Department of Energy
Field Office, Albuquerque
Los Alamos Area Office
Los Alamos, New Mexico 87544

OCT 11 1994

Bertie

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NM ENVIRONMENT DEPARTMENT
OFFICE OF THE SECRETARY

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Kathleen Sisneros, Director
Water and Waste Management Division
New Mexico Environment Department
1190 St. Francis Dr.
P. O. Box 26110
Santa Fe, NM 87502

Dear Ms. Sisneros:

Enclosed is a revised Part A application for mixed waste at the Los Alamos National Laboratory (LANL). This document revises the Part A submitted to the New Mexico Environment Department last year at this time.

The revisions are made pursuant to Section 270.72 of the New Mexico Hazardous Waste Regulations. This document requests several changes to Part A that are reflective of the changing environment of how we do business. The various changes and their individual justifications are contained in the document.

Should you have any questions concerning this document, please call Joe Vozella at 665-5027, or Jon Mack at 665-5026.

Sincerely,

for Earl W. Bean
Acting Area Manager

LAAMEP:7JM-270

Enclosure

cc w/o enclosure:
B. Hoditschek
New Mexico Environment Dept.
P. O. Box 26110
Santa Fe, NM 87502

15397

T2

Contract 9-XV2-139-EE1
Project No. 301608.14
September 1994

RCRA Part A Permit Application for Mixed Waste

Revision 2.0

Prepared by:

Los Alamos National Laboratory
Environmental Protection Group ESH-8
Los Alamos, New Mexico 87545

Controlled Copy No. 1

LA-UR-07-0214

Approved for public release; distribution is unlimited.

Title: RCRA PART A PERMIT APPLICATION REVISION 2.0, SEPTEMBER 30, 1994

Author(s): Jack E. Ellvinger, ENV-RCRA

Intended for: New Mexico Environment Department- Hazardous Waste Bureau

Los Alamos
NATIONAL LABORATORY
EST. 1943

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Form 836 (7/06)

General Justification for Part A Permit Application Changes

Los Alamos National Laboratory (LANL) is requesting the changes listed in Tables A and B (on the following pages) pursuant to the Hazardous Waste Administrative Code, Title 20, Chapter 4, Part 1 (20 NMAC 4.1), Subpart IX, 270.72(a). Table A lists new hazardous wastes not previously identified in Revision 1.0 of the Part A permit application submitted to the New Mexico Environment Department in September 1993. As required by 20 NMAC 4.1, Subpart IX, 270.72(a)(1), the listing of new hazardous wastes is being submitted with Revision 2.0 of the Part A permit application. Changes to include new wastes can be made if the owner or operator submits a revised Part A permit application prior to treatment, storage, or disposal of such waste per 20 NMAC 4.1, Subpart IX, 270.72(a)(1). Regulatory justifications for increases in design capacity are (i) a lack of available treatment, storage, or disposal capacity at other hazardous waste management facilities, and (ii) the change is necessary to comply with a Federal, State, or local requirement. Increases in the design capacity of processes at LANL and more specific justifications explaining the need for the changes are presented in Table B. This information is being submitted with Revision 2.0 of the Part A permit application, as required by 20 NMAC 4.1, Subpart IX, 270.72(a)(2). Additional units and units with capacity changes from Revision 1.0 of the Part A permit application are shown in this table.

~~Justification for Part A Changes~~

~~Los Alamos National Laboratory (LANL) is requesting the changes listed in Tables A, B, and C (attached) per the Hazardous Waste Management Regulations, Revision 7 (HWMR 7), Pt. IX, 270.72(a). Table A lists treatment and storage of new hazardous wastes not previously identified in the original Part A permit application submitted to the New Mexico Environment Department in January 1991. As required by HWMR 7, Pt. IX, 270.72(a)(1), the listing of new hazardous wastes is being submitted with the revised Part A permit application (which is included as Attachment 1-1 in the 1993 Part B permit application submittal). Changes to include new wastes can be made if the owner or operator submits a revised Part A permit application prior to treatment, storage, or disposal of such waste per HWMR 7, Pt. IX, 270.72(a)(1). Regulatory justifications for increases in design capacity are (i) a lack of available treatment, storage, or disposal capacity at other hazardous waste management facilities, and (ii) the change is necessary to comply with a Federal, State, or local requirement. Increases in the design capacity of processes at LANL and more specific justifications explaining the need for the changes are presented in Table B. This information is being submitted with the revised Part A permit application, as required by HWMR 7, Pt. IX, 270.72(a)(2). Regulatory justifications for changes in the processes for the treatment, storage, or disposal of hazardous waste or addition of processes are necessary to comply with a Federal, State, or local requirement. Changes and additions of processes for treatment and storage at LANL and more specific justifications explaining the need for the changes are summarized in Table C. This information is being submitted in the revised Part A application to meet the requirements of HWMR 7, Pt. IX, 270.72(a)(3).~~

Table A

New Hazardous Wastes Added to the Part A Permit Application, Revision 2.0
(Listed by Environmental Protection Agency [EPA] Hazardous Waste Number)

Low-Level Mixed Waste	TRU Mixed Waste
D032	D032
D033	D033
D042	D042
D043	D043

~~Table A~~

~~New Hazardous Wastes Added to the Revised Part A Permit Application~~
~~(Listed by EPA Hazardous Waste Code)~~

~~LLMW~~	~~TRUMW~~
~~F004~~	~~F004~~
~~F006~~	~~P012~~
~~F019~~	~~P029~~
~~P012~~	~~P030~~
~~P030~~	~~P063~~
~~P063~~	~~P068~~
~~P068~~	~~P073~~
~~P098~~	~~P098~~
~~P106~~	~~P106~~
~~P113~~	~~P113~~
~~P120~~	~~P120~~
~~U003~~	~~U003~~
~~U012~~	~~U012~~
~~U022~~	~~U022~~
~~U052~~	~~U052~~
~~U056~~	~~U056~~
~~U057~~	~~U057~~
~~U077~~	~~U077~~
~~U121~~	~~U080~~
~~U122~~	~~U121~~
~~U131~~	~~U122~~
~~U144~~	~~U123~~
~~U160~~	~~U131~~
~~U165~~	~~U144~~
~~U204~~	~~U160~~
~~U216~~	~~U165~~
~~U218~~	~~U190~~
~~U219~~	~~U204~~
~~U225~~	~~U216~~
~~U239~~	~~U218~~
~~U246~~	~~U219~~
	~~U225~~
	~~U239~~
	~~U246~~

Table B
Summary of Increases in Design Capacity of Processes
in the Part A Permit Application, Revision 2.0
(Justification Required)

	Old Capacity (in gallons)	New Capacity (in gallons)	Specific Justification
Container Storage:			
Technical Area (TA)-54, Area G, Storage Shed 8 (TA-54-8)	11,000	13,000	Capacity of the shed will be able to increase from 11,000 to 13,000 gallons if a standard-sized storage crate is used. Old capacity was based on use of a variety of container types.
Storage Dome 49 (TA-54-49)	180,000	240,000	New capacity reflects needed expansion for low-level mixed waste at this container storage area.
TA-54, Area G, Storage Sheds 1027, 1028, 1029, and 1041	1,760 ea.	2,750 ea.	LANL is planning to use a different shed model than those presented in Revision 1.0 of the Part A permit application. New capacity reflects volume of replacement sheds.
TA-54, Nondestructive Assay/ Nondestructive Examination (NDA/NDE) Facility (TA-54-38)	--	7,260	Capacity reflects volume of storage that will be necessary during NDA/NDE operations for mixed waste at this facility.
TA-55, Building 185 (TA-55-185)	--	15,000	Capacity reflects volume of storage that will be necessary for staging of transuranic (TRU) mixed waste prior to transport to TA-54.

~~Table B~~
~~Increases In Design Capacity of Processes~~
~~(Justification Required)~~

	~~Old Capacity (in gallons)~~	~~New Capacity (in gallons)~~	~~Justification~~
~~Container Storage:~~			
~~TA-50-1-60D~~	~~825~~	~~1,485~~	~~Additional cemented waste (generated at TA-63, HWTF) may need to be stored~~
~~TA-54, Area L, Area 1~~	~~100,000~~	~~142,240~~	~~Planned extension of existing storage pad~~
~~TA-54, Area L, Area 2~~	~~50,000~~	~~21,120~~	~~Expected capacity at this area is less than originally planned~~
~~TA-54, Area L, Area 3~~	~~\-\-~~	~~14,080~~	~~Additional storage needed in this area~~
~~TA-54, Area L, Area 4~~	~~\-\-~~	~~11,000~~	~~Additional storage needed in this area~~
~~TA-54, Area L, Area 5~~	~~300~~	~~42,240~~	~~Additional storage needed in this area~~
~~TA-54, Area L, Area 6~~	~~2,500~~	~~23,760~~	~~Planned extension of existing storage area~~
~~TA-54, Area L, Area 7~~	~~\-\-~~	~~1,950~~	~~Additional storage needed in this area~~
~~TA-54, Area G, 4 sheds over Pit No. 33~~	~~–~~	~~1,760 ea.~~	~~Additional capacity needed in Area G~~
~~TA-54, Area G, Storage Pad 1~~	~~1,940,000~~	~~970,000~~	~~New capacity reflects maximum capacity after retrofit~~
~~TA-54, Area G, Storage Pad 2~~	~~1,940,000~~	~~430,045~~	~~Capacity adjusted to reflect amount of waste currently stored~~
~~TA-54, Area G, Storage Pad 4~~	~~1,940,000~~	~~970,000~~	~~New capacity reflects maximum capacity after retrofit~~
~~TA-54, Area G, Storage Domes A, B, C, and D (planned)~~	~~\-\-~~	~~790,000 ea.~~	~~Additional storage needed for waste retrieved from Pads 1 and 4~~
~~TA-54, Area G, Dome storage over Pit No. 30~~	~~400,000~~	~~900,000~~	~~Additional storage needed for FRP boxes~~

~~Table B, Continued~~
~~Increases In Design Capacity of Processes~~
~~(Justification Required)~~

	~~Old Capacity (in gallons)~~	~~New Capacity (in gallons)~~	~~Justification~~
~~TA-55-4-401, container storage area (CSA) for mixed waste monitoring~~	~~\-\-~~	~~660~~	~~Additional storage capacity needed within TA-55-4~~
~~TA-55-4-401, CSA for sphere material removal~~	~~\-\-~~	~~280~~	~~Additional storage capacity needed within TA-55-4~~
~~TA-55-4-432, CSA for glovebox process waste~~	~~\-\-~~	~~2,200~~	~~Additional storage capacity needed within TA-55-4~~
~~TA-55-4-433, CSA for mixed waste monitoring~~	~~\-\-~~	~~550~~	~~Additional storage capacity needed within TA-55-4~~
~~TA-55-4, north end, basement, CSA~~	~~\-\-~~	~~3,025~~	~~Additional storage capacity needed within TA-55-4~~
~~TA-55-41, CSA (vault)~~	~~\-\-~~	~~100,000~~	~~Additional storage capacity needed within TA-55-4~~
~~Tank Storage:~~			
~~TA-63, HWTF, 6 treated liquid storage tanks~~	~~\-\-~~	~~3,000 ea.~~	~~New storage capacity needed within TA-63~~
~~Treatment tank:~~		**~~gal/day~~**	
~~TA-63, HWTF, chemical plating waste treatment skid~~	~~\-\-~~	~~400~~	~~New treatment process for mixed waste~~
~~Treatment Waste Detonation:~~		**~~lbs/detonation~~**	
~~TA-15-184, waste detonation site (PHERMEX Facility)~~	~~100~~	~~500~~	~~Process same as at TA-36-8; capacity at that facility is 500 lbs/detonation~~

~~Table C~~

~~Changes In Processes~~
~~(Justification Required)~~

~~EPA Hazardous Waste No.~~	~~Process Code~~	~~Justification~~
~~LLMW~~		
~~D002~~	~~T01~~	~~Treatment in tank, HWTF~~
~~D006~~	~~S02, T01~~	~~Storage and treatment in tanks, HWTF~~
~~D007~~	~~T01~~	~~Treatment in tank, HWTF~~
~~D008~~	~~S02, T01~~	~~Storage and treatment in tanks, HWTF~~
~~D011~~	~~S02, T01~~	~~Storage and treatment in tanks, HWTF~~
~~F004~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~F006~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~F007~~	~~S02, T01~~	~~Storage and treatment in tanks, HWTF~~
~~F008~~	~~S02, T01~~	~~Storage and treatment in tanks, HWTF~~
~~F019~~	~~S01~~	~~Potential to store this waste at LANL~~
~~P012~~	~~S01~~	~~Potential to store this waste at LANL~~
~~P030~~	~~S01~~	~~Potential to store this waste at LANL~~
~~P063~~	~~S01~~	~~Potential to store this waste at LANL~~
~~P068~~	~~S01~~	~~Potential to store this waste at LANL~~
~~P098~~	~~S01~~	~~Potential to store this waste at LANL~~
~~P106~~	~~S01~~	~~Potential to store this waste at LANL~~
~~P113~~	~~S01~~	~~Potential to store this waste at LANL~~
~~P120~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U003~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U012~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U022~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U052~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U056~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U057~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U077~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U121~~	~~S01~~	~~Potential to store this waste at LANL~~

~~Table C, Continued~~

~~Changes In Processes~~
~~(Justification Required)~~

~~EPA Hazardous Waste No.~~	~~Process Code~~	~~Justification~~
~~U122~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U131~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U144~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U160~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U165~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U204~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U216~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U218~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U219~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U225~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U239~~	~~S01~~	~~Potential to store this waste at LANL~~
~~U246~~	~~S01~~	~~Potential to store this waste at LANL~~
~~TRUMW~~		
~~F004~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~P012~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~P029~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~P030~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~P063~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~P068~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~P073~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~P098~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~P106~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~P113~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~P120~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U003~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U012~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U022~~	~~S01~~	~~Potential to generate and store this waste at LANL~~

~~Table C, Continued~~

~~Changes in Processes~~
~~(Justification Required)~~

~~EPA Hazardous Waste No.~~	~~Process Code~~	~~Justification~~
~~U052~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U056~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U057~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U077~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U080~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U121~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U122~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U123~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U131~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U144~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U160~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U165~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U190~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U204~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U216~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U218~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U219~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U225~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U239~~	~~S01~~	~~Potential to generate and store this waste at LANL~~
~~U246~~	~~S01~~	~~Potential to generate and store this waste at LANL~~

Summary of Changes in Estimated Annual Quantities of TRU and Low-Level Mixed Waste

Quantities of low-level mixed waste at all LANL sites (inclusive of TA-54, Area G) are shown on pages 6(a) of 7 through 6(d) of 7. Low-level mixed waste in storage at Area G is located only at TA-54-49. The estimated quantities in storage at this location are presented on pages 6(d) of 7 through 6(h) of 7. These quantities include waste streams that have more than one EPA Hazardous Waste Number and sometimes several different combinations of EPA Hazardous Waste Numbers in the same waste stream.

Estimated annual quantities of TRU mixed waste stored and treated at all LANL sites (inclusive of TA-54, Area G) are shown on pages 6(h) of 7 through 6(k) of 7. Pages 6(k) of 7 through 6(p) of 7 reflect estimated quantities of existing TRU mixed waste that are in storage only at TA-54, Area G. The quantities are presented by specific location and, like the low-level mixed waste at TA-54-49, include waste streams with more than one EPA Hazardous Waste Number and sometimes several different combinations of EPA Hazardous Waste Numbers in the same waste stream.

The separate estimates for the existing mixed waste at TA-54, Area G are greater than previous estimates but do not reflect an increase in annual rate of generation. These new estimates represent the cumulative effect of waste being placed in storage year after year.

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0034 Expires 12-31-91
GSA No. 0246-EPA-OT

For EPA Regional Use Only	EPA	For State Use Only
Date Received: Month / Day / Year	United States Environmental Protection Agency Washington, DC 20460	

Hazardous Waste Permit Application Part A

(Read the Instructions before starting)

I. ID Number(s)

A. EPA ID Number	B. Secondary ID Number *(If applicable)*
NM089001051 5	

II. Name of Facility

LOS ALAMOS NATIONAL LABORATORY

III. Facility Location *(Physical address not P.O. Box or Route Number)*

A. Street:

Street *(continued)*:

City or Town	State	ZIP Code
LOS ALAMOS	NM	87545-

County Code *(If known)*	County Name
028	LOS ALAMOS

B. Land Type *(enter code)*	C. Geographic Location: LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*	D. Facility Existence Date: Month Day Year
F	35 49 051	106 14 015	01 01 1943

IV. Facility Mailing Address

Street or P.O. Box: PO BOX 1663

City or Town	State	ZIP Code
LOS ALAMOS	NM	87545-

V. Facility Contact *(Person to be contacted regarding waste activities at facility)*

Name *(last)*	*(first)*
VOZELLA	JOSEPH

Job Title	Phone Number *(area code and number)*
CHIEF, ES&H	505-665-5027

VI. Facility Contact Address *(See instructions)*

A. Contact Address: Location	Mailing	B. Street or P.O. Box
	X	528 35TH STREET

City or Town	State	ZIP Code
LOS ALAMOS	NM	87544-

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0034 Expires 12-31-91
GSA No. 0246-EPA-OT

EPA I.D. Number *(enter from page 1)*: NM089001051 5

Secondary ID Number *(enter from page 1)*:

VII. Operator Information *(see instructions)*

Name of Operator: UNIVERSITY OF CALIFORNIA

Street or P.O. Box: PO BOX 1663

City or Town: LOS ALAMOS

State: NM

ZIP Code: 87545-

Phone Number *(area code and number)*: 505-667-5061

B. Operator Type: F

C. Change of Operator Indicator: Yes [ ] No [X]

Date Changed Month Day Year:

VIII. Facility Owner *(see instructions)*

A. Name of Facility's Legal Owner: US DEPARTMENT OF ENERGY

Street or P.O. Box: 528 35TH STREET

City or Town: LOS ALAMOS

State: NM

ZIP Code: 87544-

Phone Number *(area code and number)*: 505-667-5061

B. Owner Type: F

C. Change of Owner Indicator: Yes [ ] No [X]

Date Changed Month Day Year:

IX. SIC Codes *(4-digit, in order of significance)*

Primary		Secondary	
9711	(description) NATIONAL SECURITY		(description)
Secondary		**Secondary**	
	(description)		(description)

X. Other Environmental Permits *(see instructions)*

A. Permit Type (enter code)	B. Permit Number	C. Description
N	NM0028355	NPDES
N	NM0028576	NPDES (Fenton Hill Geothermal Site)
R	NM0890010515	RCRA (Hazardous Waste Permit)
		RAD. NESHAPs Preconstr. Approvals:
E		Low Level Waste/Mixed Waste Incin.
E		Dual Axis Radiographic Hydrotest Fac.
E		Ground Test Accelerator
E		Independent Management Activity
E		Fac. Wide App. for Existent Emissions

EPA I.D. Number
NM0890010515

X. Other Environmental Permits *(continued)*		
A. Permit Type	**B. Permit Number**	**C. Description**
		RAD. NESHAPS PRECONSTRUCTION APPROVALS (Cont'd)
E		TA-21, D&D Activity
E		TA-50, Bldg. 83 - Mobile Decon. Trailer
E		TA-54, TRU Retrieval Domes
		STATE AIR QUALITY PERMITS:
~~E~~	~~699~~	~~Solid Waste Fired Boiler~~
E	New Mexico Air Quality Permit # 632	Beryllium Machining Emissions
E	New Mexico Air Quality Permit # 634-M-1	Beryllium Processing Emissions
E	New Mexico Air Quality Permit # 635	Beryllium Machining Emissions
E	New Mexico Air Quality Permit # 636	Beryllium Machining Emissions
E	New Mexico Air Quality Permit # 741	Planned Beryllium Machining Emissions
E	New Mexico Air Quality Permit #1081	Beryllium Machining Emissions
		STATE SEPTIC TANK PERMITS:
E	LA-01	State Septic Tank Permit
E	LA-02	State Septic Tank Permit
E	LA-03	State Septic Tank Permit
E	LA-04	State Septic Tank Permit
E	LA-05	State Septic Tank Permit
E	LA-06	State Septic Tank Permit

EPA I.D. Number
NM0890010515

X. Other Environmental Permits *(continued)*		
A. Permit Type	**B. Permit Number**	**C. Description**
E	LA-07	State Septic Tank Permit
E	LA-08	State Septic Tank Permit
E	LA-09	State Septic Tank Permit
E	LA-11	State Septic Tank Permit
E	LA-12	State Septic Tank Permit
E	LA-13	State Septic Tank Permit
E	LA-14	State Septic Tank Permit
E	LA-15	State Septic Tank Permit
E	LA-16	State Septic Tank Permit
E	LA-17	State Septic Tank Permit
E	LA-18	State Septic Tank Permit
E	LA-19	State Septic Tank Permit
E	LA-21	State Septic Tank Permit
E	LA-22	State Septic Tank Permit
E	LA-23	State Septic Tank Permit
E	LA-24	State Septic Tank Permit
E	LA-25	State Septic Tank Permit
E	LA-26	State Septic Tank Permit
E	LA-27	State Septic Tank Permit
E	LA-28	State Septic Tank Permit
E	LA-29	State Septic Tank Permit
E	LA-30	State Septic Tank Permit
E	LA-31	State Septic Tank Permit
E	LA-32	State Septic Tank Permit

EPA I.D. Number
NM0890010515

X. Other Environmental Permits *(continued)*		
A. Permit Type	**B. Permit Number**	**C. Description**
E	LA-33	State Septic Tank Permit
E	LA-34	State Septic Tank Permit
E	LA-35	State Septic Tank Permit
E	LA-36	State Septic Tank Permit
E	LA-37	State Septic Tank Permit
E	LA-38	State Septic Tank Permit
E	LA-39	State Septic Tank Permit
E	LA-42	State Septic Tank Permit
E	LA-43	State Septic Tank Permit
E	LA-44	State Septic Tank Permit
E	LA-45	State Septic Tank Permit
E	LA-46	State Septic Tank Permit
E	LA-47	State Septic Tank Permit
E	LA-48	State Septic Tank Permit
E	LA-49	State Septic Tank Permit
E	LA-50	State Septic Tank Permit
E	LA-51	State Septic Tank Permit
E	LA-52	State Septic Tank Permit
E	LA-53	State Septic Tank Permit
E	LA-54	State Septic Tank Permit
E	LA-55	State Septic Tank Permit
E	LA-56	State Septic Tank Permit
E	LA-57	State Septic Tank Permit
E	LA-58	State Septic Tank Permit

EPA I.D. Number
NM0890010515

X. Other Environmental Permits *(continued)*		
A. Permit Type	**B. Permit Number**	**C. Description**
E	LA-59	State Septic Tank Permit
E	LA-60	State Septic Tank Permit
E	LA-61	State Septic Tank Permit
E	LA-124	State Septic Tank Permit
E	SF880257	State Septic Tank Permit
E	SF880258	State Septic Tank Permit
E	SF880259	State Septic Tank Permit
E	SF880260	State Septic Tank Permit
E	SF880261	State Septic Tank Permit
E	SF890023	State Septic Tank Permit
E	SF890024	State Septic Tank Permit
E	SF890025	State Septic Tank Permit
E	SF89031R	State Septic Tank Permit
E	SF89032R	State Septic Tank Permit
E	SF89033R	State Septic Tank Permit
E	SF89034R	State Septic Tank Permit
E	SF89035R	State Septic Tank Permit
E	SF89036R	State Septic Tank Permit
E	SF890588	State Septic Tank Permit
E	SF890589	State Septic Tank Permit
E	SF890590	State Septic Tank Permit
E	SF900022	State Septic Tank Permit

EPA I.D. Number (enter from page 1)	Secondary ID Number (enter from page 1)
N M 0 8 9 0 0 1 0 5 1 5	

XI. Nature of Business (provide a brief description)

The principal mission of LANL includes the research, design, development, and analysis of weapons components for the nation's nuclear arsenal. This effort is supported by research programs such as nuclear physics, hydrodynamics, conventional explosives, chemistry, metallurgy, radiochemistry, and biology. In addition to its defense program efforts, LANL supports energy research and environmental missions with programs including medium-energy physics; space nuclear systems; controlled thermonuclear fusion; laser research; environmental research; geothermal, solar, and fossil energy research; nuclear safeguards; biomedical research; and space physics. In 1992, LANL expanded its mission in support of environmental management to include development of new programs in the areas of health and biotechnology, environmental technologies, and industrial partnerships.

XII. Process - Codes and Design Capacities

A. **PROCESS CODE** – *Enter the code from the list of process codes below that best describes each process to be used at the facility. Twelve lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided in Item XIII.*

B. **PROCESS DESIGN CAPACITY** – *For each code entered in column A, enter the capacity of the process.*

1. **AMOUNT** – *Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process unit.*
2. **UNIT OF MEASURE** – *For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.*

C. **PROCESS TOTAL NUMBER OF UNITS** – *Enter the total number of units used with the corresponding process code.*

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
	DISPOSAL:	
D79	INJECTION WELL	GALLONS; LITERS; GALLONS PER DAY; OR LITERS PER DAY
D80	LANDFILL	ACRE-FEET OR HECTARE-METER
D81	LAND APPLICATION	ACRES OR HECTARES
D82	OCEAN DISPOSAL	GALLONS PER DAY OR LITERS PER DAY
D83	SURFACE IMPOUNDMENT	GALLONS OR LITERS
	STORAGE:	
S01	CONTAINER (barrel, drum, etc.)	GALLONS OR LITERS
S02	TANK	GALLONS OR LITERS
S03	WASTE PILE	CUBIC YARDS OR CUBIC METERS
S04	SURFACE IMPOUNDMENT	GALLONS OR LITERS
	TREATMENT:	
T01	TANK	GALLONS PER DAY OR LITERS PER DAY
T02	SURFACE IMPOUNDMENT	GALLONS PER DAY OR LITERS PER DAY
T03	INCINERATOR	SHORT TONS PER HOUR; METRIC TONS PER HOUR; GALLONS PER HOUR; LITERS PER HOUR; OR BTU'S PER HOUR
T04	OTHER TREATMENT (Use for physical, chemical, thermal or biolgical treatment processes not occurring in tanks, surface impoundment or incinerators. Describe the processes in the space provided in Item XIII.)	GALLONS PER DAY; LITERS PER DAY; POUNDS PER HOUR; SHORT TONS PER HOUR; KILOGRAMS PER HOUR; METRIC TONS PER DAY; METRIC TONS PER HOUR; OR SHORT TONS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
GALLONS PER HOUR	E
GALLONS PER DAY	U
LITERS	L
LITERS PER HOUR	H
LITERS PER DAY	V
SHORT TONS PER HOUR	D
METRIC TONS PER HOUR	W
SHORT TONS PER DAY	N
METRIC TONS PER DAY	S
POUNDS PER HOUR	J
KILOGRAMS PER HOUR	R
CUBIC YARDS	Y
CUBIC METERS	C
ACRES	B
ACRE-FEET	A
HECTARES	Q
HECTARE-METER	F
BTU's PER HOUR	X

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0034 Expires 12-31-91
GSA No. 0246-EPA-CT

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XII. Process - Codes and Design Capacities (continued)

EXAMPLE FOR COMPLETING ITEM XII (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

Line Number	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. 2. UNIT OF MEASURE (enter code)	C. PROCESS TOTAL NUMBER OF UNITS	FOR OFFICIAL USE ONLY
X 1	S 0 2	600	G	0 0 2	
X 2	T 0 3	20	E	0 0 1	
1	S 0 1	7,926,570	G	0 2 9*	
2	S 0 2	18,720	G	0 2 1	
3	S 0 4	5,838,288	G	0 0 3	
4	T 0 1	400	U	0 0 1	
5	T 0 3	1.5×10^6	K	0 0 1	
6					
7					
8					
9					
10					
11					
12					

NOTE: If you need to list more than 12 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for additional treatment processes in Item XIII.

XIII. Additional Treatment Processes (follow instructions from Item XII)

Line Number (enter numbers in sequence with Item XII)	A. PROCESS CODE	B. TREATMENT PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. 2. UNIT OF MEASURE (enter code)	C. PROCESS TOTAL NUMBER OF UNITS	D. DESCRIPTION OF PROCESS
0 6	T 0 4	1,000	see descript.	0 0 2	Areas are used at TA-15 and TA-36 for detonating high explosive mixed waste. The maximum amount of material for detonation is 500 lbs. at TA-15 and TA-36.
0 7	T 0 4	770	U	0 0 2	Cementing of process wastes occurs at TA-50 and TA-55. Cementing at TA-50 occurs several times a year; cementing at TA-55 generally occurs on a weekly basis.
0 8	T 0 4	0.26	J	0 0 1	Unit included here is an oxygen sparging furnace at TA-55-4 used in the treatment of waste pyrophoric salts; this unit will be closed under interim status.
	T 0 4				

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N	M	0	8	9	0	0	1	0	5	1	5

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XIV. Description of Hazardous Wastes

A. EPA HAZARDOUS WASTE NUMBER - *Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR, Part 261 Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.*

B. ESTIMATED ANNUAL QUANTITY - *For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.*

C. UNIT OF MEASURE - *For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:*

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that processes that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

1. *Enter the first two as described above.*
2. *Enter "000" in the extreme right box of Item XIV-D(1).*
3. *Enter in the space provided on page 7, Item XIV-E, the line number and the additional code(s).*

2. PROCESS DESCRIPTION : *If a code is not listed for a process that will be used, describe the process in the space provided on the form (D.(2)).*

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. *Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.*
2. *In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.*
3. *Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.*

EXAMPLE FOR COMPLETING ITEM XIV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number	A. EPA HAZARD WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESS (1) PROCESS CODES (enter)	D. PROCESS (2) PROCESS DESCRIPTION (if a code is not entered in D(1))
X 1	K 0 5 4	900	P	T 0 3 D 8 0	
X 2	D 0 0 2	400	P	T 0 3 D 8 0	
X 3	D 0 0 1	100	P	T 0 3 D 8 0	
X 4	D 0 0 2				Included With Above

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			D. Processes (2) Process Description (If a code is not entered in D(1))
1	D001	120,000	P	S01	S02	T03	Low-level Mixed Waste (LLMW)
2	D002	45,000	P	S01	S02	T01	LLMW
3	D003	60,000	P	S01	S02	T01	LLMW
4	D004	1,000	P	S01	T04		LLMW
5	D005	7,000	P	S01	T04		LLMW
6	D006	12,000	P	S01	S02	T01	LLMW
7	D007	45,000	P	S01	S02	T01	LLMW
8	D008	260,000	P	S01	S02	T01	LLMW
9	D009	20,000	P	S01	S02	T03	LLMW
10	D010	500	P	S01			LLMW
11	D011	9,500	P	S01	S02	T01	LLMW
12	D018	1,000	P	S01			LLMW
13	D019	1,000	P	S01			LLMW
14	D021	1,000	P	S01			LLMW
15	D022	1,000	P	S01			LLMW
16	D027	1,000	P	S01			LLMW
17	D028	1,000	P	S01			LLMW
18	D030	1,000	P	S01			LLMW
19	D032	100	P	S01			LLMW
20	D033	100	P	S01			LLMW
21	D034	1,000	P	S01			LLMW
22	D035	1,000	P	S01			LLMW
23	D036	1,000	P	S01			LLMW
24	D038	1,000	P	S01			LLMW
25	D039	1,000	P	S01			LLMW
26	D040	1,000	P	S01			LLMW
27	D042	100	P	S01			LLMW
28	D043	100	P	S01			LLMW
29	F001	150,000	P	S01	S02	T03	LLMW
30	F002	40,000	P	S01	S02	T03	LLMW
31	F003	15,000	P	S01	S02	T03	LLMW
32	F004	100	P	S01			LLMW

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			D. Processes (2) Process Description (If a code is not entered in D(1))
33	F005	150,000	P	S01	S02	S04	LLMW
34	F006	4,500	P	S01			LLMW
35	F007	13,000	P	S01	S02	T01	LLMW
36	F008	3,000	P	S01	S02	T01	LLMW
37	F019	500	P	S01			LLMW
38	P003	100	P	S01			LLMW
39	P012	100	P	S01			LLMW
40	P015	100	P	S01			LLMW
41	P029	100	P	S01			LLMW
42	P030	100	P	S01			LLMW
43	P031	100	P	S01			LLMW
44	P038	100	P	S01			LLMW
45	P056	100	P	S01			LLMW
46	P063	100	P	S01			LLMW
47	P068	100	P	S01			LLMW
48	P073	100	P	S01			LLMW
49	P076	100	P	S01			LLMW
50	P078	100	P	S01			LLMW
51	P095	200	P	S01			LLMW
52	P096	100	P	S01			LLMW
53	P098	100	P	S01			LLMW
54	P106	100	P	S01			LLMW
55	P113	100	P	S01			LLMW
56	P120	100	P	S01			LLMW
57	U001	100	P	S01			LLMW
58	U002	200	P	S01			LLMW
59	U003	100	P	S01			LLMW
60	U012	100	P	S01			LLMW
61	U019	100	P	S01			LLMW
62	U022	100	P	S01			LLMW
63	U029	100	P	S01			LLMW
64	U031	100	P	S01			LLMW
65	U037	100	P	S01			LLMW

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			D. Processes (2) Process Description (If a code is not entered in D(1))
66	U044	100	P	S01			LLMW
67	U045	100	P	S01			LLMW
68	U052	100	P	S01			LLMW
69	U056	100	P	S01			LLMW
70	U057	100	P	S01			LLMW
71	U075	100	P	S01			LLMW
72	U077	100	P	S01			LLMW
73	U080	500	P	S01			LLMW
74	U108	100	P	S01			LLMW
75	U112	100	P	S01			LLMW
76	U115	100	P	S01			LLMW
77	U117	100	P	S01			LLMW
78	U121	100	P	S01			LLMW
79	U122	100	P	S01			LLMW
80	U123	100	P	S01			LLMW
81	U131	100	P	S01			LLMW
82	U133	100	P	S01			LLMW
83	U134	100	P	S01			LLMW
84	U135	100	P	S01			LLMW
85	U140	100	P	S01			LLMW
86	U144	100	P	S01			LLMW
87	U151	100	P	S01			LLMW
88	U154	~~200~~ 300	P	S01			LLMW
89	U159	100	P	S01			LLMW
90	U160	100	P	S01			LLMW
91	U161	100	P	S01			LLMW
92	U165	100	P	S01			LLMW
93	U169	100	P	S01			LLMW
94	U188	100	P	S01			LLMW
95	U190	100	P	S01			LLMW
96	U196	100	P	S01			LLMW
97	U204	100	P	S01			LLMW

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			D. Processes (2) Process Description (If a code is not entered in D(1))
98	U210	100	P	S01			LLMW
99	U211	100	P	S01			LLMW
100	U213	100	P	S01			LLMW
101	U216	100	P	S01			LLMW
102	U218	100	P	S01			LLMW
103	U219	100	P	S01			LLMW
104	U220	100	P	S01			LLMW
105	U225	100	P	S01			LLMW
106	U226	~~500~~ 800	P	S01			LLMW
107	U227	100	P	S01			LLMW
108	U228	100	P	S01			LLMW
109	U239	200	P	S01			LLMW
110	U246	100	P	S01			LLMW
111	THIS LINE INTENTIONALLY LEFT BLANK						
112	D001	360	P	S01			LLMW, TA-54-49
113	D009						
114	THIS LINE INTENTIONALLY LEFT BLANK						
115	D001	1,151	P	S01			LLMW, TA-54-49
116	F001						
117	F003						
118	THIS LINE INTENTIONALLY LEFT BLANK						
119	D003	18,681	P	S01			LLMW, TA-54-49
120	THIS LINE INTENTIONALLY LEFT BLANK						
121	D003	238	P	S01			LLMW, TA-54-49
122	F002						
123	THIS LINE INTENTIONALLY LEFT BLANK						
124	D004	119	P	S01			LLMW, TA-54-49
125	THIS LINE INTENTIONALLY LEFT BLANK						
126	D004	601	P	S01			LLMW, TA-54-49
127	D005						
128	D006						
129	D007						

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			D. Processes (2) Process Description (If a code is not entered in D(1))
130	D008						
131	D009						
132	D010						
133	THIS LINE INTENTIONALLY LEFT BLANK						
134	D004	241	P	S01			LLMW, TA-54-49
135	D005						
136	D006						
137	D007						
138	D008						
139	D009						
140	D010						
141	D011						
142	D030						
143	D032						
144	THIS LINE INTENTIONALLY LEFT BLANK						
145	D004	241	P	S01			LLMW, TA-54-49
146	D005						
147	D006						
148	D007						
149	D008						
150	D009						
151	D010						
152	D011						
153	F002						
154	F004						
155	THIS LINE INTENTIONALLY LEFT BLANK						
156	D004	370	P	S01			LLMW, TA-54-49
157	D005						
158	D006						
159	D007						
160	D008						
161	F001						
162	F005						

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			(2) Process Description (If a code is not entered in D(1))
163	THIS LINE INTENTIONALLY LEFT BLANK						
164	D005	818	P	S01			LLMW, TA-54-49
165	THIS LINE INTENTIONALLY LEFT BLANK						
166	D005	5	P	S01			LLMW, TA-54-49
167	D006						
168	D007						
169	D008						
170	THIS LINE INTENTIONALLY LEFT BLANK						
171	D005	90	P	S01			LLMW, TA-54-49
172	D006						
173	D007						
174	D008						
175	D010						
176	THIS LINE INTENTIONALLY LEFT BLANK						
177	D005	19	P	S01			LLMW, TA-54-49
178	D006						
179	D007						
180	D008						
181	D010						
182	D011						
183	D030						
184	D032						
185	THIS LINE INTENTIONALLY LEFT BLANK						
186	D005	29	P	S01			LLMW, TA-54-49
187	D006						
188	D007						
189	D008						
190	D030						
191	D032						
192	D033						
193	THIS LINE INTENTIONALLY LEFT BLANK						
194	D005	29	P	S01			LLMW, TA-54-49
195	D006						

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			D. Processes (2) Process Description (If a code is not entered in D(1))
196	D007						
197	D008						
198	D030						
199	D032						
200	D033						
201	F004						
202	THIS LINE INTENTIONALLY LEFT BLANK						
203	D006	3,900	P	S01			LLMW, TA-54-49
204	THIS LINE INTENTIONALLY LEFT BLANK						
205	D006	13	P	S01			LLMW, TA-54-49
206	D007						
207	D008						
208	D030						
209	D032						
210	THIS LINE INTENTIONALLY LEFT BLANK						
211	D006	487	P	S01			LLMW, TA-54-49
212	D008						
213	THIS LINE INTENTIONALLY LEFT BLANK						
214	D007	2,011	P	S01			LLMW, TA-54-49
215	D008						
216	THIS LINE INTENTIONALLY LEFT BLANK						
217	D007	119	P	S01			LLMW, TA-54-49
218	D008						
219	D009						
220	THIS LINE INTENTIONALLY LEFT BLANK						
221	D008	669,443	P	S01			LLMW, TA-54-49
222	THIS LINE INTENTIONALLY LEFT BLANK						
223	D008	61	P	S01			LLMW, TA-54-49
224	D009						
225	THIS LINE INTENTIONALLY LEFT BLANK						
226	D009	6,112	P	S01			LLMW, TA-54-49
227	THIS LINE INTENTIONALLY LEFT BLANK						
228	D030	6	P	S01			LLMW, TA-54-49

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			D. Processes (2) Process Description (If a code is not entered in D[1])
229	D032						
230	D033						
231	D034						
232	D042						
233	F004						
234	THIS LINE INTENTIONALLY LEFT BLANK						
235	F001	658,713	P	S01			LLMW, TA-54-49
236	THIS LINE INTENTIONALLY LEFT BLANK						
237	F002	11,497	P	S01			LLMW, TA-54-49
238	THIS LINE INTENTIONALLY LEFT BLANK						
239	F003	2,875	P	S01			LLMW, TA-54-49
240	THIS LINE INTENTIONALLY LEFT BLANK						
241	D001	2,000	P	S01	T04		TRU Mixed Waste (TRUMW)
242	D002	30,000	P	S01	S02	T04	TRUMW
243	D003	10,000	P	S01	T04		TRUMW
244	D004	25,000	P	S01	S02	T04	TRUMW
245	D005	2,000	P	S01	T04		TRUMW
246	D006	40,000	P	S01	S02	T04	TRUMW
247	D007	35,000	P	S01	S02	T04	TRUMW
248	D008	200,000	P	S01	S02	T04	TRUMW
249	D009	3,000	P	S01	T04		TRUMW
250	D010	100	P	S01			TRUMW
251	D011	100	P	S01			TRUMW
252	D018	100	P	S01			TRUMW
253	D019	100	P	S01			TRUMW
254	D021	100	P	S01			TRUMW
255	D022	100	P	S01			TRUMW
256	D027	100	P	S01			TRUMW
257	D028	100	P	S01			TRUMW
258	D030	100	P	S01			TRUMW
259	D032	100	P	S01			TRUMW
260	D033	100	P	S01			TRUMW

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Secondary ID Number (enter from Page 1)

XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			(2) Process Description (If a code is not entered in D(1))
261	D034	100	P	S01			TRUMW
262	D035	100	P	S01			TRUMW
263	D036	100	P	S01			TRUMW
264	D038	100	P	S01			TRUMW
265	D039	100	P	S01			TRUMW
266	D040	100	P	S01			TRUMW
267	D042	100	P	S01			TRUMW
268	D043	100	P	S01			TRUMW
269	F001	200,000	P	S01	S02	T03	TRUMW
270	F002	130,000	P	S01	S02	T03	TRUMW
271	F003	130,000	P	S01	S02	T03	TRUMW
272	F004	100	P	S01			TRUMW
273	F005	130,000	P	S01	S02	T03	TRUMW
274	P003	100	P	S01			TRUMW
275	P012	100	P	S01			TRUMW
276	P015	100	P	S01			TRUMW
277	P029	100	P	S01			TRUMW
278	P030	100	P	S01			TRUMW
279	P031	100	P	S01			TRUMW
280	P038	100	P	S01			TRUMW
281	P056	100	P	S01			TRUMW
282	P063	100	P	S01			TRUMW
283	P068	100	P	S01			TRUMW
284	P073	100	P	S01			TRUMW
285	P076	100	P	S01			TRUMW
286	P078	100	P	S01			TRUMW
287	P095	100	P	S01			TRUMW
288	P096	100	P	S01			TRUMW
289	P098	100	P	S01			TRUMW
290	P106	100	P	S01			TRUMW
291	P113	100	P	S01			TRUMW
292	P120	100	P	S01			TRUMW
293	U001	100	P	S01			TRUMW

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			D. Processes (2) Process Description (If a code is not entered in D(1))
294	U002	100	P	S01			TRUMW
295	U003	100	P	S01			TRUMW
296	U012	100	P	S01			TRUMW
297	U019	100	P	S01			TRUMW
298	U022	100	P	S01			TRUMW
299	U029	100	P	S01			TRUMW
300	U031	100	P	S01			TRUMW
301	U037	100	P	S01			TRUMW
302	U044	100	P	S01			TRUMW
303	U045	100	P	S01			TRUMW
304	U052	100	P	S01			TRUMW
305	U056	100	P	S01			TRUMW
306	U057	100	P	S01			TRUMW
307	U075	100	P	S01			TRUMW
308	U077	100	P	S01			TRUMW
309	U080	100	P	S01			TRUMW
310	U108	100	P	S01			TRUMW
311	U112	100	P	S01			TRUMW
312	U115	100	P	S01			TRUMW
313	U117	100	P	S01			TRUMW
314	U121	100	P	S01			TRUMW
315	U122	100	P	S01			TRUMW
316	U123	100	P	S01			TRUMW
317	U131	100	P	S01			TRUMW
318	U133	100	P	S01			TRUMW
319	U134	100	P	S01			TRUMW
320	U135	100	P	S01			TRUMW
321	U140	100	P	S01			TRUMW
322	U144	100	P	S01			TRUMW
323	U151	100	P	S01			TRUMW
324	U154	100	P	S01			TRUMW
325	U159	100	P	S01			TRUMW
326	U160	100	P	S01			TRUMW

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			D. Processes (2) Process Description (If a code is not entered in D[1])
327	U161	100	P	S01			TRUMW
328	U165	100	P	S01			TRUMW
329	U169	100	P	S01			TRUMW
330	U188*	100	P	S01			TRUMW
331	U190	100	P	S01			TRUMW
332	U196	100	P	S01			TRUMW
333	U204	100	P	S01			TRUMW
334	U210	100	P	S01			TRUMW
335	U211	100	P	S01			TRUMW
336	U213	100	P	S01			TRUMW
337	U216	100	P	S01			TRUMW
338	U218	100	P	S01			TRUMW
339	U219	100	P	S01			TRUMW
340	U220	100	P	S01			TRUMW
341	U225	100	P	S01			TRUMW
342	U226	100	P	S01			TRUMW
343	U227	100	P	S01			TRUMW
344	U228	100	P	S01			TRUMW
345	U239	100	P	S01			TRUMW
346	U246	100	P	S01			TRUMW
347	THIS LINE INTENTIONALLY LEFT BLANK						
348	D007	2,609	P	S01			TRUMW, TA-54-48; A26
349	THIS LINE INTENTIONALLY LEFT BLANK						
350	D008	437,061	P	S01			TRUMW, TA-54-48; A25, A26, IDCs 001, 004, 005
351	THIS LINE INTENTIONALLY LEFT BLANK						
352	D007	677	P	S01			TRUMW, TA-54-48; A26
353	D008						
354	THIS LINE INTENTIONALLY LEFT BLANK						
355	D006	74,453	P	S01			TRUMW, TA-54-48; LA 126A, IDC 006
356	D007						
357	D008						

*Inadvertently deleted from original to Revision 1.0 of the Part A permit application, September 1993.

