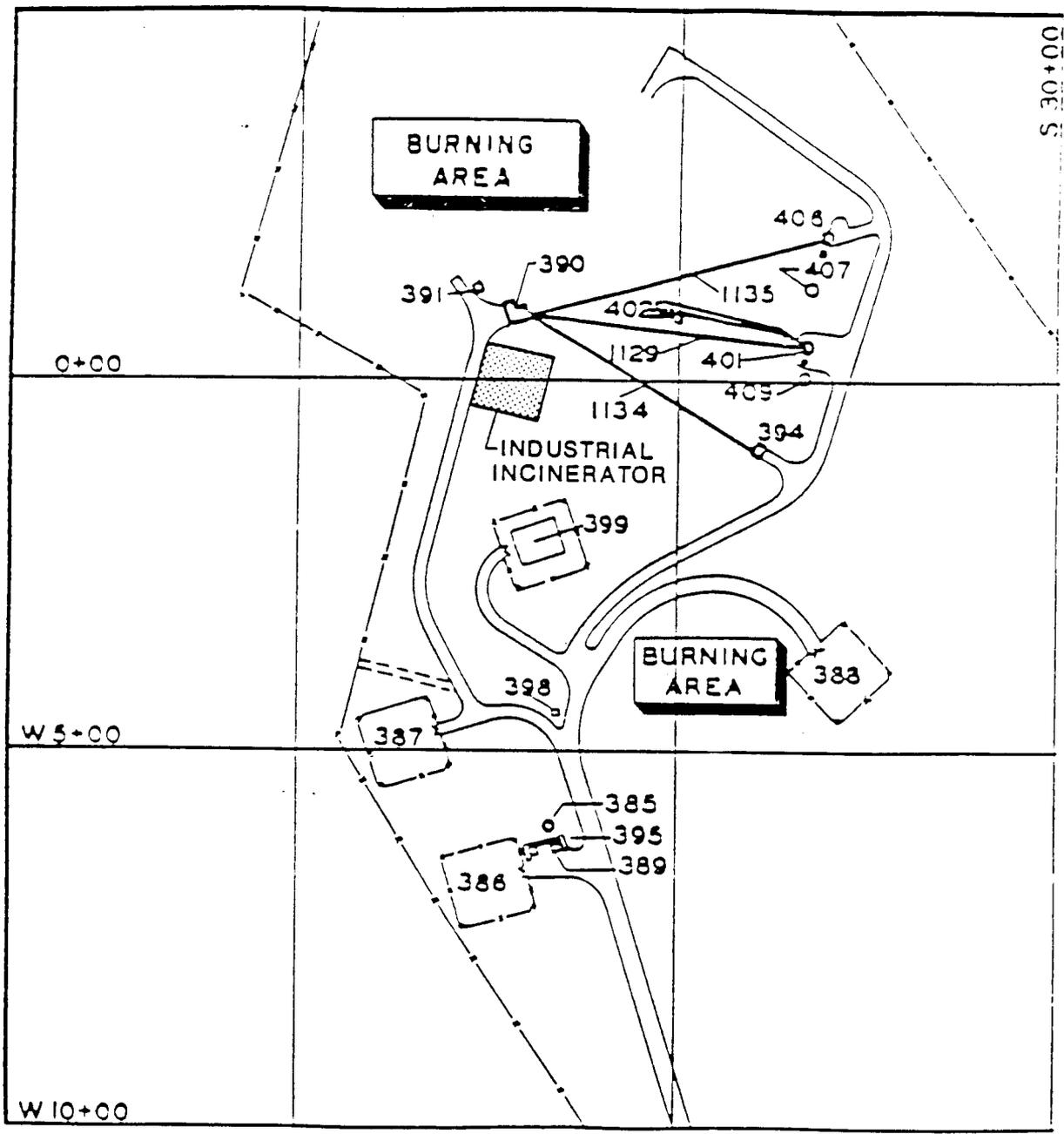