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			(2) Process Description (If a code is not entered in D(1))
358	THIS LINE INTENTIONALLY LEFT BLANK						
359	D019	1,088	P	S01			TRUMW, TA-54-48; LA 116A, LA 117B & D, LA 118A
360	D040						
361	THIS LINE INTENTIONALLY LEFT BLANK						
362	D008	701	P	S01			TRUMW, TA-54-48; LA 117B & D
363	D019						
364	D040						
365	THIS LINE INTENTIONALLY LEFT BLANK						
366	D006	947	P	S01			TRUMW, TA-54-48; LA 126A
367	D007						
368	D008						
369	F002						
370	THIS LINE INTENTIONALLY LEFT BLANK						
371	F001	129,215	P	S01			TRUMW, TA-54-48; IDC 004
372	F002						
373	THIS LINE INTENTIONALLY LEFT BLANK						
374	D007	1,294	P	S01			TRUMW, TA-54-48; A76
375	F001						
376	F002						
377	THIS LINE INTENTIONALLY LEFT BLANK						
378	D006	971	P	S01			TRUMW, TA-54-48; LA 114, IDC 006
379	D007						
380	D008						
381	F003						
382	THIS LINE INTENTIONALLY LEFT BLANK						
383	D006	1,021	P	S01			TRUMW, TA-54-48; LA 126A, IDC 006
384	D007						
385	D008						
386	F002						

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			D. Processes (2) Process Description (if a code is not entered in D[1])
387	F003						
388	THIS LINE INTENTIONALLY LEFT BLANK						
389	D007	107,732	P	S01			TRUMW, TA-54-48; IDC 002
390	F001						
391	F002						
392	F005						
393	THIS LINE INTENTIONALLY LEFT BLANK						
394	U080	508	P	S01			TRUMW, TA-54-48; IDC 004
395	THIS LINE INTENTIONALLY LEFT BLANK						
396	D008	4,097	P	S01			TRUMW, TA-54-153; LA 114A
397	THIS LINE INTENTIONALLY LEFT BLANK						
398	D006	1,768	P	S01			TRUMW, TA-54-153; LA 126A
399	D007						
400	D008						
401	THIS LINE INTENTIONALLY LEFT BLANK						
402	D007	781	P	S01			TRUMW, TA-54-153; LA 114A
403	D008						
404	D039						
405	THIS LINE INTENTIONALLY LEFT BLANK						
406	D006	1,138	P	S01			TRUMW, TA-54-153; LA 114A
407	D007						
408	D008						
409	F001						
410	THIS LINE INTENTIONALLY LEFT BLANK						
411	D006	865	P	S01			TRUMW, TA-54-153; LA 126A
412	D007						
413	D008						
414	F002						

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			D. Processes (2) Process Description (If a code is not entered in D[1])
415	THIS LINE INTENTIONALLY LEFT BLANK						
416	D006	754	P	S01			TRUMW, TA-54-153; LA 114A
417	D007						
418	D008						
419	F003						
420	THIS LINE INTENTIONALLY LEFT BLANK						
421	D006	1,095	P	S01			TRUMW, TA-54-153; LA 126A
422	D007						
423	D008						
424	D019						
425	D021						
426	F003						
427	THIS LINE INTENTIONALLY LEFT BLANK						
428	D006	1,162	P	S01			TRUMW, TA-54-153; LA 114A
429	D007						
430	D008						
431	F001						
432	F003						
433	THIS LINE INTENTIONALLY LEFT BLANK						
434	D006	1,127	P	S01			TRUMW, TA-54-153; LA 114A
435	D007						
436	D008						
437	F001						
438	F002						
439	F003						
440	THIS LINE INTENTIONALLY LEFT BLANK						
441	D007	722	P	S01			TRUMW, TA-54-153; LA 111A
442	D008						
443	D009						

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			(2) Process Description (If a code is not entered in D(1))
444	F001						
445	F002						
446	F005						
447	THIS LINE INTENTIONALLY LEFT BLANK						
448	F001	1,301	P	S01			TRUMW, TA-54, Pads 1, 2, and 4; A15
449	F002						
450	THIS LINE INTENTIONALLY LEFT BLANK						
451	D007	406,940	P	S01			TRUMW, TA-54, Pads 1, 2, and 4; A25
452	D008						
453	THIS LINE INTENTIONALLY LEFT BLANK						
454	D006	311,765	P	S01			TRUMW, TA-54, Pads 1, 2, and 4; A26
455	D007						
456	D008						
457	THIS LINE INTENTIONALLY LEFT BLANK						
458	D001	101,995	P	S01			TRUMW, TA-54, Pads 1, 2, and 4; A27
459	THIS LINE INTENTIONALLY LEFT BLANK						
460	D003	71,062	P	S01			TRUMW, TA-54, Pads 1, 2, and 4; A28
461	THIS LINE INTENTIONALLY LEFT BLANK						
462	D008	96,700	P	S01			TRUMW, TA-54, Pads 1, 2, and 4; A30
463	THIS LINE INTENTIONALLY LEFT BLANK						
464	D008	190,691	P	S01			TRUMW, TA-54, Pads 1, 2, and 4; A31
465	THIS LINE INTENTIONALLY LEFT BLANK						
466	D008	434,743	P	S01			TRUMW, TA-54, Pads 1, 2, and 4; A61
467	THIS LINE INTENTIONALLY LEFT BLANK						
468	D004	2,413,802	P	S01			TRUMW, TA-54, Pads 1, 2, and 4; A75
469	D007						
470	D008						

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)			D. Processes (2) Process Description (If a code is not entered in D(1))
471	D011						
472	F001						
473	F002						
474	F003						
475	F005						
476	THIS LINE INTENTIONALLY LEFT BLANK						
477	D007	313,787	P	S01			TRUMW, TA-54, Pads 1, 2, and 4; A76
478	F001						
479	F002						
480	F005						

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XIV. Description of Hazardous Wastes (Continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 6.

Line Number	Additional Process Codes (enter)																										
01	T	0	4																								
02	T	0	3	T	0	4																					
03	T	0	3	T	0	4																					
06	T	0	4																								
07	T	0	4																								
08	T	0	4																								
09	T	0	4																								
11	T	0	4																								
~~25~~	~~T~~	~~0~~	4																								
~~26~~	~~T~~	~~0~~	4																								
~~27~~	~~T~~	~~0~~	4																								
29	~~T~~	~~0~~	~~3~~	T	0	4																					
30	T	0	4																								
31	T	0	4																								
33	T	0	3	T	0	4																					
35	T	0	4																								
36	T	0	4																								
269 ~~128~~	T	0	4																								
270 ~~129~~	T	0	4																								
271 ~~130~~	T	0	4																								
273 ~~132~~	T	0	4																								

Note: Information on this page was presented on page 7 of 7 in Revision 1.0 of the Part A permit application, September 1993.

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0034 Expires 12-31-91
GSA No. 0246-EPA-OT

EPA I.D. Number (enter from page 1)	Secondary ID Number (enter from page 1)
N M 0 8 9 0 0 1 0 5 1 5	

XIV. Description of Hazardous Waste (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 6.

Line Number	Additional Process Codes (enter)

XV. Map

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

XVI. Facility Drawing

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

XVII. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

XVIII. Certification(s)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner Signature	Date Signed

Name and Official Title (type or print)
for EARL W. BEAN, ACTING AREA MANAGER, DOE LAAO

Operator Signature	Date Signed
	9/29/94

Name and Official Title (type or print)
for EARL W. BEAN, ACTING AREA MANAGER, DOE LAAO/DENNIS J. ERICKSON, DIV. DIRECTOR, ES&H DIV., LANL

XIX. Comments

* TA-54, Areas L and G have been counted as 2 units. Subunits within these areas have been described in Attachment 1 but not counted as individual units. Justification for units added since Revision 1.0 of the Part A permit application, September 1993, is provided in Table B, Summary of Increases in Design Capacity of Processes.

Note: Mail completed form to the appropriate EPA Regional or State Office. (refer to instructions for more information)

ATTACHMENT 1

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS

Line 1 S01 Container Storage

Description	Capacity (gal)	SWMU No.	Associated Structure No./Area
TA-3:			
Container storage area	2,000	TBD	TA-3-29, Room 9030 Wing 9, Basement
Container storage area	16,500	TBD	TA-3-29, Rooms 9010 and 9020 Wing 9, Basement
TA-16:			
Container storage area	275	16-012(a2)	TA-16-88
TA-21:			
Container storage area	5,500	TBD	TA-21-61
TA-50:			
Container storage area	220	50-007	TA-50-37-115
† Container storage area	3,630	50-007	TA-50-37-117
Container storage area	18,000	50-007	TA-50-37-118
Container storage area	1,485	50-003(a)	TA-50-1-60D
† Container storage area (storage shed)	990	50-003(d)	TA-50-114
Container storage area	30,000	TBD	TA-50-69 (outside)
Container storage area	1,500	50-008	TA-50-69 (inside)
(TA-50 Subtotal)	(55,825)		

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS (Continued)

Description	Capacity (gal)	SWMU No.	Associated Structure No./Area
TA-54, Area L			
Container storage pad/Storage Dome 215 (Area 1)	~~142,240~~ 100,000	54-001(a)	Area L, TA-54-215
Container storage area (Area 2)	21,120	TBD	Area L
Container storage area (Area 3)	14,080	TBD	Area L
Container storage area (Area 4)	11,000	TBD	Area L
Container storage area (Area 5)	42,240	TBD	Area L
Container storage area/gas cylinder storage area (Area 6)	23,760	54-002	Area L
Container storage area/gas cylinder storage area (Area 7)	1,950	TBD	Area L
Retrievable Storage Shaft No. 36	300	54-014(a)	Area L
Retrievable Storage Shaft No. 37	300	54-014(b)	Area L
Retrievable storage shaft (planned for construction)	300	TBD	Area L
(Area L Subtotal)	~~(257,290)~~ (215,050)		

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS (Continued)

Description	Capacity (gal)	SWMU No.	Associated Structure No./Area
TA-54, Area G			
Container storage area/Storage Shed 8 ~~(holding shed)~~	~~11,000~~ 13,000	54-015(a)	Area G, TA-54-8
Container storage area/Storage Sheds 1027, 1028, 1029, and 1041 ~~Ventilated Storage Sheds (4)~~	~~1,760 ea.~~ 2,750 ea.	TBD	Area G ~~(to be located on storage pad over Pit No. 33)~~; TA-54-1027, TA-54-1028, TA-54-1029, and TA-54-1041
Container storage area/~~Retrievable~~ Storage Pad No. 1	970,000	54-015(c)	Area G, TA-54-227
Container storage area/~~Retrievable~~ Storage Pad No. 2	430,045	54-015(d)	Area G
Container storage area/~~Retrievable~~ Storage Pad No. 4	970,000	54-015(f)	Area G, TA-54-228
Container storage area/Storage Domes A, B, C, and D planned for construction	790,000 ea.	TBD	Area G; TA-54-229, TA-54-230, TA-54-231, TA-54-232
Container storage area/Drum Prep Facility ~~Demo storage unit (Waste Preparation Facility)~~	33,000	TBD	Area G, TA-54-33
Container storage area/Storage Dome 48/ Storage Pad No. 3 ~~Demo storage unit (Pad No. 3)~~	300,000	54-015(e)	Area G, TA-54-48

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS (Continued)

Description	Capacity (gal)	SWMU No.	Associated Structure No./Area
Container storage area/Storage Dome 49 ~~Dome storage unit~~	~~180,000~~ 240,000	54-015(j)	Area G, TA-54-49
Container storage areas/Storage Domes 153 and 283/Storage Pad No. 6 ~~Dome storage unit/Storage pad over Pit No. 30~~	900,000	TBD	Area G, TA-54-153, TA-54-283
Container storage area/Storage Dome 224/ Storage Pad No. 8 ~~Dome storage unit/Storage Pad over Pit No. 33~~	300,000	TBD	Area G, ~~near TA-54-49~~ TA-54-224
Retrievable Storage Shaft No. 145	2,475	54-020	Area G
Retrievable Storage Shaft No. 146	2,475	54-020	Area G
(Area G Subtotal)	~~(7,266,035)~~ (7,331,995)		
TA-54, Nondestructive Assay/Nondestructive Examination (NDA/NDE) Facility:			
Container storage areas at the NDA/NDE Facility	7,260	54-015(h)	TA-54-38
TA-55:			
Container storage area for evaporator salt precipitate	50	55-004	TA-55-4-401
Container storage area for mixed waste monitoring	660	TBD	TA-55-4-401
Container storage area for sphere material removal	280	TBD	TA-55-4-401

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS (Continued)

Description	Capacity (gal)	SWMU No.	Associated Structure No./Area
Container storage area for glovebox process waste	2,200	TBD	TA-55-4-432
Container storage area for mixed waste monitoring	550	TBD	TA-55-4-433
Container storage in vault	1,100	TBD	TA-55-4, Basement
Container storage areas for TRU mixed waste (Areas 1, 2, and 3)	27,500	TBD	TA-55-4, Basement
Container storage area for oversized TRU mixed waste	3,400	TBD	TA-55-4, Basement
Container storage areas for low-level mixed waste	3,400	TBD	TA-55-4, Basement
Container storage area	3,025	TBD	TA-55-4, North end, Basement
Container storage pad	135,000	TBD	Near TA-55-4
Container storage area (vault)	100,000	TBD	TA-55-41
Container storage area for TRU mixed waste (Building 185)	15,000	TBD	TA-55-185
(TA-55 Subtotal)	~~(277,165)~~ (292,165)		
TOTAL S01	~~7,880,590~~ 7,926,570		

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS (Continued)

Line 2 S02 Tank Storage

Description	Capacity (gal)	SWMU No.	Associated Structure No./Area
TA-50:			
2 waste feed tanks for incinerator	310	50-007	TA-50-37-115
TA-55:			
13 waste storage tanks for evaporator bottoms solution	410	55-004, 55-001	TA-55-4
TA-63:			
6 treated liquid waste storage tanks	3,000 ea.	TBD	TA-63, HWTF
TOTAL S02	**18,720**		

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS (Continued)

Line 3 S04 Storage - Surface Impoundment

Description	Capacity (gal)	SWMU No.	Associated Structure No./Area
* Surface impoundment (South)	2,580,000	53-002(b)	TA-53-166
* Surface impoundment (Northwest)	1,629,144	53-002(a)	TA-53-166
* Surface impoundment (Northeast)	1,629,144	53-002(a)	TA-53-166
TOTAL S04	**5,838,288**		

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS (Continued)

Line 4 T01 Treatment - Tank

Description	Capacity (gal/day)	SWMU No.	Associated Structure No./Area
TA-63:			
Chemical plating waste treatment skid	400	TBD	TA-63, HWTF
TOTAL T01	**400**		

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS (Continued)

Line 5 T03 Treatment - Incinerator

Description	Capacity (BTU/hr)	SWMU No.	Associated Structure No./Area
TA-50:			
† Incinerator	1.5×10^6	50-007	TA-50-37
TOTAL T03	**1.5×10^6**		

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS (Continued)

Line 6 T04 Treatment - Waste Detonation

Description	Capacity (pounds of waste for detonation)	SWMU No.	Associated Structure No./Area
TA-15:			
† Waste detonation site (PHERMEX Facility)	500	15-003	TA-15-184
TA-36:			
† Waste detonation site (Minie Site)	500	36-004(c)	TA-36-8
TOTAL T04	**1000**		

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS (Continued)

Line 7 T04 Treatment - Solidification

Description	Capacity (gal/day)	SWMU No.	Associated Structure No./Area
TA-50:			
Cementing process	660	50-001(a)	TA-50-1-60A
TA-55:			
Cementing process	110	55-001	TA-55-4
TOTAL T04	**770**		

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS (Continued)

Line 8 T04 Treatment - Other

Description	Capacity (pounds/hr)	SWMU No.	Associated Structure No./Area
TA-55:			
* Oxygen sparging furnace for pyrophoric salt	0.26	TBD	TA-55-4
TOTAL T04	**0.26**		

Explanation of Symbols/Abbreviations

* Unit to be closed under interim status.
† Unit is included in the RCRA Hazardous Waste Facility Permit. Inclusion in this Part A Application indicates mixed waste treatment or storage at the unit as well.
TBD = To be determined.

Table 1

RCRA Part A Permit Application
Low-Level Mixed Waste Summary
(Page 1 of 9)

EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
D001	S01	TA-16-88
	S01	TA-21-61
	S01	TA-50-37
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-54 Area L
	S01	TA-55-4
	S02	TA-50-37
	T03	TA-50-37
	T04	TA-15-184
	T04	TA-36-8
D002	S01	TA-21-61
	S01	TA-50-37
	S01	TA-54 Area L
	S01	TA-55-4
	S02	TA-50-37
	S02	TA-63
	T01	TA-63
	T03	TA-50-37
	T04	TA-50-1
D003	S01	TA-16-88
	S01	TA-21-61
	S01	TA-50-37
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-54 Area L
	S01	TA-55-4
	S02	TA-63
	T01	TA-63
	T03	TA-50-37
	T04	TA-15-184
	T04	TA-36-8
	T04	TA-50-1
D004	S01	TA-21-61
	S01	TA-54 Area G

Table 1
RCRA Part A Permit Application
Low-Level Mixed Waste Summary
(Page 2 of 9)

EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
D004 (cont.)	S01	TA-54-38
	S01	TA-54 Area L
	T04	TA-50-1
D005	S01	TA-16-88
	S01	TA-21-61
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-54 Area L
	T04	TA-15-184
	T04	TA-36-8
	~~S01~~	~~TA-21-61~~
	~~S01~~	~~TA-54 Area L~~
D006	S01	TA-21-61
	S01	TA-50-1
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-54 Area L
	S02	TA-63
	T01	TA-63
	T04	TA-50-1
D007	S01	TA-21-61
	S01	TA-50-1
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-54 Area L
	S02	TA-63
	T01	TA-63
	T04	TA-50-1
D008	S01	TA-3-29
	S01	TA-16-88
	S01	TA-21-61
	S01	TA-50-1
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-54 Area L

Table 1
RCRA Part A Permit Application
Low-Level Mixed Waste Summary
(Page 3 of 9)

EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
D008 (cont.)	S01	TA-55-4
	S02	TA-63
	T01	TA-63
	T04	TA-15-184
	T04	TA-36-8
	T04	TA-50-1
D009	S01	TA-16-88
	S01	TA-21-61
	S01	TA-50-37
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-54 Area L
	S01	TA-55-4
	S02	TA-50-37
	T03	TA-50-37
	T04	TA-50-1
D010	S01	TA-21-61
	S01	TA-54 Area L
D011	S01	TA-21-61
	S01	TA-50-1
	S01	TA-54 Area L
	S02	TA-63
	T01	TA-63
	T04	TA-50-1
D018	S01	TA-21-61
	S01	TA-54 Area L
D019	S01	TA-21-61
	S01	TA-54 Area L
D021	S01	TA-21-61
	S01	TA-594 Area L
D022	S01	TA-21-61
	S01	TA-54 Area L
D027	S01	TA-21-61
	S01	TA-54 Area L

Table 1
RCRA Part A Permit Application
Low-Level Mixed Waste Summary
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EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
D028	S01	TA-21-61
	S01	TA-54 Area L
D030	S01	TA-21-61
	S01	TA-54 Area L
D032	S01	TA-21-61
	S01	TA-54, Area L
D033	S01	TA-21-61
	S01	TA-54, Area L
D034	S01	TA-21-61
	S01	TA-54 Area L
D035	S01	TA-21-61
	S01	TA-54 Area L
D036	S01	TA-21-61
	S01	TA-54 Area L
D038	S01	TA-21-61
	S01	TA-54 Area L
D039	S01	TA-21-61
	S01	TA-54 Area L
D040	S01	TA-21-61
	S01	TA-54 Area L
D042	S01	TA-21-61
	S01	TA-54, Area L
D043	S01	TA-21-61
	S01	TA-54, Area L
F001	S01	TA-21-61
	S01	TA-50-37
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-54 Area L
	S01	TA-55-4
	S02	TA-50-37
	T03	TA-50-37
	T04	TA-50-1

Table 1
RCRA Part A Permit Application
Low-Level Mixed Waste Summary
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EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
F002	S01	TA-21-61
	S01	TA-50-37
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-54 Area L
	S01	TA-55-4
	S02	TA-50-37
	T03	TA-50-37
	T04	TA-50-1
F003	S01	TA-21-61
	S01	TA-50-37
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-54 Area L
	S01	TA-55-4
	S02	TA-50-37
	T03	TA-50-37
	T04	TA-50-1
F004	S01	TA-54 Area L
F005	S01	TA-21-61
	S01	TA-50-37
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-54 Area L
	S01	TA-55-4
	S02	TA-50-37
	S04	TA-53
	T03	TA-50-37
	T04	TA-50-1
F006	S01	TA-54 Area L
F007	S01	TA-21-61
	S01	TA-50-1
	S01	TA-54 Area L
	S02	TA-63
	T01	TA-63

Table 1
RCRA Part A Permit Application
Low-Level Mixed Waste Summary
(Page 6 of 9)

EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
F007 (cont.)	T04	TA-50-1
F008	S01	TA-21-61
	S01	TA-50-1
	S01	TA-54 Area L
	S02	TA-63
	T01	TA-63
	T04	TA-50-1
F019	S01	TA-54 Area L
P003	S01	TA-54 Area L
P012	S01	TA-54 Area L
P015	S01	TA-21-61
	S01	TA-54 Area L
P029	S01	TA-21-61
	S01	TA-54 Area L
P030	S01	TA-54 Area L
P031	S01	TA-54 Area L
P038	S01	TA-21-61
	S01	TA-54 Area L
P056	S01	TA-54 Area L
P063	S01	TA-54 Area L
P068	S01	TA-54 Area L
P073	S01	TA-54 Area L
P076	S01	TA-54 Area L
P078	S01	TA-54 Area L
P095	S01	TA-54 Area L
P096	S01	TA-54 Area L
P098	S01	TA-54 Area L
P106	S01	TA-54 Area L
P113	S01	TA-54 Area L
P120	S01	TA-54 Area L
U001	S01	TA-21-61
	S01	TA-54 Area L

Table 1
RCRA Part A Permit Application
Low-Level Mixed Waste Summary
(Page 7 of 9)

EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
U002	S01	TA-21-61
	S01	TA-54 Area L
U003	S01	TA-54 Area L
U012	S01	TA-54 Area L
U019	S01	TA-21-61
	S01	TA-54 Area L
U022	S01	TA-54 Area L
U029	S01	TA-54 Area L
U031	S01	TA-21-61
	S01	TA-54 Area L
U037	S01	TA-21-61
	S01	TA-54 Area L
U044	S01	TA-21-61
	S01	TA-54 Area L
U045	S01	TA-21-61
	S01	TA-54 Area L
U052	S01	TA-54 Area L
U056	S01	TA-54 Area L
U057	S01	TA-54 Area L
U075	S01	TA-21-61
	S01	TA-54 Area L
U077	S01	TA-21-61
	S01	TA-54 Area L
U080	S01	TA-21-61
	S01	TA-54 Area L
U108	S01	TA-54 Area L
U112	S01	TA-54 Area L
U115	S01	TA-54 Area L
U117	S01	TA-54 Area L
U121	S01	TA-21-61
	S01	TA-54 Area L
U122	S01	TA-21-61

Table 1
RCRA Part A Permit Application
Low-Level Mixed Waste Summary
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EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
U122 (cont.)	S01	TA-54 Area L
U123	S01	TA-21-61
	S01	TA-54 Area L
U131	S01	TA-54 Area L
U133	S01	TA-21-61
	S01	TA-54 Area L
U134	S01	TA-54 Area L
U135	S01	TA-54 Area L
U140	S01	TA-21-61
	S01	TA-54 Area L
U144	S01	TA-54 Area L
U151	S01	TA-21-61
	S01	TA-54 Area L
U154	S01	TA-21-61
	S01	TA-54 Area L
U159	S01	TA-21-61
	S01	TA-54 Area L
U160	S01	TA-54 Area L
U161	S01	TA-21-61
	S01	TA-54 Area L
U165	S01	TA-54 Area L
U169	S01	TA-21-61
	S01	TA-54 Area L
U188	S01	TA-21-61
	S01	TA-54 Area L
U190	S01	TA-54 Area L
U196	S01	TA-21-61
	S01	TA-54 Area L
U204	S01	TA-54 Area L
U210	S01	TA-21-61
	S01	TA-54 Area L
U211	S01	TA-21-61
	S01	TA-54 Area L

Table 1
RCRA Part A Permit Application
Low-Level Mixed Waste Summary
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EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
U213	S01	TA-21-61
	S01	TA-54 Area L
U216	S01	TA-54 Area L
U218	S01	TA-54 Area L
U219	S01	TA-54 Area L
U220	S01	TA-21-61
	S01	TA-54 Area L
U225	S01	TA-54 Area L
U226	S01	TA-21-61
	S01	TA-54 Area L
U227	S01	TA-21-61
	S01	TA-54 Area L
U228	S01	TA-21-61
	S01	TA-54 Area L
U239	S01	TA-54 Area L
U246	S01	TA-54 Area L

Table 2

RCRA Part A Permit Application
TRU Mixed Waste Summary
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EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
D001	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
	T04	TA-55-4
D002	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
	S02	TA-55-4
	T04	TA-55-4
D003	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
	T04	TA-55-4
D004	S01	TA-3-29
	S01	TA-50-1
	S01	TA-50-114
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
	S02	TA-55-4
	T04	TA-50-1
	T04	TA-55-4
D005	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
	T04	TA-55-4
D006	S01	TA-3-29
	S01	TA-50-1
	S01	TA-50-114
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
	S02	TA-55-4
	T04	TA-50-1

Table 2
RCRA Part A Permit Application
TRU Mixed Waste Summary
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EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
D006 (cont.)	T04	TA-55-4
D007	S01	TA-3-29
	S01	TA-50-1
	S01	TA-50-114
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
	S02	TA-55-4
	T04	TA-50-1
	T04	TA-55-4
D008	S01	TA-3-29
	S01	TA-50-1
	S01	TA-50-69
	S01	TA-50-114
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
	S02	TA-55-4
	T04	TA-55-4
D009	S01	TA-3-29
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
	T04	TA-55-4
D010	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D011	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D018	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D019	S01	TA-54 Area G
	S01	TA-54-38

Table 2
RCRA Part A Permit Application
TRU Mixed Waste Summary
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EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
D019 (cont.)	S01	TA-55-4
D021	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D022	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D027	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D028	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D030	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D032	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D033	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D034	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D035	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D036	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D038	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4

Table 2
RCRA Part A Permit Application
TRU Mixed Waste Summary
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EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
D039	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D040	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D042	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
D043	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
F001	S01	TA-50-37
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
	S02	TA-50-37
	T03	TA-50-37
	T04	TA-55-4
F002	S01	TA-3-29
	S01	TA-50-1
	S01	TA-50-37
	S01	TA-50-114
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
	S02	TA-50-37
	S02	TA-55-4
	T03	TA-50-37
	T04	TA-50-1
	T04	TA-55-4
F003	S01	TA-3-29
	S01	TA-50-1
	S01	TA-50-37
	S01	TA-50-114

Table 2
RCRA Part A Permit Application
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EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
F003 (cont.)	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
	S02	TA-50-37
	S02	TA-55-4
	T03	TA-50-37
	T04	TA-50-1
	T04	TA-55-4
F004	S01	TA-54 Area G
	S01	TA-54-38
F005	S01	TA-3-29
	S01	TA-50-1
	S01	TA-50-37
	S01	TA-50-114
	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
	S02	TA-50-37
	S02	TA-55-4
	T03	TA-50-37
	T04	TA-50-1
	T04	TA-55-4
P003	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P012	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P015	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P029	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P030	S01	TA-54 Area G

Table 2
RCRA Part A Permit Application
TRU Mixed Waste Summary
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EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
P030 (cont.)	S01	TA-54-38
	S01	TA-55-4
P031	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P038	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P056	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P063	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P068	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P073	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P076	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P078	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P095	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P096	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P098	S01	TA-54 Area G
	S01	TA-54-38

Table 2
RCRA Part A Permit Application
TRU Mixed Waste Summary
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EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
P098 (cont.)	S01	TA-55-4
P106	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P113	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
P120	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U001	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U002	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U003	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U012	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U019	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U022	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U029	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U031	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4

Table 2
RCRA Part A Permit Application
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EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
U037	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U044	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U045	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U052	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U056	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U057	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U075	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U077	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U080	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U108	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U112	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U115	S01	TA-54 Area G

Table 2
RCRA Part A Permit Application
TRU Mixed Waste Summary
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EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
U115 (cont.)	S01	TA-54-38
	S01	TA-55-4
U117	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U121	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U122	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U123	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U131	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U133	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U134	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U135	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U140	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U144	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U151	S01	TA-54 Area G
	S01	TA-54-38

Table 2
RCRA Part A Permit Application
TRU Mixed Waste Summary
(Page 10 of 12)

EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
U151 (cont.)	S01	TA-55-4
U154	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U159	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U160	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U161	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U165	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U169	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U188	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U190	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U196	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U204	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U210	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4

Table 2
RCRA Part A Permit Application
TRU Mixed Waste Summary
(Page 11 of 12)

EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
U211	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U213	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U216	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U218	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U219	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U220	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U225	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U226	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U227	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U228	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U239	S01	TA-54 Area G
	S01	TA-54-38
	S01	TA-55-4
U246	S01	TA-54 Area G

Table 2
RCRA Part A Permit Application
TRU Mixed Waste Summary
(Page 12 of 12)

EPA Hazardous Waste Number	Process Code	Location of Unit(s) Managing Waste
U246 (cont.)	S01	TA-54-38
	S01	TA-55-4

LIST OF TOPOGRAPHIC MAPS

MAP NO.	MAP TITLE
Map 1	Contour Map Showing Mixed Waste Units at TA-3, TA-55, TA-50
Map 2	Contour Map Showing Mixed Waste Units at TA-15 and TA-36
Map 3	Contour Map Showing Mixed Waste Units at TA-16
Map 4	Contour Map Showing Mixed Waste Units at TA-21
Map 5	Contour Map Showing Mixed Waste Units at TA-53
Map 6	Contour Map Showing Mixed Waste Units at TA-54, Areas G and L
Map 7	Location ~~Contour~~ Map ~~Showing Location~~ of ~~the~~ Proposed HWTF ~~at TA-63~~
Map 8	Contour Map Showing All Technical Areas (TAs) at Los Alamos National Laboratory (LANL) ~~Boundaries~~
Map 9	Location Map ~~Showing~~ of Technical Area 57 ~~TA-57~~, Fenton Hill Geothermal Site
Map 10	Location Map of Water Supply Wells, Monitoring Wells, Test Wells, Springs, and Surface Water Sampling Stations
Map 11	~~Location of NPDES Outfalls at~~ Los Alamos National Laboratory NPDES Outfall Locations
Map 12	Contour Map Showing Non-Destructive Assay/Non-Destructive Examination (NDA/NDE) Facility, TA-54-38

The following topographic maps showing the locations of all the hazardous waste units were provided in the RCRA Part B Permit Application, Revision 4.1, November 1988 (Section 1.0). These maps are included here to meet Part A requirements in 20 NMAC 4.1, Subpart ~~HWMR-7, Part IX,~~ 270.13(l).

Figure 2	Contour Map Showing the Location of the TA-54, Area L Treatment Tanks, Surface Impoundments, Waste Packaging, and Storage Pad, Shafts, and TA-54, Area G
Figure 8	Contour Map Showing the Locations of the Batch Treatment System* and Container Storage Area and the Waste Incinerator
Figure 15	Contour Map Showing the Location of ~~the~~ TA-16 Open Burning Unit and TA-16-1150 Incinerator
Figure 20	Contour Map Showing the Locations of the TA-14 Firing Point and Burn Cage and the TA-40 Scrap Detonation Site*

Figure 21 Contour Map Showing the Locations of the TA-15 and TA-36 Firing Points

Figure 22 Contour Map Showing the Locations of the TA-39 Firing Points

Figure 23 Contour Map Showing the Locations of the TA-35-125 and TA-35-85 Surface Impoundments*

*Units which are undergoing RCRA closure.

Summary of Revisions to Maps from Revision 1.0 of the Part A Permit Application, September 1993

Location	Revision
Map 1	Building 185 (TA-55-185) was added along with associated label.
Map 6	Replacement map to correct and improve the quality of the map in Revision 1.0 of the Part A permit application, including revisions to unit labels, pad and dome locations, and structure numbers.
Map 8	Replacement map to correct and improve the quality of the map in Revision 1.0 of the Part A permit application, including the addition of labels and shading of residential areas.
Map 9	An updated reference is cited.
Map 10	Revisions include addition of labels and shading to residential areas.
Figure 21	Replacement figure to improve the quality of the figure in Revision 1.0 of the Part A permit application.
Figure 22	Replacement figure to improve the quality of the figure in Revision 1.0 of the Part A permit application.

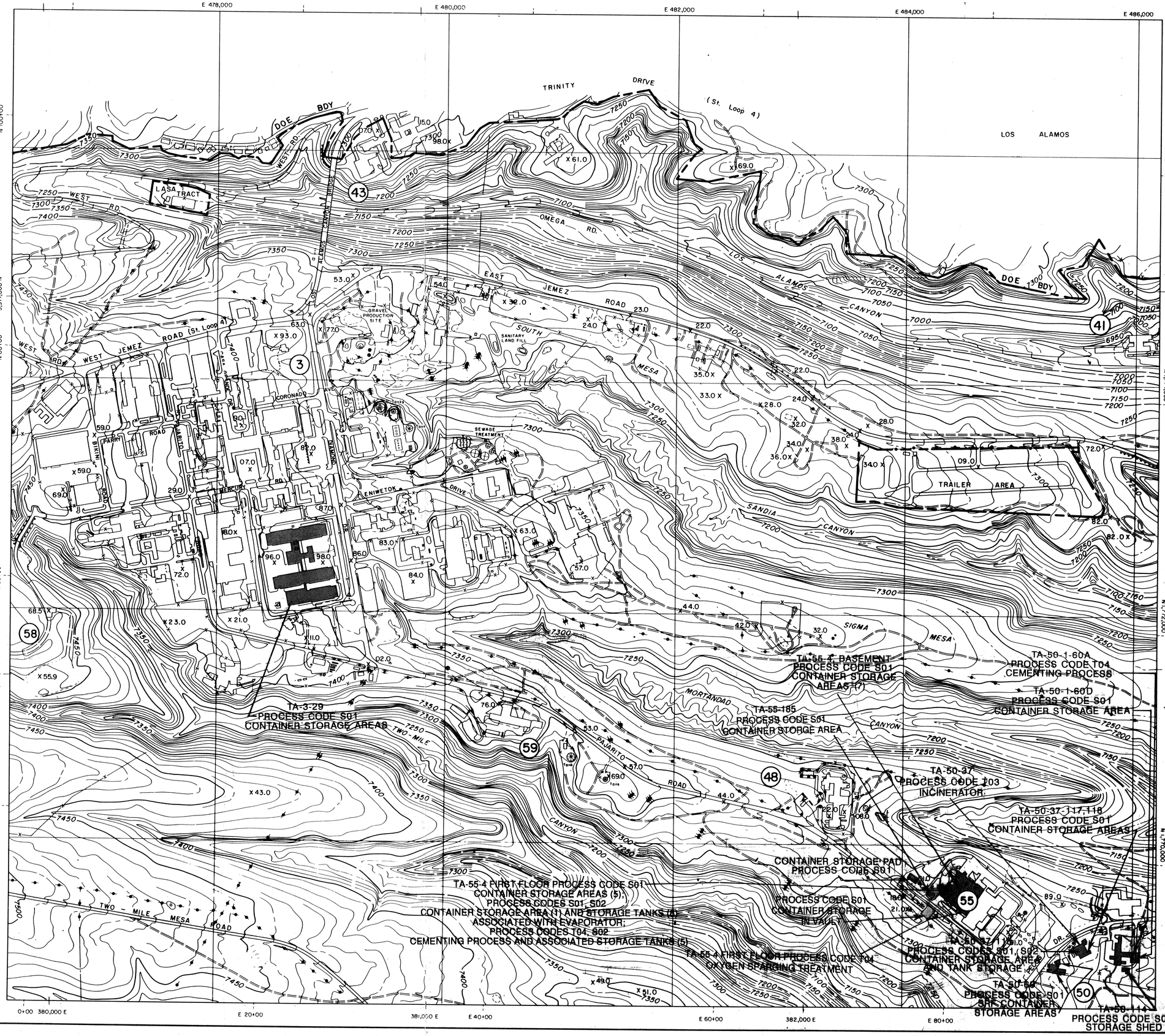
ATTACHMENT 2

TOPOGRAPHIC MAPS

Note to Reviewers

Shading indicates information that has either been revised from or added to Revision 1.0 of the Part A permit application, September 1993. Strikeout indicates a deletion from Revision 1.0 of the Part A permit application, September 1993. Strikeout is not included on pages 1 of 7 through 5 of 7 and 7 of 7 of the standard Part A form due to lack of space. However, shading of changes and additions are shown on those pages.

MIXED WASTE UNIT TOPOGRAPHIC MAPS

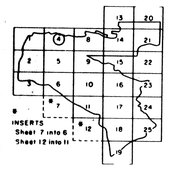


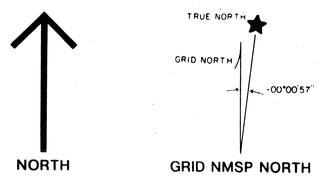
LEGEND

X 93.0	SPOT ELEVATION	N 1,768,000	NMSP GRID
—6900—	INDEX CONTOUR	3,989,000 N	UTM GRID
	INTERMEDIATE CONTOUR 10ft.	N 240+00	LASL GRID
	SUPPLEMENTARY CONTOUR 5ft.		
	CONTOURS THROUGH HEAVY VEGETATION		
	COUNTY LINES – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES.		
	DOE BOUNDARY – X & Y COORDINATE DATA PROVIDED BY LASL.		
	DOE BOUNDARY – SURVEY DESCRIPTIONS OR RECORD PLATS PROVIDED BY LASL.		
	DOE BOUNDARY – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES BASED ON PROJECTED COUNTY LINES.		

35	TECHNICAL AREA NO.		TOWER
	BUILDING		PIPE LINE
	FENCE		CUT LINE OR POWER LINE CLEARANCE SCAR
	PAVED ROAD		WATER TOWER
	DIRT ROAD	Tank	TANK
	JEEP TRAIL		POND
	CULVERT	RW	RETAINING WALL
	GUARD RAIL		EARTH DIKES OR BLASTING SHIELDS
	TUNNEL	Earth Work	EARTH WORK OR GRADED AREAS
	EARTHEN BUNKERS		GATE
	POWER POLE		

SHEET LAYOUT





MAPPING COMPLETED BY PHOTOGRAMMETRIC METHODS, UTILIZING 1:30,000, 1:12,000 & 1:13,200 PHOTOGRAPHY, OBTAINED IN NOV. 1976 & JUNE 1980 WITH ZEISS RMK A 15/23 CAMERAS OF 153.42 & 152.43mm C.F.L. RESPECTIVELY, MAPPING BASED ON CONTROL SURVEYS TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE). MAPPING COMPLETED IN ACCORDANCE WITH NATIONAL MAP ACCURACY SPECIFICATIONS.

400 200 0 400 800 1200 1600 FEET
100 50 0 100 200 300 400 500 METER

GRAPHIC SCALE: 1 in.=400 ft. CONTOUR INTERVAL 10 ft.

TECHNICAL AREAS

- (3) SM–SITE
- (41) W–SITE
- (50) WM–SITE
- (43) HRL–SITE
- (48) RC–SITE
- (58) TWO MILE NORTH–SITE
- (55) PLUTONIUM FACILITY SITE
- (59) OH–SITE

15397-A

LOS ALAMOS SCIENTIFIC LABORATORY

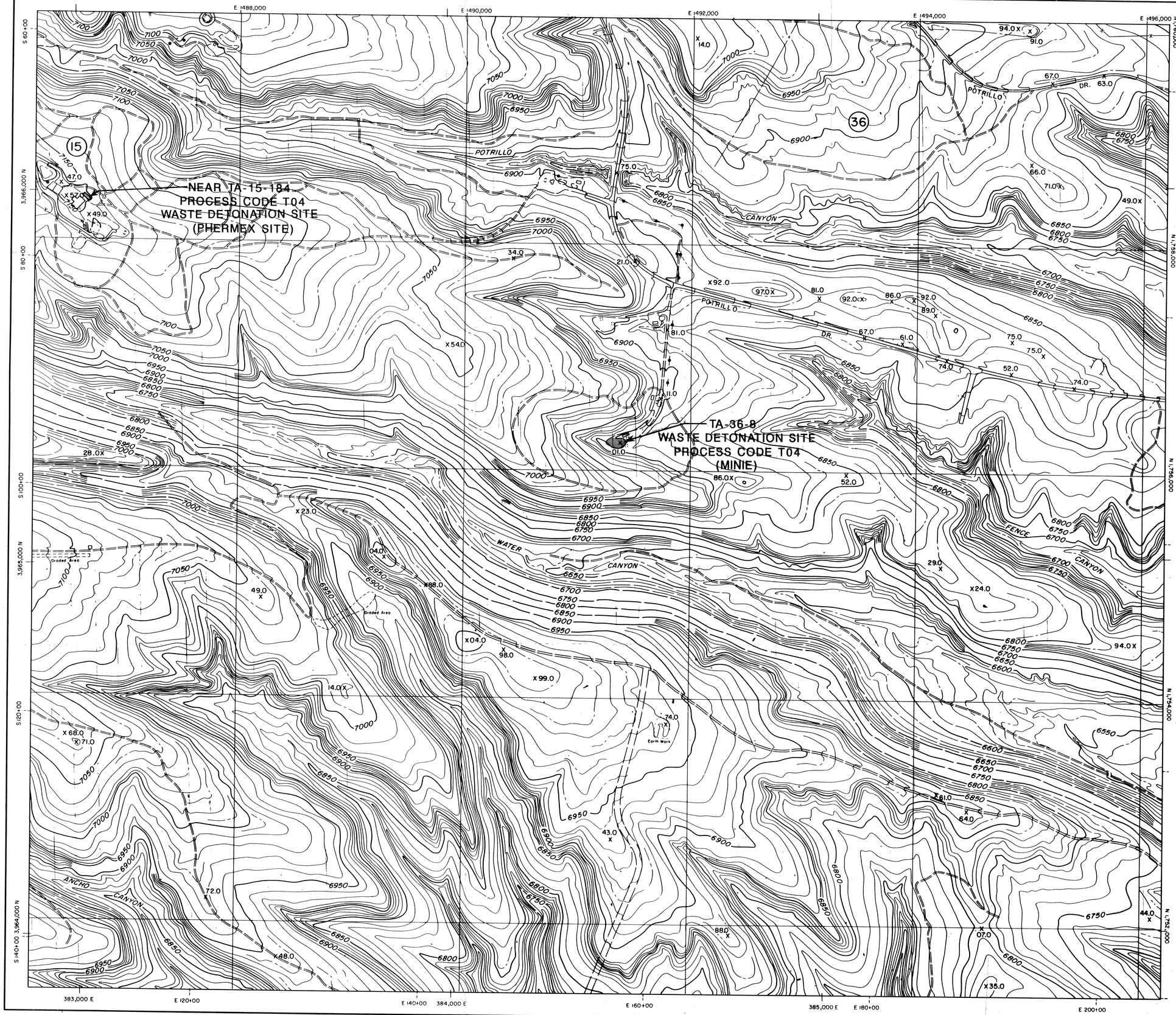
MAP 1
CONTOUR MAP SHOWING
MIXED WASTE UNITS
AT TA-3, TA-55, TA-50

LAB JOB NO. 5682

1"=400' SCALE

PLAN / TOPO

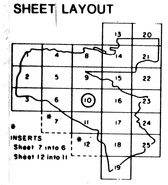
SHEET 4 OF 25



LEGEND

X 93.0	SPOT ELEVATION
6900	INDEX CONTOUR
	INTERMEDIATE CONTOUR 10ft.
	SUPPLEMENTARY CONTOUR 5ft.
	CONTOURS THROUGH HEAVY VEGETATION
	COUNTY LINES – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES.
	DOE BOUNDARY – X & Y COORDINATE DATA PROVIDED BY LASL.
	DOE BOUNDARY – SURVEY DESCRIPTIONS OR RECORD PLATS PROVIDED BY LASL.
	DOE BOUNDARY – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES BASED ON PROJECTED COUNTY LINES.
N 1,768,000	NMSP GRID
3,989,000 N	UTM GRID
N 240+00	LASL GRID
(35)	TECHNICAL AREA NO.
	BUILDING
	FENCE
	PAVED ROAD
	DIRT ROAD
	JEEP TRAIL
	CULVERT
	GUARD RAIL
	TUNNEL
	EARTHEN BUNKERS
	POWER POLE
	TOWER
	PIPE LINE
	CUT LINE OR POWER LINE CLEARANCE SCAR
	WATER TOWER
Tank	TANK
	POND
RW	RETAINING WALL
	EARTH DIKES OR BLASTING SHIELDS
Earth Work	EARTH WORK OR GRADED AREAS
	GATE

SHEET LAYOUT



NORTH

TRUE NORTH
GRID NORTH
-00°00'57
GRID NMSP NORTH

MAPPING COMPLETED BY PHOTOGRAMMETRIC METHODS, UTILIZING 1:30,000, 1:12,000 & 1:13,200 PHOTOGRAPHY, OBTAINED IN NOV. 1976 & JUNE 1980 WITH ZEISS RMK A 15/23 CAMERAS OF 153.42 & 152.43mm C.F.L. RESPECTIVELY, MAPPING BASED ON CONTROL SURVEYS TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE). MAPPING COMPLETED IN ACCORDANCE WITH NATIONAL MAP ACCURACY SPECIFICATIONS.

400 200 0 400 800 1200 1600 FEET
100 50 0 100 200 300 400 500 METER

GRAPHIC SCALE: 1 in.=400 ft.

CONTOUR INTERVAL 10 ft.

TECHNICAL AREAS

(36) KAPPA SITE

(15) R-SITE

15397-R

LOS ALAMOS SCIENTIFIC LABORATORY

MAP 2
CONTOUR MAP SHOWING
MIXED WASTE UNITS
AT TA-15 AND TA-36

LAB JOB NO. 5682

1"=400' SCALE

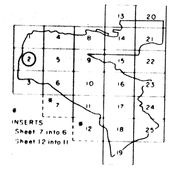
PLAN / TOPO

SHEET 10 OF 25

LEGEND

X 93.0	SPOT ELEVATION
6900	INDEX CONTOUR
	INTERMEDIATE CONTOUR 10ft.
	SUPPLEMENTARY CONTOUR 5ft.
	CONTOURS THROUGH HEAVY VEGETATION
	COUNTY LINES – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES.
	DOE BOUNDARY – X & Y COORDINATE DATA PROVIDED BY LASL.
	DOE BOUNDARY – SURVEY DESCRIPTIONS OR RECORD PLATS PROVIDED BY LASL.
	DOE BOUNDARY – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES BASED ON PROJECTED COUNTY LINES.
N 1,768,000	NMSP GRID
3,989,000 N	UTM GRID
N 240-00	LASL GRID
35	TECHNICAL AREA NO.
	BUILDING
	FENCE
	PAVED ROAD
	DIRT ROAD
	JEEP TRAIL
	CULVERT
	GUARD RAIL
	TUNNEL
	EARTHEN BUNKERS
	POWER POLE
	TOWER
	PIPE LINE
	CUT LINE OR POWER LINE CLEARANCE SCAR
	WATER TOWER
Tank	TANK
	POND
RW	RETAINING WALL
	EARTH DIKES OR BLASTING SHIELDS
Earth Work	EARTH WORK OR GRADED AREAS
	GATE

SHEET LAYOUT



NORTH

TRUE NORTH
GRID NORTH
00°00'57"
GRID NMSP NORTH

MAPPING COMPLETED BY PHOTOGRAMMETRIC METHODS, UTILIZING 1:30,000, 1:12,000 & 1:13,200 PHOTOGRAPHY, OBTAINED IN NOV. 1976 & JUNE 1980 WITH ZEISS RMK A 15/23 CAMERAS OF 153.42 & 152.43mm C.F.L. RESPECTIVELY, MAPPING BASED ON CONTROL SURVEYS TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE). MAPPING COMPLETED IN ACCORDANCE WITH NATIONAL MAP ACCURACY SPECIFICATIONS.

400 200 0 400 800 1200 1600 FEET
100 50 0 100 200 300 400 500 METER

GRAPHIC SCALE: 1 in.=400 ft.

CONTOUR INTERVAL 10 ft.

TECHNICAL AREAS

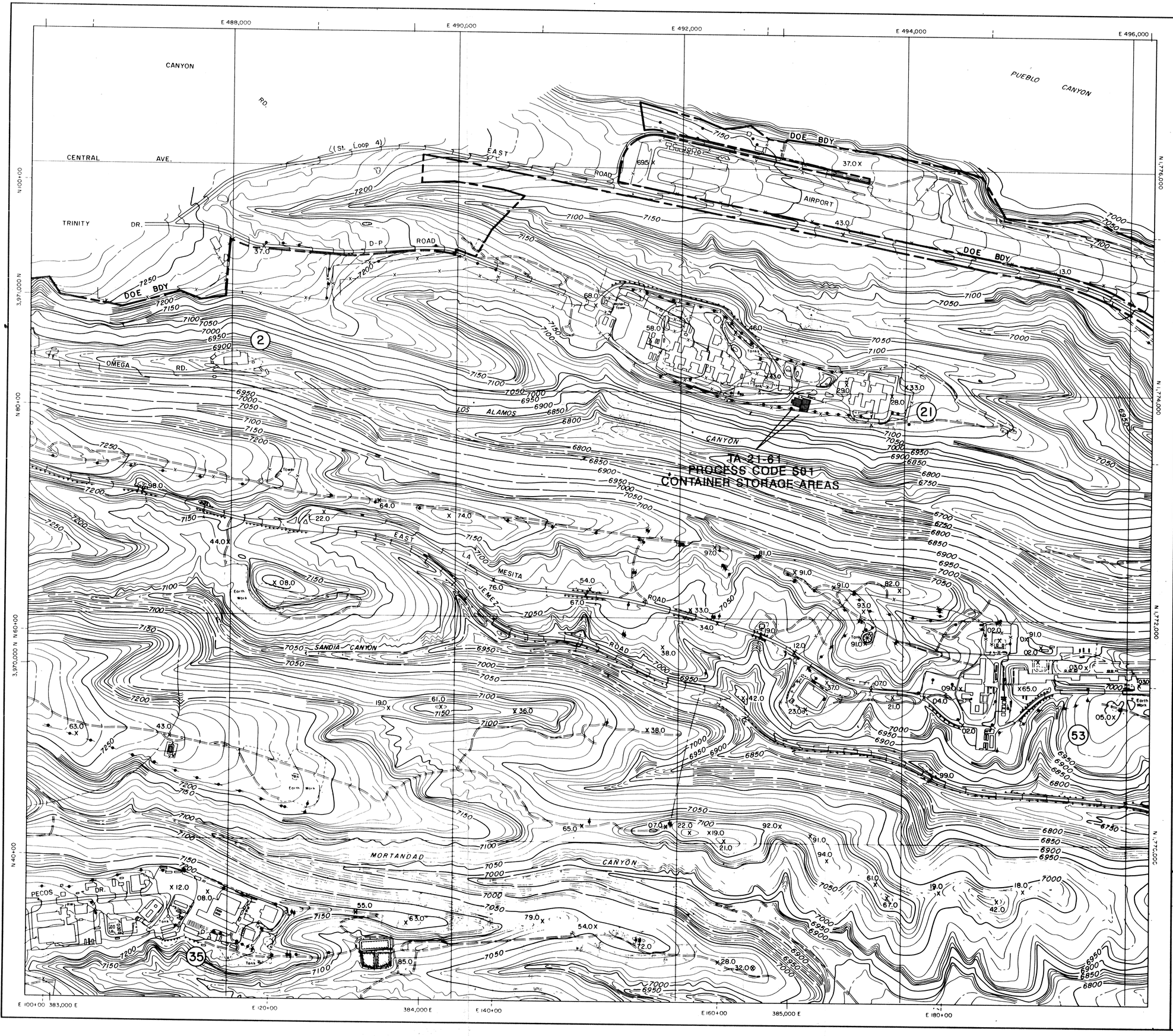
(8) ANCHOR WEST SITE (9) ANCHOR EAST SITE (16) S-SITE
(22) TD-SITE

15397-B

LOS ALAMOS SCIENTIFIC LABORATORY

MAP 3
CONTOUR MAP
SHOWING MIXED WASTE
UNITS AT TA-16

LAB JOB NO. 5682
1"=400' SCALE
PLAN / TOPO
SHEET 2 OF 25

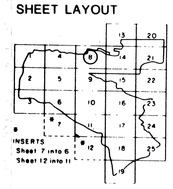


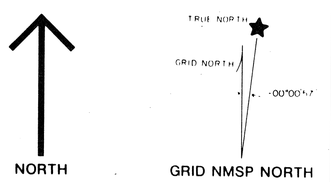
LEGEND

X 93.0	SPOT ELEVATION	N 768,000	NMSP GRID
6900	INDEX CONTOUR	3,989,000 N	UTM GRID
	INTERMEDIATE CONTOUR 10ft.	N 240+00	LASL GRID
	SUPPLEMENTARY CONTOUR 5ft.		
	CONTOURS THROUGH HEAVY VEGETATION		
	COUNTY LINES – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES.		
	DOE BOUNDARY – X & Y COORDINATE DATA PROVIDED BY LASL.		
	DOE BOUNDARY – SURVEY DESCRIPTIONS OR RECORD PLATS PROVIDED BY LASL.		
	DOE BOUNDARY – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES BASED ON PROJECTED COUNTY LINES.		

35	TECHNICAL AREA NO.		TOWER
	BUILDING		PIPE LINE
	FENCE		CUT LINE OR POWER LINE CLEARANCE SCAR
	PAVED ROAD		WATER TOWER
	DIRT ROAD	Tank	TANK
	JEEP TRAIL		POND
	CULVERT	RW	RETAINING WALL
	GUARD RAIL		EARTH DIKES OR BLASTING SHIELDS
	TUNNEL	Earth Work	EARTH WORK OR GRADED AREAS
	EARTHEN BUNKERS		GATE
	POWER POLE		

SHEET LAYOUT





MAPPING COMPLETED BY PHOTOGRAMMETRIC METHODS, UTILIZING 1:30,000, 1:12,000 & 1:13,200 PHOTOGRAPHY, OBTAINED IN NOV. 1976 & JUNE 1980 WITH ZEISS RMK A 15/23 CAMERAS OF 153.42 & 152.43mm C.F.L. RESPECTIVELY, MAPPING BASED ON CONTROL SURVEYS TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE). MAPPING COMPLETED IN ACCORDANCE WITH NATIONAL MAP ACCURACY SPECIFICATIONS.

400 200 0 400 800 1200 1600 FEET
100 50 0 100 200 300 400 500 METER

GRAPHIC SCALE: 1 in.=400 ft.

CONTOUR INTERVAL 10 ft.

TECHNICAL AREAS

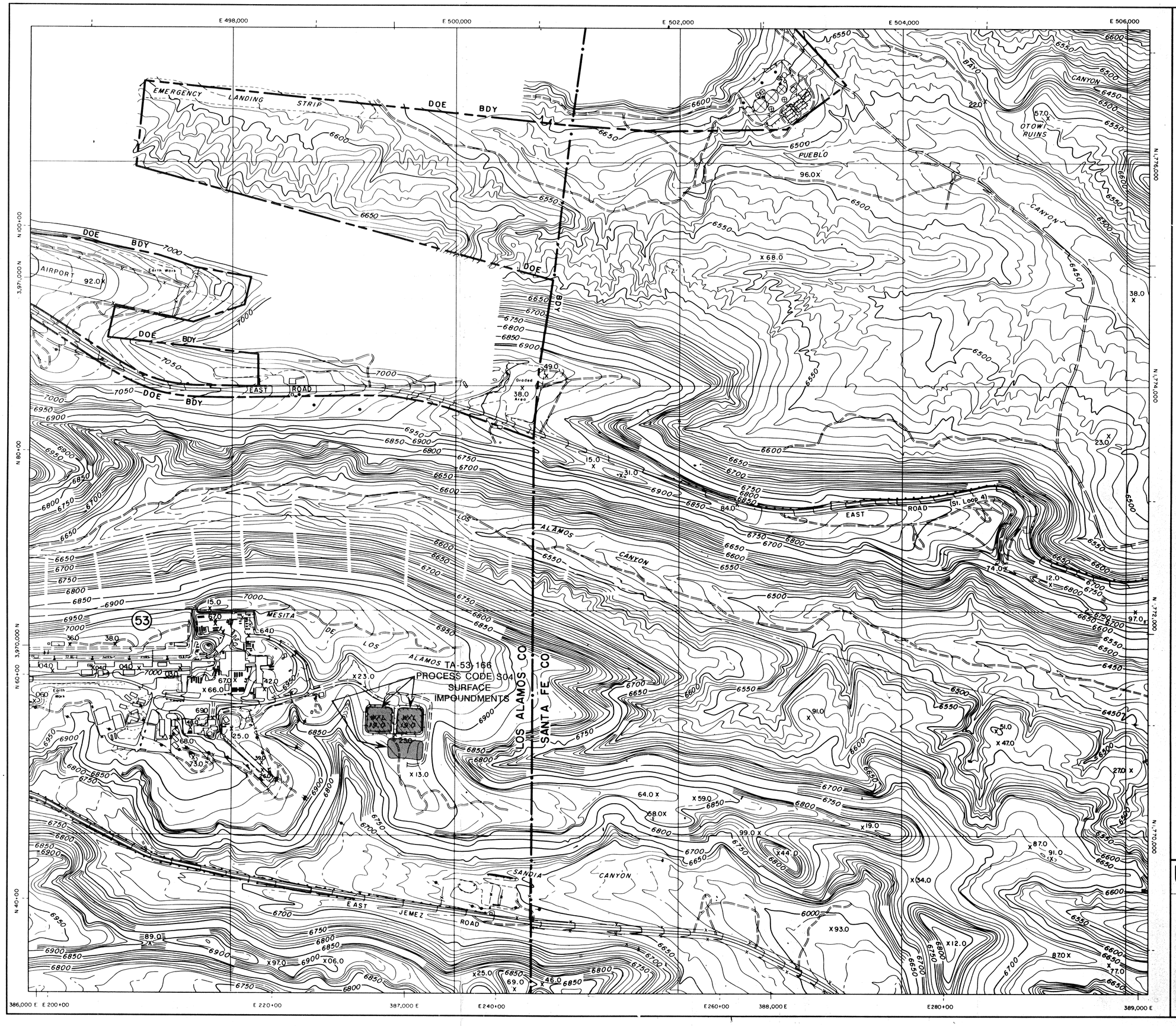
2 OMEGA SITE
21 DP–SITE
39 TEN SITE
53 MPF–SITE

15397-C

LOS ALAMOS SCIENTIFIC LABORATORY

MAP 4
CONTOUR MAP SHOWING
MIXED WASTE UNITS AT
TA-21

LAB JOB NO. 5682
1"=400' SCALE
PLAN / TOPO
SHEET 8 OF 25

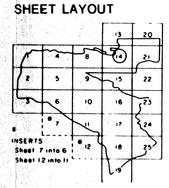


LEGEND

x 93.0	SPOT ELEVATION	N 1,768,000	NMSP GRID
6900	INDEX CONTOUR	3,989,000 N	UTM GRID
	INTERMEDIATE CONTOUR 10ft.	N 240+00	LASL GRID
	SUPPLEMENTARY CONTOUR 5ft.		
	CONTOURS THROUGH HEAVY VEGETATION		
	COUNTY LINES – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES.		
	DOE BOUNDARY – X & Y COORDINATE DATA PROVIDED BY LASL.		
	DOE BOUNDARY – SURVEY DESCRIPTIONS OR RECORD PLATS PROVIDED BY LASL.		
	DOE BOUNDARY – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES BASED ON PROJECTED COUNTY LINES.		

35	TECHNICAL AREA NO.		TOWER
	BUILDING		PIPE LINE
	FENCE		CUT LINE OR POWER LINE CLEARANCE SCAR
	PAVED ROAD		WATER TOWER
	DIRT ROAD	Tank	TANK
	JEEP TRAIL		POND
	CULVERT	Rw	RETAINING WALL
	GUARD RAIL		EARTH DIKES OR BLASTING SHIELDS
	TUNNEL	Earth Work	EARTH WORK OR GRADED AREAS
	EARTHEN BUNKERS		GATE
	POWER POLE		

SHEET LAYOUT



NORTH

TRUE NORTH
GRID NORTH
-00°00'
GRID NMSP NORTH

MAPPING COMPLETED BY PHOTOGRAMMETRIC METHODS, UTILIZING 1:30,000, 1:12,000 & 1:13,200 PHOTOGRAPHY, OBTAINED IN NOV. 1976 & JUNE 1980 WITH ZEISS RMK A 15/23 CAMERAS OF 153.42 & 152.43mm C.F.L. RESPECTIVELY, MAPPING BASED ON CONTROL SURVEYS TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE). MAPPING COMPLETED IN ACCORDANCE WITH NATIONAL MAP ACCURACY SPECIFICATIONS.

400 200 0 400 800 1200 FEET
100 50 0 100 200 300 400 METER

GRAPHIC SCALE: 1 in.=400 ft.

CONTOUR INTERVAL 10 ft

TECHNICAL AREAS

53 MPF–SITE

15397-D

LOS ALAMOS SCIENTIFIC LABORATORY

MAP 5

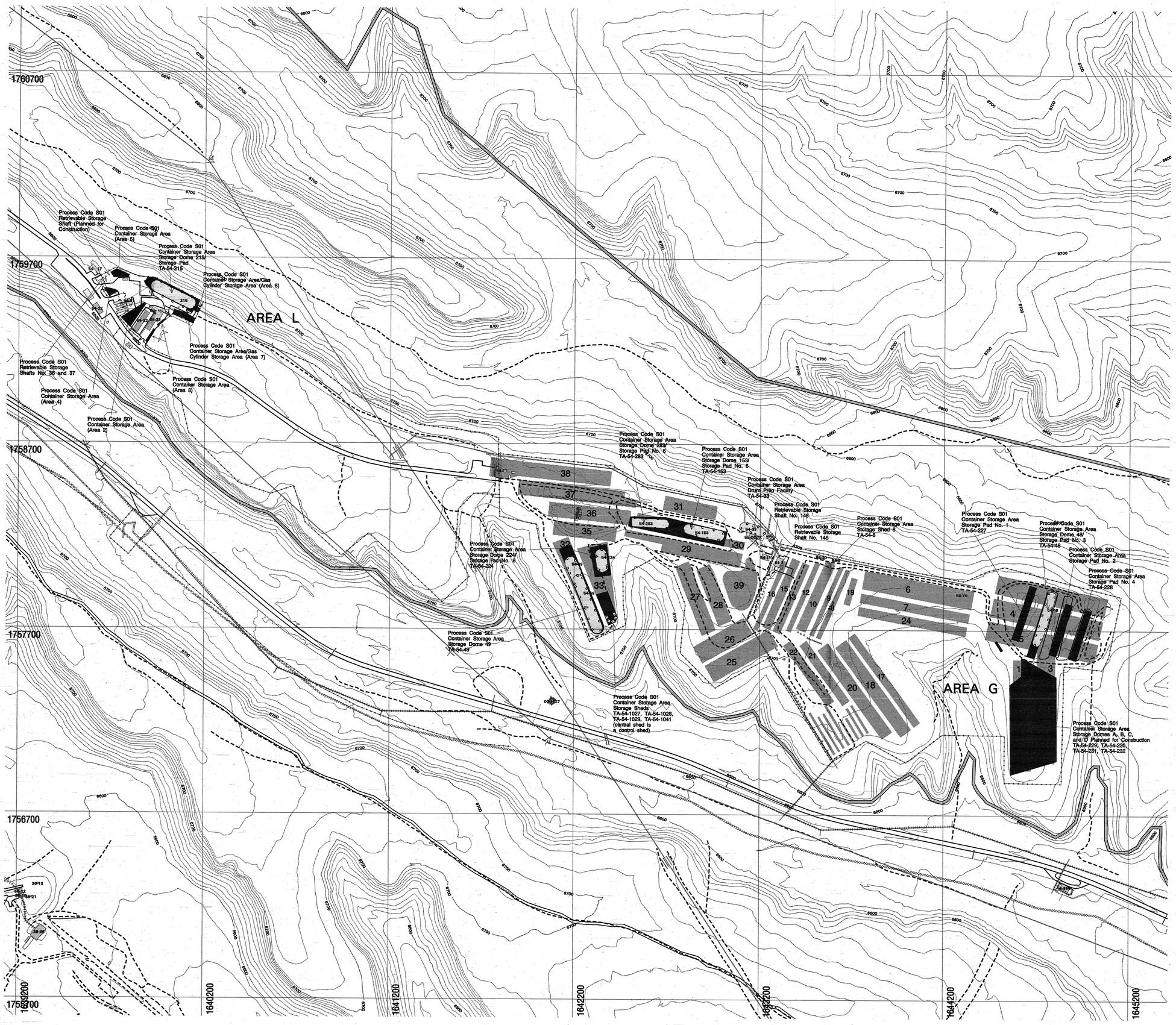
CONTOUR MAP SHOWING
MIXED WASTE UNITS
AT TA-53

LAB JOB NO. 5682

1"=400' SCALE

PLAN / TOPO

SHEET 14 OF 25



LEGEND

- Contours, 100 ft
- Contours, 10 ft
- Fence, Industrial
- Fence, Security
- Power Line >13.2 kV
- Power Line <13.2 kV
- Retaining Wall
- Road, Dirt
- Road, Paved
- Road/Trail
- Sewer Line
- Storm Drain/Culvert
- Telephone Line
- Water Line
- Material Disposal Area
- Pad
- Pit
- Shaft
- Permanent Structure
- Temporary Structure
- Denotes engineering information supplied by a source other than LANL Engineering Division

15397-E

MAP 6:
Contour Map Showing Mixed Waste Units at TA 54, Areas G and L

N

State Plane Coordinate System, New Mexico Central Zone.
1983 North American Datum

Grid provides NM State Plane coordinates in feet.
Grid interval, in feet: 1000
Feet per inch on map = 250

SCALE 1:3000

0 76 152 228 304
METERS
0 250 500 750 1000
FEET

Notice: The information on this map is provisional and the accuracy has not been confirmed. Feature locations are dependent on scale and symbology and should not be relied upon to establish legal claims.

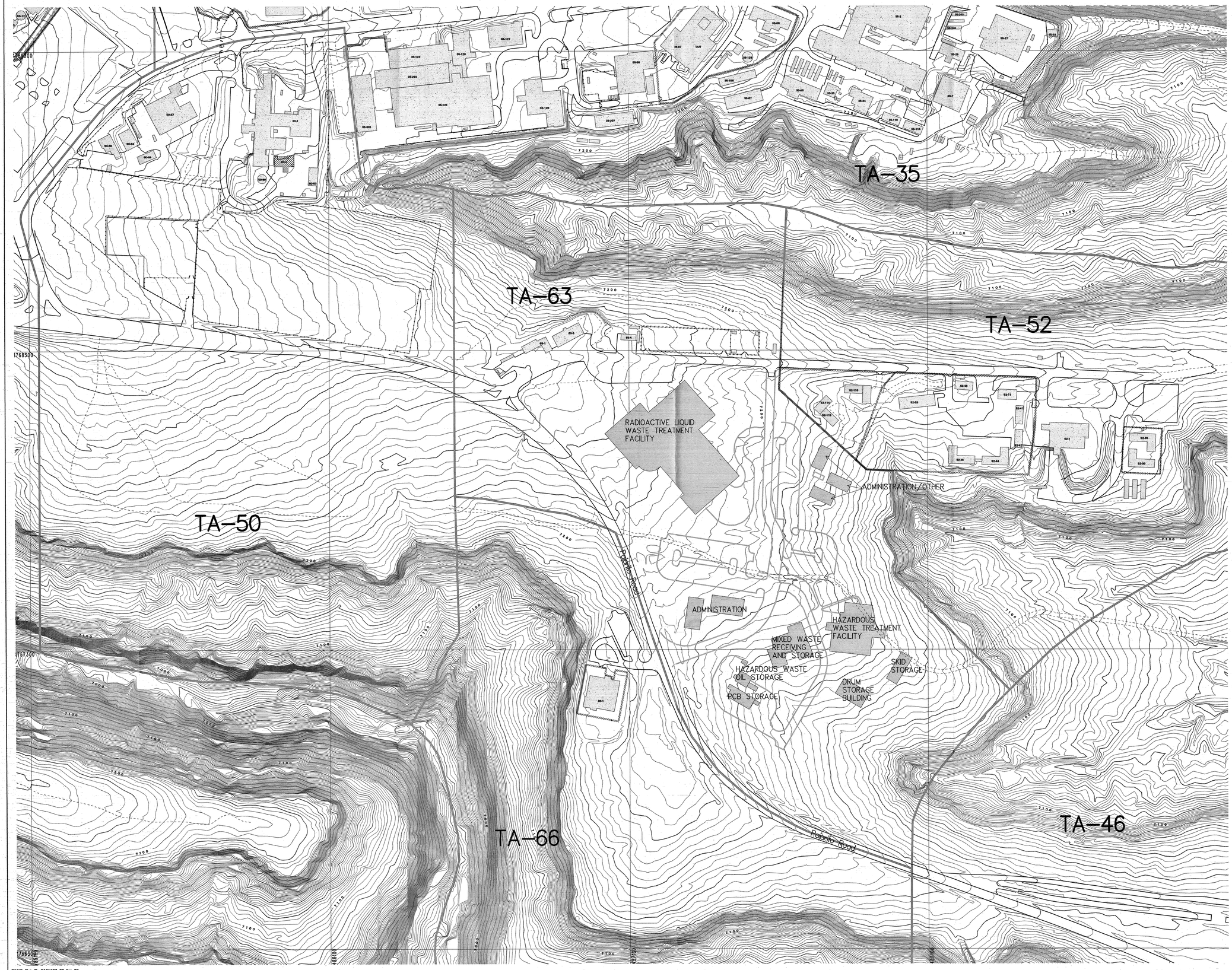
Basemap Sources: Boundary, structure and utility data are from Los Alamos National Laboratory Engineering Division and Los Alamos County Utility and Engineering Departments. Contour data is from Los Alamos National Laboratory Environmental Restoration Program aerial survey, September, 1991.

University of California
Los Alamos National Laboratory
Earth & Environmental Sciences Division

FIMAD Facility for Information Management, Analysis and Display
FIMAD is the electronic data repository for the Environmental Restoration Program at Los Alamos National Laboratory.

Produced by: Doug Walther
Date: September 23, 1994 FIMAD Plot ID: G102585

Location Map of Proposed Hazardous Waste Treatment Facility at TA-63



FIMAD Plot ID: G101197 22 Sep 93

Location Map of Proposed HWTF

LEGEND

- Boundary, TA
- Contour, 100 foot
- Contour, 10 foot
- Contour, 2 foot
- Fence, Industrial
- Fence, Security
- Gate
- Road, Dirt
- Road, Paved
- Road/Parking, Proposed
- Road/Trail

STRUCTURES

- Permanent
- Proposed
- Temporary
- Underground

- Brass Cap
- Ground Control Point

MAP 7

15397-F

N

State Plane Coordinate System, New Mexico Central Zone.
1983 North American Datum

Grid provides NM State Plane coordinates in feet.
Grid interval, in feet: 1000

METERS

FEET

Notice: The information on this map is provisional and the accuracy has not been confirmed. Feature locations are dependent on scale and symbology and should not be relied upon to establish legal claims.
Basemap Sources: Boundary, structure and utility data are from Los Alamos National Laboratory Engineering Division and Los Alamos County Utility and Engineering Departments. Contour data is from Los Alamos National Laboratory Environmental Restoration Program aerial survey, September, 1991.

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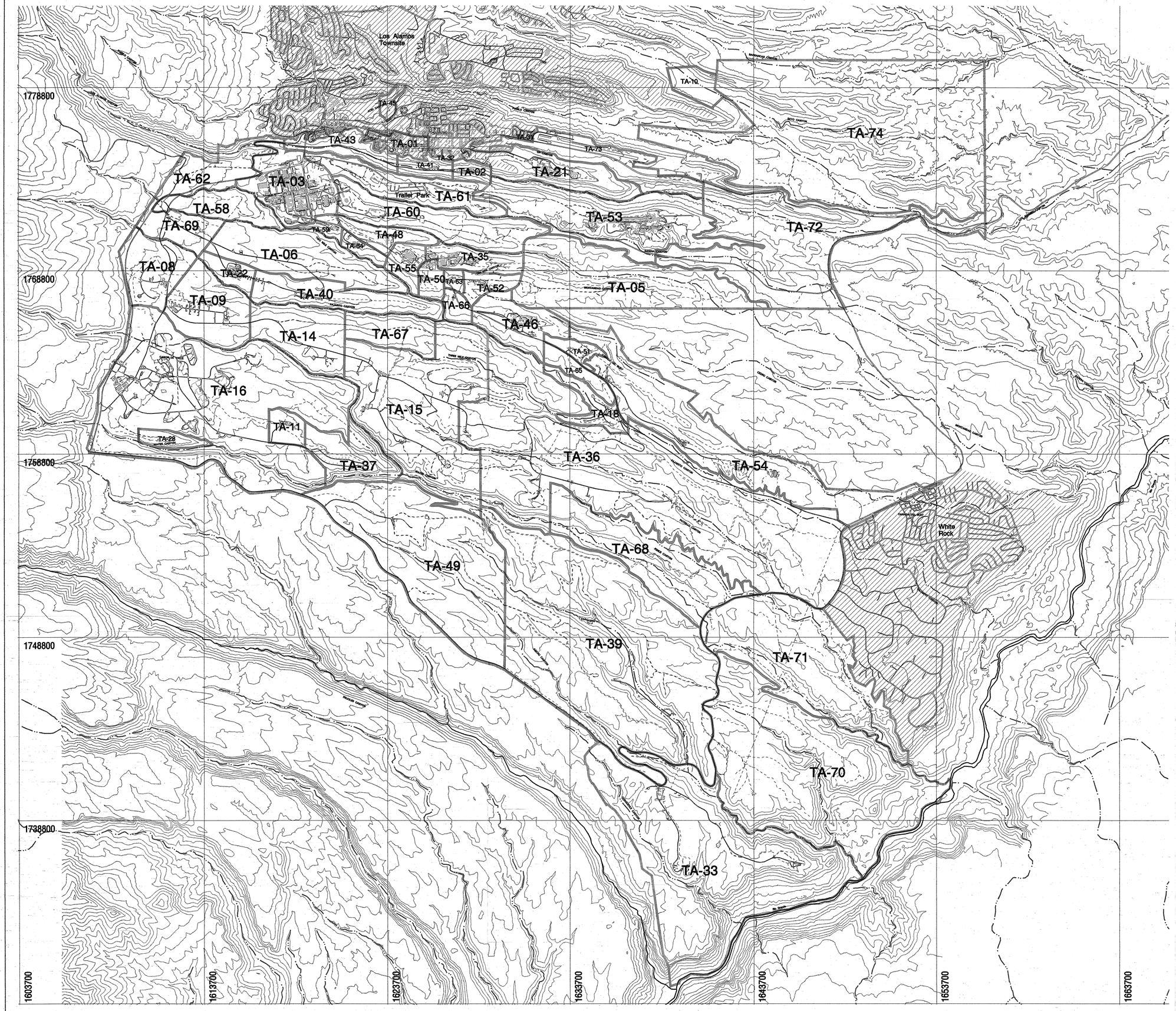
Produced by: Marcia Jones
Date: September 22, 1993 FIMAD Plot ID: G102422



LEGEND

- Boundary, LANL
- Boundary, TA
- Contours, 100 foot
- Roads, Dirt
- Roads, Paved
- Road/Trail
- Stream, Intermittent
- Stream, Perennial
- Building
- Residential Areas

Note: Trailer Park is a residential area

15397-G

MAP 8:
Contour Map Showing All Technical Areas (TAs) at Los Alamos National Laboratory (LANL) (TA-57, Fenton Hill Site, not shown)

N

State Plane Coordinate System, New Mexico Central Zone.
1983 North American Datum

Grid provides NM State Plane coordinates in feet.
Grid interval, in feet: 10000
Feet per inch on map = 2500

SCALE 1:30000

METERS

FEET

Notice: The information on this map is provisional and the accuracy has not been confirmed. Feature locations are dependent on scale and symbology and should not be relied upon to establish legal claims.

Basemap Sources: Boundary, structure and utility data are from Los Alamos National Laboratory Engineering Division and Los Alamos County Utility and Engineering Departments. Contour data is from Los Alamos National Laboratory Environmental Restoration Program aerial survey, September, 1991.

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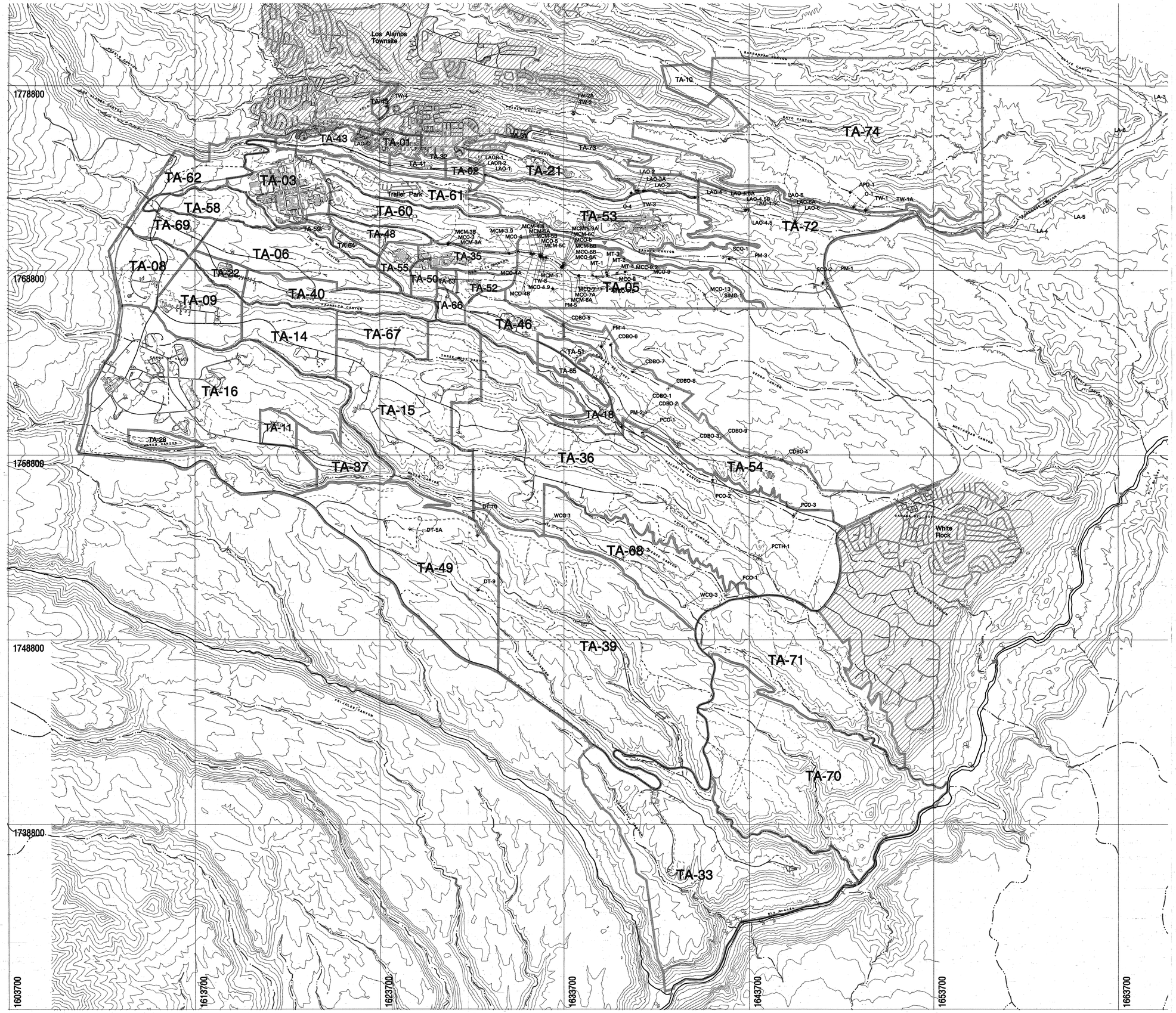
Produced by: Doug Walther

Date: July 28, 1994 FIMAD Plot ID: G102408



LEGEND

- Boundary, LANL
- Boundary, TA
- Contours, 100 foot
- Roads, Dirt
- Roads, Paved
- Road/Trail
- Stream, Intermittent
- Stream, Perennial
- Building
- Residential Areas

Note: Trailer Park is a residential area

PERCHED ALLUVIAL MONITORING WELLS
(Old wells are pre-1990, new wells installed since 1990 according to EPA guidelines)

- New Dry Well
- Old Dry Well
- New Saturated Well
- Old Saturated Well

MAIN AQUIFER WELLS

- Water Supply Well
- Test Well

OTHER

- LAOR Well
- Abandoned/Plugged Well

- Surface Water Sampling Station
- Spring

15397-H

MAP 10:
Location Map of Water Supply Wells, Monitoring Wells, Test Wells, Springs, and Surface Water Sampling Stations

N

State Plane Coordinate System, New Mexico Central Zone.
1983 North American Datum

Grid provides NM State Plane coordinates in feet.
Grid interval, in feet: 10000
Feet per inch on map = 2500

SCALE 1:30000

METERS: 0, 762, 1524, 2286, 3048

FEET: 0, 2500, 5000, 7500, 10000

Notice: The information on this map is provisional and the accuracy has not been confirmed. Feature locations are dependent on scale and symbology and should not be relied upon to establish legal claims.

Basemap Sources: Boundary, structure and utility data are from Los Alamos National Laboratory Engineering Division and Los Alamos County Utility and Engineering Departments. Contour data is from Los Alamos National Laboratory Environmental Restoration Program aerial survey, September, 1991.

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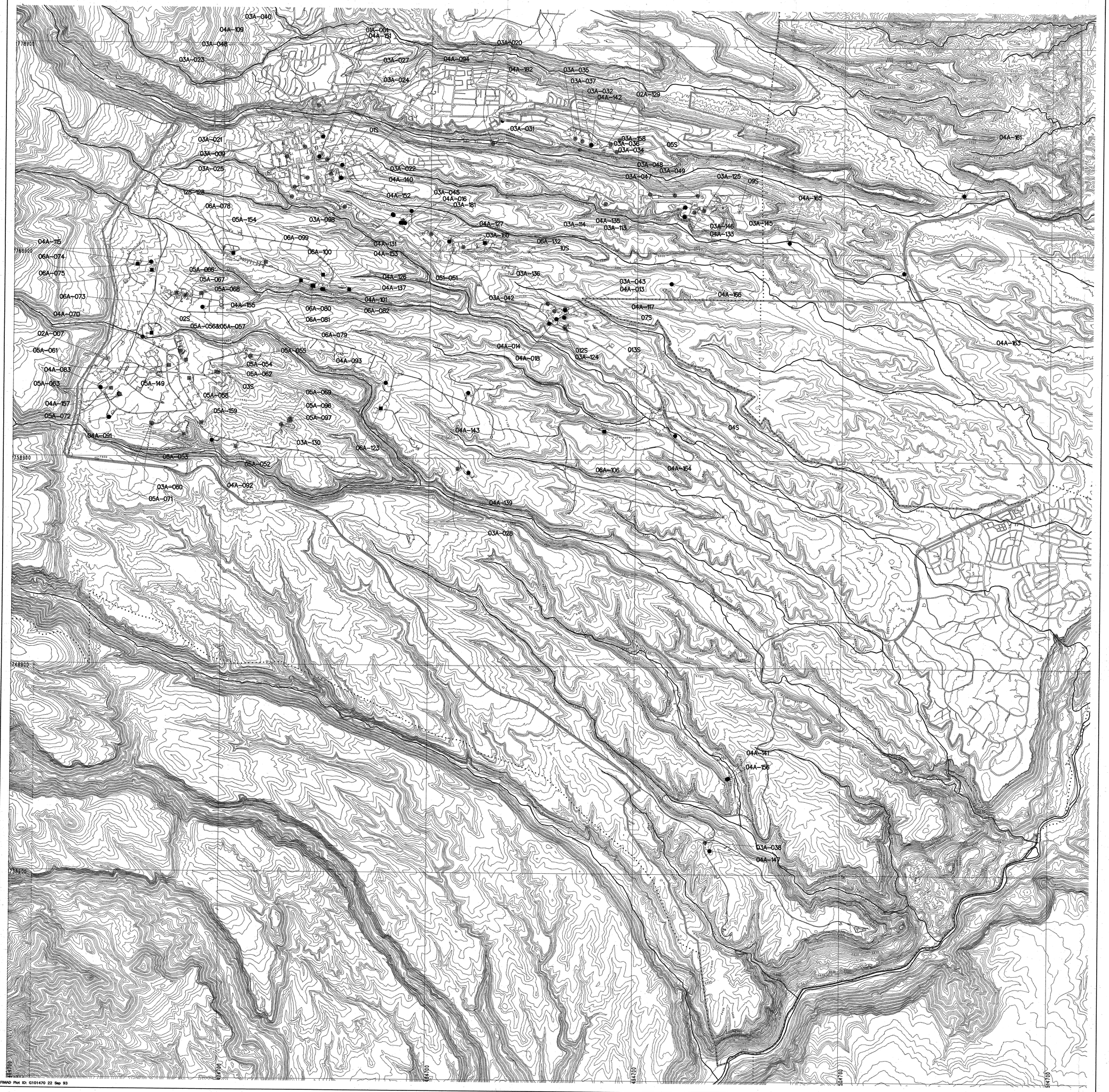
Produced by: Doug Walther

Date: July 28, 1994 FIMAD Plot ID: G102409

NPDES OUTFALL LOCATIONS



NPDES Outfall Locations

LEGEND

- County Boundary
- Drainage
- Laboratory Boundary
- Roads, Paved
- 100-ft Contours
- 20-ft Contours

OUTFALL CATEGORIES

- 01A
- 02A
- 03A
- 04A
- 05A
- 06A
- Miscellaneous

15397-I

MAP 11

LOS ALAMOS NATIONAL LABORATORY
NPDES OUTFALL LOCATIONS

N

State Plane Coordinate System, New Mexico Central Zone, 1983 North American Datum

Grid provides NM State Plane coordinates in feet.
Grid interval, in feet: 10000

METERS

FEET

Notice: The information on this map is provisional and its accuracy has not been confirmed. Feature locations are dependent on scale and symbology and should not be relied upon to establish legal claims.

Basemap Sources: Boundary, structure and utility data are from Los Alamos National Laboratory Engineering Division and Los Alamos County Utility and Engineering Departments. Contour data is from Los Alamos National Laboratory Environmental Restoration Program aerial survey, September, 1991.

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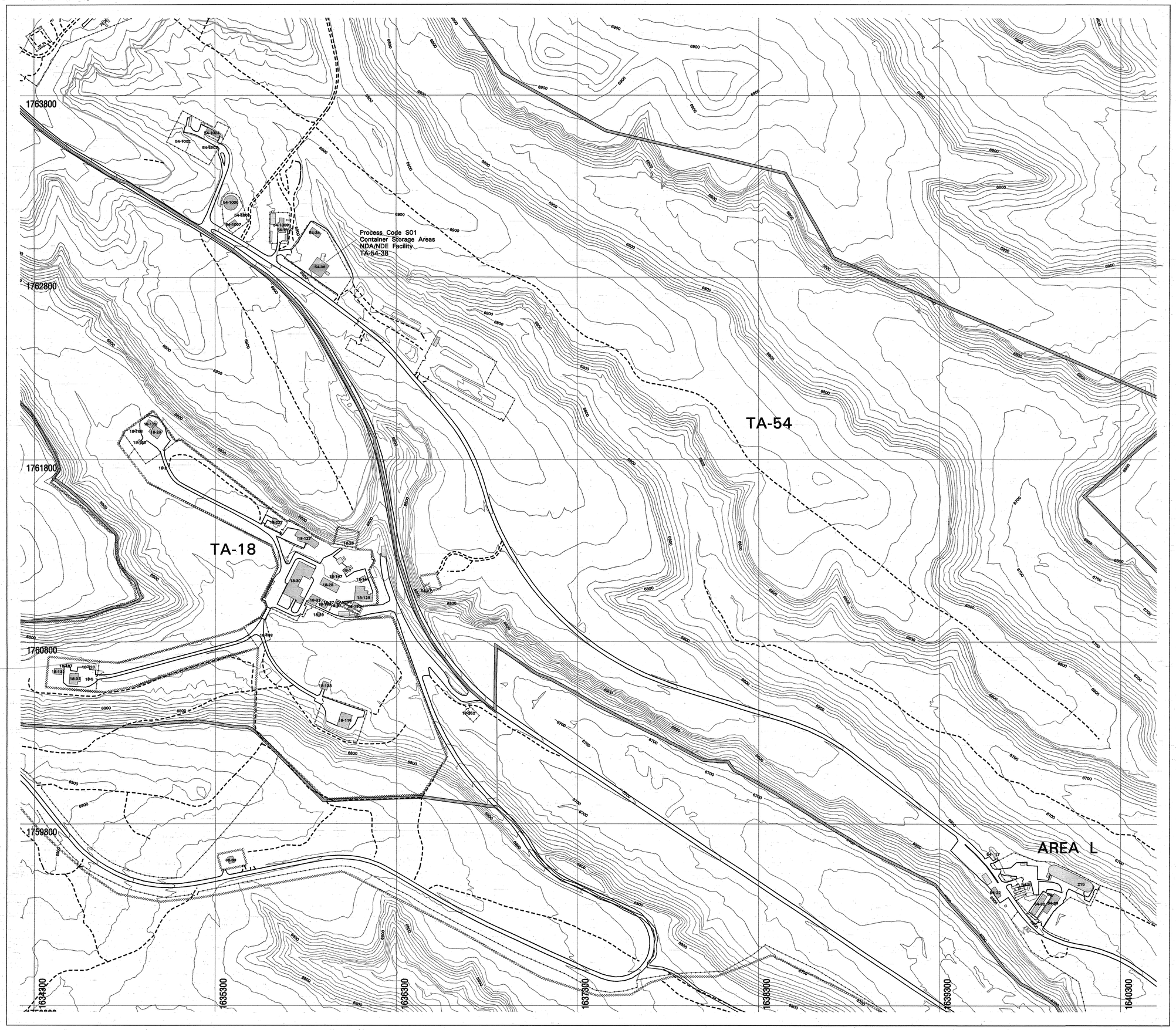
Produced by: Marcia Jones

Date: September 22, 1993 FIMAD Plot ID: G102423



LEGEND

- Boundary, OU
- Boundary, TA
- Contours, 100 ft
- Contours, 10 ft
- Fence, Industrial
- Fence, Security
- Road, Dirt
- Road, Paved
- Road/Trail
- Permanent Structure
- Temporary Structure

15397-J

MAP 12:
Contour Map Showing Non-Destructive Assay/
Non Destructive Examination (NDA/NDE) Facility
TA-54-38

N

State Plane Coordinate System, New Mexico Central Zone.
1983 North American Datum

Grid provides NM State Plane coordinates in feet.
Grid interval, in feet: 1000
Feet per inch on map = 250

SCALE 1:3000

0 76 152 228 304
METERS
0 250 500 750 1000
FEET

Notice: The information on this map is provisional and the accuracy has not been confirmed. Feature locations are dependent on scale and symbology and should not be relied upon to establish legal claims.
Basemap Sources: Boundary, structure and utility data are from Los Alamos National Laboratory Engineering Division and Los Alamos County Utility and Engineering Departments. Contour data is from Los Alamos National Laboratory Environmental Restoration Program aerial survey, September, 1991.