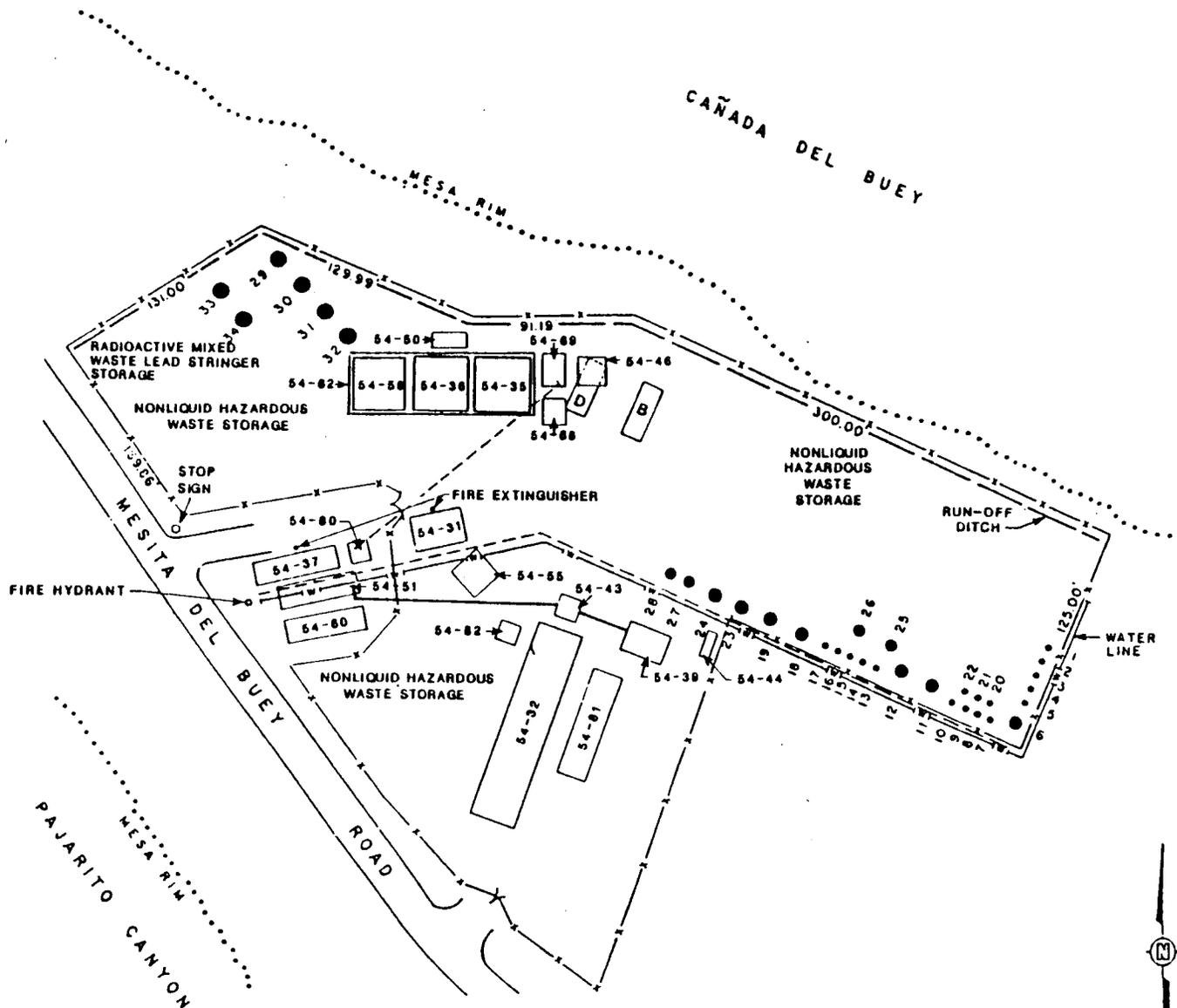