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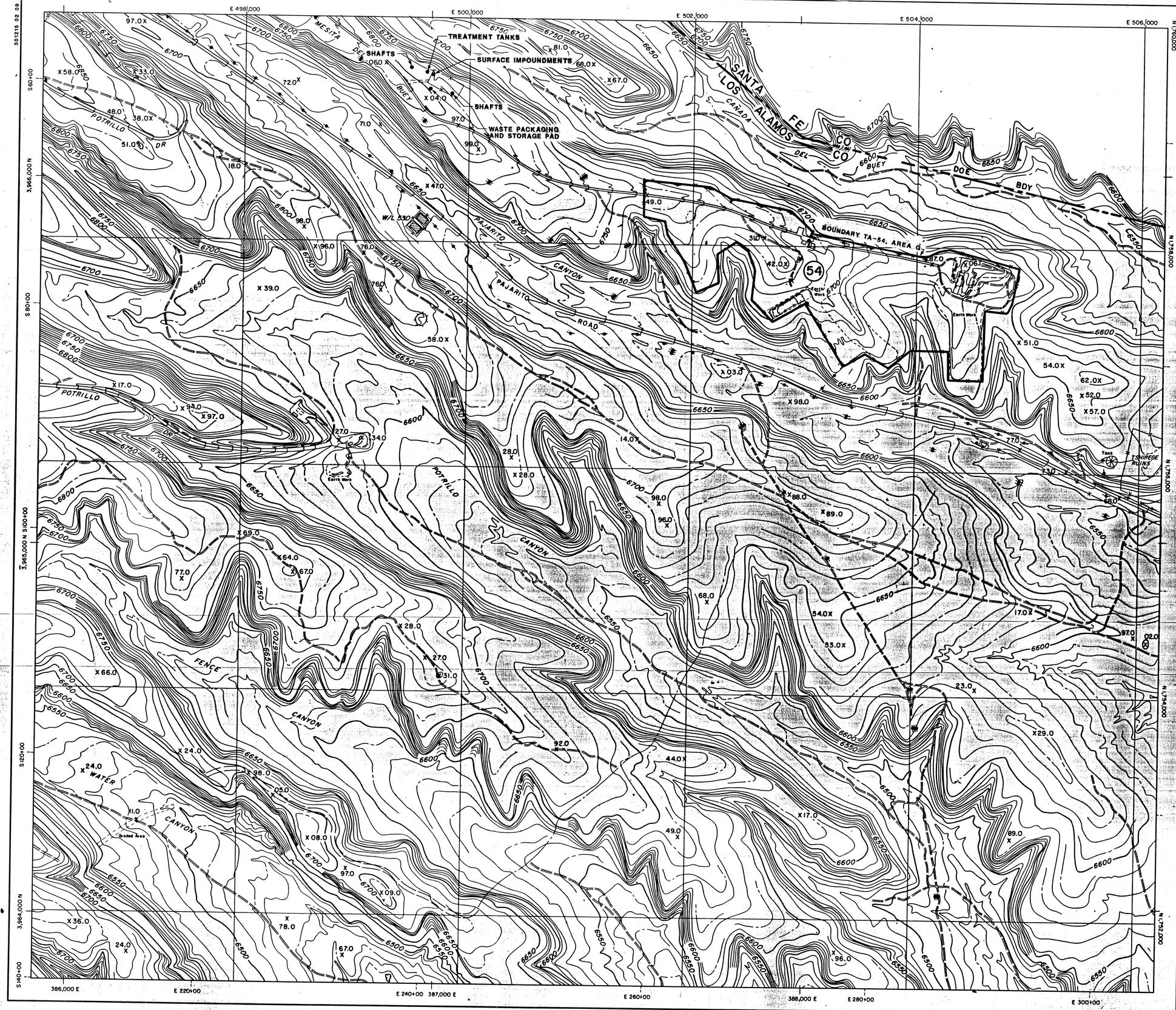
Produced by: Doug Walther
Date: July 29, 1994 FIMAD Plot ID: G102399

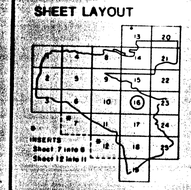


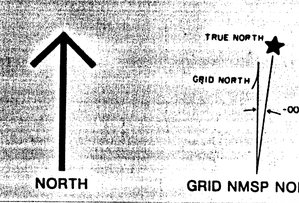
LEGEND

X 93.0	SPOT ELEVATION	N 1,768,000	NMSP GRID
6900	INDEX CONTOUR	3,989,000 N	UTM GRID
	INTERMEDIATE CONTOUR 10ft.	N 240+00	LASL GRID
	SUPPLEMENTARY CONTOUR 5ft.		
	CONTOURS THROUGH HEAVY VEGETATION		
	COUNTY LINES – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES.		
	DOE BOUNDARY – X & Y COORDINATE DATA PROVIDED BY LASL.		
	DOE BOUNDARY – SURVEY DESCRIPTIONS OR RECORD PLATS PROVIDED BY LASL.		
	DOE BOUNDARY – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES BASED ON PROJECTED COUNTY LINES.		

35	TECHNICAL AREA NO.		TOWER
	BUILDING		PIPE LINE
	FENCE		CUT LINE OR POWER LINE CLEARANCE SCAR
	PAVED ROAD		WATER TOWER
	DIRT ROAD	Tank	TANK
	JEEP TRAIL		POND
	CULVERT	RW	RETAINING WALL
	GUARD RAIL		EARTH DIKES OR BLASTING SHIELDS
	TUNNEL	Earth Work	EARTH WORK OR GRADED AREAS
	EARTHEN BUNKERS		GATE
	POWER POLE		

SHEET LAYOUT





MAPPING COMPLETED BY PHOTOGRAMMETRIC METHODS, UTILIZING 1:30,000, 1:12,000 & 1:13,200 PHOTOGRAPHY, OBTAINED IN NOV. 1976 & JUNE 1980 WITH ZEISS RMK A 15/23 CAMERAS OF 153.42 & 152.43mm C.F.L. RESPECTIVELY, MAPPING BASED ON CONTROL SURVEYS TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE). MAPPING COMPLETED IN ACCORDANCE WITH NATIONAL MAP ACCURACY SPECIFICATIONS.

400 200 0 400 800 1200 1600 FEET
100 50 0 100 200 300 400 500 METER

GRAPHIC SCALE: 1 in.=400 ft. CONTOUR INTERVAL 10 ft.

TECHNICAL AREAS

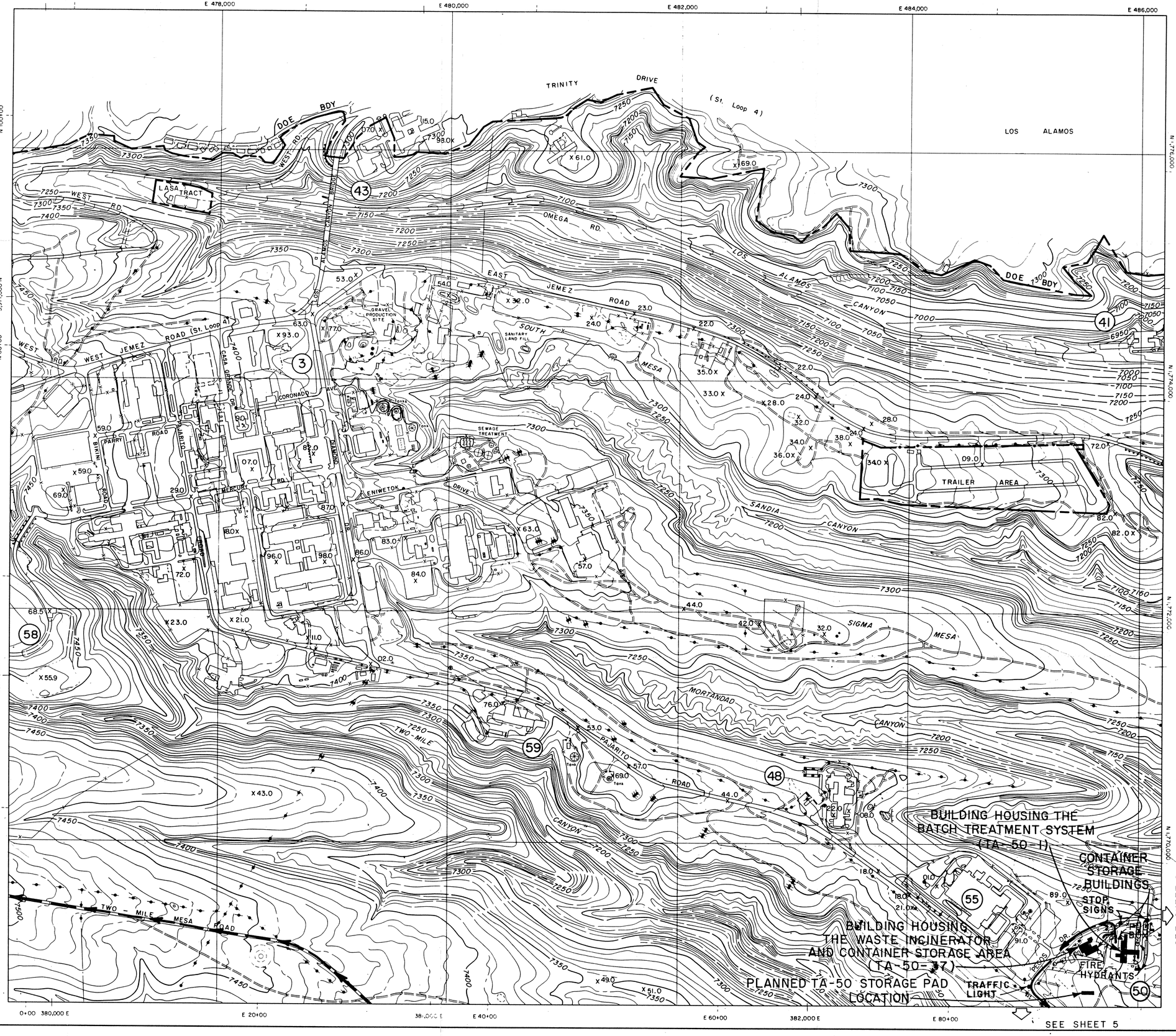
54 MD-SITE

15397-K

LOS ALAMOS SCIENTIFIC LABORATORY

FIGURE 2
CONTOUR MAP SHOWING THE LOCATION OF THE TA-54, AREA L TREATMENT TANKS, SURFACE IMPOUNDMENTS, WASTE PACKAGING AND STORAGE PAD, SHAFTS, AND TA-54, AREA G

LAB JOB NO. 5682
1"=400' SCALE
PLAN / TOPO
SHEET 16 OF 25

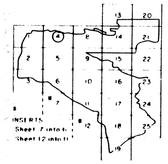


LEGEND

x 93.0	SPOT ELEVATION	N 1,768,000	NMSP GRID
—6900—	INDEX CONTOUR	3,989,000 N	UTM GRID
	INTERMEDIATE CONTOUR 10ft.	N 240+00	LASL GRID
	SUPPLEMENTARY CONTOUR 5ft.		
	CONTOURS THROUGH HEAVY VEGETATION		
	COUNTY LINES – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES.		
	DOE BOUNDARY – X & Y COORDINATE DATA PROVIDED BY LASL.		
	DOE BOUNDARY – SURVEY DESCRIPTIONS OR RECORD PLATS PROVIDED BY LASL		
	DOE BOUNDARY – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES BASED ON PROJECTED COUNTY LINES.		

(35)	TECHNICAL AREA NO.		TOWER
	BUILDING		PIPE LINE
	FENCE		CUT LINE OR POWER LINE CLEARANCE SCAR
	PAVED ROAD		WATER TOWER
	DIRT ROAD	Tank	TANK
	JEEP TRAIL		POND
	CULVERT		RETAINING WALL
	GUARD RAIL		EARTH DIKES OR BLASTING SHIELDS
	TUNNEL	Earth Work	EARTH WORK OR GRADED AREAS
	EARTHEN BUNKERS		GATE
	POWER POLE		EVACUATION ROUTE

SHEET LAYOUT



NORTH

GRID NMSP NORTH

MAPPING COMPLETED BY PHOTOGRAMMETRIC METHODS, UTILIZING 1:30,000, 1:12,000 & 1:13,200 PHOTOGRAPHY, OBTAINED IN NOV. 1976 & JUNE 1980 WITH ZEISS RMK A 15/23 CAMERAS OF 153.42 & 152.43mm C.F.L. RESPECTIVELY. MAPPING BASED ON CONTROL SURVEYS TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE). MAPPING COMPLETED IN ACCORDANCE WITH NATIONAL MAP ACCURACY SPECIFICATIONS.

GRAPHIC SCALE: 1 in.=400 ft.

CONTOUR INTERVAL 10 ft.

TECHNICAL AREAS

- (3) SM–SITE
- (41) W–SITE
- (50) WM–SITE
- (43) HRL–SITE
- (48) RC–SITE
- (58) TWO MILE NORTH–SITE
- (55) PLUTONIUM FACILITY SITE
- (59) OH–SITE

15397-L

LOS ALAMOS SCIENTIFIC LABORATORY

FIGURE 8

CONTOUR MAP SHOWING THE LOCATIONS OF THE BATCH TREATMENT SYSTEM AND CONTAINER STORAGE AREA AND THE WASTE INCINERATOR

IT Corporation
General Revisions Nov.,1987
Checked by SWS 11/18/87
Approved by DES 11/19/87

LAB JOB NO. 5682

1"=400' SCALE

PLAN / TOPO

SHEET 4 OF 25

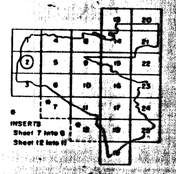
LEGEND

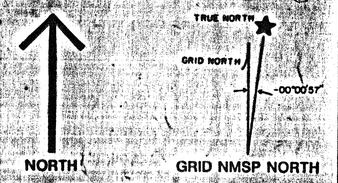
- X 93.0 — SPOT ELEVATION
- 6300 — INDEX CONTOUR
- INTERMEDIATE CONTOUR 10ft.
- SUPPLEMENTARY CONTOUR 5ft.
- CONTOURS THROUGH HEAVY VEGETATION
- COUNTY LINES – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES.
- DOE BOUNDARY – X & Y COORDINATE DATA PROVIDED BY LASL.
- DOE BOUNDARY – SURVEY DESCRIPTIONS OR RECORD PLATS PROVIDED BY LASL.
- DOE BOUNDARY – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES BASED ON PROJECTED COUNTY LINES.

N 1,768,000 — NMSP GRID
3,989,000 N — UTM GRID
N 240+00 — LASL GRID

- (35) TECHNICAL AREA NO.
- BUILDING
- FENCE
- PAVED ROAD
- DIRT ROAD
- JEEP TRAIL
- CULVERT
- GUARD RAIL
- TUNNEL
- EARTHEN BUNKERS
- POWER POLE
- TOWER
- PIPE LINE
- CUT LINE OR POWER LINE CLEARANCE SCAR
- WATER TOWER
- TANK
- POND
- RETAINING WALL
- EARTH DIKES OR BLASTING SHIELDS
- EARTH WORK OR GRADED AREAS
- GATE

SHEET LAYOUT





MAPPING COMPLETED BY PHOTOGRAMMETRIC METHODS, UTILIZING 1:30,000, 1:12,000 & 1:13,200 PHOTOGRAPHY, OBTAINED IN NOV. 1976 & JUNE 1980 WITH ZEISS RMK A 15/23 CAMERAS OF 153.42 & 152.43mm C.F.L. RESPECTIVELY, MAPPING BASED ON CONTROL SURVEYS TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE). MAPPING COMPLETED IN ACCORDANCE WITH NATIONAL MAP ACCURACY SPECIFICATIONS.

400 200 0 400 800 1200 1600 FEET
100 50 0 100 200 300 400 500 METER

GRAPHIC SCALE: 1 in.=400 ft. CONTOUR INTERVAL 10 ft.

TECHNICAL AREAS

(8) ANCHOR WEST SITE (9) ANCHOR EAST SITE (16) S-SITE
(22) TD-SITE

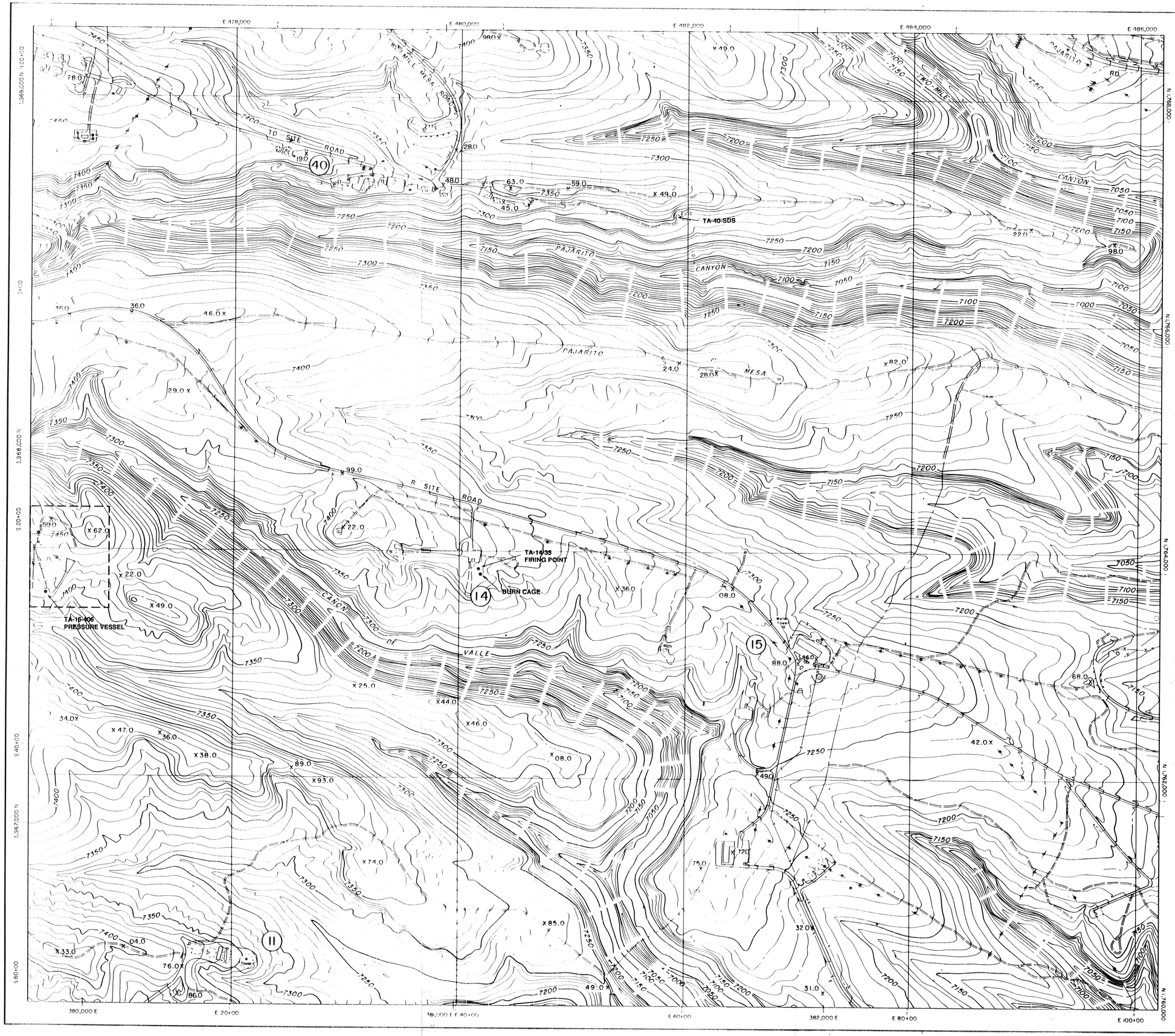
15397-M

LOS ALAMOS SCIENTIFIC LABORATORY

FIGURE 15
CONTOUR MAP SHOWING
LOCATION OF TA-16
OPEN BURNING UNIT
AND TA-16-1150 INCINERATOR

ENG-R 5277

LAB JOB NO. 5682
1"=400' SCALE
PLAN / TOPO
SHEET 2 OF 25

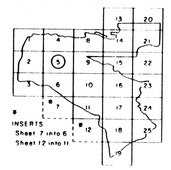


LEGEND

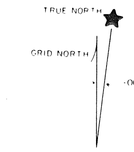
X 93.0	SPOT ELEVATION	N 1,768,000	NMSP GRID
6900	INDEX CONTOUR	3,989,000 N	UTM GRID
	INTERMEDIATE CONTOUR 10ft.	N 210+00	LASL GRID
	SUPPLEMENTARY CONTOUR 5ft.		
	CONTOURS THROUGH HEAVY VEGETATION		
	COUNTY LINES – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES.		
	DOE BOUNDARY – X & Y COORDINATE DATA PROVIDED BY LASL.		
	DOE BOUNDARY – SURVEY DESCRIPTIONS OR RECORD PLATS PROVIDED BY LASL.		
	DOE BOUNDARY – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES BASED ON PROJECTED COUNTY LINES.		

35	TECHNICAL AREA NO.		TOWER
	BUILDING		PIPE LINE
	FENCE		CUT LINE OR POWER LINE CLEARANCE SCAR
	PAVED ROAD		WATER TOWER
	DIRT ROAD		TANK
	JEEP TRAIL		POND
	CULVERT		RETAINING WALL
	GUARD RAIL		EARTH DIKES OR BLASTING SHIELDS
	TUNNEL		EARTH WORK OR GRADED AREAS
	EARTHEN BUNKERS		GATE
	POWER POLE		

SHEET LAYOUT



NORTH



GRID NMSP NORTH

MAPPING COMPLETED BY PHOTOGRAMMETRIC METHODS, UTILIZING 1:30,000, 1:12,000 & 1:13,200 PHOTOGRAPHY, OBTAINED IN NOV. 1976 & JUNE 1980 WITH ZEISS RMK A 15/23 CAMERAS OF 153.42 & 152.43mm C.F.L. RESPECTIVELY, MAPPING BASED ON CONTROL SURVEYS TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE). MAPPING COMPLETED IN ACCORDANCE WITH NATIONAL MAP ACCURACY SPECIFICATIONS.

400 200 0 400 800 1200 1600 FEET
100 50 0 100 200 300 400 500 METER

GRAPHIC SCALE: 1 in.=400 ft. CONTOUR INTERVAL 10 ft.

TECHNICAL AREAS

11 K–SITE
14 Q–SITE
15 R–SITE
40 DF–SITE

15397-N

LOS ALAMOS SCIENTIFIC LABORATORY

BOVAY ENGINEERS INC

FIGURE 20

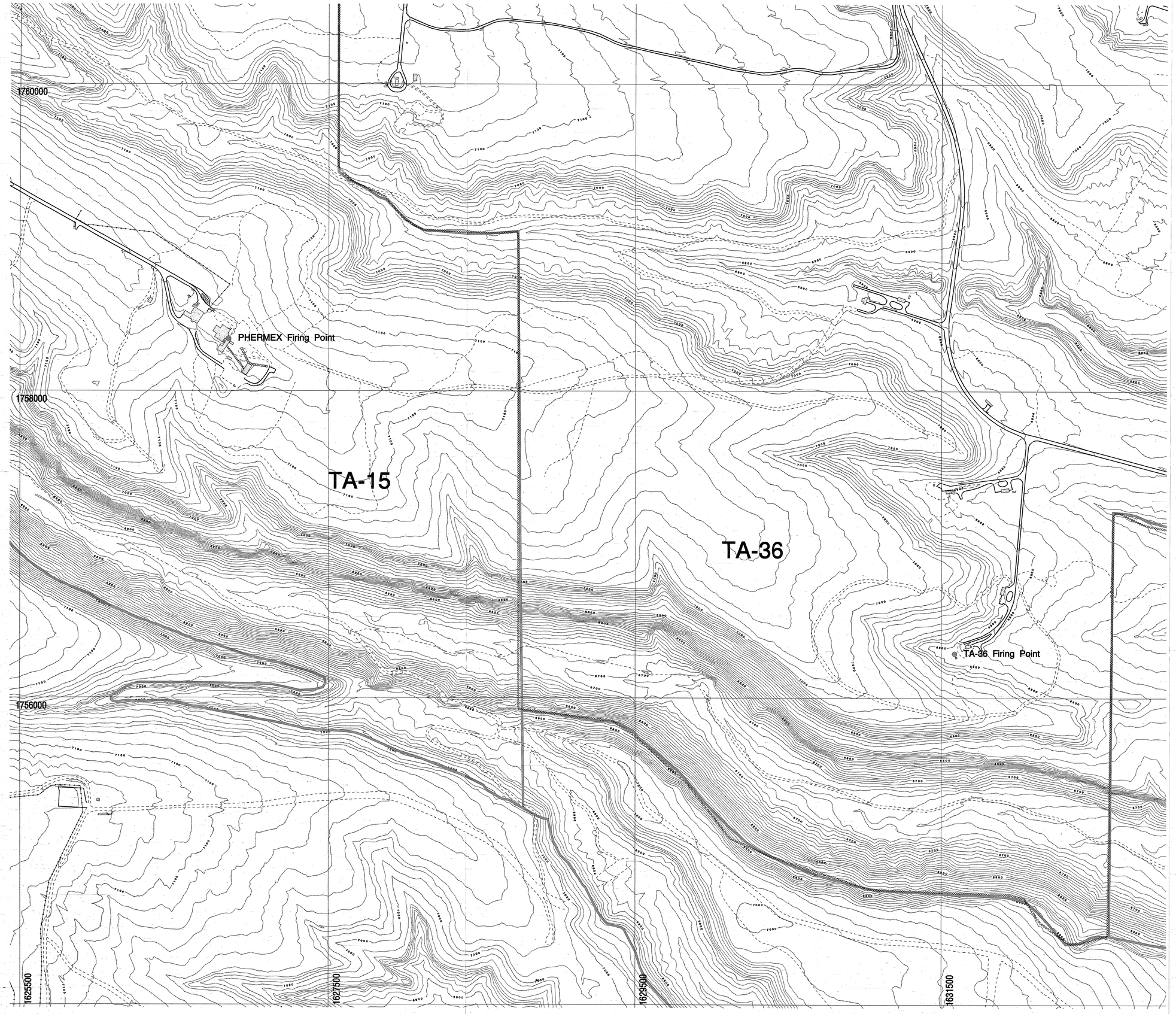
CONTOUR MAP SHOWING THE LOCATION OF THE TA-14 FIRING POINT AND BURN CAGE AND THE TA-40 SCRAP DETONATION SITE

LAB JOB NO. 5682

1"=400' SCALE

PLAN / TOPO

SHEET 5 OF 25



LEGEND

- Boundary, LANL
- Boundary, TA
- Contours, 10 foot
- Contours, 100 foot
- Fence, Industrial
- Fence, Security
- Roads, Dirt
- Roads, Paved
- Road/Trail
- Structure, Permanent
- Structure, Temporary
- Structure, Underground
- Firing Point

15397-O

FIGURE 21:
Contour Map Showing the Locations of the TA-15 and TA-36 Firing Points

N

State Plane Coordinate System, New Mexico Central Zone.
1983 North American Datum

Grid provides NM State Plane coordinates in feet.
Grid interval, in feet: 2000
Feet per inch on map = 300

SCALE 1:3600

METERS

FEET

Notice: The information on this map is provisional and the accuracy has not been confirmed. Feature locations are dependent on scale and symbology and should not be relied upon to establish legal claims.

Basemap Source: Boundary, structure and utility data are from Los Alamos National Laboratory Engineering Division and Los Alamos County Utility and Engineering Departments. Contour data is from Los Alamos National Laboratory Environmental Restoration Program aerial survey, September, 1991.

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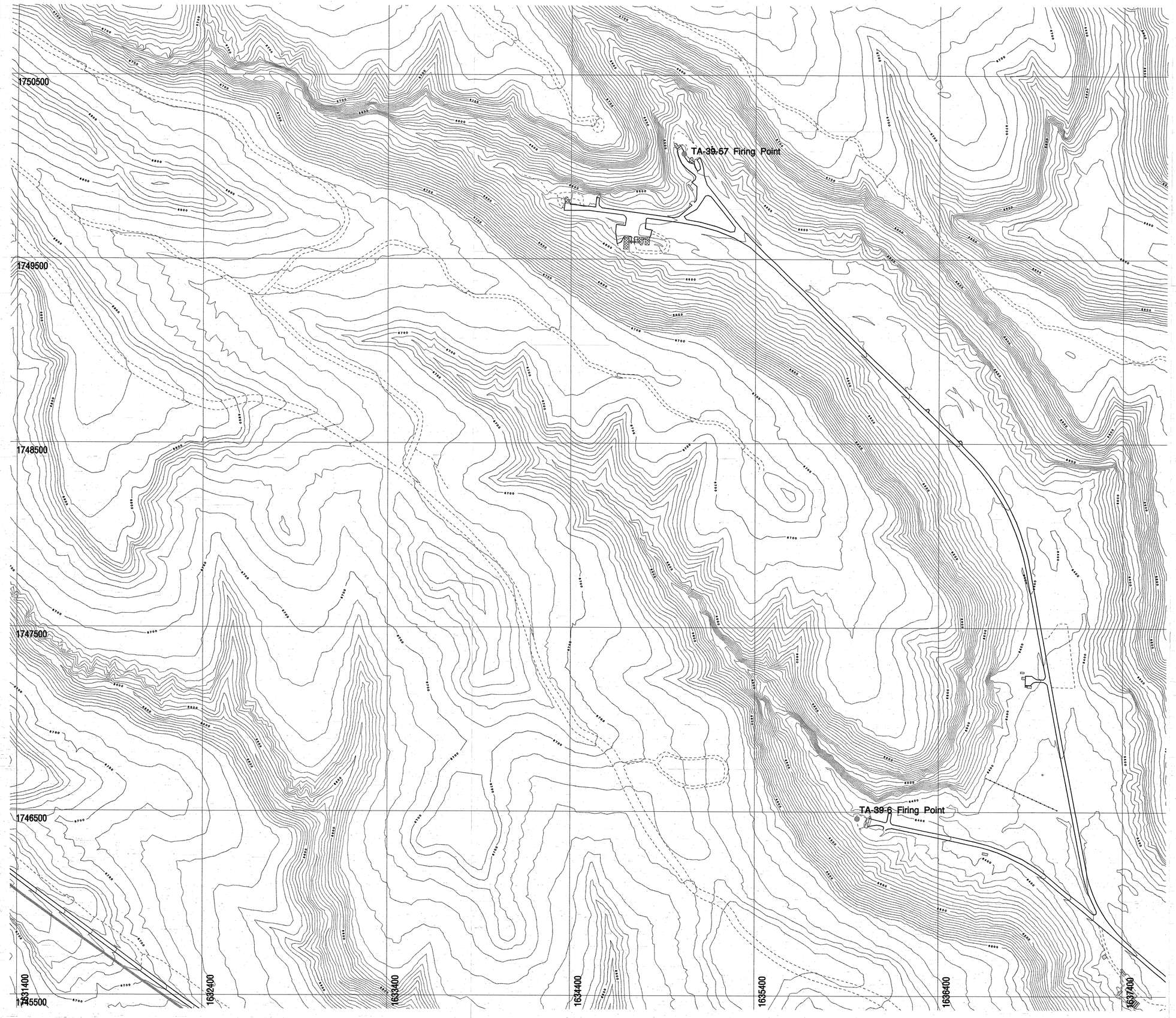
Produced by: Doug Walther

Date: August 02, 1994 FIMAD Plot ID: G102419



LEGEND

- Boundary, LANL
- Boundary, TA
- Contours, 10 foot
- Contours, 100 foot
- Fence, Industrial
- Fence, Security
- Roads, Dirt
- Roads, Paved
- Road/Trail
- Structure, Permanent
- Structure, Temporary
- Structure, Underground
- Firing Point

15397-P

FIGURE 22:
Contour Map Showing the Locations of the TA-39 Firing Points

N

State Plane Coordinate System, New Mexico Central Zone.
1983 North American Datum

Grid provides NM State Plane coordinates in feet.
Grid interval, in feet: 1000
Feet per inch on map = 250

SCALE 1:3000

0 76 152 228 304
METERS
0 250 500 750 1000
FEET

Notice: The information on this map is provisional and the accuracy has not been confirmed. Feature locations are dependent on scale and symbology and should not be relied upon to establish legal claims.

Basemap Sources: Boundary, structure and utility data are from Los Alamos National Laboratory Engineering Division and Los Alamos County Utility and Engineering Departments. Contour data is from Los Alamos National Laboratory Environmental Restoration Program aerial survey, September, 1991.

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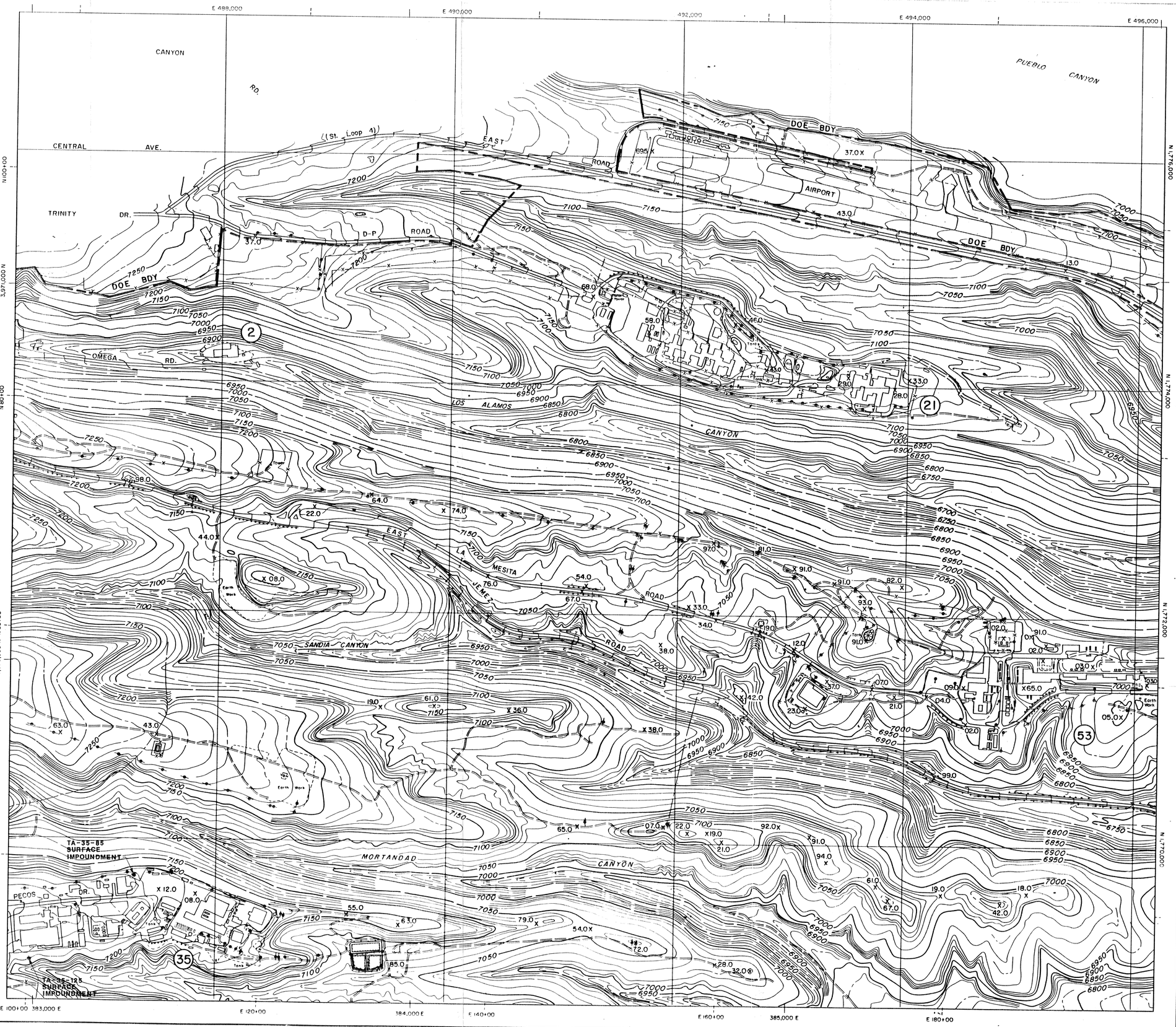
Produced by: Doug Walther

Date: August 02, 1994 FIMAD Plot ID: G102420

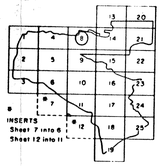


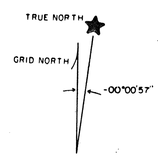
LEGEND

X 93.0	SPOT ELEVATION	NM 768,000	NMSP GRID
6900	INDEX CONTOUR	3,989,000 N	UTM GRID
	INTERMEDIATE CONTOUR 10ft.	N 240+00	LASL GRID
	SUPPLEMENTARY CONTOUR 5ft.		
	CONTOURS THROUGH HEAVY VEGETATION		
	COUNTY LINES – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES.		
	DOE BOUNDARY – X & Y COORDINATE DATA PROVIDED BY LASL.		
	DOE BOUNDARY – SURVEY DESCRIPTIONS OR RECORD PLATS PROVIDED BY LASL.		
	DOE BOUNDARY – TRANSFERRED FROM USGS 1:24,000 QUADRANGLES BASED ON PROJECTED COUNTY LINES.		

35	TECHNICAL AREA NO.		TOWER
	BUILDING		PIPE LINE
	FENCE		CUT LINE OR POWER LINE CLEARANCE SCAR
	PAVED ROAD		WATER TOWER
	DIRT ROAD	Tank	TANK
	JEEP TRAIL		POND
	CULVERT	RW	RETAINING WALL
	GUARD RAIL		EARTH DIKES OR BLASTING SHIELDS
	TUNNEL	Earth Work	EARTH WORK OR GRADED AREAS
	EARTHEN BUNKERS		GATE
	POWER POLE		

SHEET LAYOUT





MAPPING COMPLETED BY PHOTOGRAMMETRIC METHODS, UTILIZING 1:30,000, 1:12,000 & 1:13,200 PHOTOGRAPHY, OBTAINED IN NOV. 1976 & JUNE 1980 WITH ZEISS RMK A 15/23 CAMERAS OF 153.42 & 152.43mm C.F.L. RESPECTIVELY, MAPPING BASED ON CONTROL SURVEYS TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE). MAPPING COMPLETED IN ACCORDANCE WITH NATIONAL MAP ACCURACY SPECIFICATIONS.

400 200 0 400 800 1200 1600 FEET
100 50 0 100 200 300 400 500 METER

GRAPHIC SCALE: 1 in.=400 ft.

CONTOUR INTERVAL 10 ft.

TECHNICAL AREAS

2 OMEGA SITE
21 DP-SITE
39 TEN SITE
53 MPF-SITE

15397-Q

LOS ALAMOS SCIENTIFIC LABORATORY

FIGURE 23

CONTOUR MAP SHOWING THE LOCATIONS OF THE TA-35-125 AND TA-35-85 SURFACE IMPOUNDMENTS

LAB JOB NO. 5682

1"=400' SCALE

PLAN / TOPO

SHEET 8 OF 25

ATTACHMENT 3

FACILITY DRAWINGS

LIST OF FACILITY DRAWINGS

FIGURE NO.	TITLE
Figure 1	TA-3-29 - Site Location Plan
Figure 2	TA-3-29 - CMR Building Basement Floor Plan
Figure 3	TA-15 - PHERMEX Facility
Figure 4	TA-16-88 - Site Location Plan
Figure 5	TA-16-88 - Container Storage Area
Figure 6	TA-21 - Site Location Map and Container Storage Areas
Figure 7	TA-36 - Minie Site
Figure 8	TA-50 - Site Location Plan
Figure 9	TA-50-1, -37, -69, -114 - Site Location Map
Figure 10	TA-50-1 - Floor Plan and Container Storage Area Location
Figure 11	TA-50-1 - Room 60, 60A and 60D Detail
Figure 12	TA-50-37 - Incinerator Complex Floor Plan
Figure 13	TA-50-37-115 - Liquid Feed Preparation Area Floor Plan
Figure 14	TA-50-69 - ~~Size Reduction~~ Waste Characterization, Reduction, and Repackaging Facility Container Storage Areas
Figure 15	TA-53 - Site Location Plan
Figure 16	TA-53-166 - Surface Impoundments
Figure 17	TA-54 - Site Location Map
Figure 17a	TA-54-38 - Nondestructive Assay/Nondestructive Examination (NDA/NDE) Facility First Floor Plan
Figure 18	TA-54 - Area L
Figure 19	TA-54 - Area G
Figure 20	TA-55 - Site Location Plan

LIST OF FACILITY DRAWINGS
(Continued)

FIGURE NO.	TITLE
Figure 21	TA-55-4 - Basement Floor Plan
Figure 22	TA-55-4 - First Floor Plan
Figure 22a	TA-55-185 - Floor Plan
Figure 23	TA-63 - Hazardous Waste Treatment Facility Conceptual Site Plan
Figure 24	TA-63 - Simplified Schematic of the Hazardous Waste Treatment Facility
Figure 25	Location Map of Los Alamos National Laboratory Technical Areas

LIST OF FACILITY DRAWINGS
(Continued)

Facility drawings showing the locations of all the hazardous waste units are provided here to meet Part A requirements in 20 NMAC 4.1, Subpart ~~HWMR 7, Part~~ IX, 270.13(h).

FIGURE NO.	TITLE
Figure 26	TA-14 - Q Site (Firing Point)
Figure 27	TA-16 - S Site (Firing Point)
Figure 28	TA-16 Industrial Incinerator
Figure 29	TA-39 - Ancho Canyon Site (Firing Point)
Figure 30	TA-40 - DF Site (Scrap Detonation Site)
Figure 31	TA-50
Figure 32	Location of Batch Treatment Unit in Building 1 in TA-50
Figure 33	TA-54, Area L
Figure 34	TA-3-102
Figure 35	TA-22-24
Figure 36	TA-40-2

Figures 26 through 30 have been modified from LANL's Structure Location Maps, Facilities Engineering Division. Figures 31 through 33 have been modified from the RCRA Part B Permit Application, Revision 4.1, November 1988. Figures have not been included for hazardous waste detonation sites at TA-15 and TA-36 or for the incinerator at TA-50-37 since these units are represented by Figures 3, 7, and 12 in this attachment. These three units are both hazardous and mixed waste units. Figures 34, 35, and 36 are hazardous waste units that have been closed.

Summary of Revisions to Facility Drawings from Revision 1.0 of the Part A Permit Application, September 1993

Location	Revision
Figure 6	Revisions to the following: bermed area outside of TA-21-61; shading that represents container storage area inside TA-21-61; and location of shed connected to TA-21-61 (moved from west to north side of building).
Figure 8	Label for TA-50-69 changed from SRF to WCRRF; and length of storage pad near TA-50-69 extended for consistency with Figure 14.
Figure 9	Label for TA-50-69 changed from SRF to WCRRF; and length of storage pad near TA-50-69 extended for consistency with Figure 14.
Figure 14	Revisions include expansion of the container storage areas and modification of building orientation, both revised from Revision 1.0 of the Part A permit application. No capacity change.
Figure 17a	New figure for NDA/NDE facility, TA-54-38.
Figure 18	Revisions to Area 1 and Area 6 container storage areas and addition of planned container Storage Dome 215. Design capacity decreased from 142,240 to 100,000 gals.
Figure 19	Revisions to unit labels; pad, dome, and pit locations; and structure numbers.
Figure 20	Building 185, TA-55-185, was added along with associated label.
Figure 22a	New figure for Building 185, TA-55-185.
Figure 24	Note at bottom of figure revised.
Figure 25	Revision to technical areas shown on figure.
Figure 31	Replacement figure to improve the quality of the figure in Revision 1.0 of the Part A permit application.

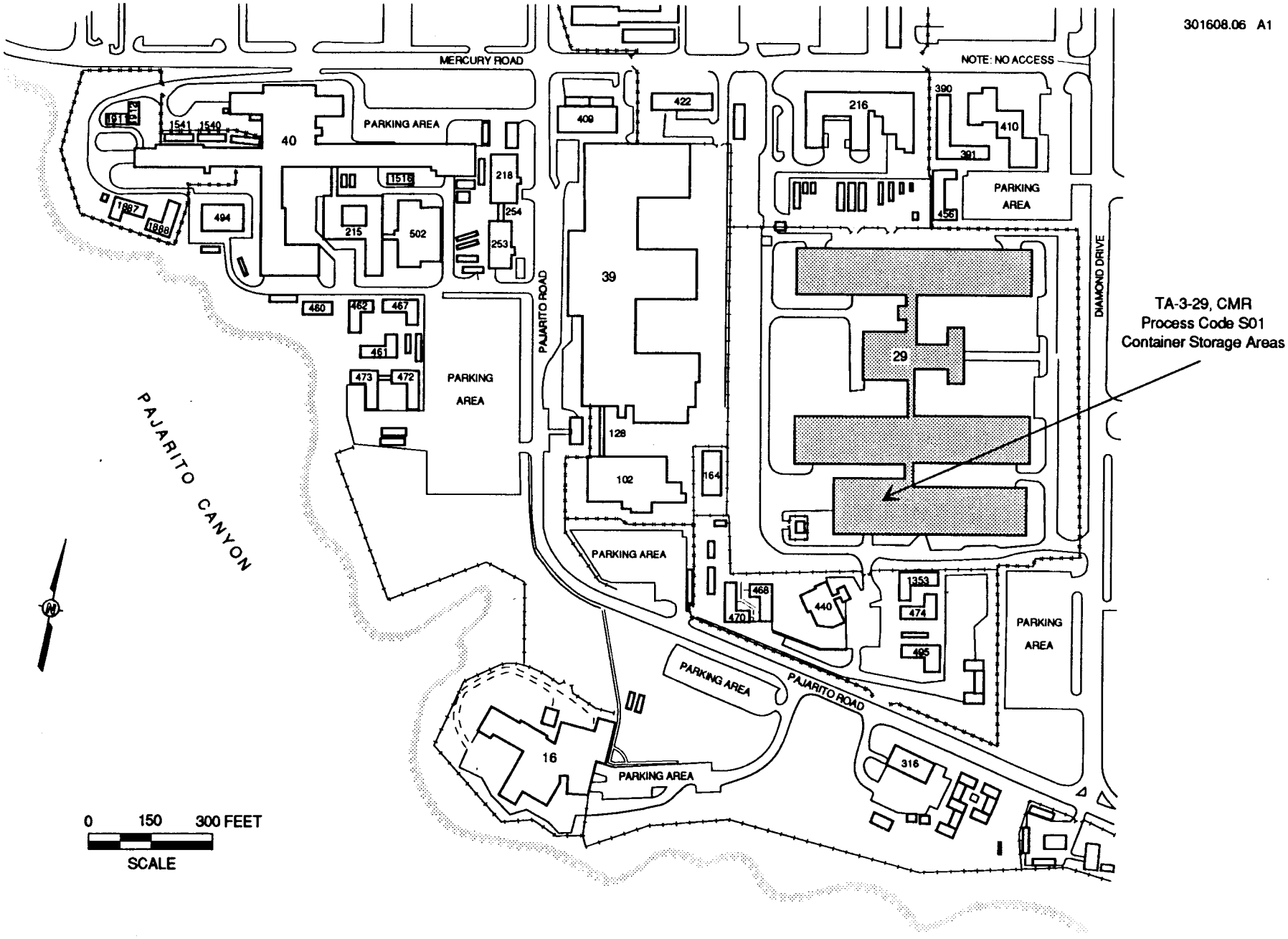


Figure 1
TA-3-29 - Site Location Plan

Figure 2
TA-3-29 CMR Building Basement Floor Plan

[This figure has been provided to the New Mexico Environment Department under separate cover as Unclassified Controlled Nuclear Information (UCNI) defined by Section 148 of the Atomic Energy Act.]

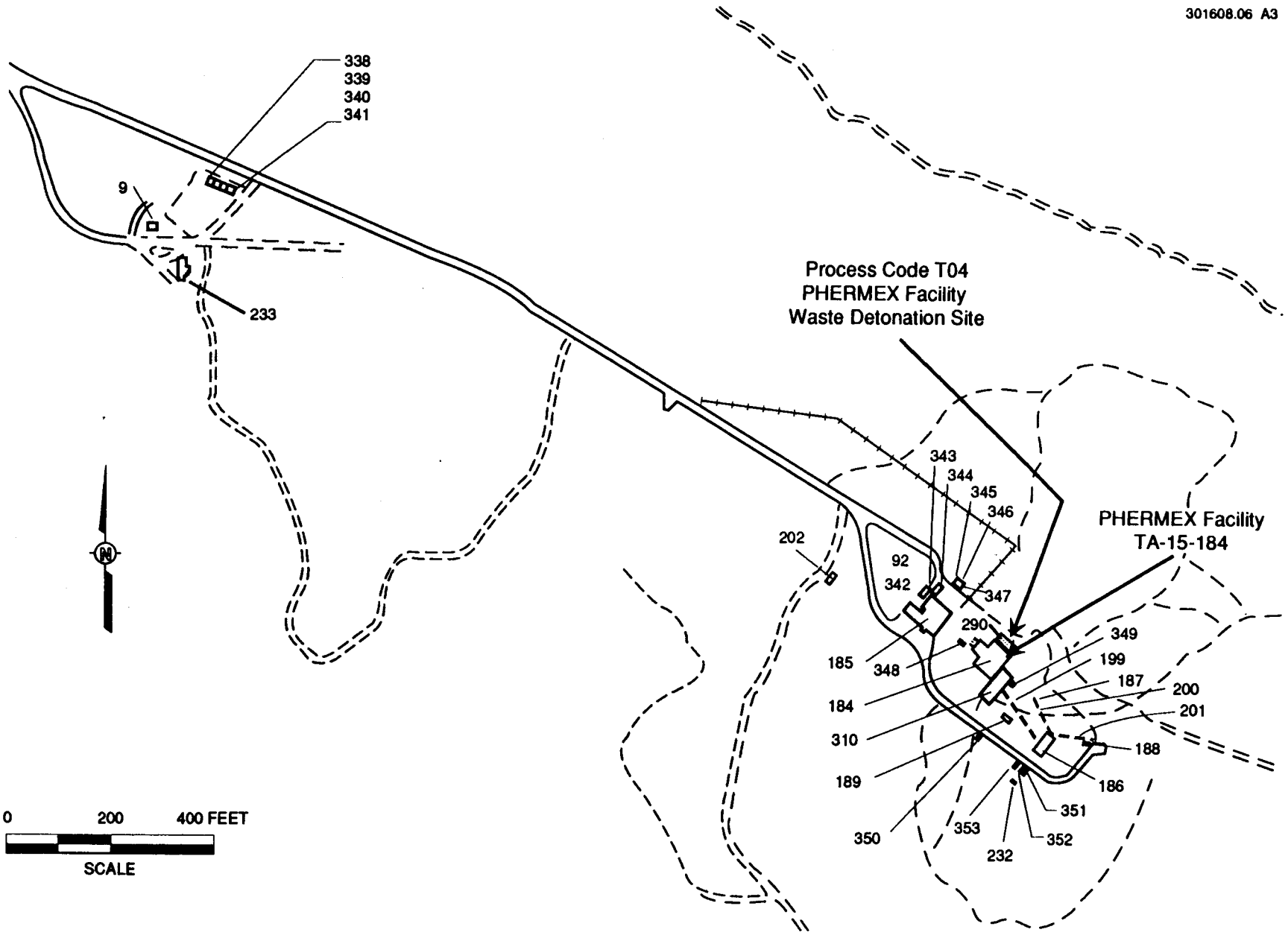


Figure 3
TA-15 - PHERMEX Facility

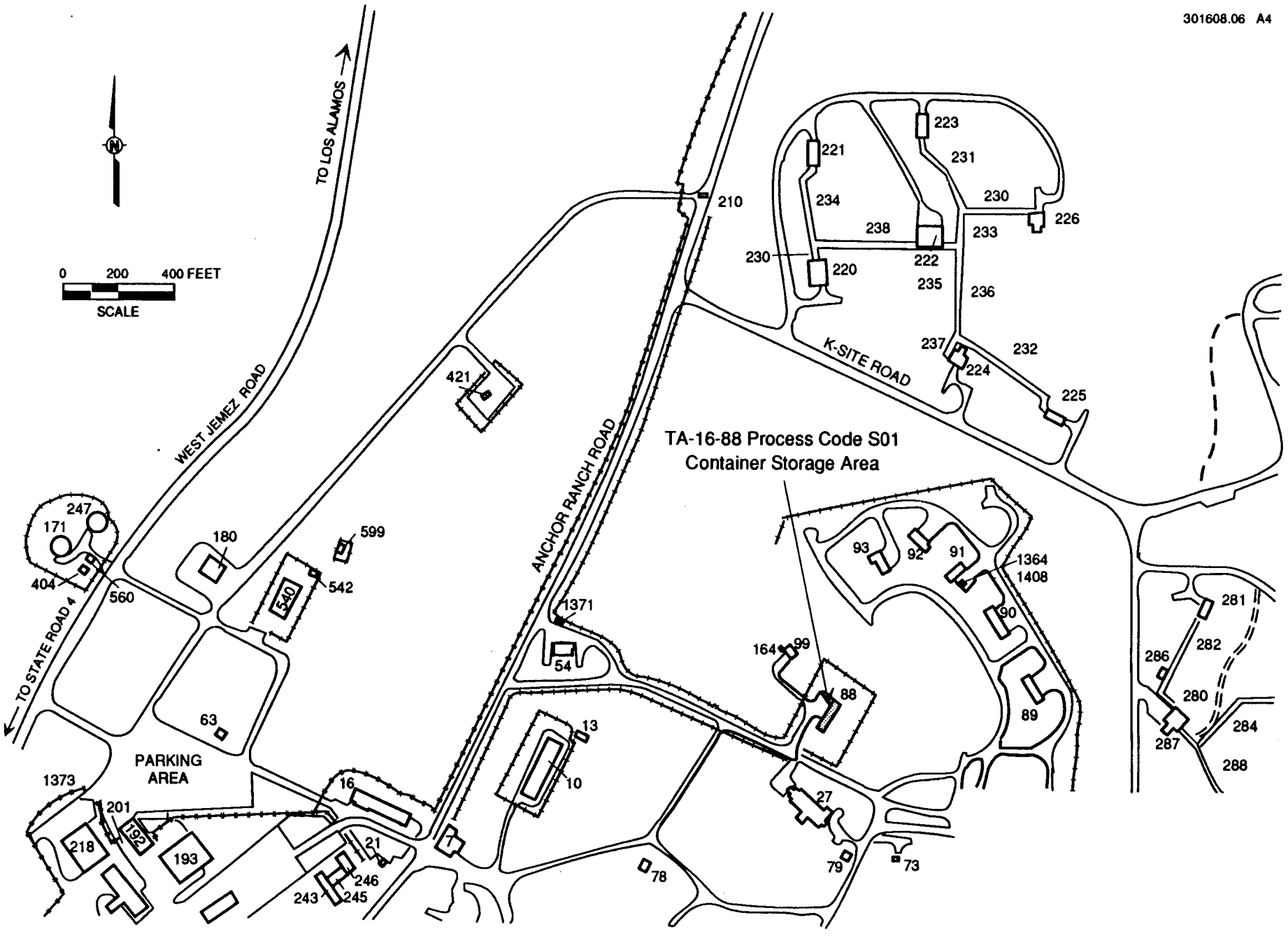


Figure 4
TA-16-88 - Site Location Plan

301608.06 A5

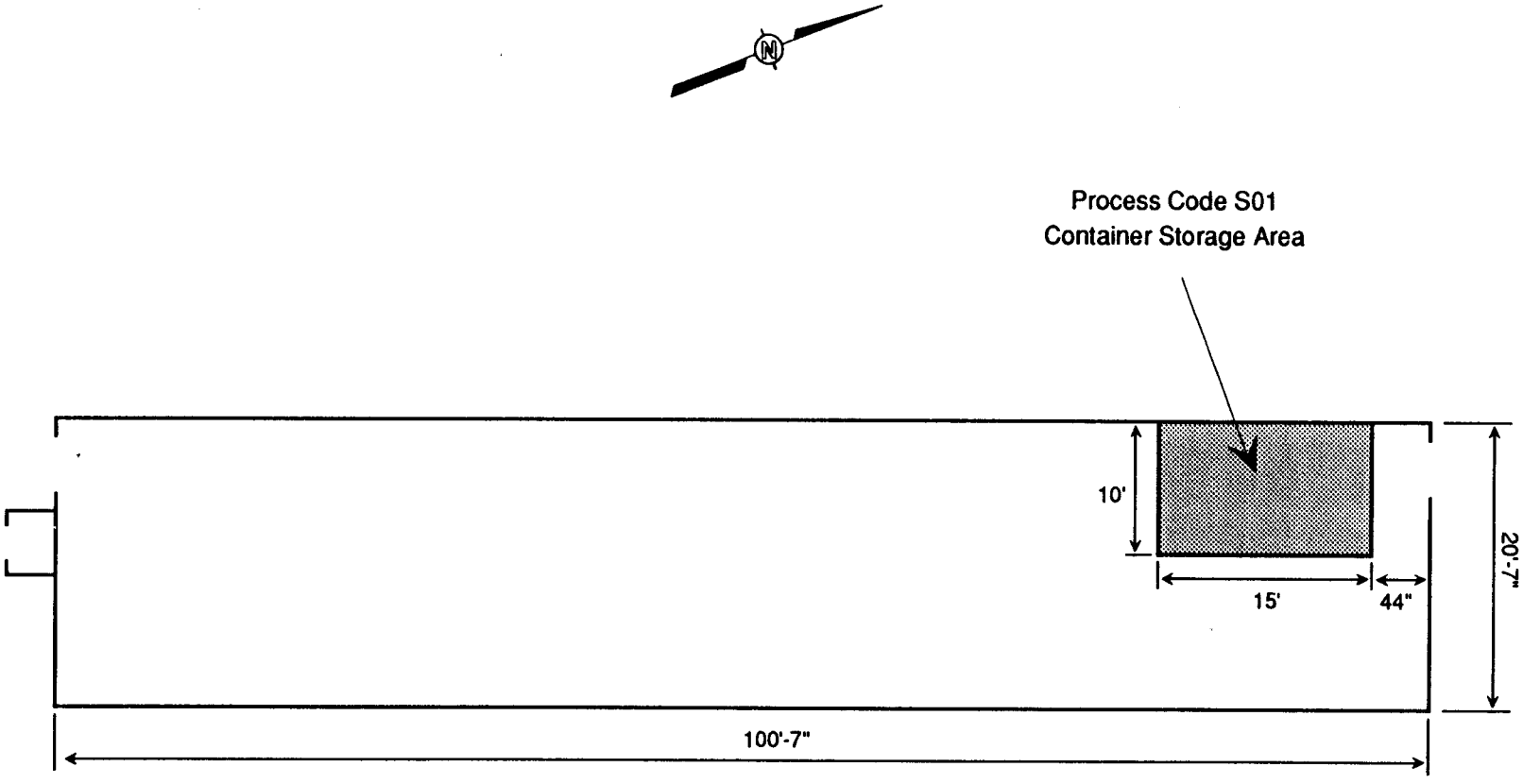


Figure 5
TA-16-88 - Container Storage Area

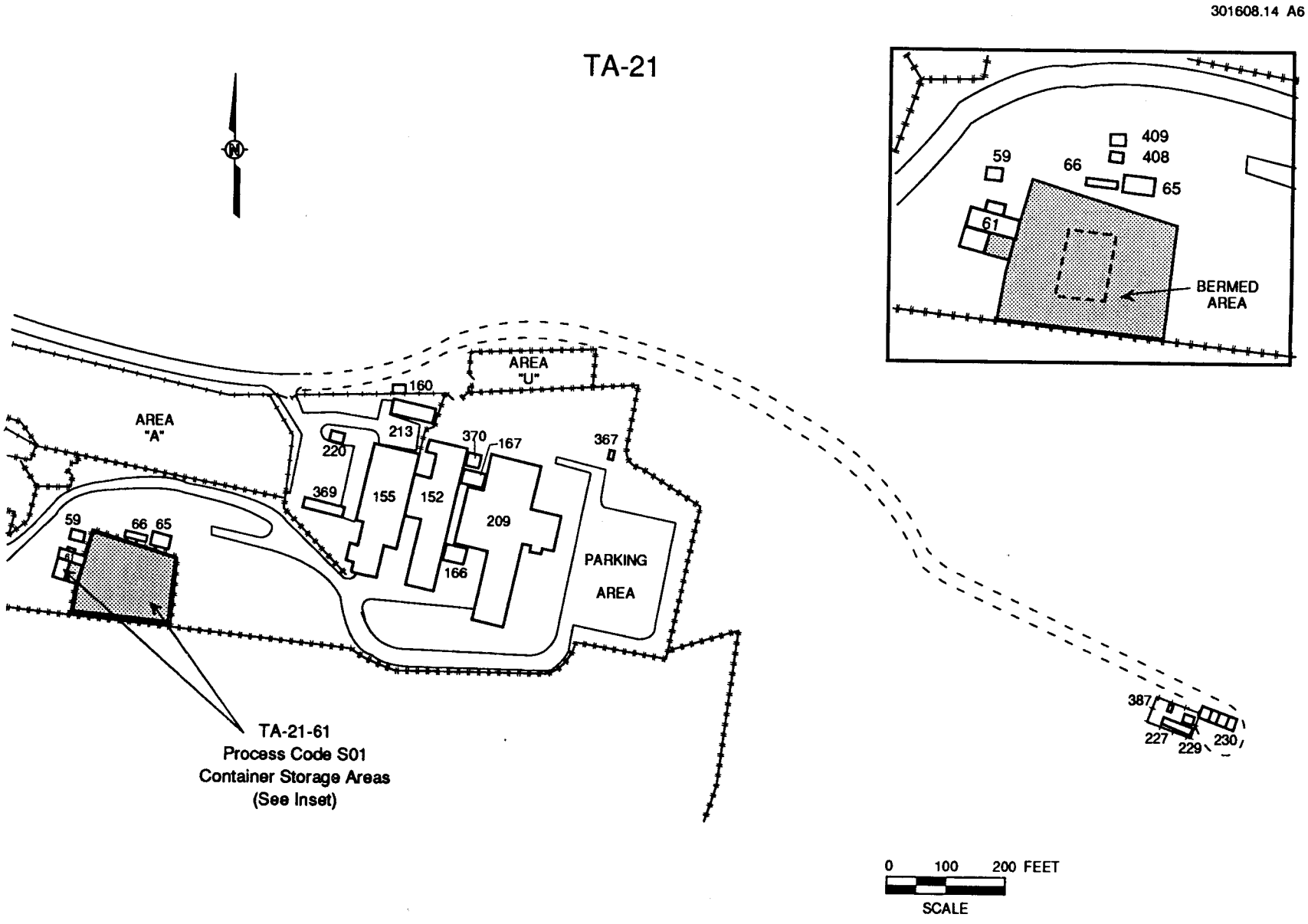


Figure 6
TA-21 - Site Location Map and Container Storage Areas

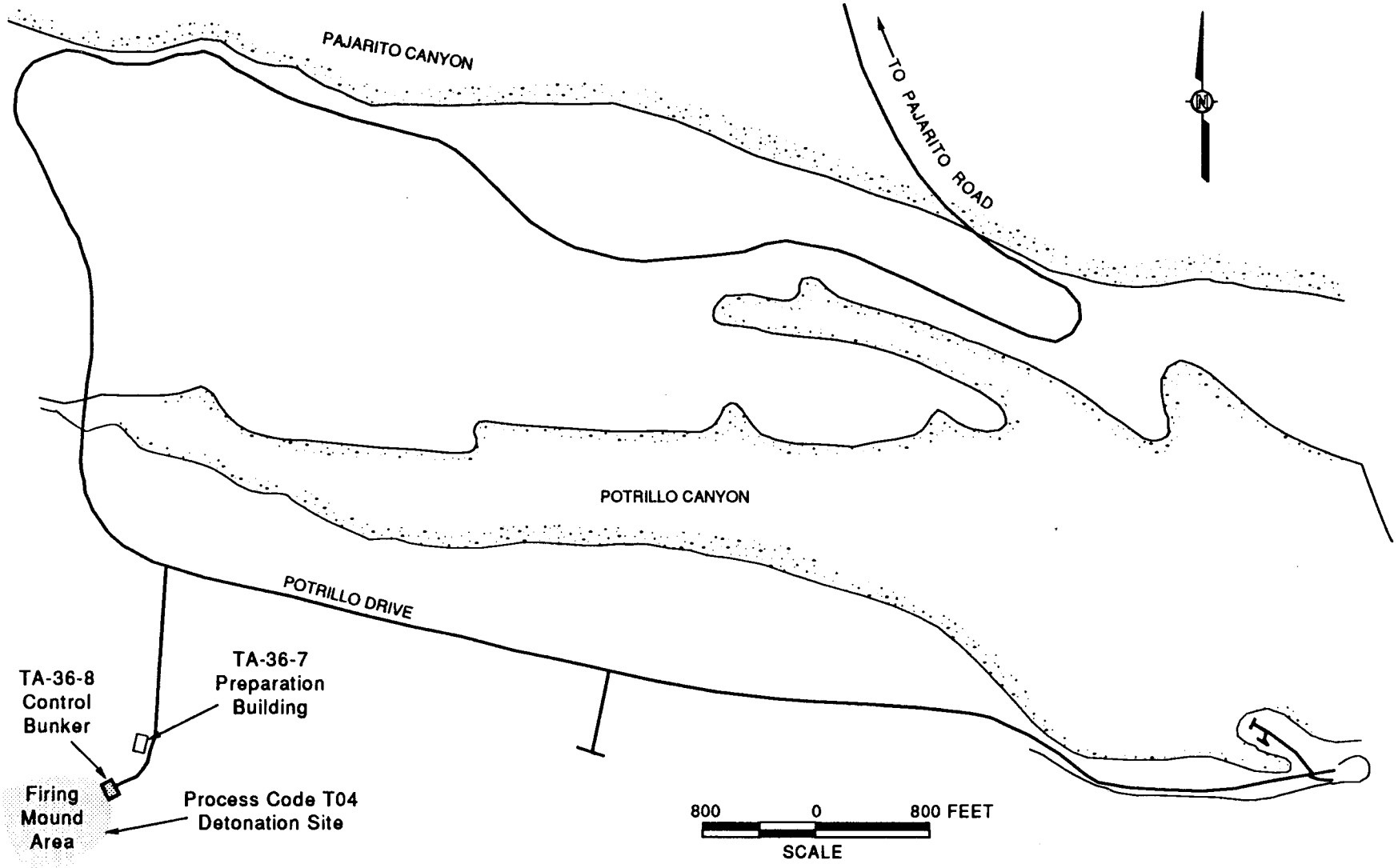


Figure 7
TA-36 - Minie Site

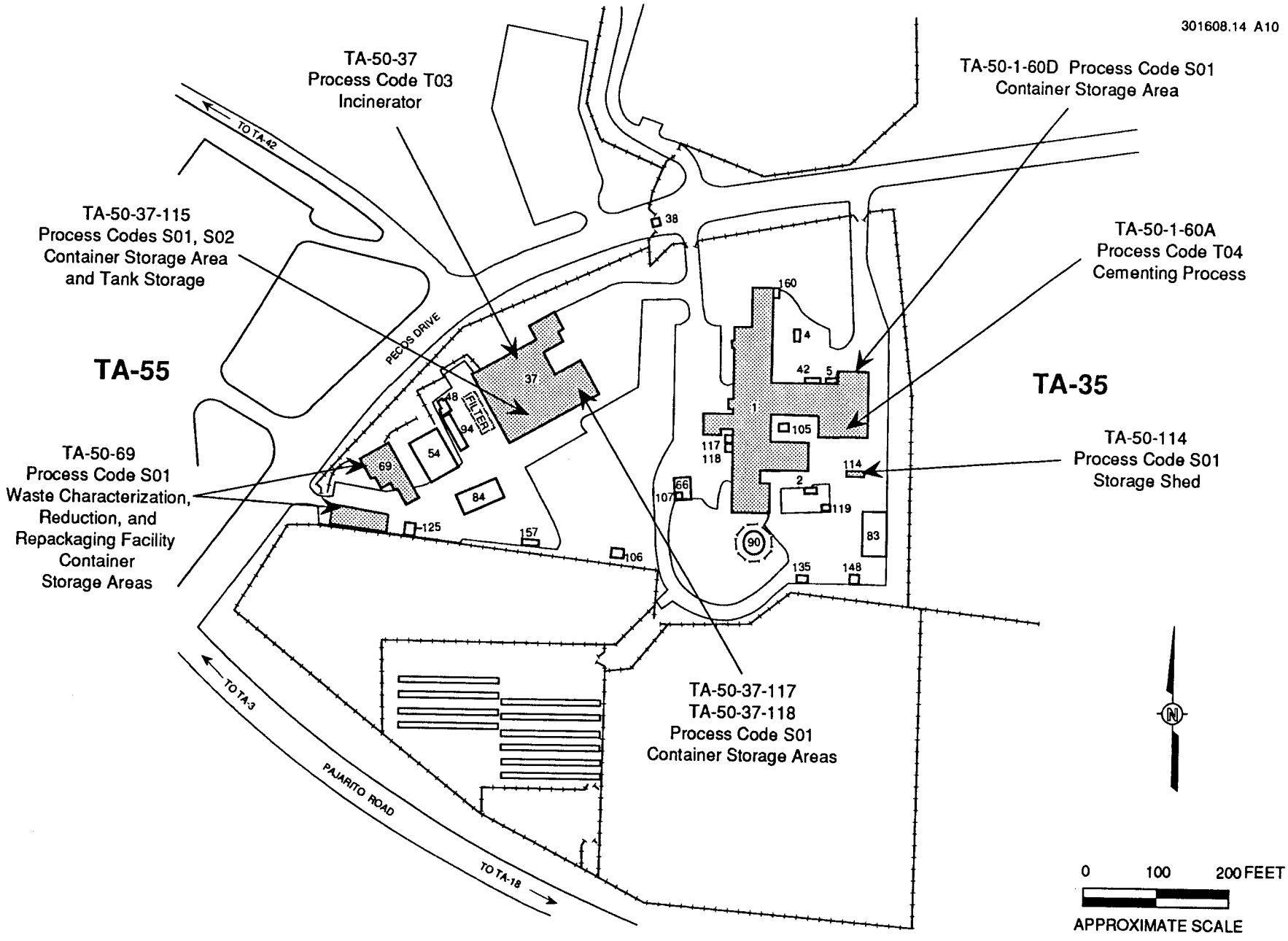


Figure 8
TA-50 - Site Location Plan

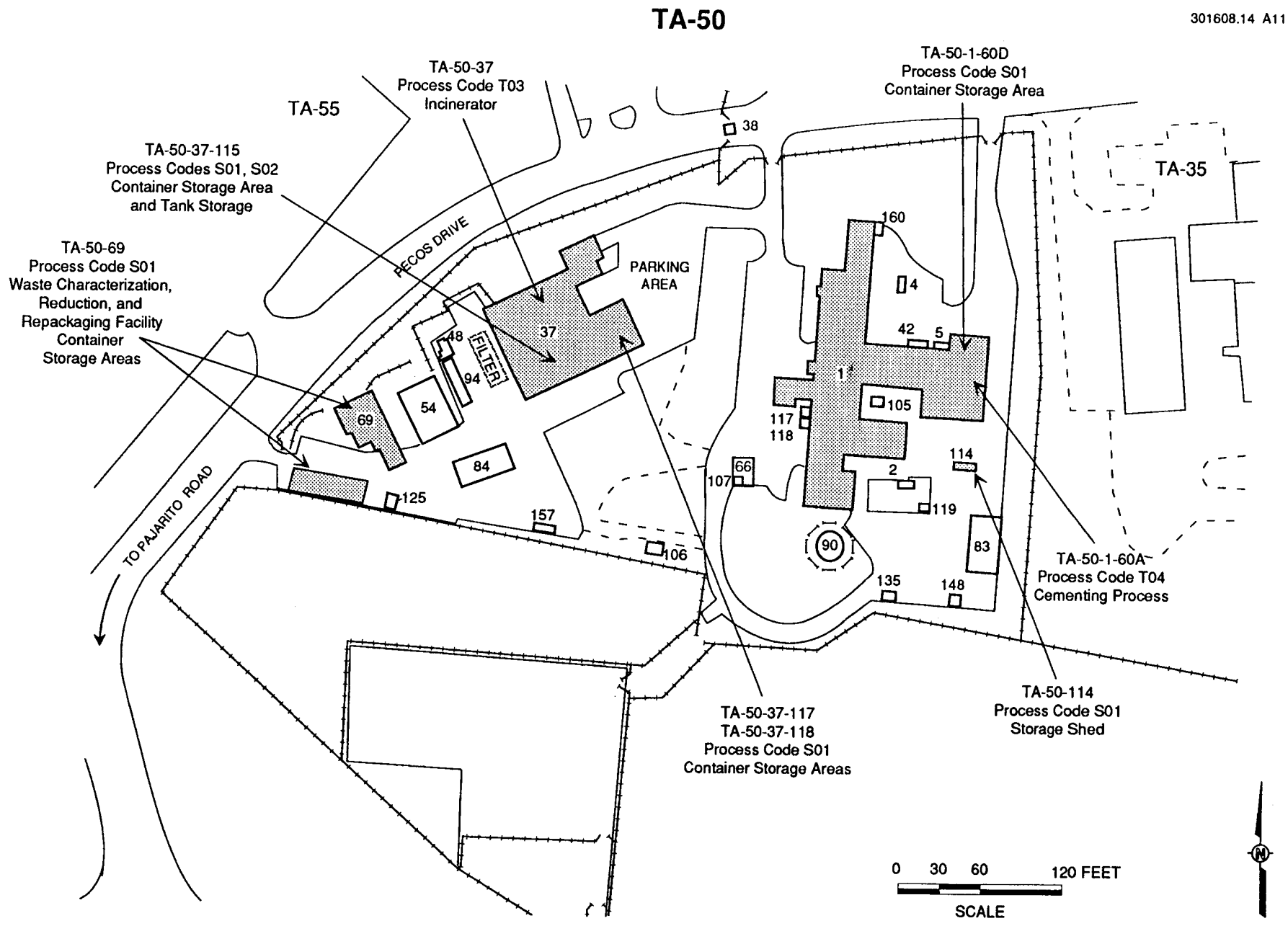


Figure 9
TA-50-1, -37, -69, -114 - Site Location Map

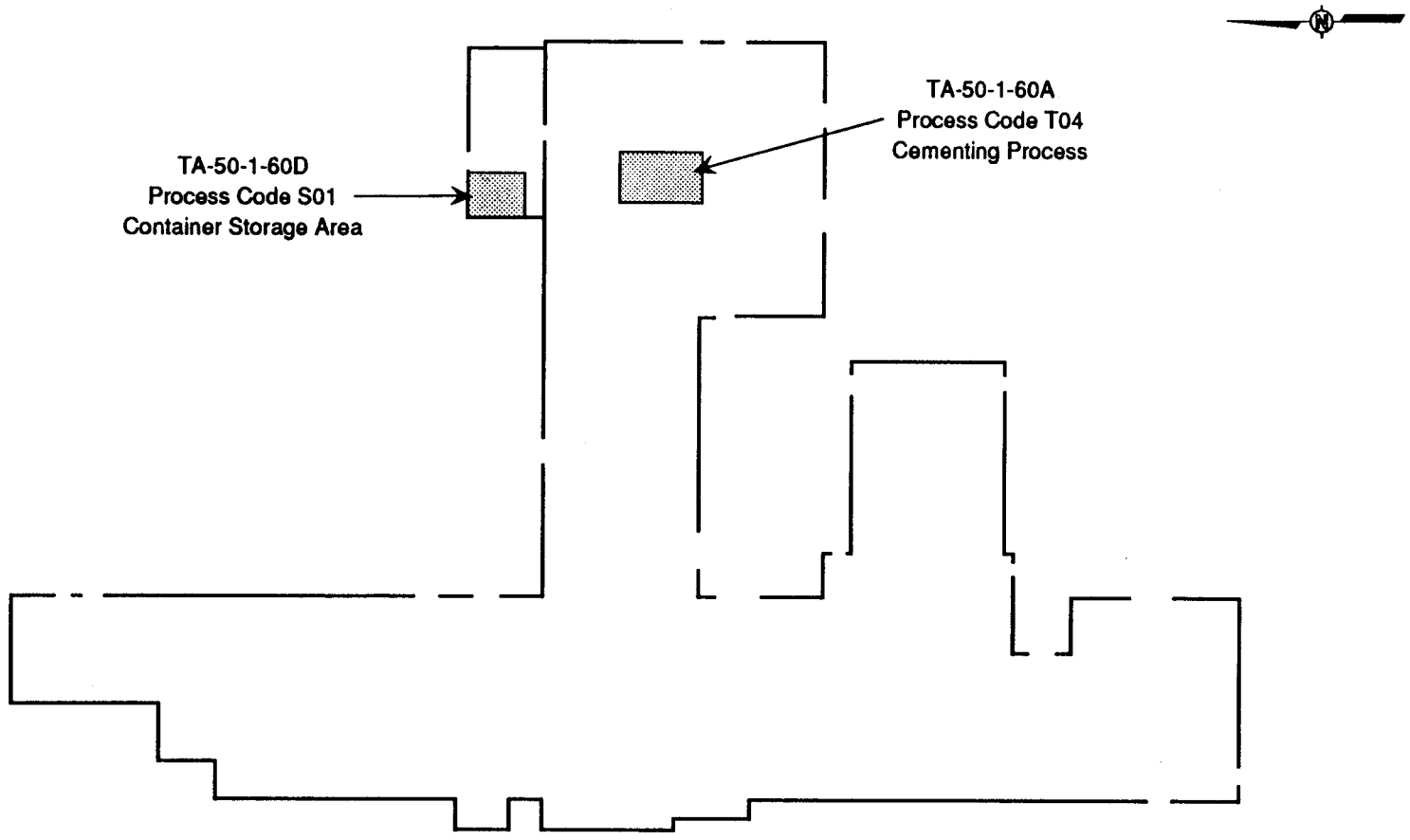


Figure 10
TA-50-1 - Floor Plan and Container Storage Area Location

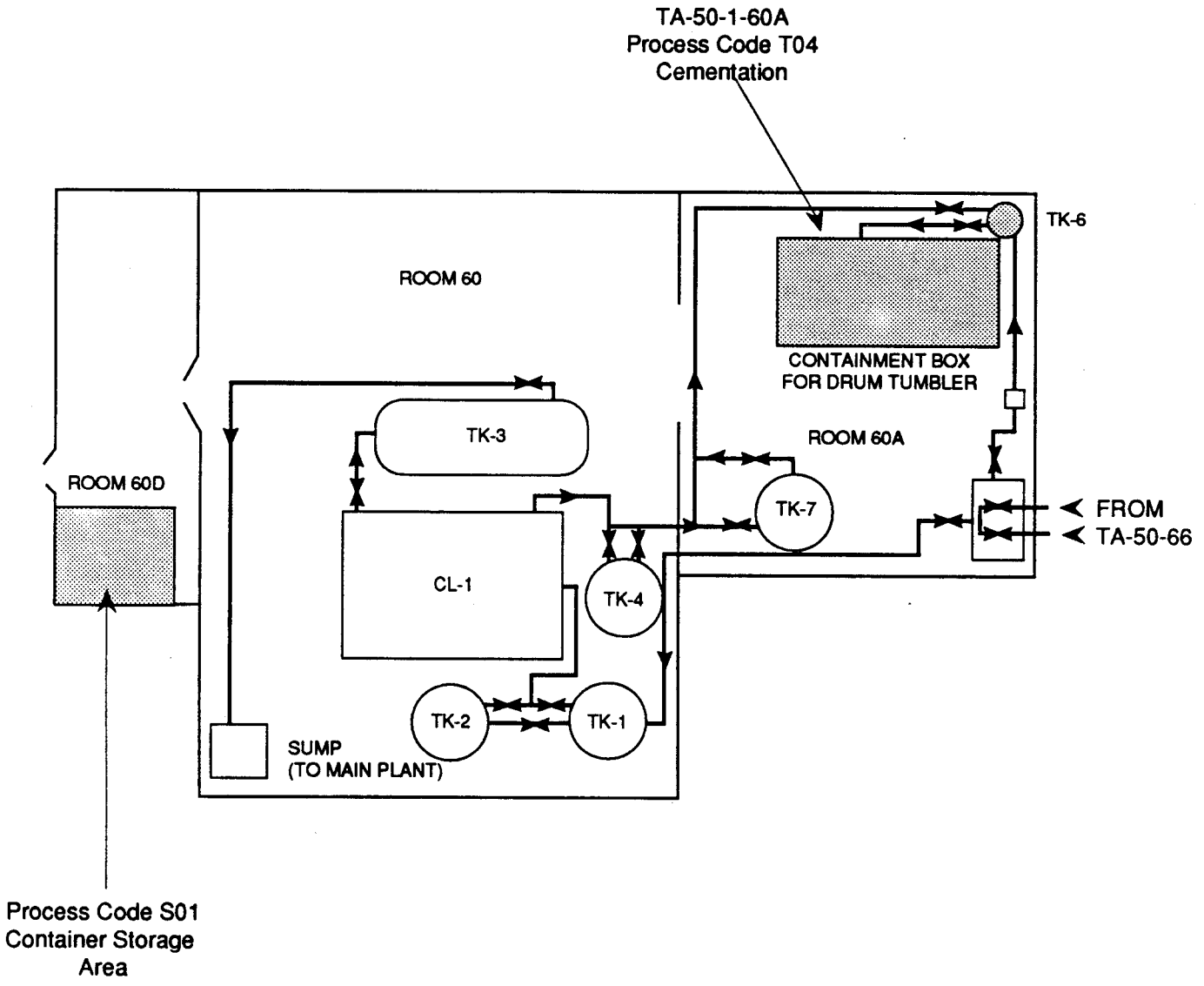


Figure 11
TA-50-1 - Room 60, 60A and 60D Detail

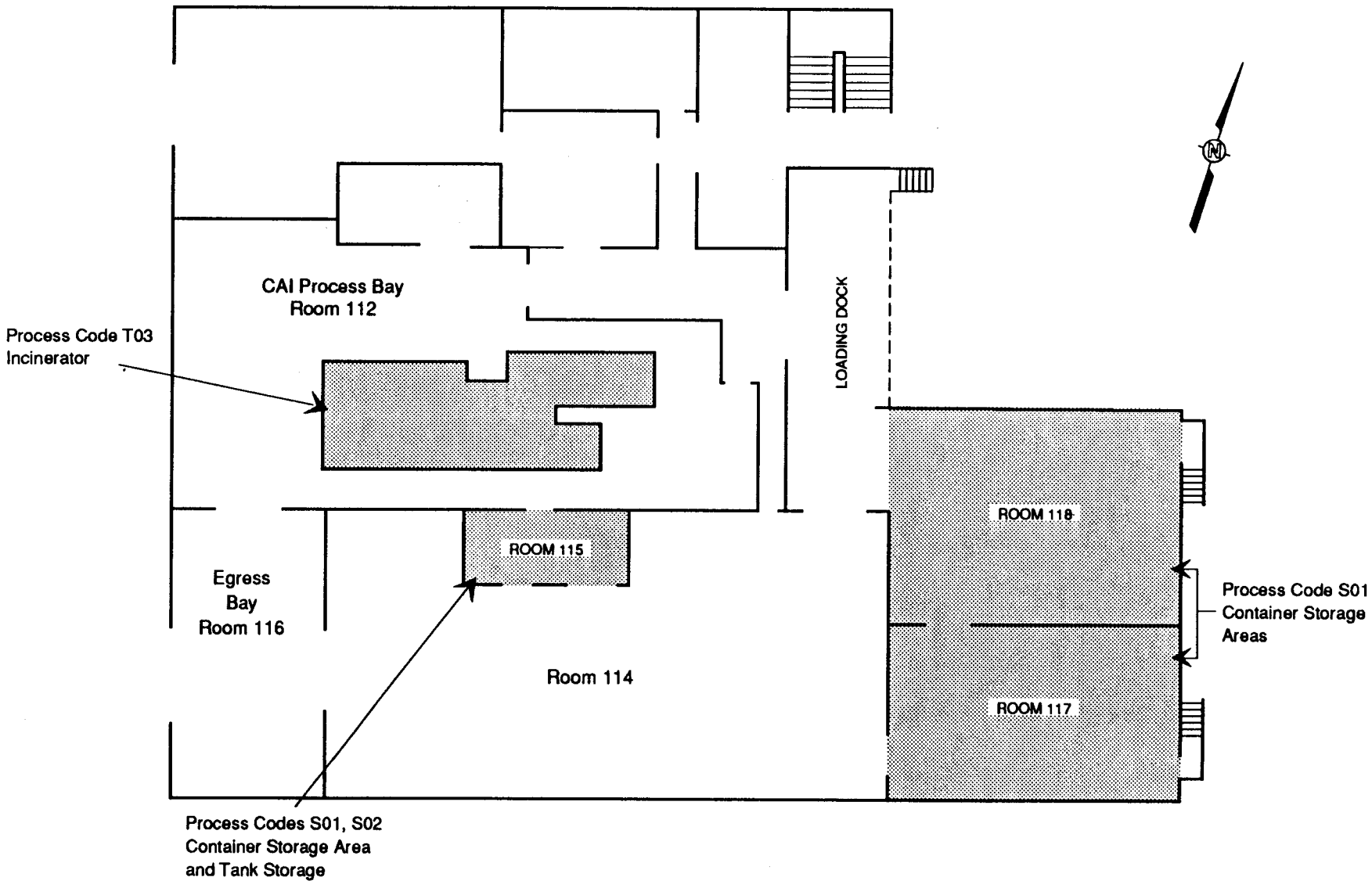


Figure 12
TA-50-37 - Incinerator Complex Floor Plan

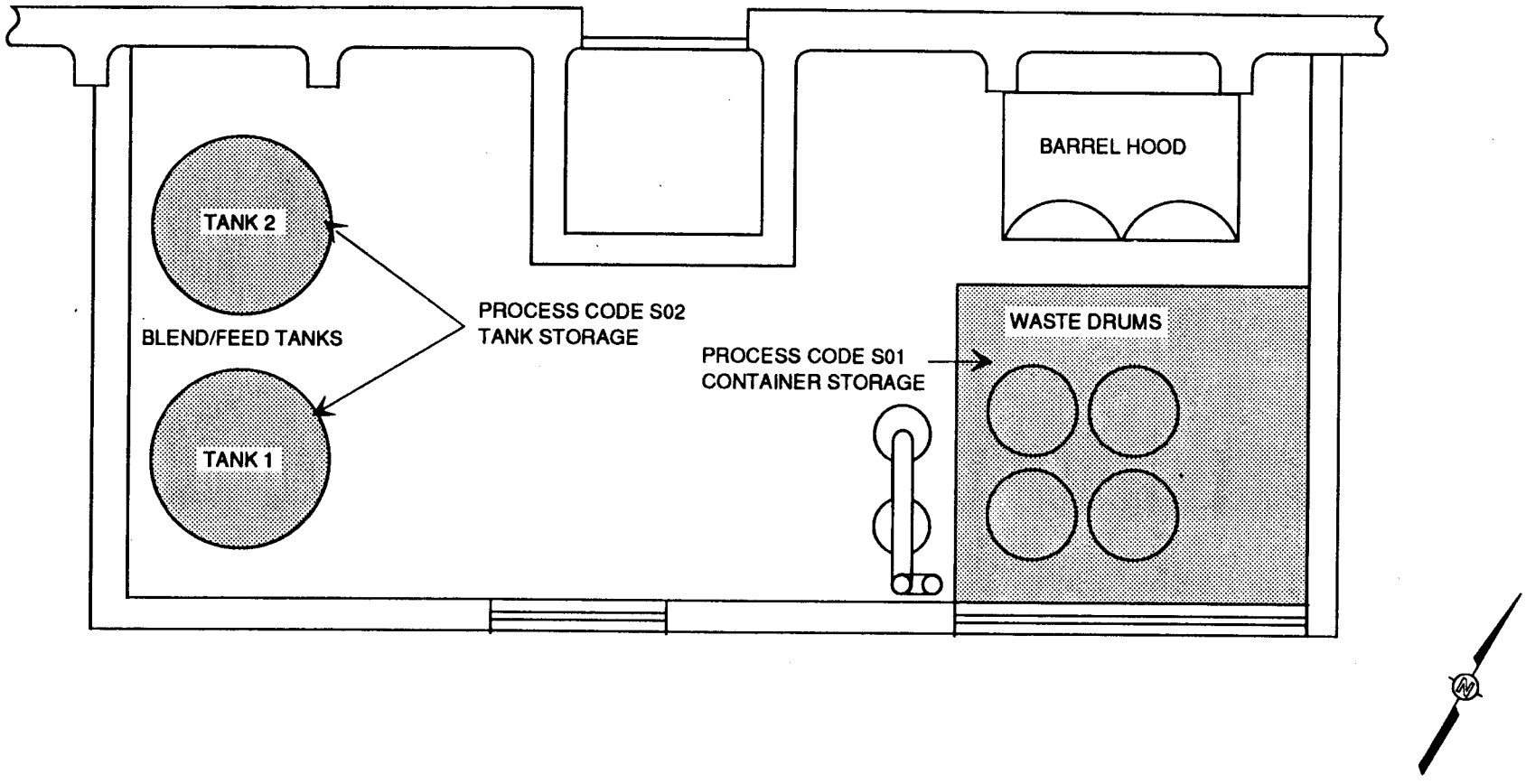
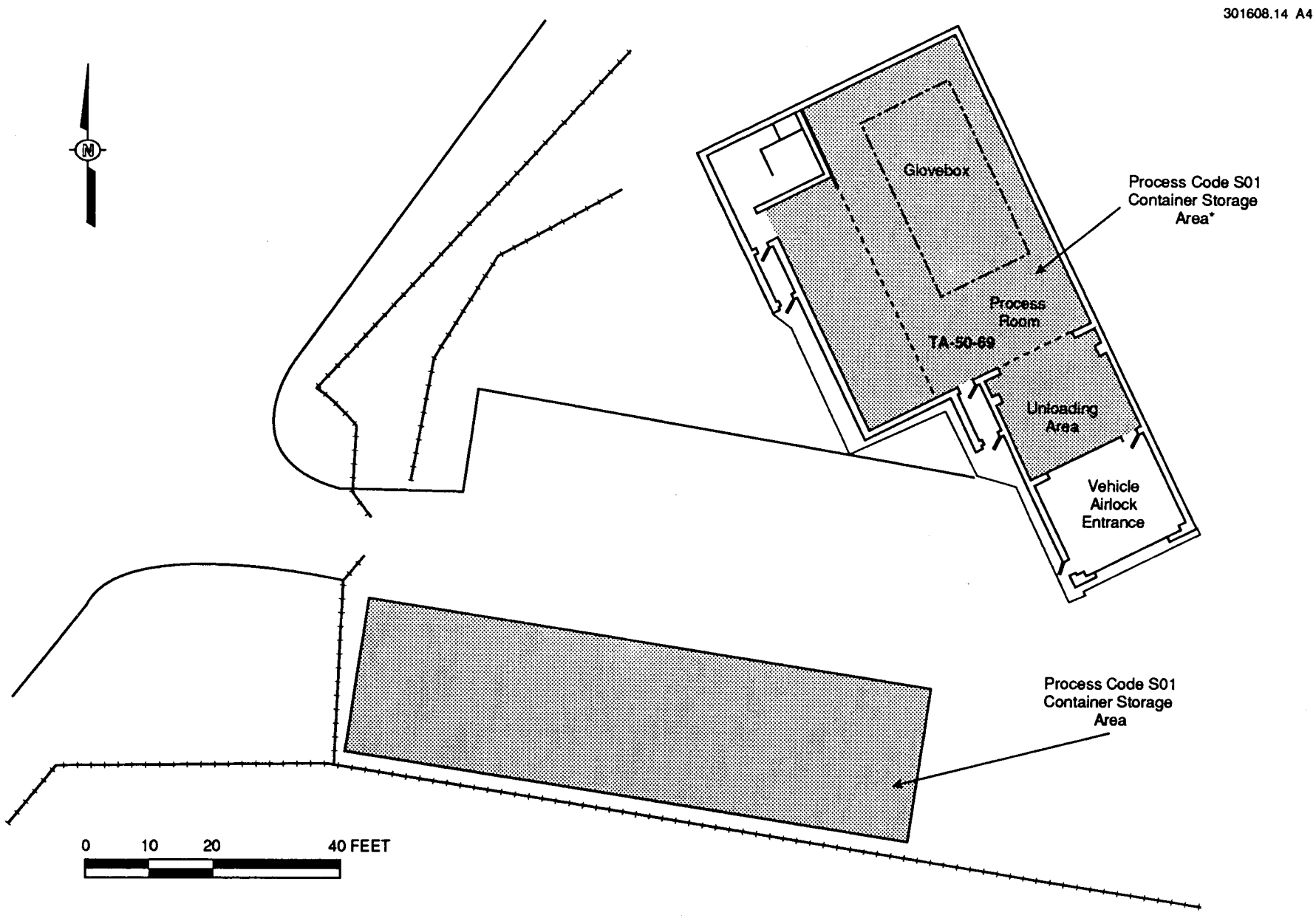


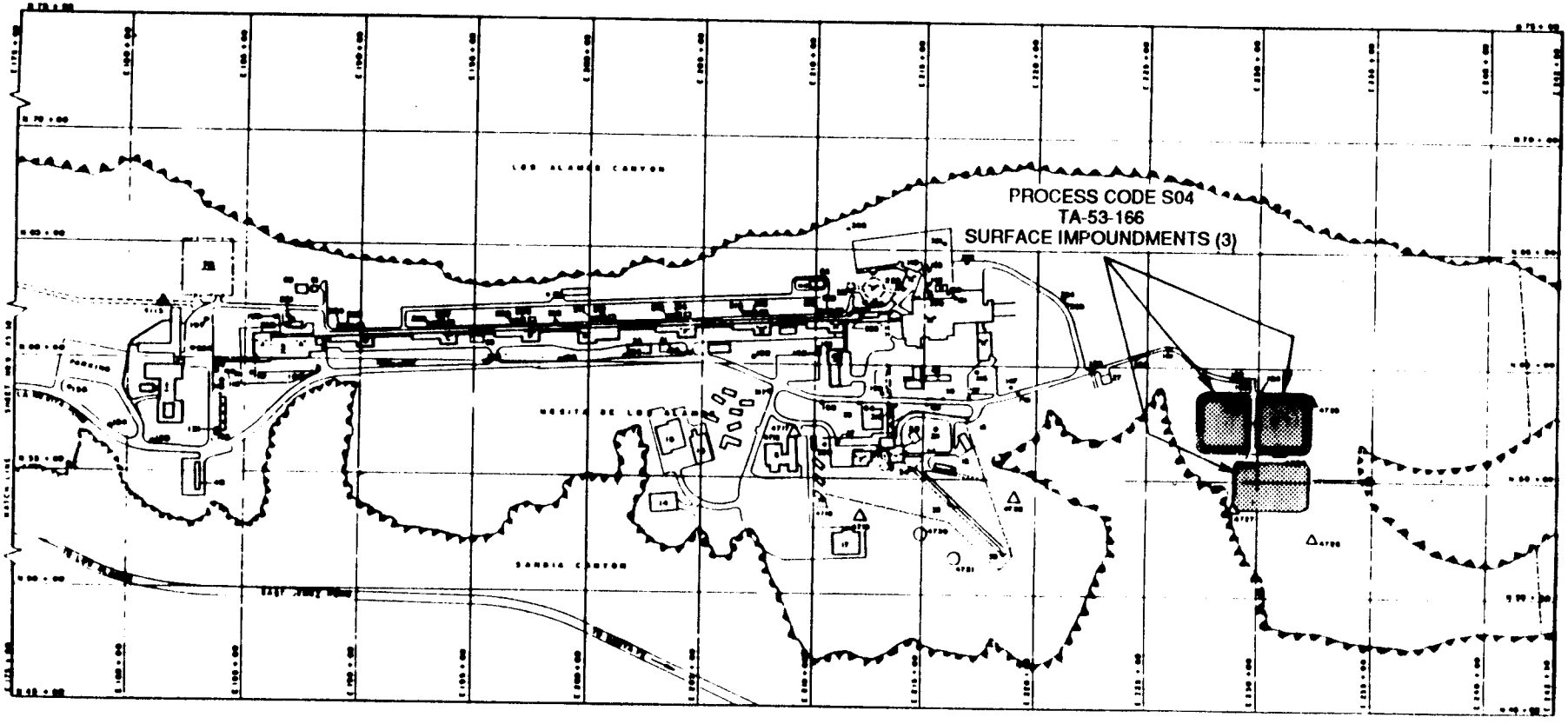
Figure 13
TA-50-37-115 - Liquid Feed Preparation Area Floor Plan



*Note: Container Storage Area in Building 69 does not include mezzanine.