FIGURE 5
 TA-16 INDUSTRIAL INCINERATOR
 PREPARED FOR
 LOS ALAMOS NATIONAL LABORATORY
 LOS ALAMOS, NEW MEXICO

DRAWN BY: KCT
 CHECKED BY: 10/20/88
 APPROVED BY: 361216 01 81

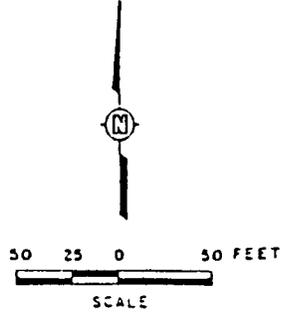


LEGEND

MATERIAL DISPOSAL UNITS:

- 54-31 PACKAGING BUILDING
- 54-32 ROOFED WASTE STORAGE PAD
- 54-35 TREATMENT PAD
- 54-36 SAMPLING PAD
- 54-37 OFFICE TRAILER
- 54-39 PCB BUILDING
- 54-43 SEPTIC HOLDING TANK
- 54-44 PROPANE TANK
- 54-46 EQUIPMENT STORAGE BUILDING
- 54-60 EQUIPMENT STORAGE BUILDING
- 54-61 OFFICE TRAILER
- 54-55 SAMPLE PREP LAB BUILDING
- 54-58 TRANSPORT PAD
- 54-60 OFFICE TRAILER
- 54-62 CANOPY OVER MD-35, MD-36, MD-58
- 54-68 MODULAR STORAGE BUILDING
- 54-69 MODULAR STORAGE BUILDING
- 54-80 SEPTIC HOLDING TANK
- 54-81 PCB OIL TANK STORAGE
- 54-82 DRUM CRUSHER
- B SURFACE IMPOUNDMENT
- D SURFACE IMPOUNDMENT
- LOCATION OF AREA L INACTIVE SHAFTS