Figure 14

TA-50-69 - Waste Characterization, Reduction, and Repackaging Facility Container Storage Areas



0 500 1000 FT

SCALE

Figure 15
TA-53 - Site Location Plan

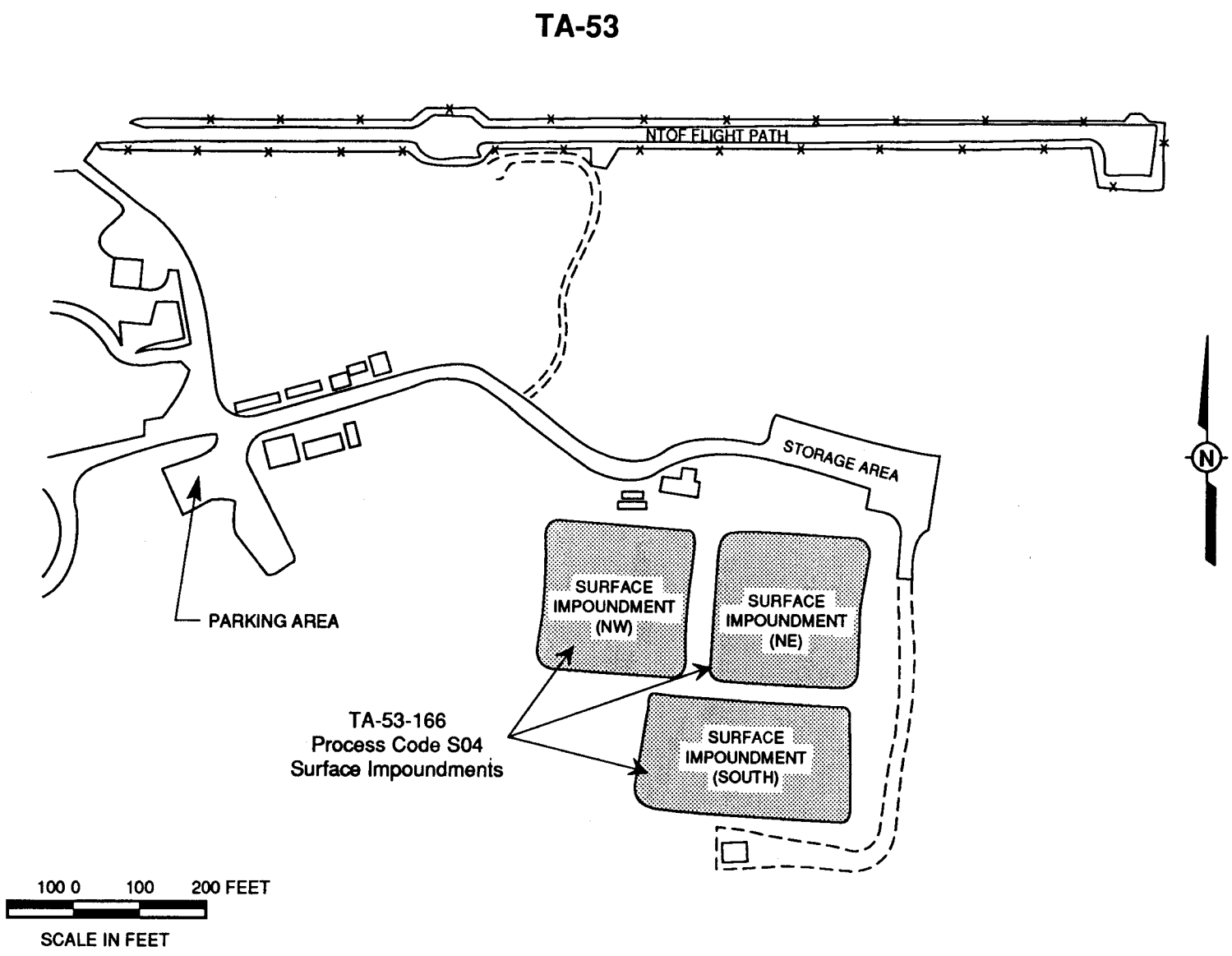


Figure 16
TA-53-166 - Surface Impoundments

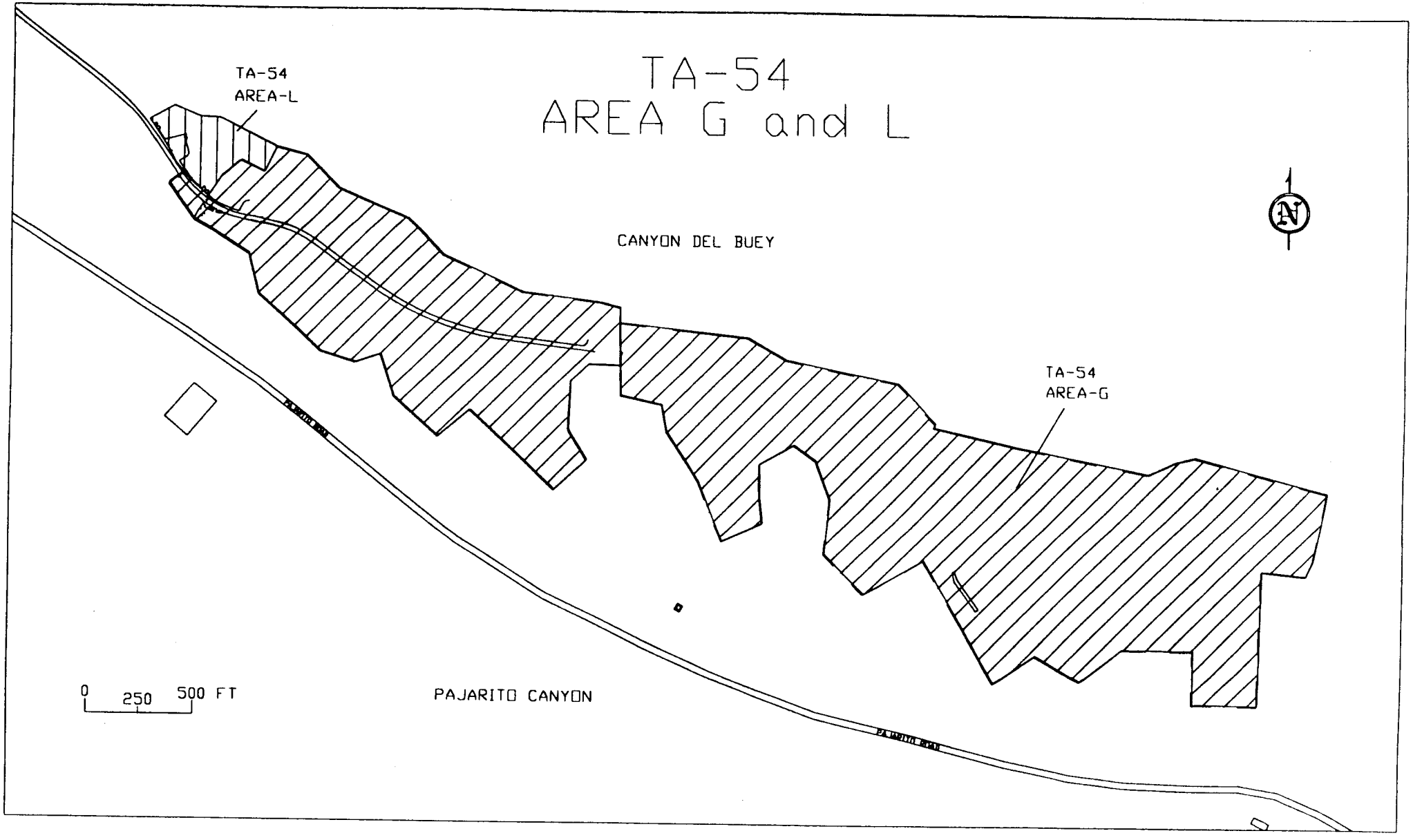


Figure 17
TA-54 - Site Location Plan

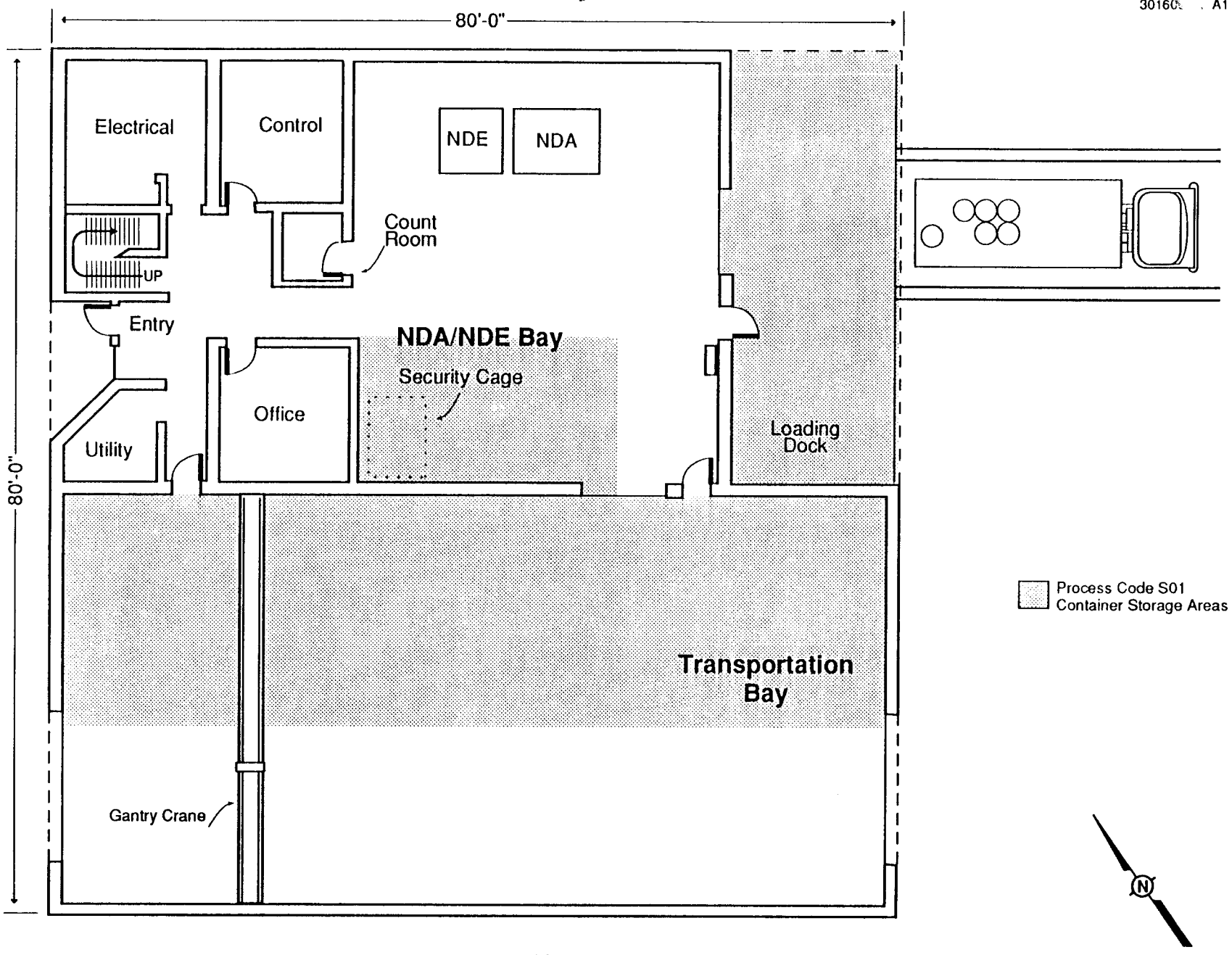


Figure 17a

TA-54-38 - Nondestructive Assay/Nondestructive Examination (NDA/NDE) Facility First Floor Plan

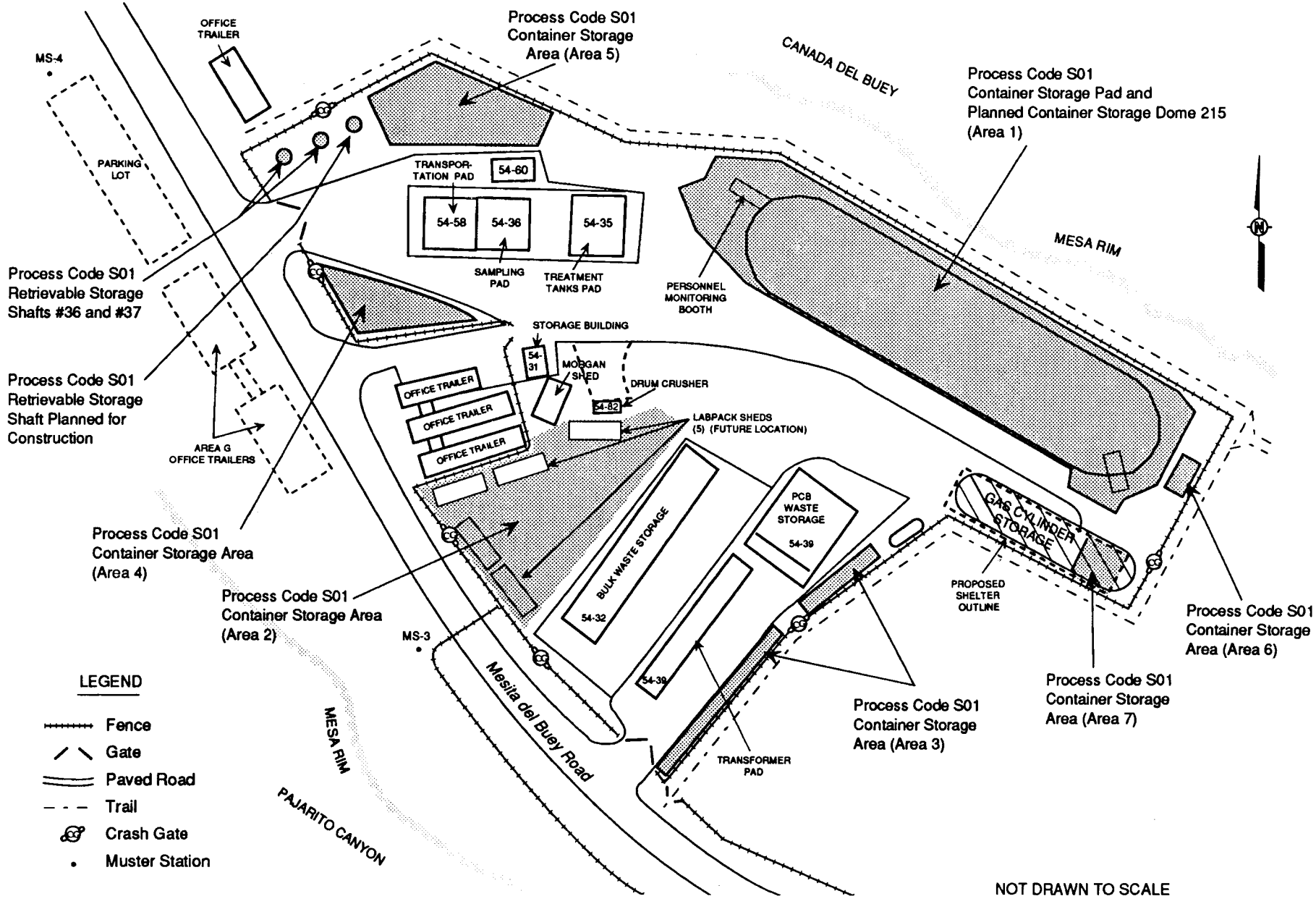


Figure 18
TA-54 - Area L

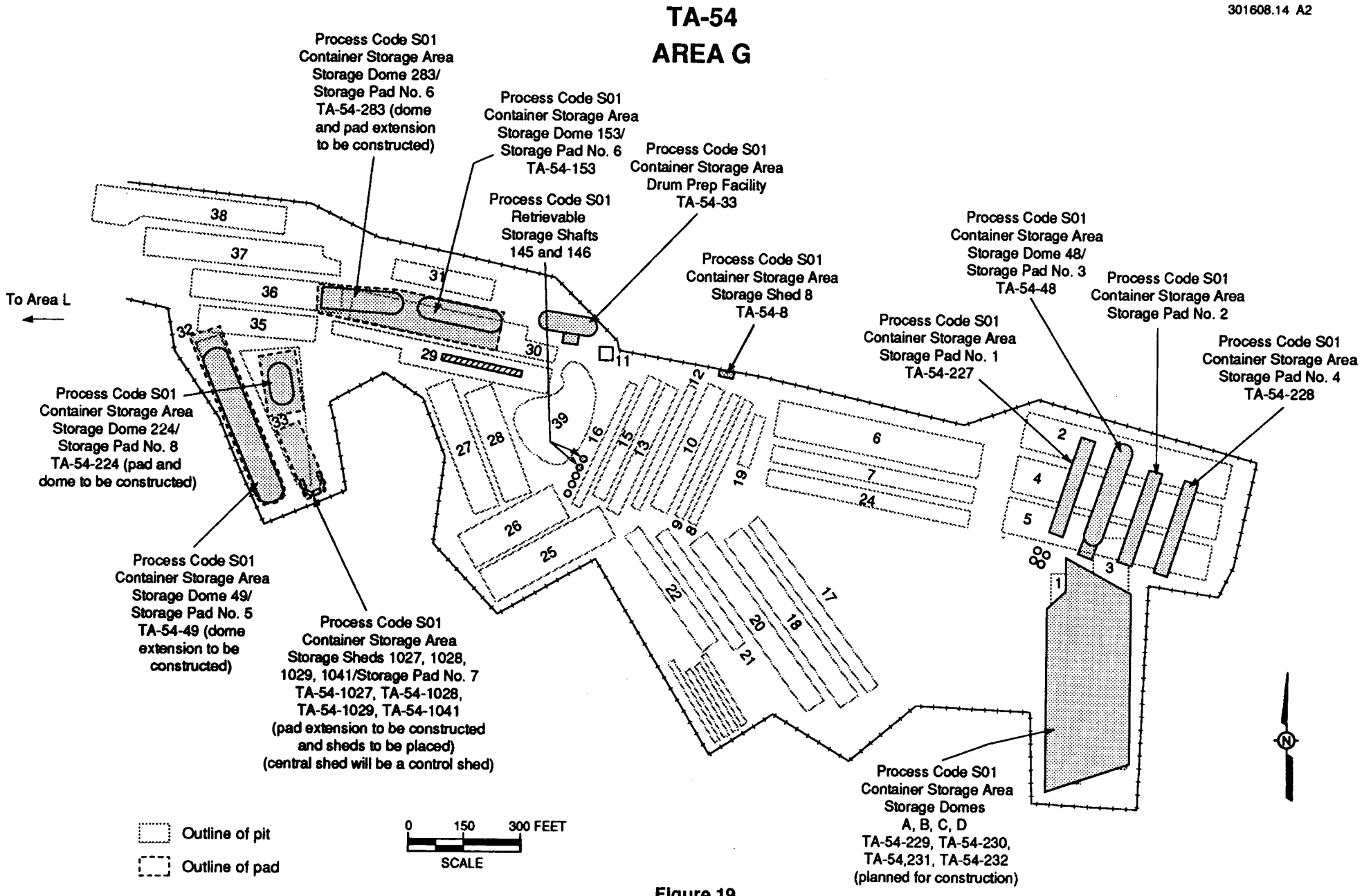


Figure 19
TA-54 - Area G

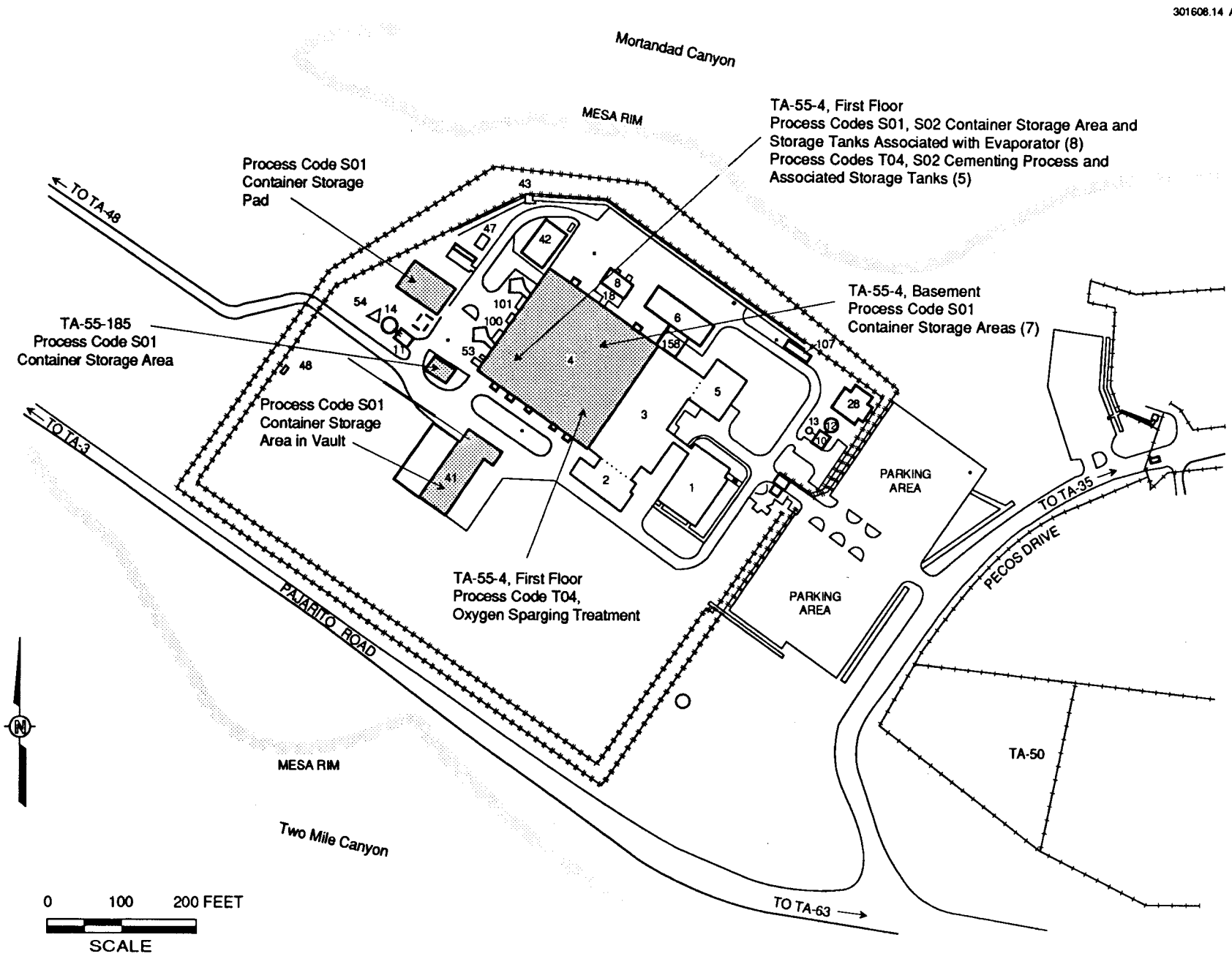


Figure 20
TA-55 - Site Location Plan

Figure 21
TA-55-4 – Basement Floor Plan

[This figure has been provided to the New Mexico Environment Department under separate cover as Unclassified Controlled Nuclear Information (UCNI) defined by Section 148 of the Atomic Energy Act.]

Figure 22
TA-55-4 – First Floor Plan

[This figure has been provided to the New Mexico Environment Department under separate cover as Unclassified Controlled Nuclear Information (UCNI) defined by Section 148 of the Atomic Energy Act.]

Figure 22a
TA-55-185 –Floor Plan

[This figure has been provided to the New Mexico Environment Department under separate cover as Unclassified Controlled Nuclear Information (UCNI) defined by Section 148 of the Atomic Energy Act.]

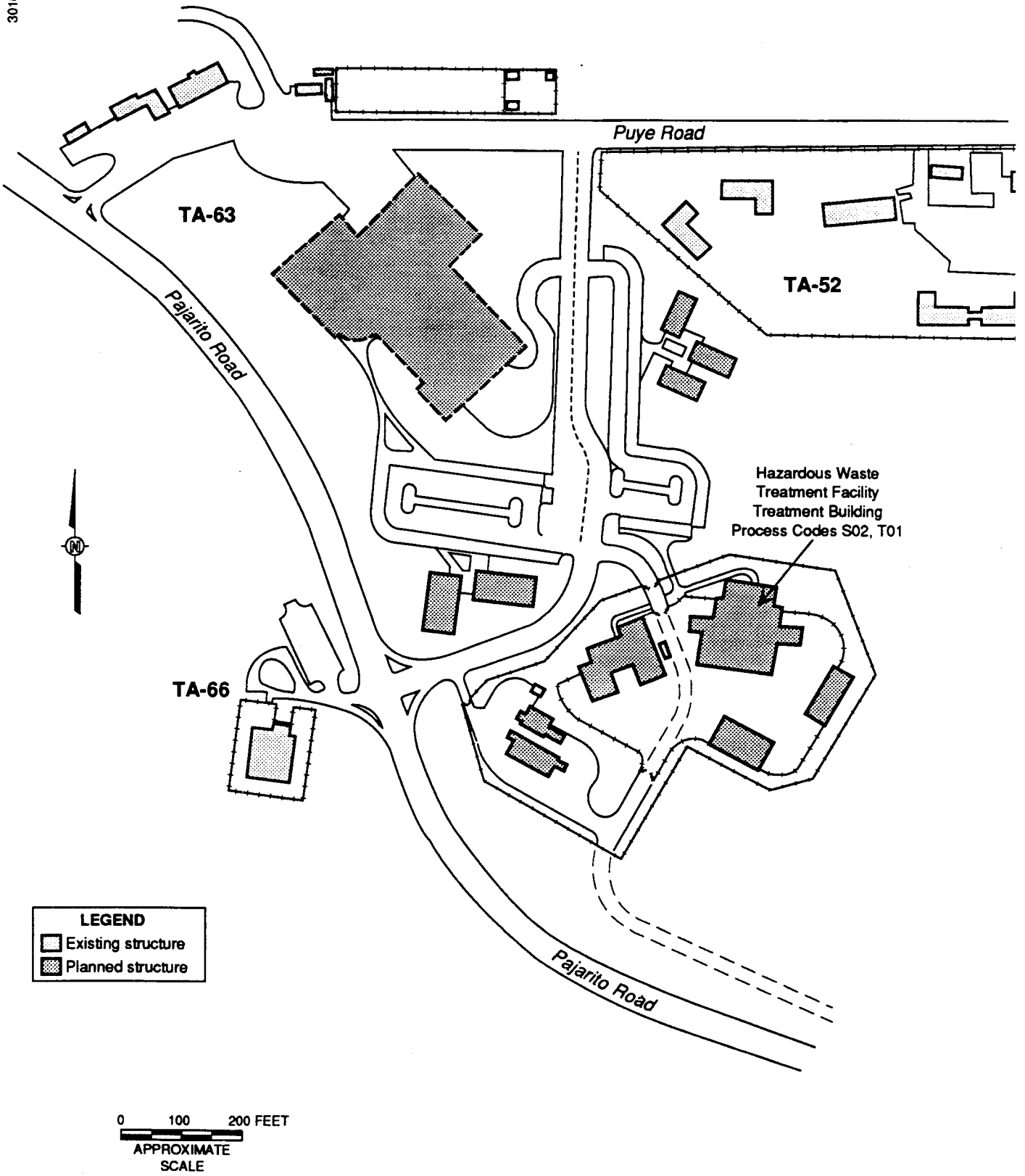
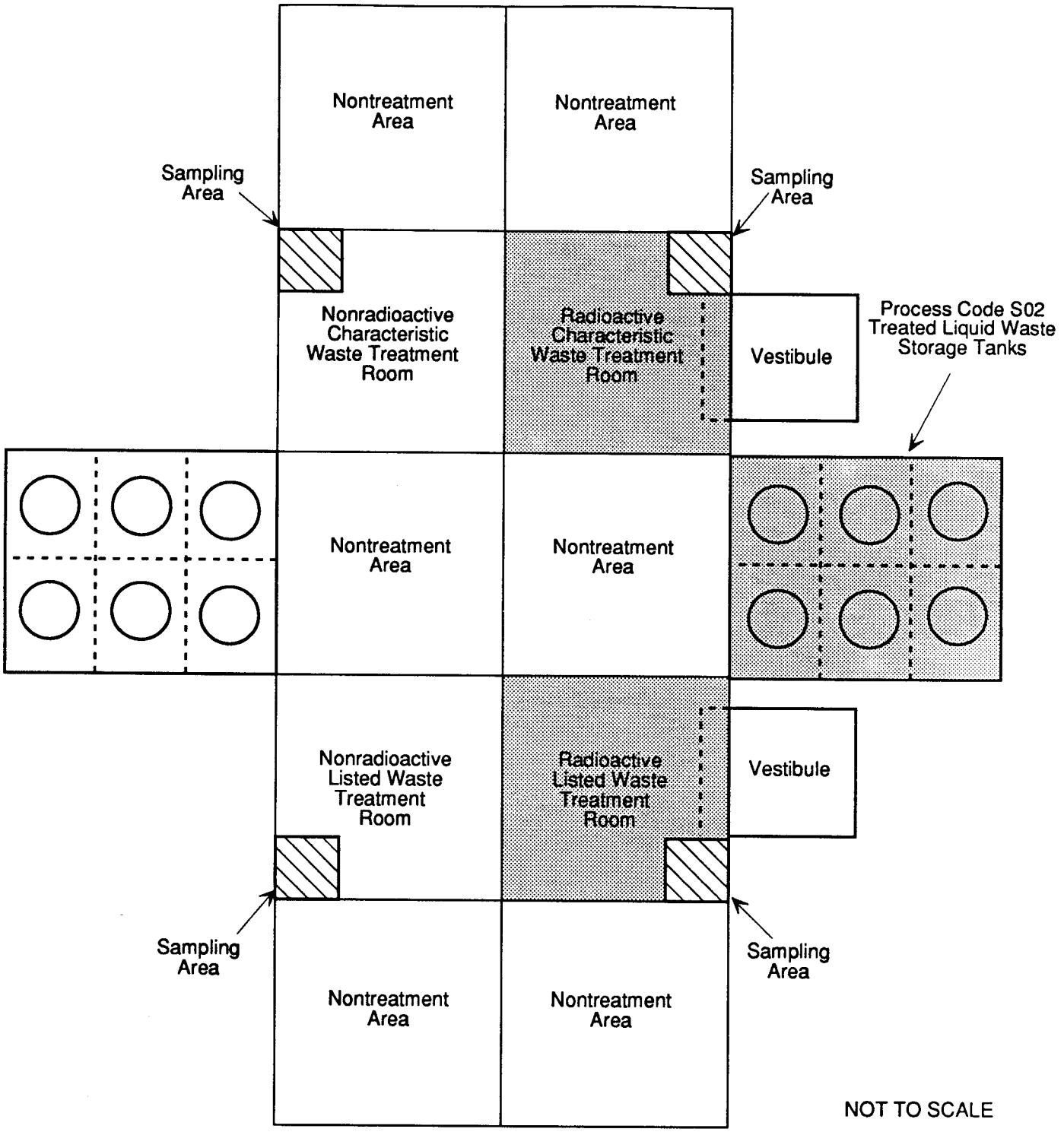


Figure 23
TA-63 - Hazardous Waste Treatment Facility
Conceptual Site Plan

301608.14 A27

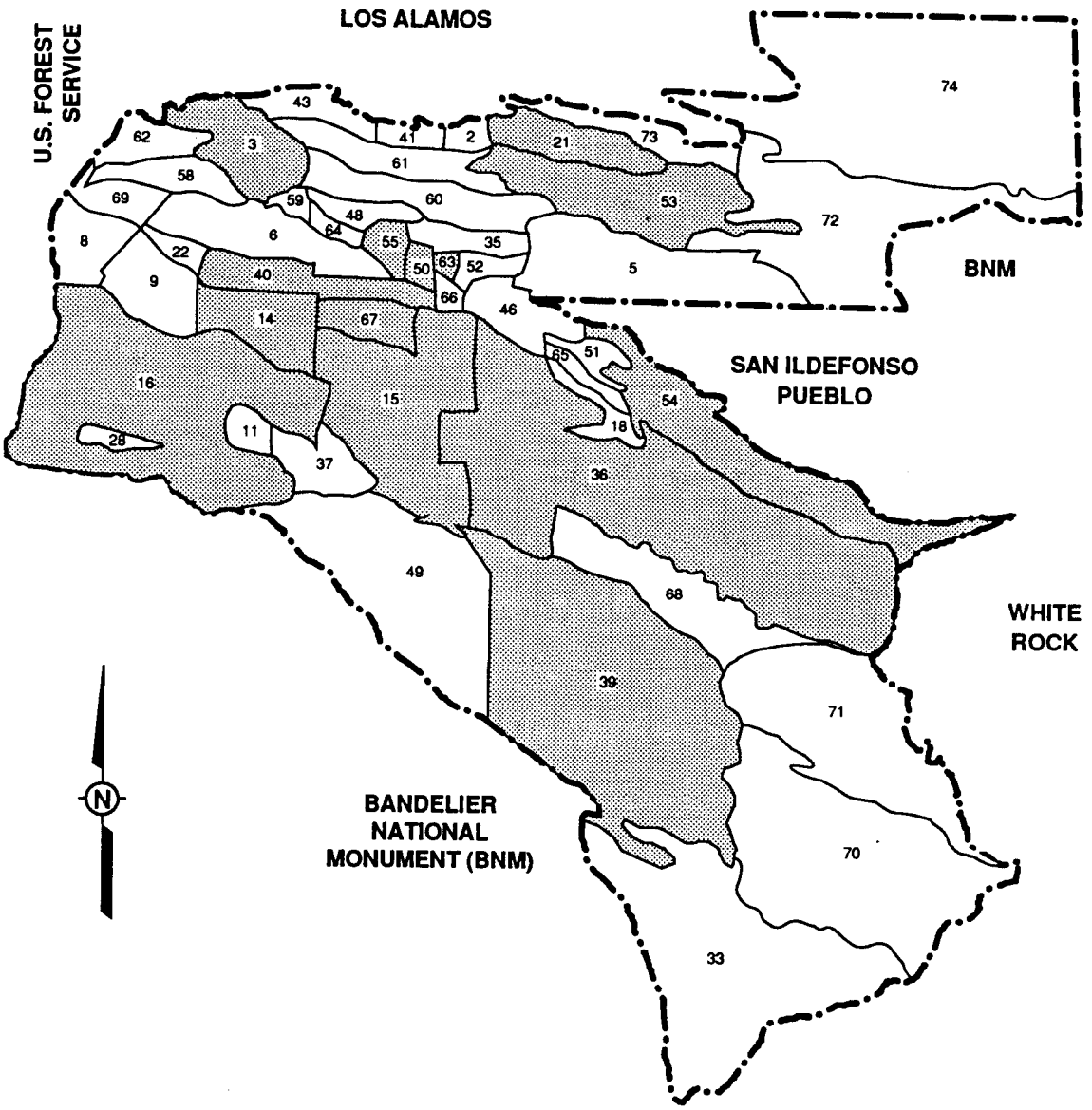


Note: The chemical plating waste treatment skid (process code T01) will operate in either the radioactive characteristic waste treatment room or radioactive listed waste treatment room. Refer to Section 4.0 of the following document for schematics of the chemical plating waste treatment skid: RCRA Part B Permit Application, Technical Area 54, Area G, Pads 1, 2, and 4, Storage Domes A-D; Chemical Plating Waste Treatment Skid and Treated Liquid Storage Tanks, Technical Area 63, Hazardous Waste Treatment Facility, Los Alamos National Laboratory, September 1993.

Figure 24

TA-63 - Simplified Schematic of the Hazardous Waste Treatment Facility

301608.14 A26

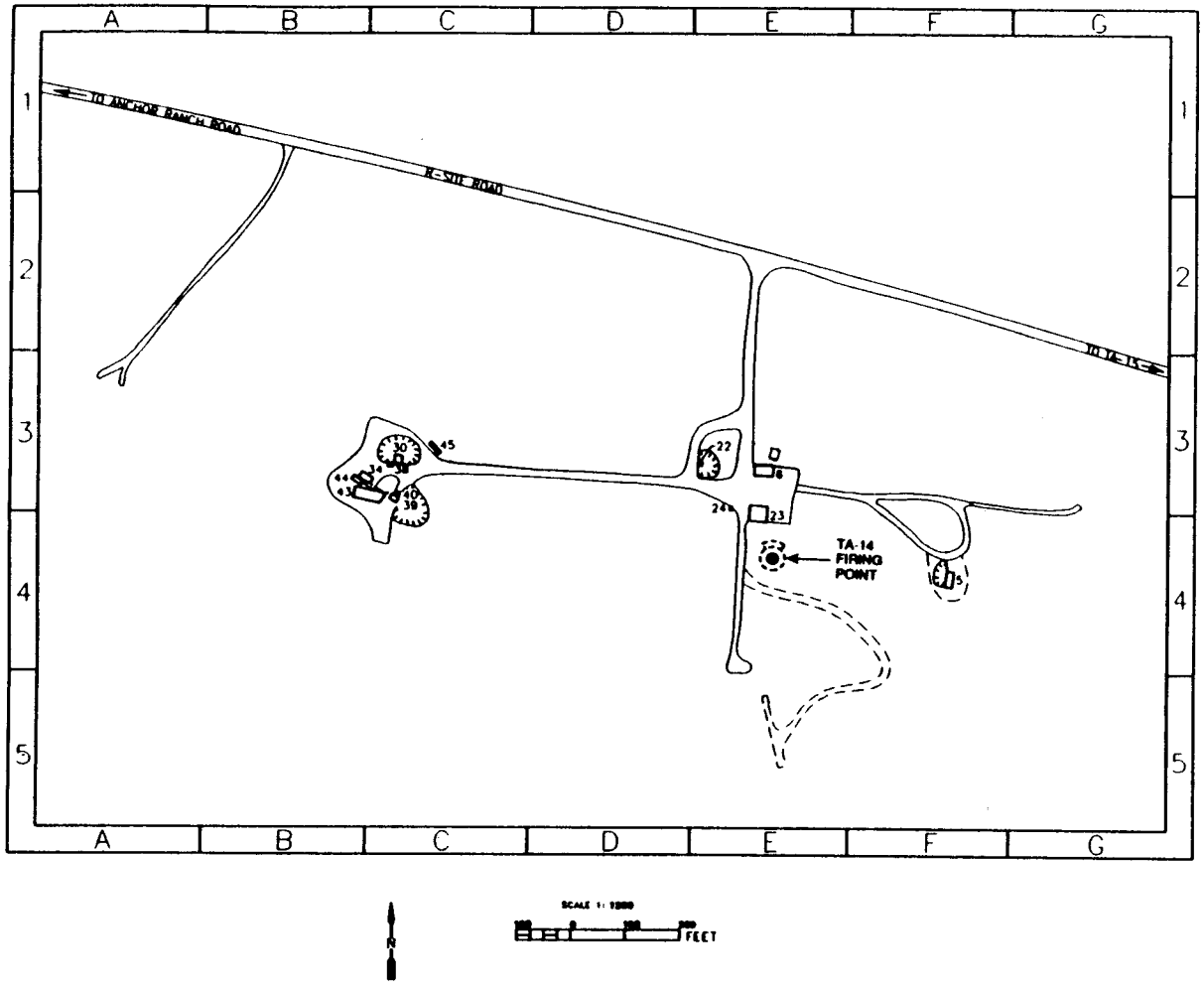


Shading indicates technical areas in which hazardous waste or mixed waste units are located or planned for construction.