FIGURE 6
TA-54 AREA L
WASTE MANAGEMENT UNITS
 PREPARED FOR
LOS ALAMOS
NATIONAL LABORATORY
LOS ALAMOS, NEW MEXICO



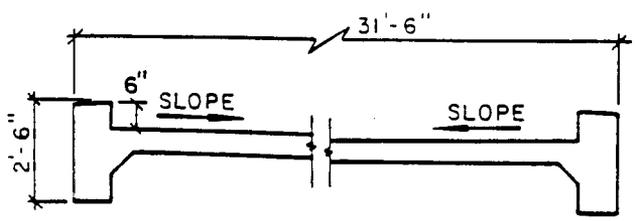
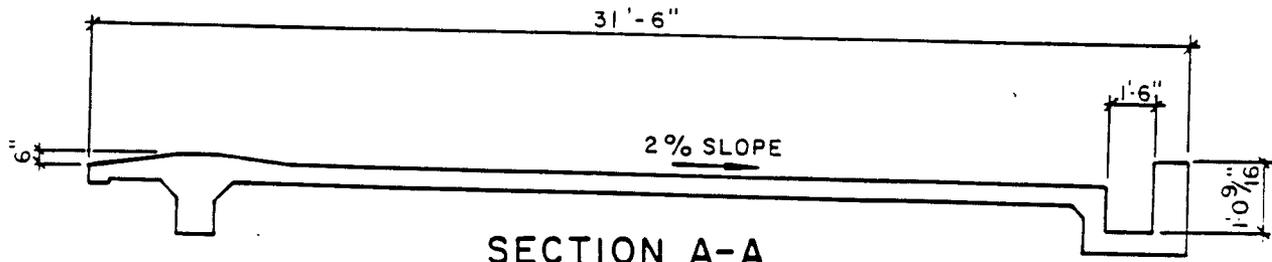
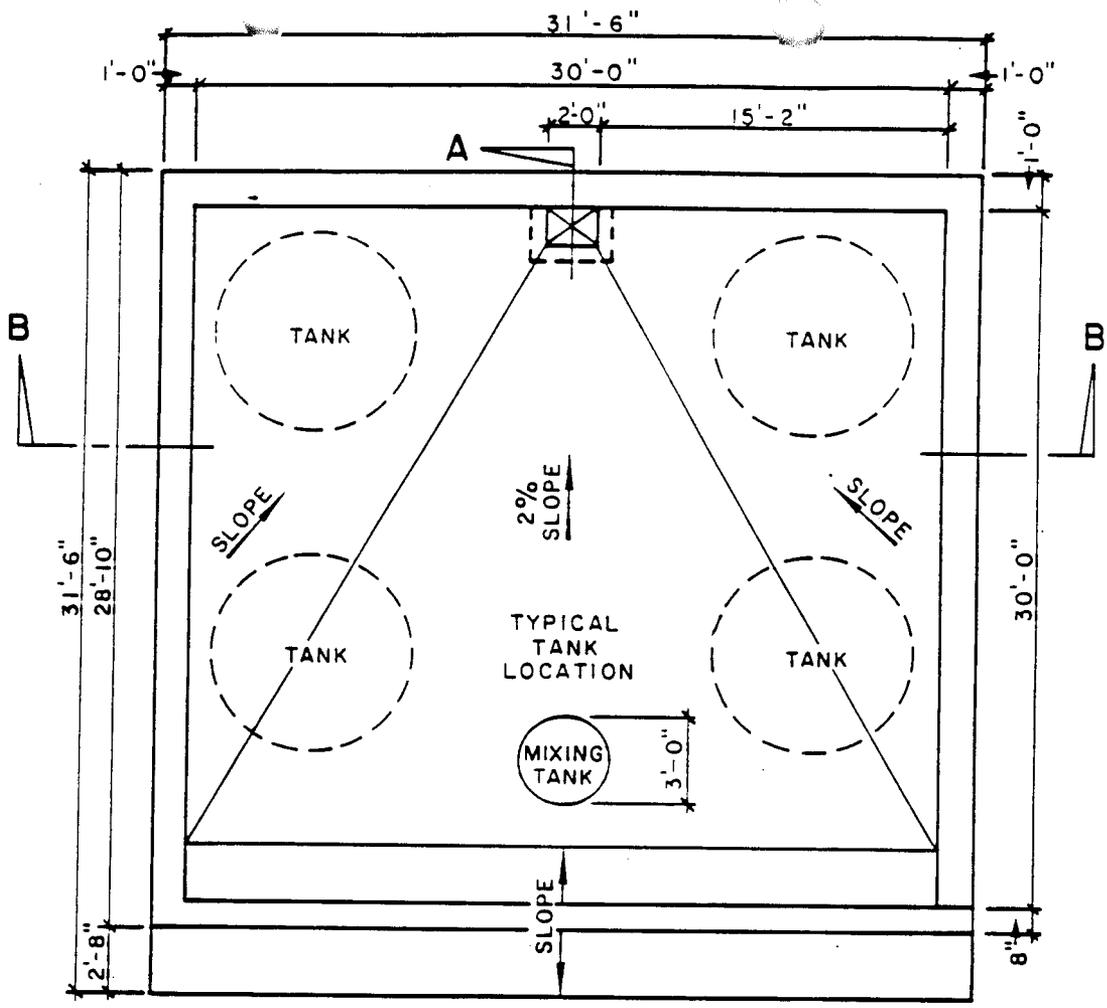