4800 0 4800
Scale in Feet

Figure 25
Location Map of Los Alamos National Laboratory Technical Areas

TA-14



STRUCTURE NUMBER INDEX

STRUCTURE TA-NUMBER	STRUCTURE DESIGNATION	STRUCTURE NOMENCLATURE	STRUCTURE LOCATOR SHEET NO.	STRUCTURE LOCATOR MAP KEY
14- 5	Q- 5	TOXIC GAS STORAGE BLDG.	1	F-4
14- 6	Q- 6	STORAGE BUILDING	1	E-3
14- 22	Q- 22	MAGAZINE	1	E-3
14- 23	Q- 23	CONTROL BUILDING	1	E-3
14- 24	Q- 24	MAGAZINE	1	E-3
14- 30	Q- 30	EXPLOSIVES PREP. BUILDING	1	C-3
14- 34	Q- 34	BULLET TEST FACILITY	1	E-3
14- 38	Q- 38	CAMERA BUILDING	1	C-3
14- 39	Q- 39	HIGH EXPLOSIVE TEST FAC.	1	C-3
14- 40	Q- 40	INSTRUMENTATION BUILDING	1	C-3
14- 43	14- 43	ASSEMBLY & STORAGE BLDG.	1	E-3
14- 44	14- 44	TRANSPORTAINER	1	E-3
14- 45	14- 45	TRANSPORTAINER	1	C-3

Figure 26

FACILITIES ENGINEERING DIVISION

STRUCTURE LOCATION MAP
TA-14
Q-SITE

DRAWN C. SANDOVAL
DESIGN
CHECKED G. GREEN
RELEASED G. GREEN
DATE 03-03-01

SUBMITTED RECOMMENDED APPROVED

LOS ALAMOS LOS ALAMOS NATIONAL LABORATORY LOS ALAMOS, NEW MEXICO 87545

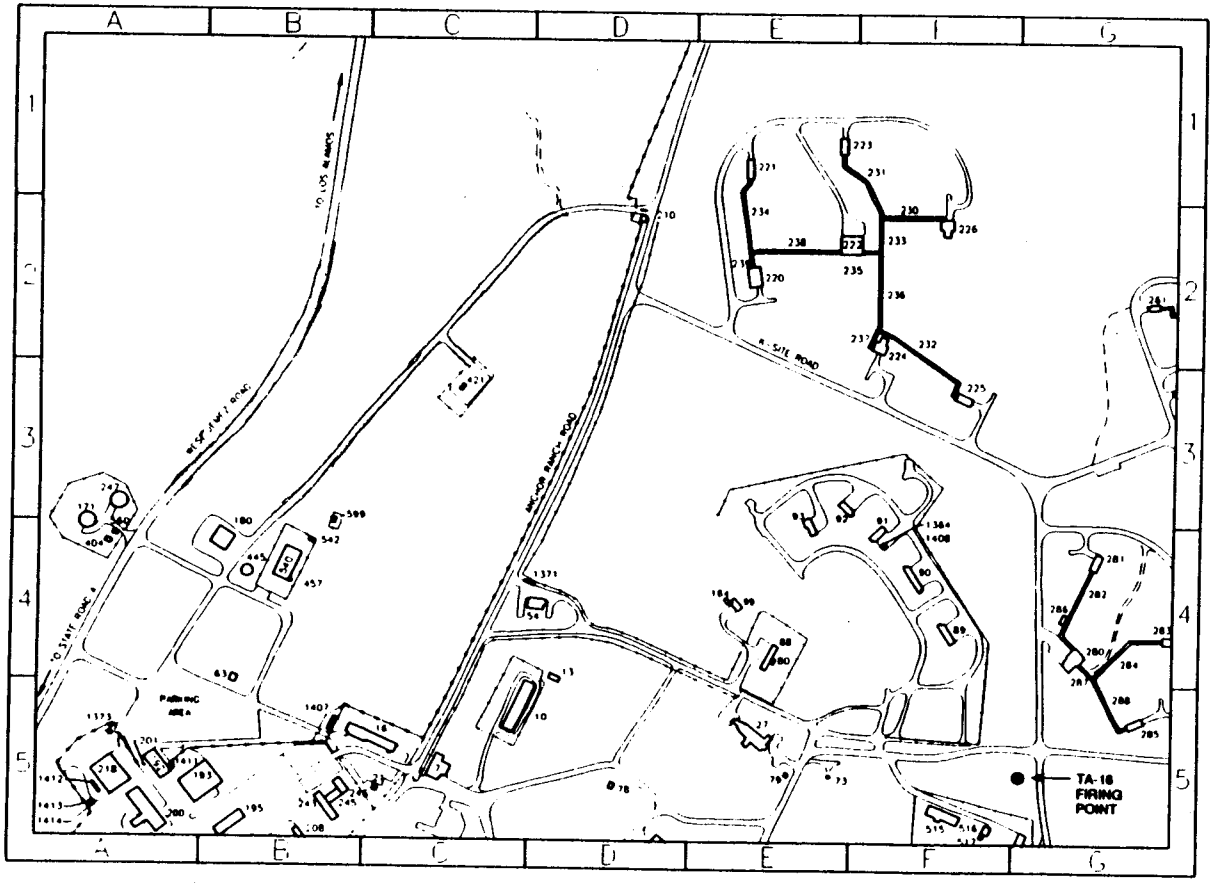
SHEET 1 OF 1

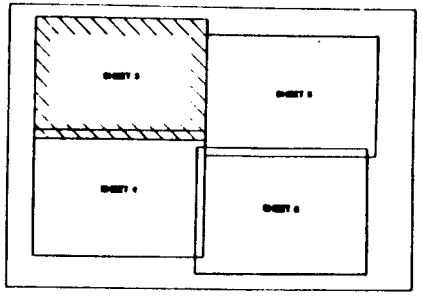
CLASSIFICATION U REVIEWED DATE

LAB JOB NO DRAWING NO. ENG-R 5109 REV 19

AUTODRS

TA-16





TA-16 MAP GUIDE

SCALE 1: 2400

200 0 200 400 FEET

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Figure 27

NO	DATE	REVISIONS	DWN	DES	CKD	REL	SUB	REC	APP

FACILITIES ENGINEERING DIVISION

STRUCTURE LOCATION MAP
TA-16
S-SITE

DRAWN	C SANDOVAL
DESIGN	
CHECKED	B COWEP
RELEASED	B COWEP
DATE	03-20-91

BLDG
SUBMITTED
RECOMMENDED
APPROVED

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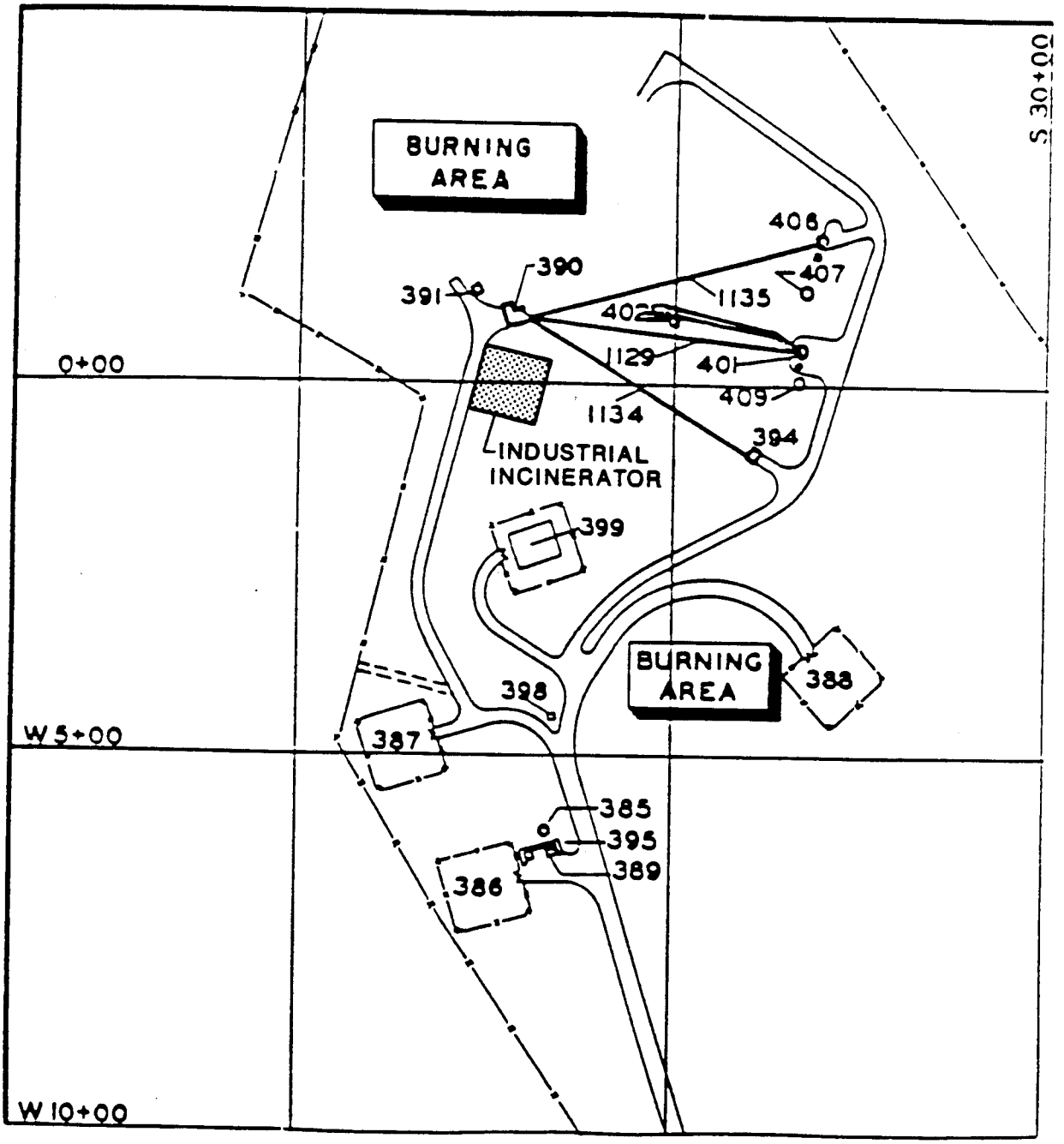
SHEET 3 OF 6

CLASSIFICATION
REVIEWED
DATE
LAB JOB NO
DRAWING NO ENG-R 5111
REV 24

AUTOCAD



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	10/11/88	APPROVED BY		

Figure 28

TA-16 INDUSTRIAL INCINERATOR

PREPARED FOR

LOS ALAMOS NATIONAL LABORATORY
LOS ALAMOS, NEW MEXICO

INTERNATIONAL TECHNOLOGY CORPORATION

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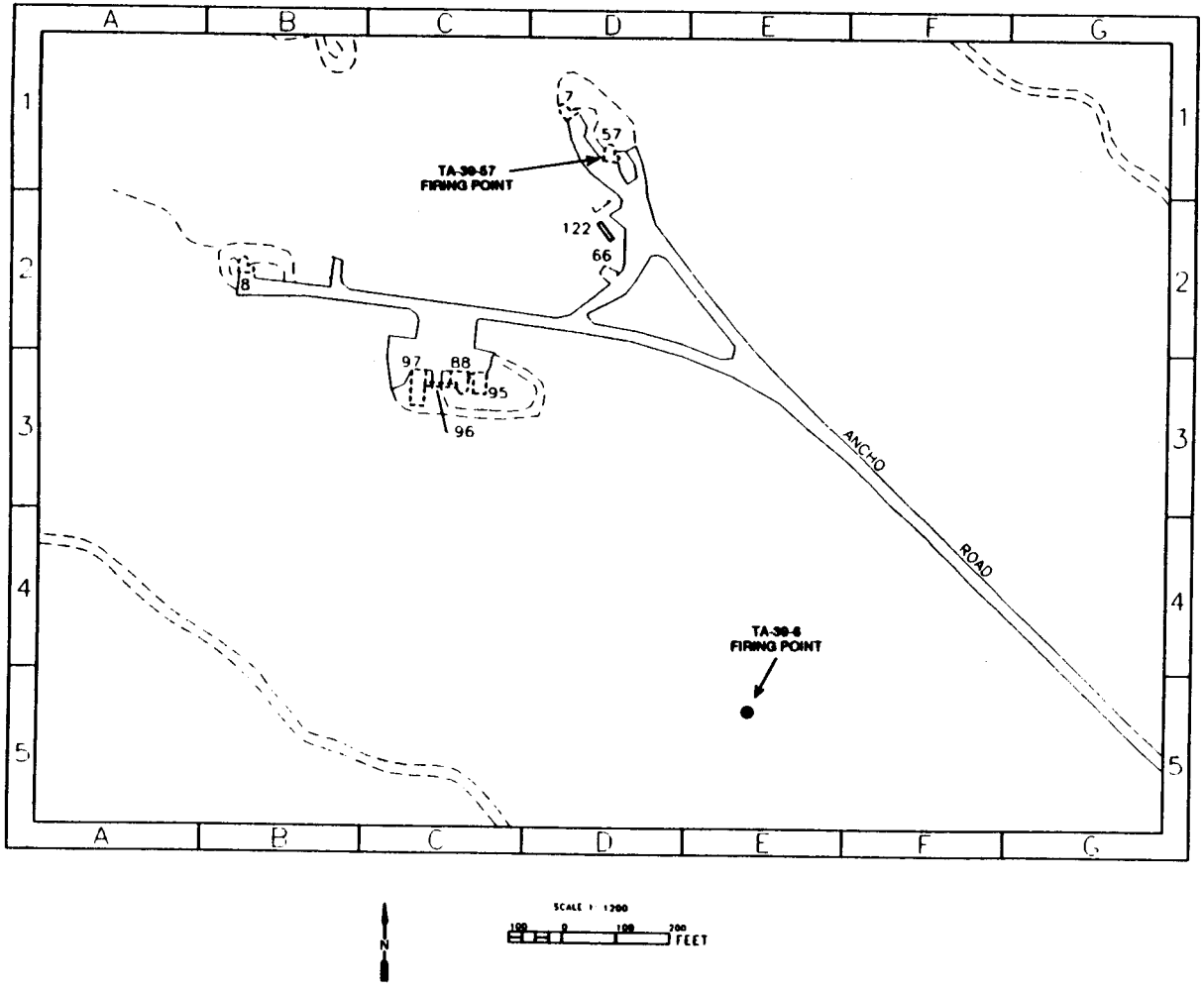
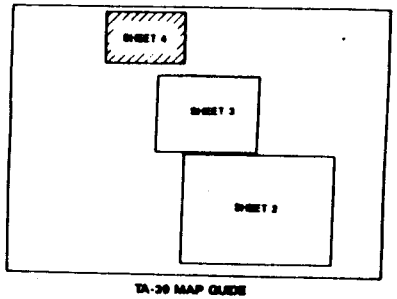
Do Not Scale This Drawing

DIETZGEN

TA-39





TA-39 MAP GUIDE

Figure 29

NO	DATE	REVISIONS	DRW	DES	ENG	REL	SUB	REC	APP

FACILITIES ENGINEERING DIVISION

STRUCTURE LOCATION MAP
TA-39
ANCHO CANYON SITE

DRAWN: C SANDOVAL
DESIGN:
CHECKED: D COMER
RELEASED: D COMER
DATE: 03-18-91

BLDG.
SUBMITTED: RECOMMENDED: APPROVED:

LOS ALAMOS — LOS ALAMOS NATIONAL LABORATORY, LOS ALAMOS, NEW MEXICO 87545

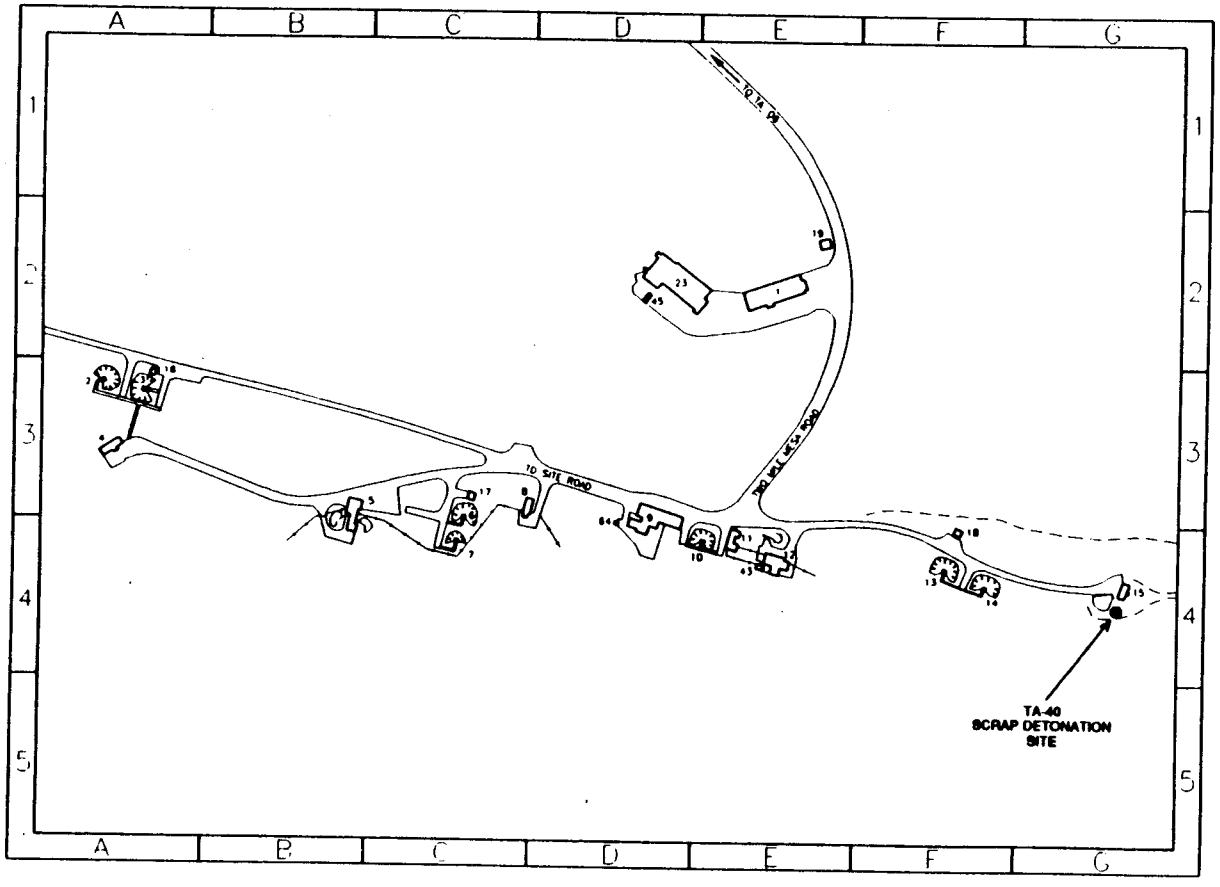
SHEET 4 OF 4

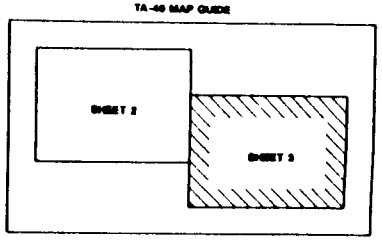
CLASSIFICATION: REVIEWED: DATE:

LAB JOB NO:
DRAWING NO: ENG-R 5120
REV: 18

AUTOCAD

TA-40





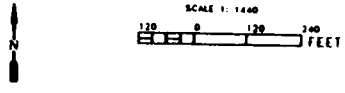


Figure 30

NO	DATE	CLASS KEY	REVISIONS	DRAWN	DES	CKD	REL	SUB	REC	APP

FACILITIES ENGINEERING DIVISION

STRUCTURE LOCATION MAP
TA-40
DF-SITE

DRAWN	C SANDOVAL
DESIGN	
CHECKED	B COWER
RELEASED	B COWER
DATE	03-07-91

BLDG

SUBMITTED | RECOMMENDED | APPROVED

LOS ALAMOS — LOS ALAMOS NATIONAL LABORATORY, LOS ALAMOS, NEW MEXICO 87545

SHEET 3 OF 3

CLASSIFICATION U REVIEWED BY DATE

LAB JOB NO

DRAWING NO ENG-R 5121

REV 20

AUTOCAD

301608.14 A12

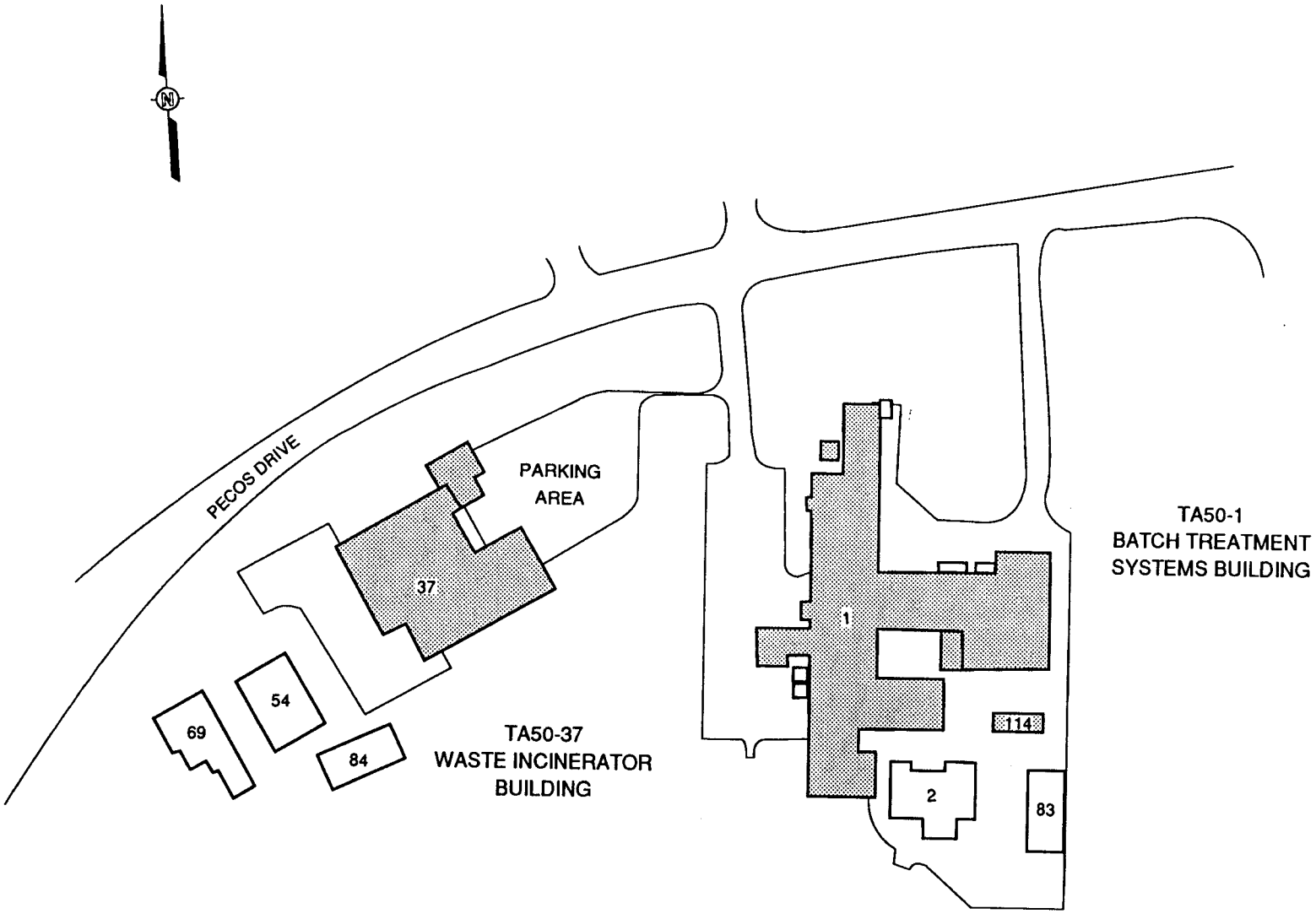
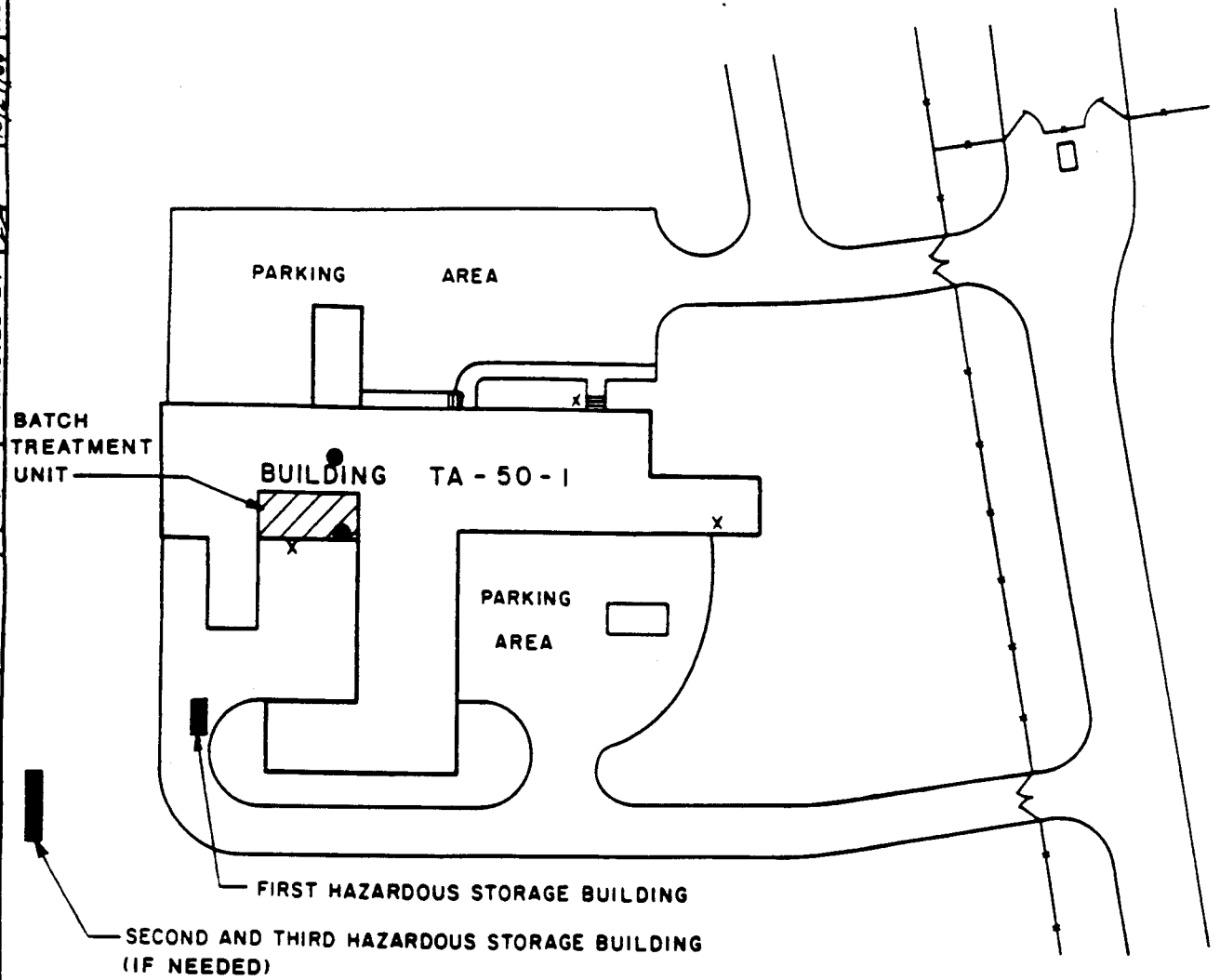


Figure 31
TA-50

DRAWN BY	LLF	CHECKED BY	JK	DRAWING NUMBER	301215 02 00 A12
	11/11/87	APPROVED BY			



N

x ALARM PULL BOXES
● FIRE EXTINGUISHERS

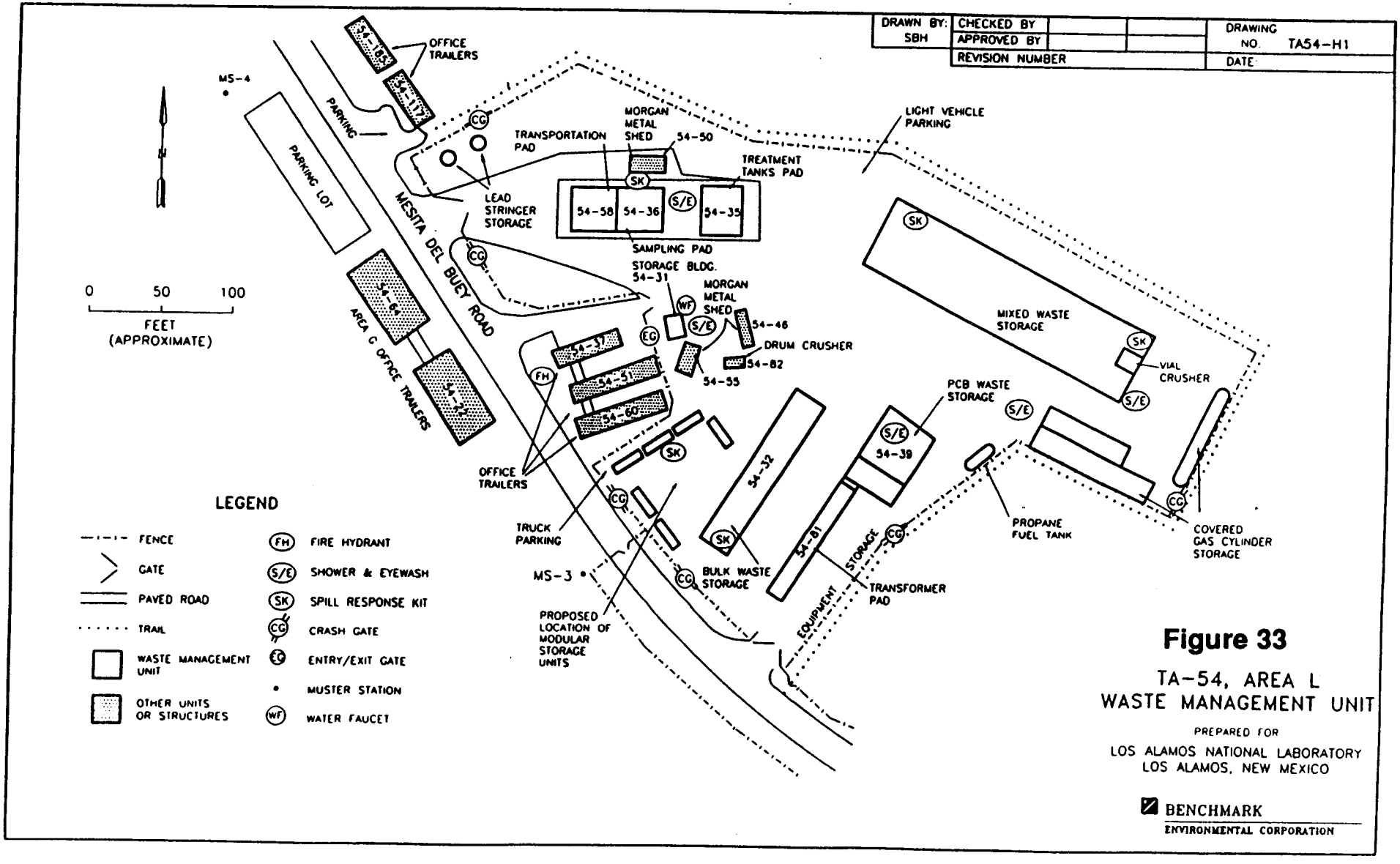
Figure 32

LOCATION OF
BATCH TREATMENT UNIT
IN BUILDING I IN TA-50

PREPARED FOR
LOS ALAMOS NATIONAL LABORATORY
LOS ALAMOS, NEW MEXICO

IT CORPORATION

32803



NM0890010515-1

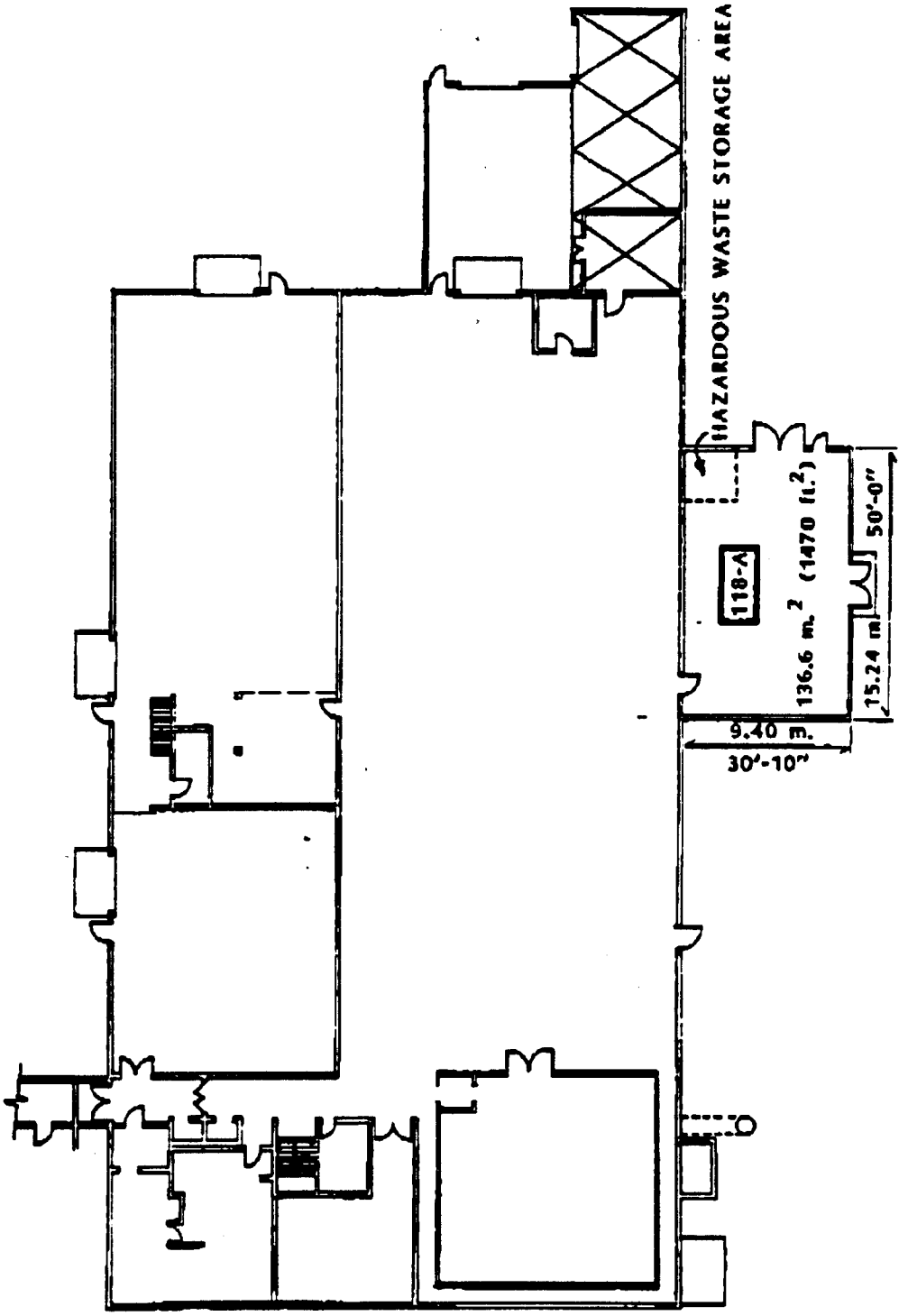
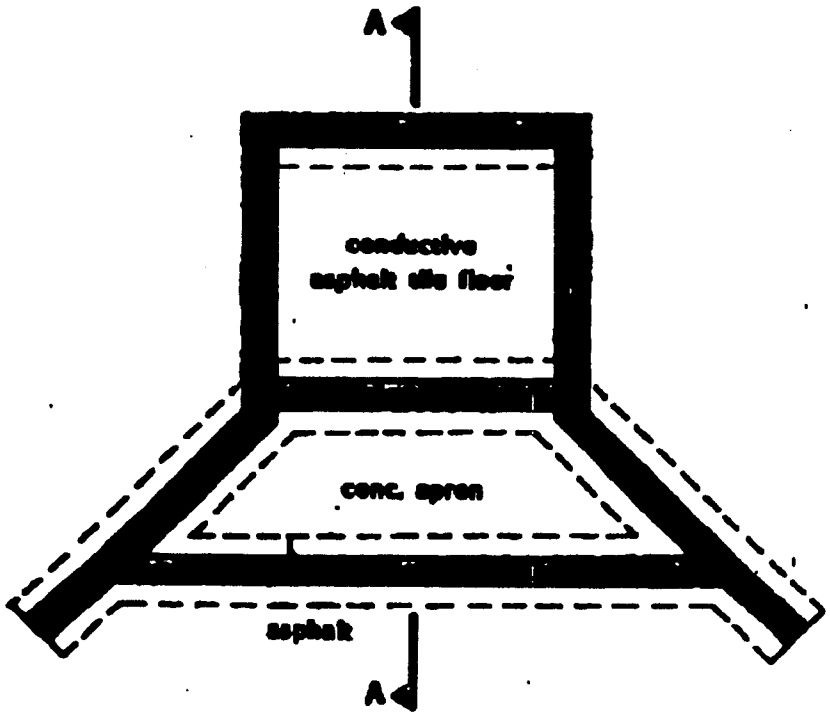
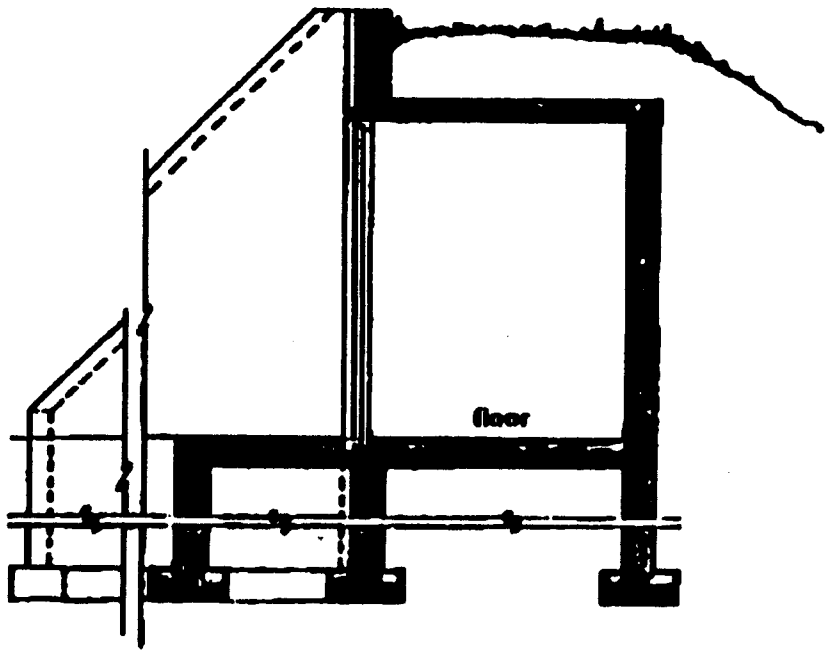


Figure 34

TA-3 BUILDING 102
FLOOR PLAN



PLAN VIEW



SECTION A-A

Figure 35

TA-22-24 MAGAZINE STORAGE FACILITY

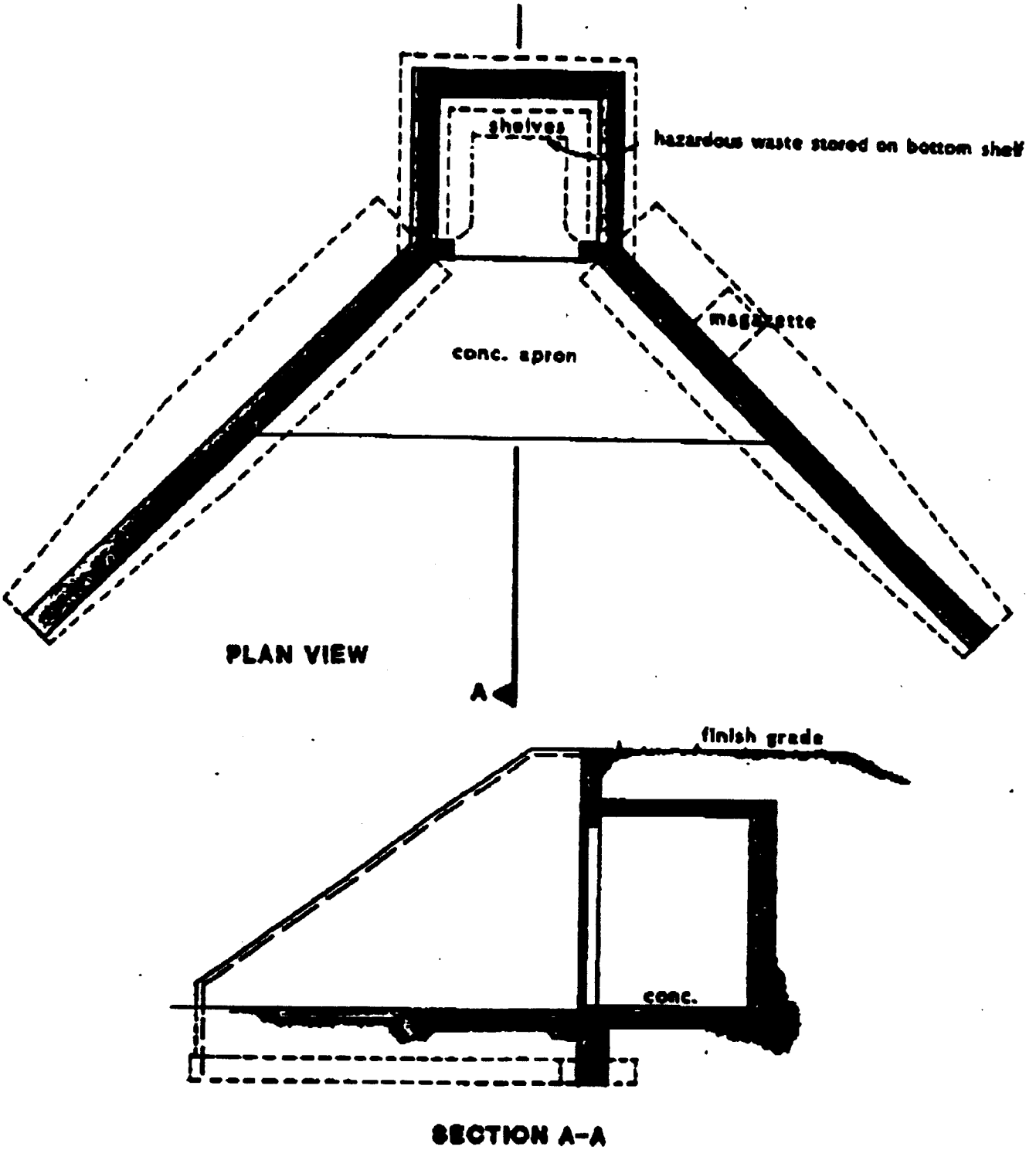


Figure 36

TA 40-2 MAGAZINE STORAGE FACILITY

ATTACHMENT 4

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Note: Shading indicates a new photo or replacement photo or caption change from Revision 1.0 of the Part A permit application, September 1993. However, shading is not indicated in actual photograph captions.

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Note: Shading indicates a new photo or replacement photo or caption change from Revision 1.0 of the Part A permit application, September 1993. However, shading is not indicated in actual photograph captions.

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Note: Shading indicates a new photo or replacement photo or caption change from Revision 1.0 of the Part A permit application, September 1993. However, shading is not indicated in actual photograph captions.

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Note: Shading indicates a new photo or replacement photo or caption change from Revision 1.0 of the Part A permit application, September 1993. However, shading is not indicated in actual photograph captions.

Photographs of all hazardous waste units were provided in the Part A revision submitted as part of the RCRA Part B Permit Application, Revision 4.1, November 1988, for hazardous waste. These photographs (as well as an aerial photograph of TA-54, Area L) are included here to meet Part A requirements in 20 NMAC 4.1, Subpart ~~HWMR-7 Part~~ IX, 270.13(h).

TA-14-23 and 35

TA-15, PHERMEX ~~Facility~~

TA-16-387, Burn Pad for Flashing Equipment

TA-16-401, Pressure Vessel for Dried HE Sludge and Associated Storage Area

TA-16-399, Burn Pad

TA-16-406, Pressure Vessel for Dried HE Sludge and Associated Storage Area

TA-16-394, Burn Pan for HE

TA-16-388, Burn Pad

TA-36-8, Kappa 8 Firing Point

TA-50-1, Batch Waste Treatment

TA-50-114, Hazardous Waste Storage Module

TA-39-57, Firing Point

TA-39-6, Firing Point

TA-54, Area L Aerial Photograph

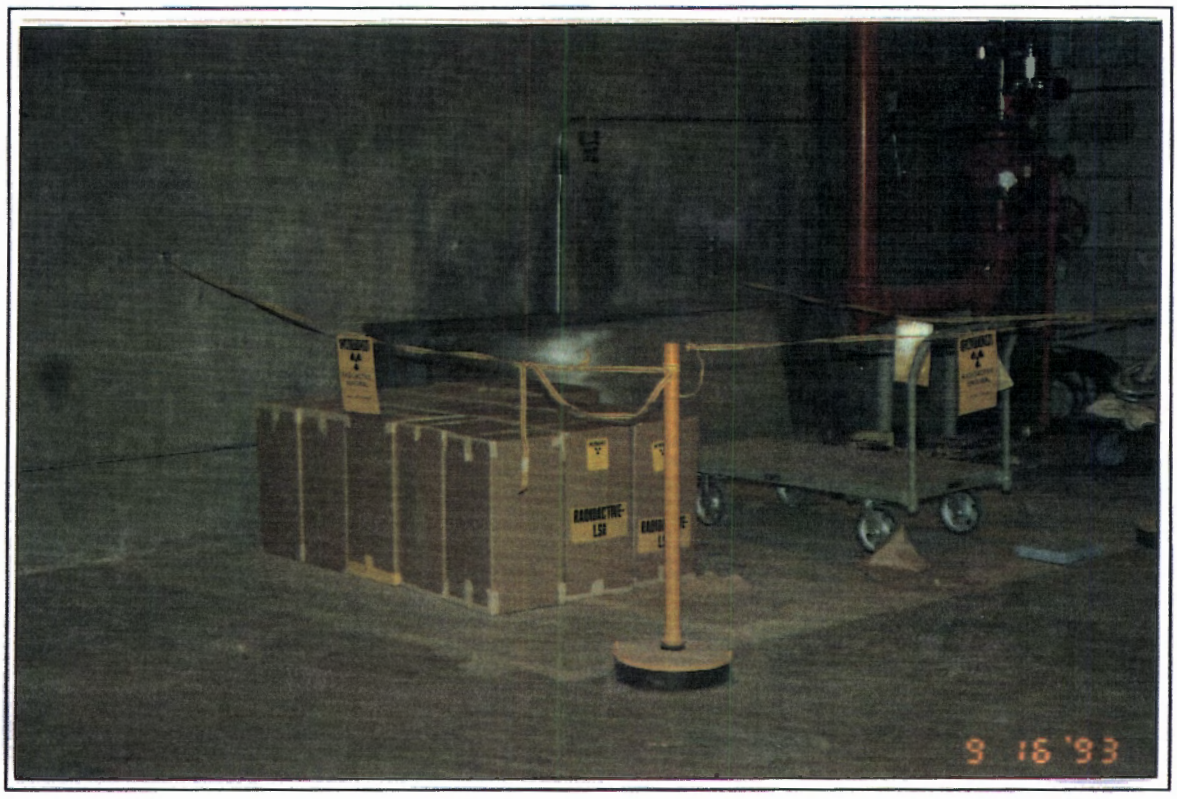
Note: Shading indicates a new photo or replacement photo or caption change from Revision 1.0 of the Part A permit application, September 1993. However, shading is not indicated in actual photograph captions.

Photographs

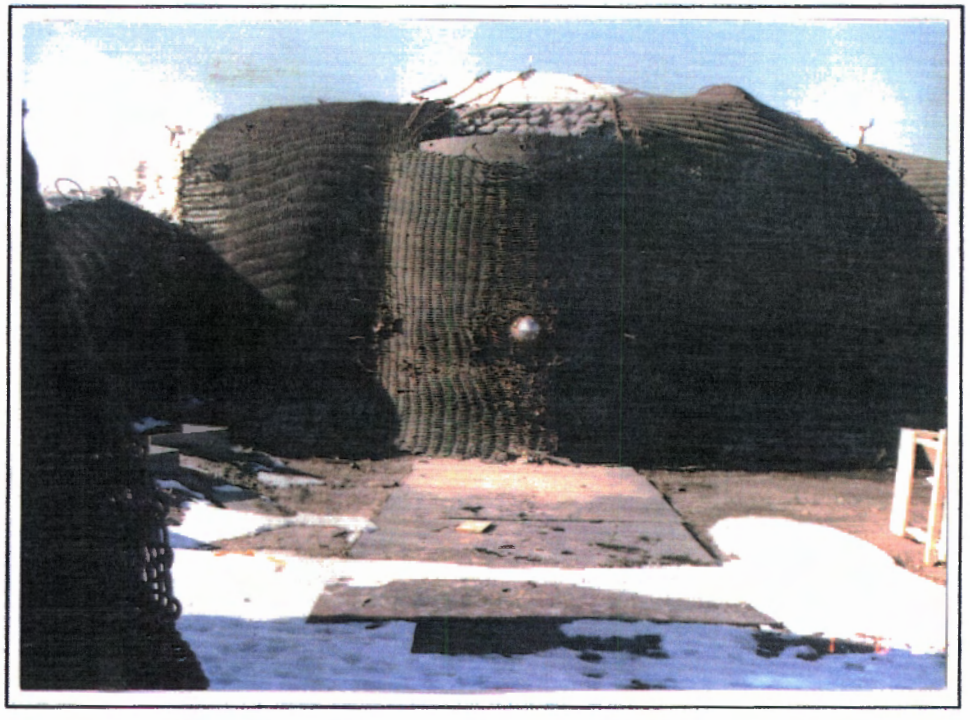
TA-3-29, Room 9030, Process Code S01, Container Storage Area (Corresponds to Figure 2)

TA-3-29, Room 9010, Process Code S01, Container Storage Area (Corresponds to Figure 2)

[This figure has been provided to the New Mexico Environment Department under separate cover as Unclassified Controlled Nuclear Information (UCNI) defined by Section 148 of the Atomic Energy Act.]