FIGURE 7
TA 54, AREA L
TREATMENT TANKS
PLAN

PREPARED FOR
LOS ALAMOS NATIONAL LABORATORY
LOS ALAMOS, NEW MEXICO



LOS ALAMOS NATIONAL LABORATORY
ENVIRONMENTAL SURVEILLANCE 1987

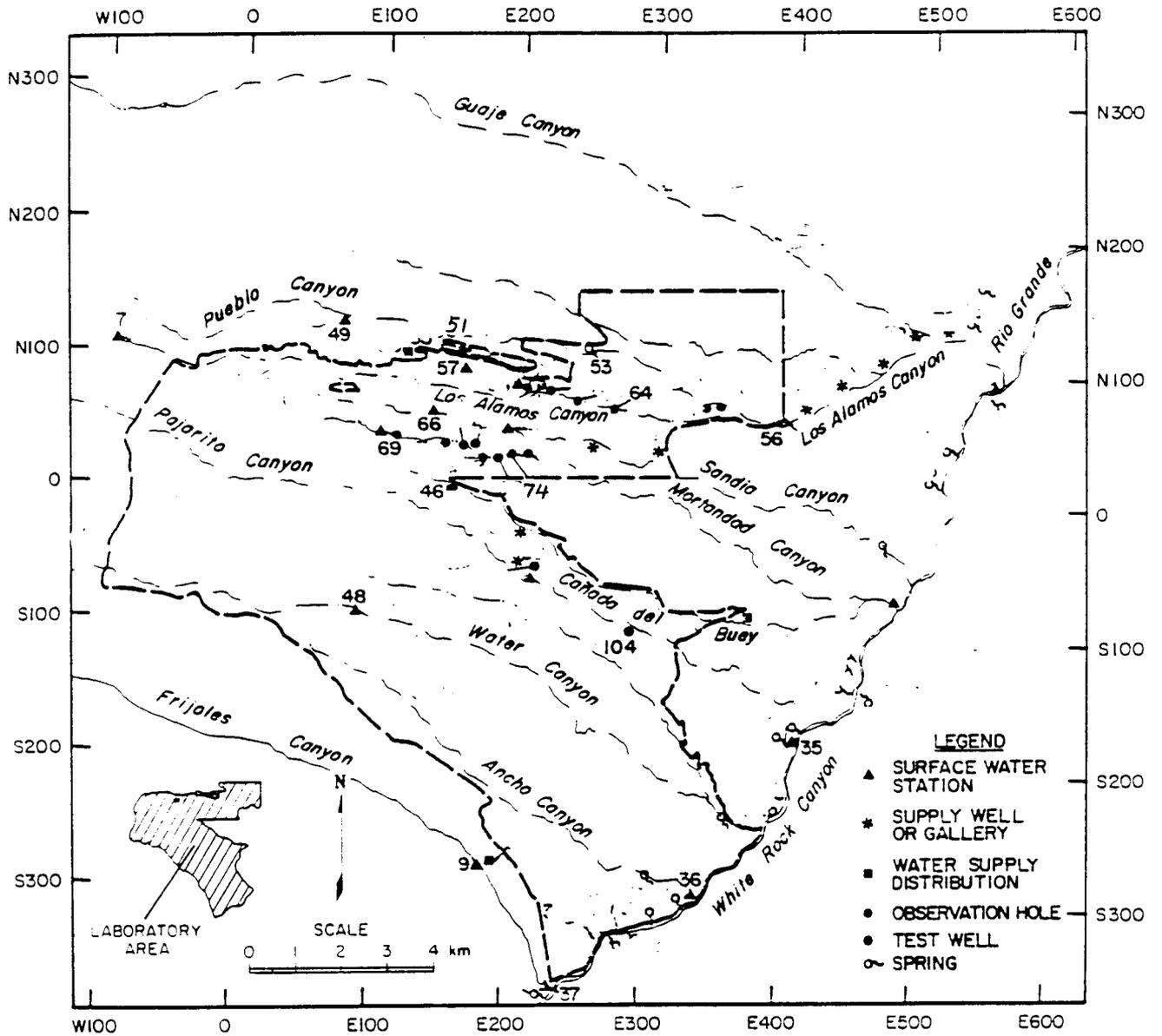


Fig. 9 Surface and ground water sampling locations on and near the Laboratory site.

FIGURE 10

FACILITY RELEASE INSPECTION REPORT

Submit to:

Director, E.I.D.
 Attn: HWB / SWB
 1190 St. Francis Drive
 Santa Fe, NM 87503

SAMPLE LOCATION _____
 SAMPLE DATE _____
 SAMPLE NUMBER _____
 SAMPLE COLLECTOR _____

METALS (Totals)

| TRT.* | | CODE | UNITS | QUANTITY | DATE ANALYZD |
|-------|-----------|-------|-------|----------|--------------|
| ___ | Arsenic, | 01002 | ug/l | _____ | _____ |
| ___ | Barium | 01007 | ug/l | _____ | _____ |
| ___ | Cadmium | 01027 | ug/l | _____ | _____ |
| ___ | Chromium | 01034 | ug/l | _____ | _____ |
| ___ | Lead | 01051 | ug/l | _____ | _____ |
| ___ | Mercury | 71900 | ug/l | _____ | _____ |
| ___ | Selenium | 01147 | ug/l | _____ | _____ |
| ___ | Silver | 01077 | ug/l | _____ | _____ |
| ___ | Copper | 01042 | ug/l | _____ | _____ |
| ___ | Iron | 01045 | ug/l | _____ | _____ |
| ___ | Beryllium | 01012 | ug/l | _____ | _____ |
| ___ | Nickel | 01067 | ug/l | _____ | _____ |
| ___ | Zinc | 01092 | ug/l | _____ | _____ |

* Annotate field treatment as follows: **NF** = no filtration and/or **A** = 5 ml HNO3

ORGANICS

| SUBSTANCE | CODE | UNITS | QUANTITY | DATE ANALYZED |
|-----------|-------|-------|----------|---------------|
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |

(Continue on a separate sheet if required)

TABLE I-1

TECHNICAL AREA ZERO GENERATION SITES

| DESIGNATION | DESCRIPTION | ANTICIPATED WASTES |
|--------------------|--|------------------------------------|
| 0-480 | Pajarito School Engineering offices | D001, D002 |
| 0-1197 | Mesa School Training offices/classrooms | Any training materials |
| 0-1237 | Pueblo Complex Environmental laboratory | Any sample or analysis reagents |

NOTE:

No other sites are included in the on-site definition in permit paragraph I.H.3.c.

TABLE II-1

ENVIRONMENTAL MONITORING LOCATIONS

| STATION | N-S Coordinate (LANL Grid) | E-W Coordinate (LANL Grid) | Map No. |
|-------------------------|-------------------------------|-------------------------------|------------|
| Los Alamos Reservoir | N105 | W090 | 7 |
| Frijoles | S280 | E180 | 9 |
| Canada del Buey | N010 | E150 | 46 |
| Water Canyon at Beta | S090 | E090 | 48 |
| Acid Weir | N125 | E070 | 49 |
| Pueblo - 2 | N120 | E155 | 51 |
| Pueblo - 3 | N085 | E315 | 53 |
| DPS - 1 | N090 | E160 | 57 |
| SCS - 2 | N060 | E140 | 66 |
| Pajarito Stream | S180 | E410 | 35 |
| Ancho Stream | S295 | E340 | 36 |
| Frijoles Stream | S365 | E235 | 37 |
| Pajarito Canyon (PCO-3) | S098 | E293 | 104 |
| LAO-4.5 | N065 | E270 | 64 |
| MCO-3 | N040 | E110 | 69 |
| MCO-8 | N030 | E190 | 74 |
| Basalt Spring | N065 | E395 | 56 |

TABLE II-2 SAMPLING PARAMETERS

TOTAL METALS

Arsenic
Barium
Cadmium
Chromium
Lead
Mercury
Selenium
Silver
Nickel
Beryllium
Copper
Zinc
Iron

OTHER

Cyanide
pH

ORGANICS

Halogenated volatile organics
Nonhalogenated volatile organics
Acid-extractable semivolatile organics
Base-neutral extractable semivolatile organics
Phenols

All methods are as published in US EPA SW-846, 3rd Edition or later.

If any metal's total concentration exceeds that metal's standard for Extraction Procedure Toxicity, a determination of the Extraction Procedure Toxicity concentration for that metal will be performed. Both data will be recorded and reported.