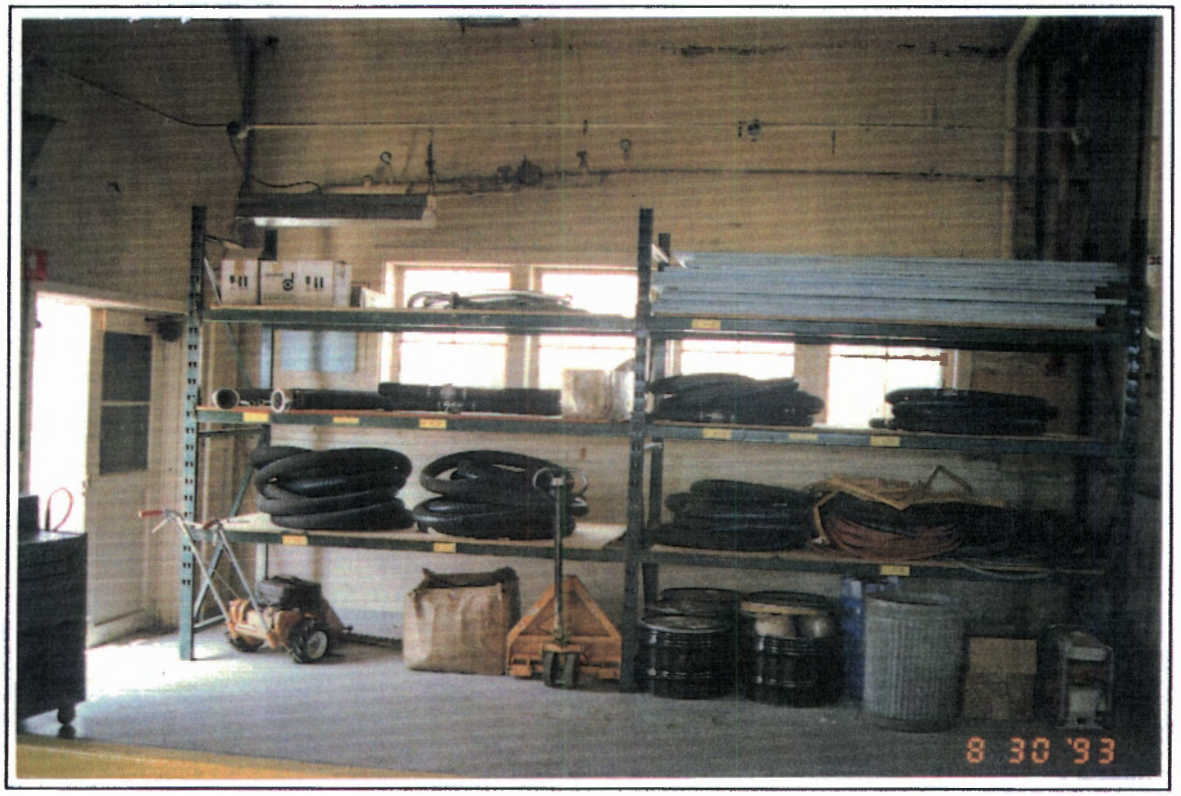
TA-3-29, Room 9020, Process Code S01, Container Storage Area
(Corresponds to Figure 2)



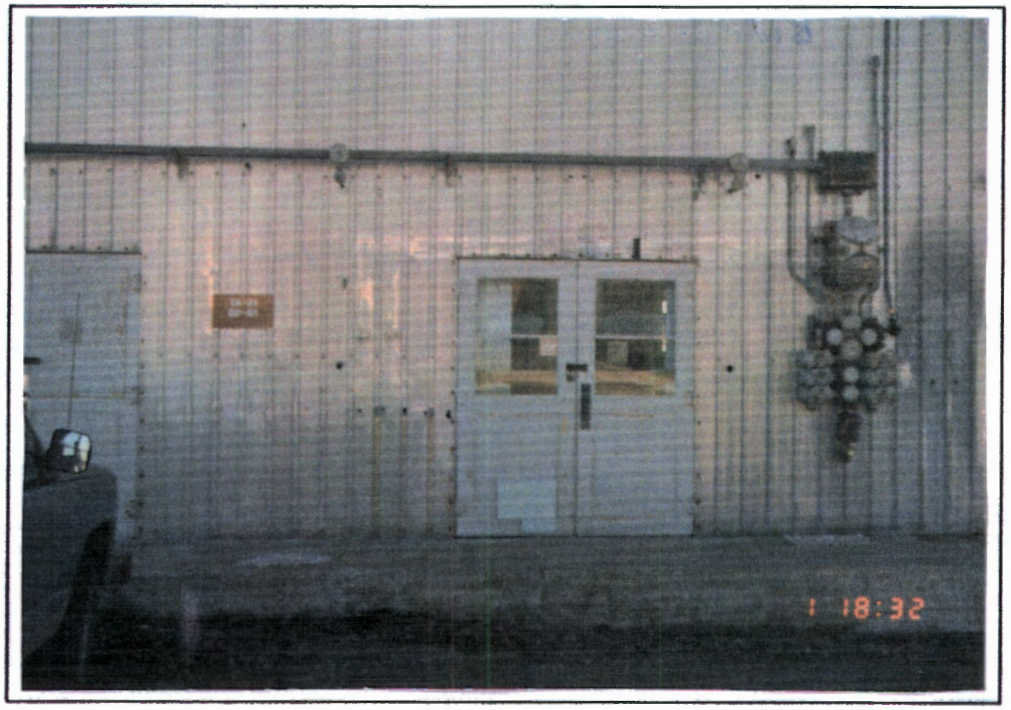
TA-15-184, Process Code T04, Waste Detonation Site
(PHERMEX Facility)

TA-16-88, Process Code S01, Container Storage Area

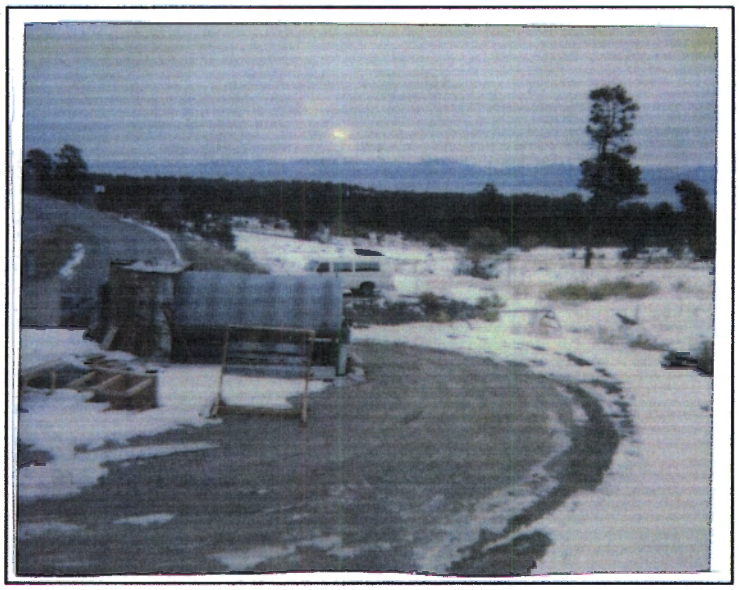
TA-21-61, Process Code S01, Container Storage Area
(Proposed container storage area in yard outside of TA-21-61)



TA-21-61, Process Code S01, Container Storage Area
(Inside of building)



TA-21-61, Process Code S01, Container Storage Area
(Outside of building)

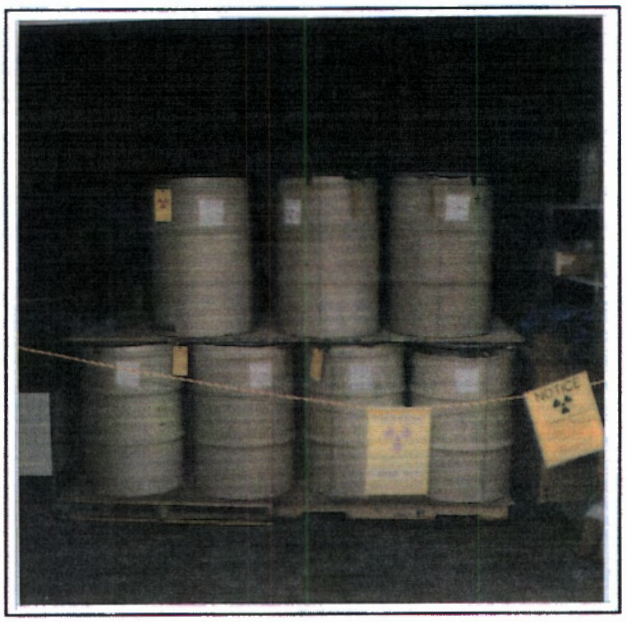


TA-36-8, Process Code T04, Waste Detonation Site
(Minie Site)

TA-36-8, Process Code T04, Waste Detonation Site
(Minie Site)

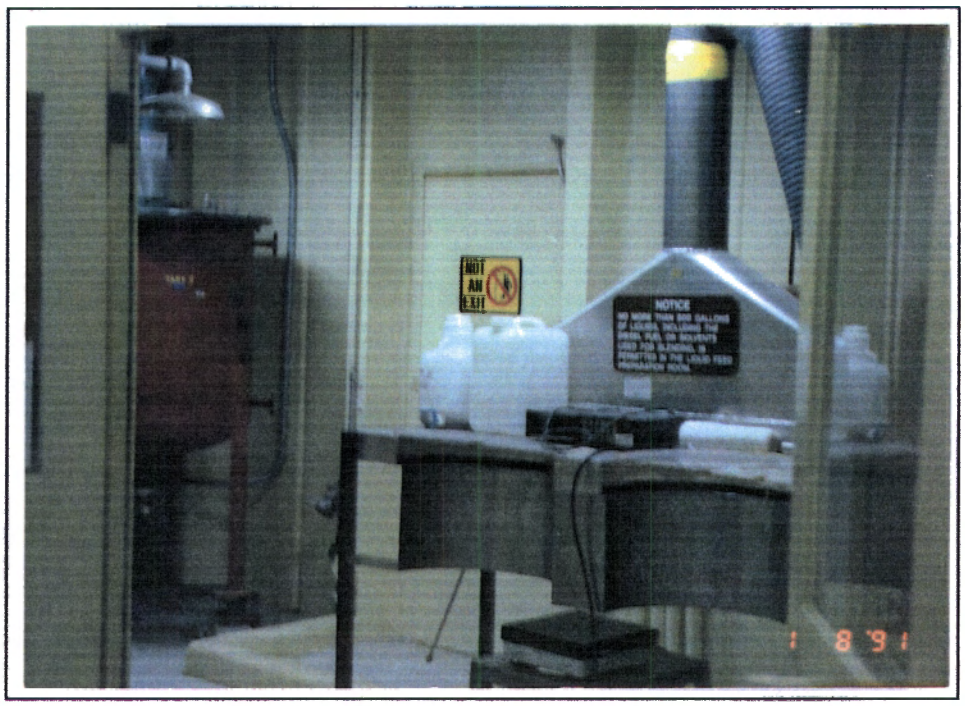
TA-50-1-60A, Process Code T04, Cementing Process

TA-50-1-60A, Process Code T04, Cementing Process

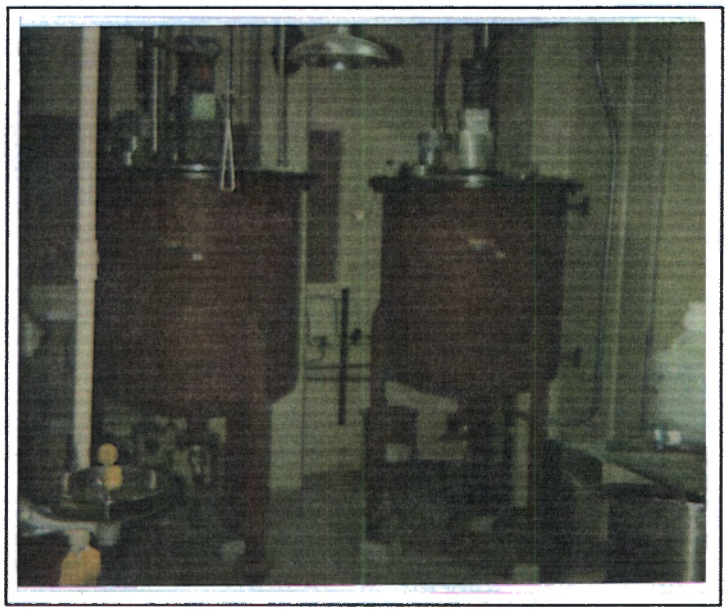


TA-50-1-60D, Process Code S01, Container Storage Area

TA-50-1-60D, Process Code S01, Container Storage Area

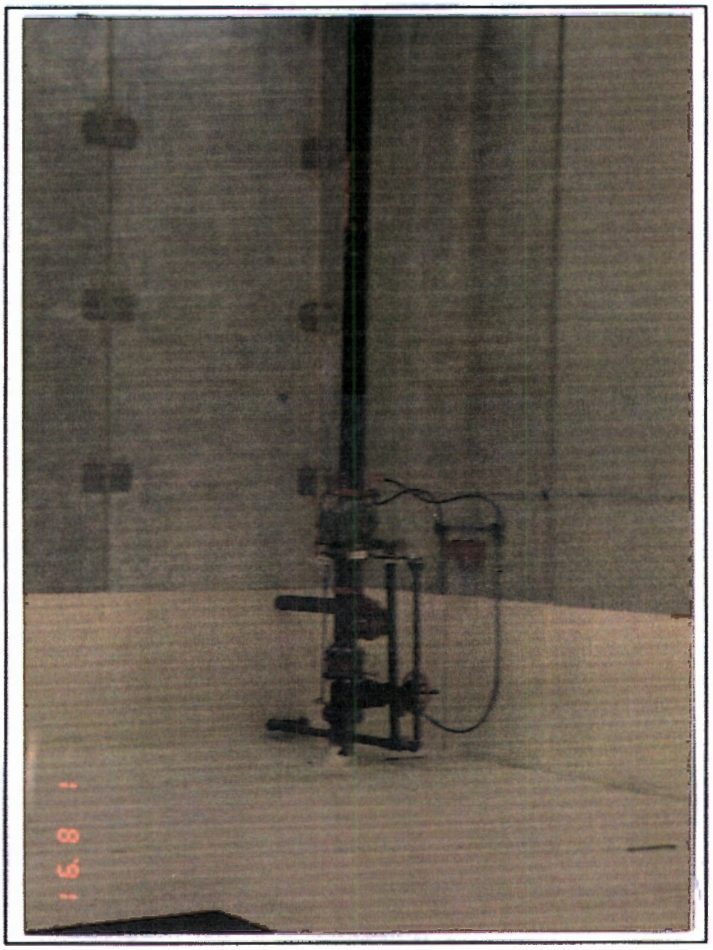


TA-50-37-115, Process Code S01, Container Storage Area

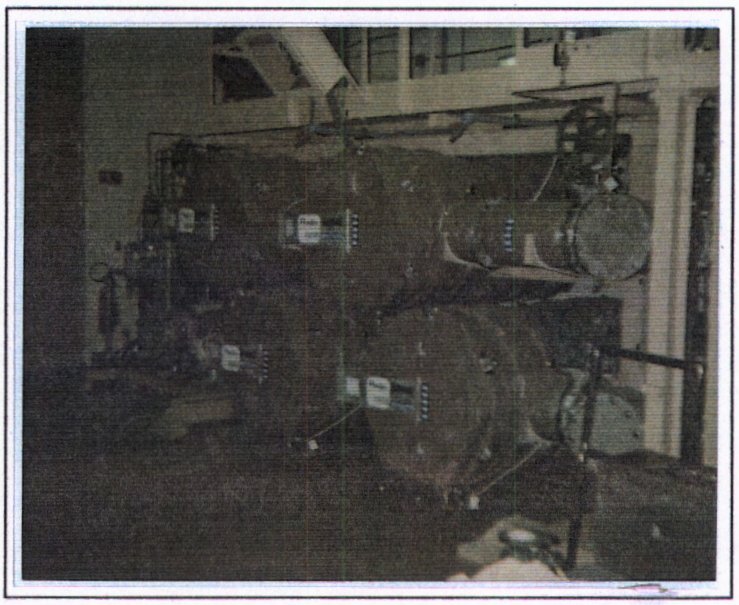


TA-50-37-115, Process Code S02, Waste Feed Tanks

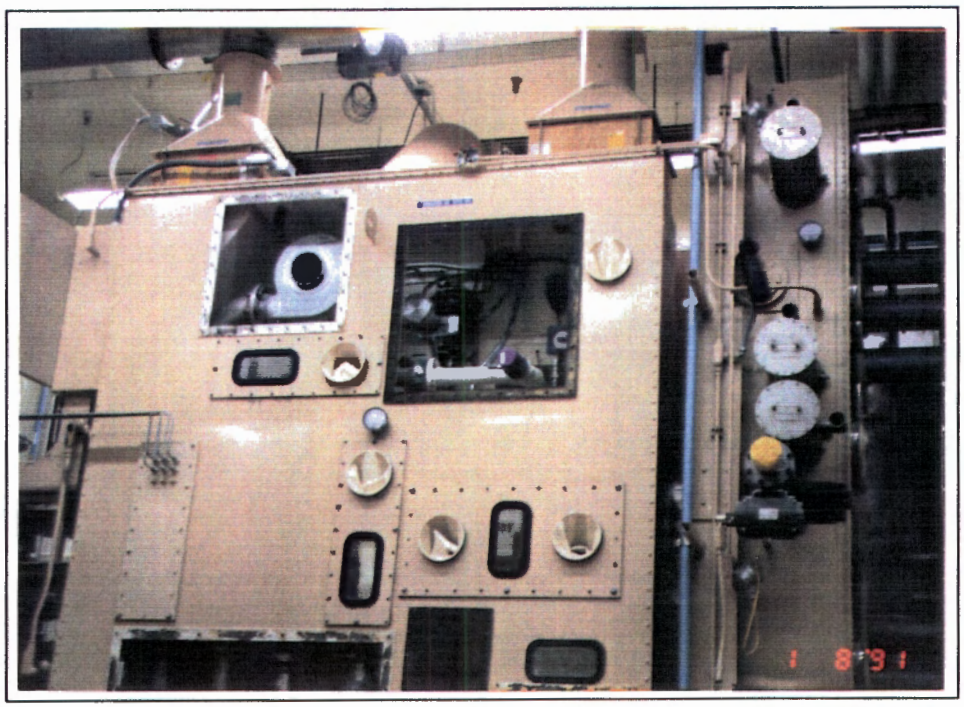
TA-50-37-117, Process Code S01, Container Storage Area



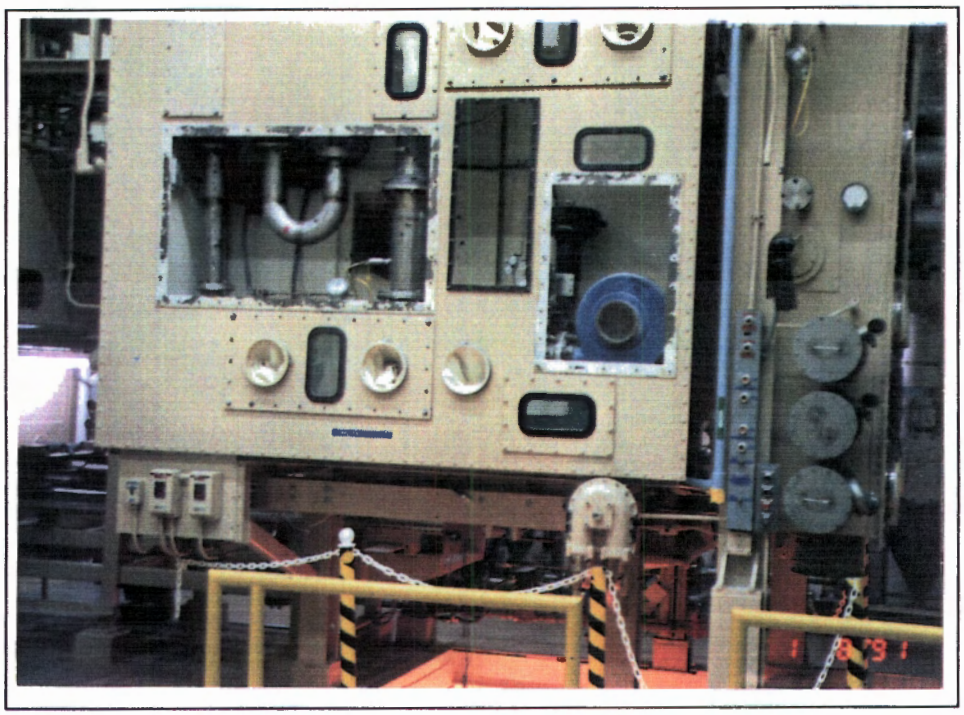
TA-50-37-118, Process Code S01, Container Storage Area



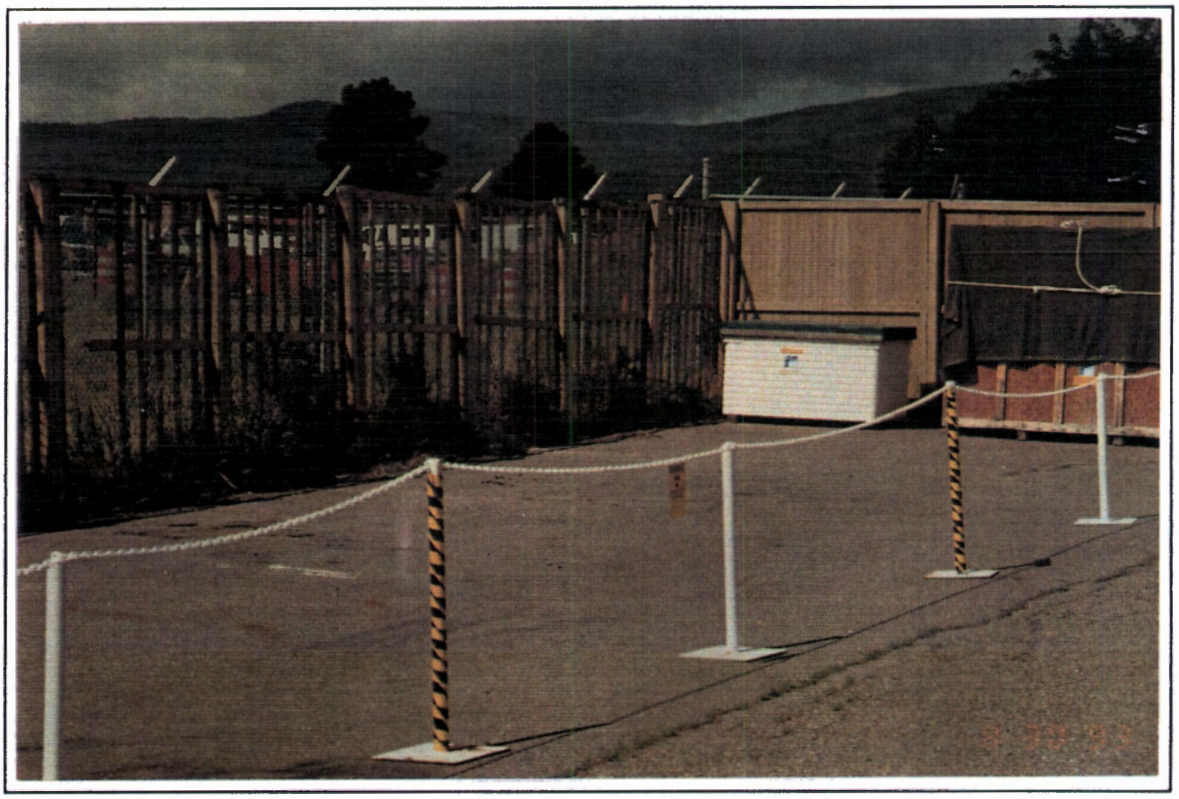
TA-50-37, Process Code T03, Incinerator



TA-50-37, Process Code T03, Incinerator

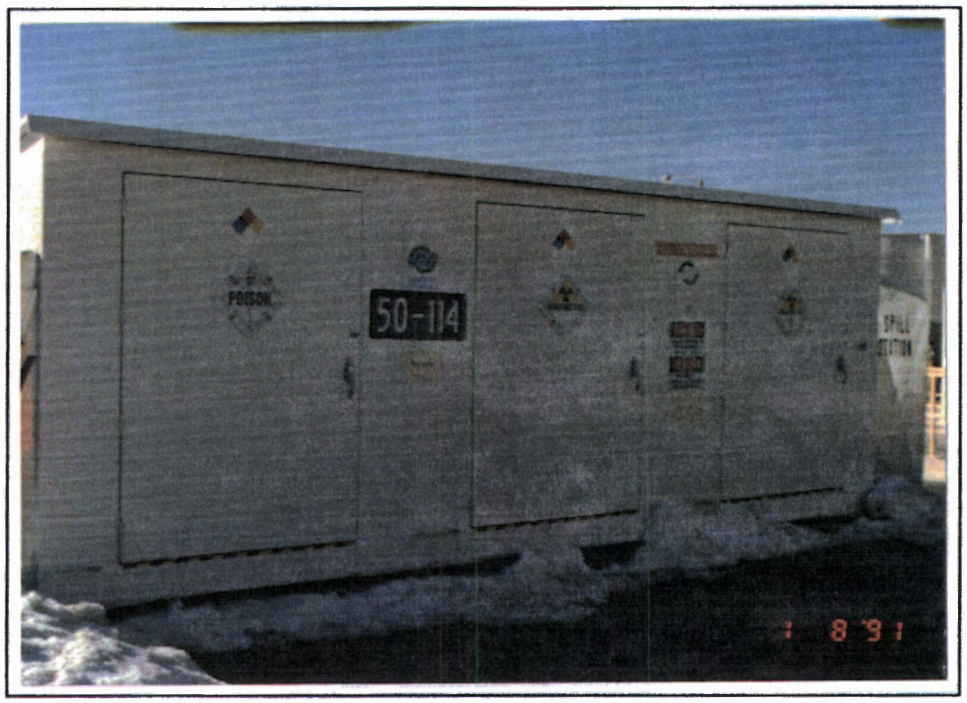


TA-50-37, Process Code T03, Incinerator

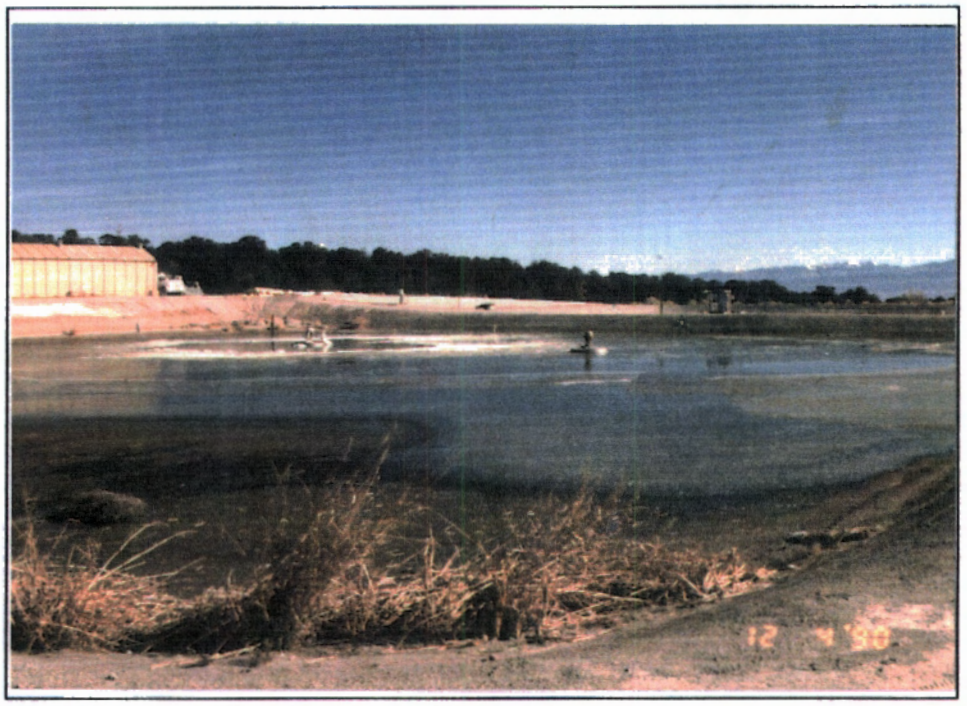


TA-50-69, Process Code S01 Container Storage Area
(Outside of building)

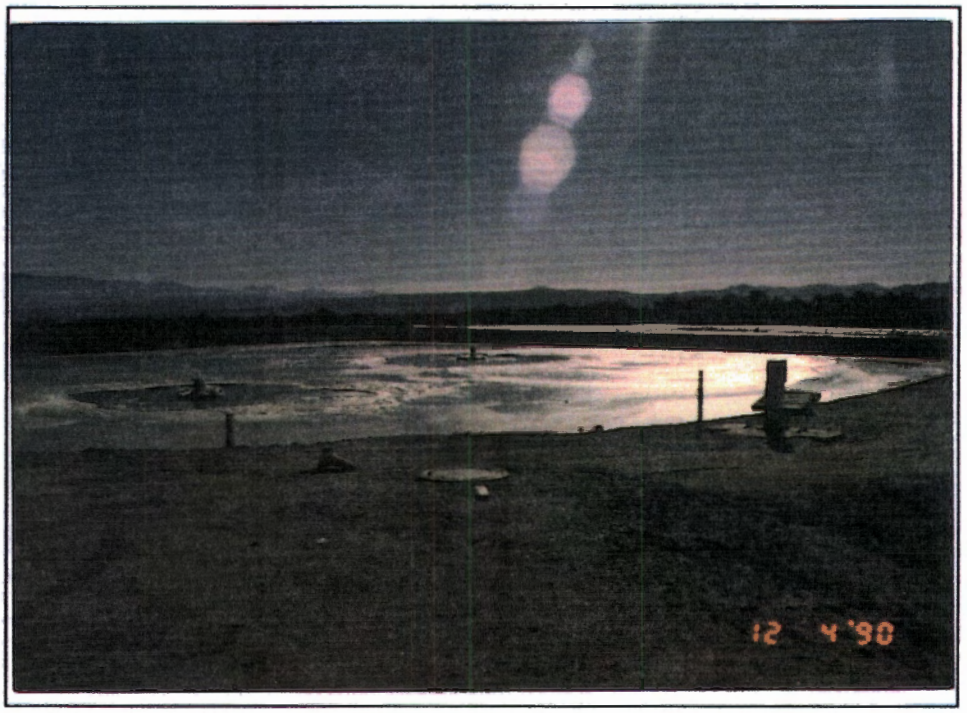
TA-50-69, Process Code S01, Container Storage Area
(Inside of building)



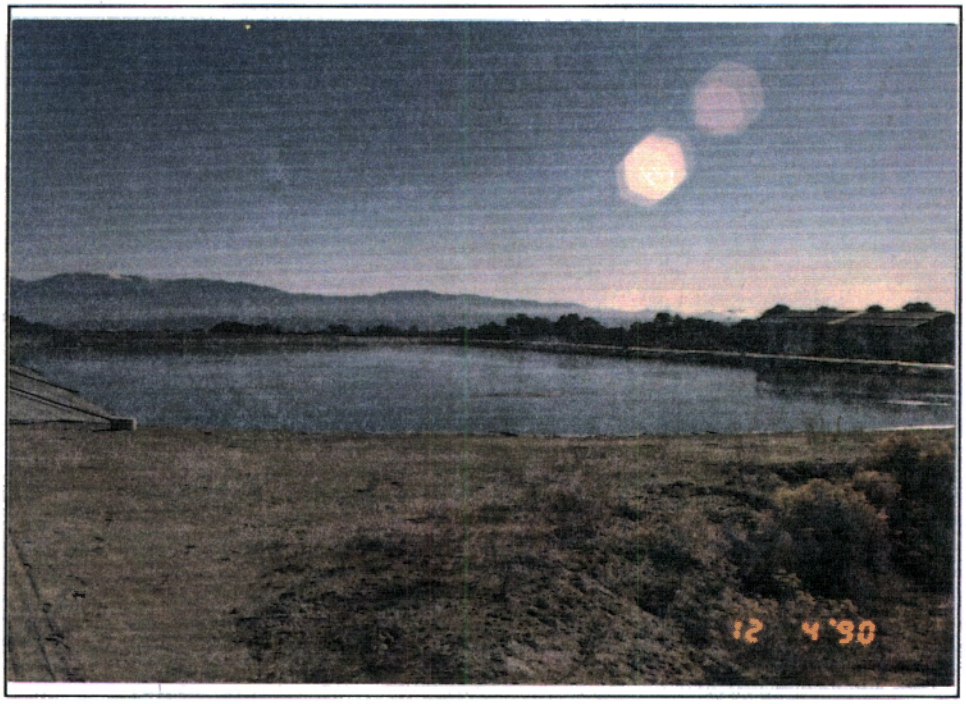
TA-50-114, Process Code S01, Container Storage Area
(Storage shed behind TA-50-1)



TA-53-166, Process Code S04, Surface Impoundment
(Northwest impoundment)



TA-53-166, Process Code S04, Surface Impoundment
(Northeast impoundment)

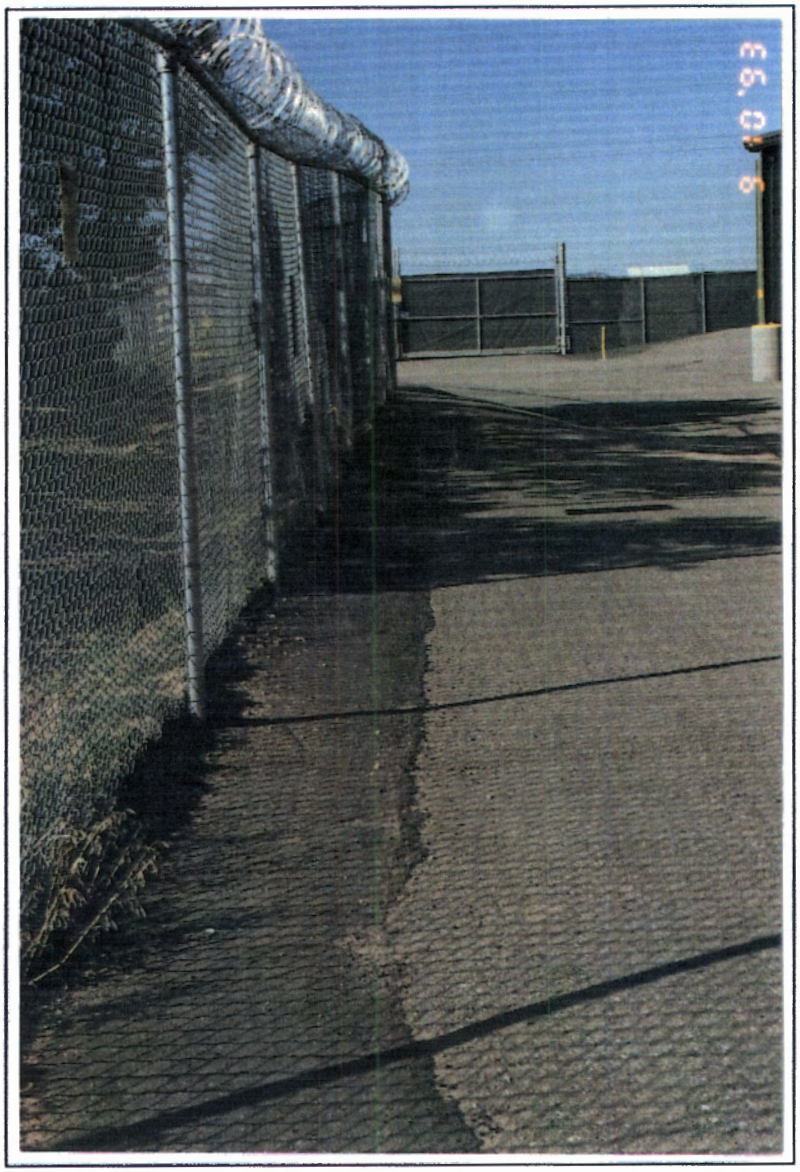


TA-53-166, Process Code S04, Surface Impoundment
(South impoundment)

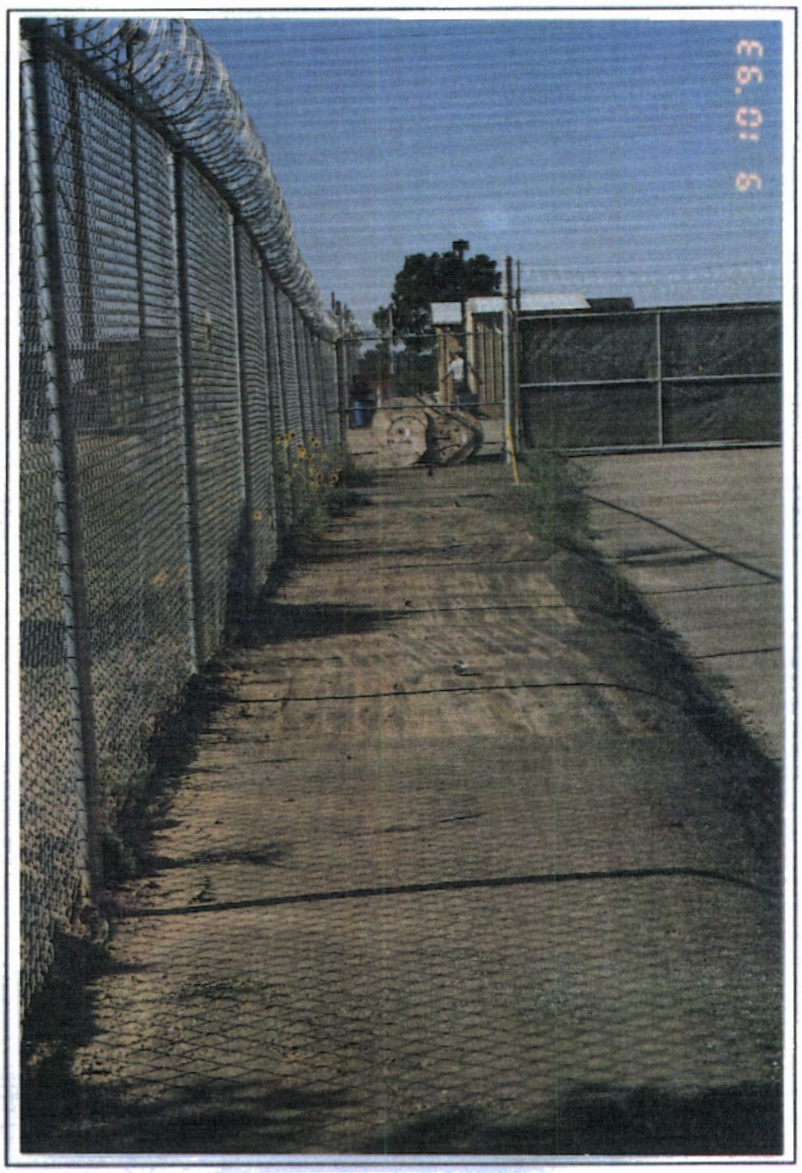
TA-54, Area L, Process Code S01, Container Storage Pad
(Corresponds to Area 1 on Figure 18)

TA-54, Area L, Process Code S01, Container Storage Pad
(Corresponds to Area 1 on Figure 18)

TA-54, Area L, Process Code S01, Container Storage Area
(Corresponds to Area 2 on Figure 18)



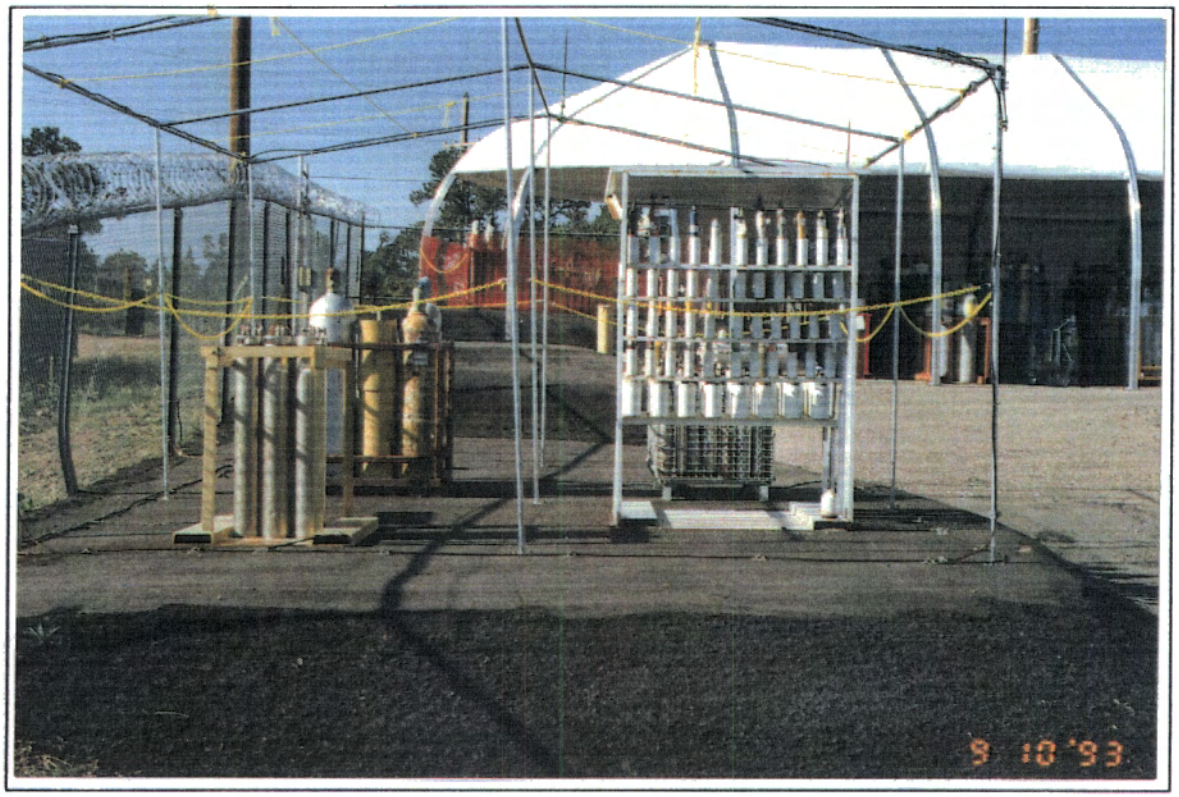
TA-54, Area L, Process Code S01, Container Storage Area
(Corresponds to Area 3, south section on Figure 18)



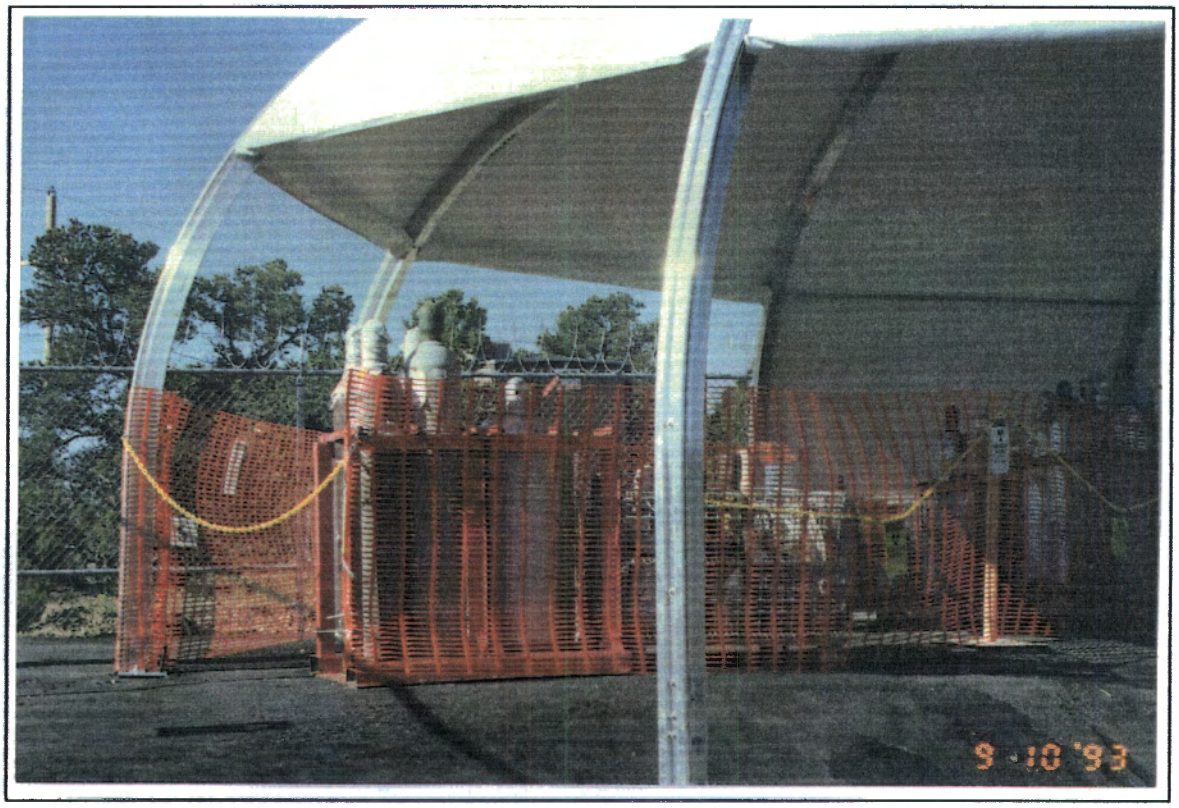
TA-54, Area L, Process Code S01, Container Storage Area
(Corresponds to Area 3, north section on Figure 18)

TA-54, Area L, Process Code S01, Container Storage Area
(Corresponds to Area 4 on Figure 18)

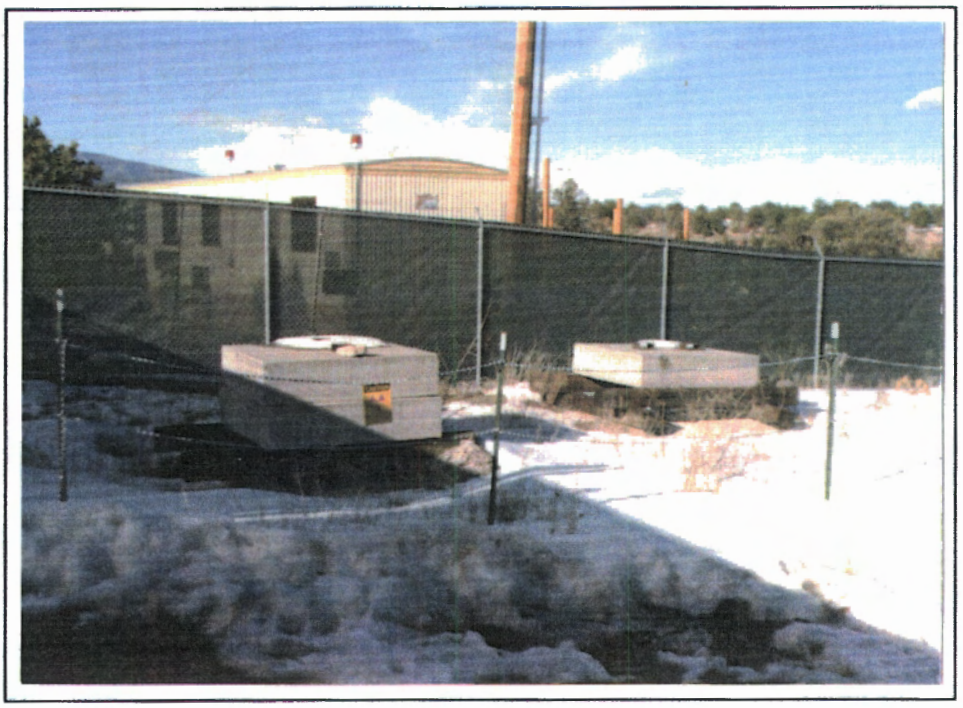
TA-54, Area L, Process Code S01, Container Storage Area
(Corresponds to Area 5 on Figure 18)



TA-54, Area L, Process Code S01, Gas Cylinder Storage Area
(Corresponds to Area 6 on Figure 18)



TA-54, Area L, Process Code S01, Gas Cylinder Storage Area
(Corresponds to Area 7 on Figure 18)



TA-54, Area L, Process Code S01, Storage Shafts 36 & 37
and Site of Planned Storage Shaft

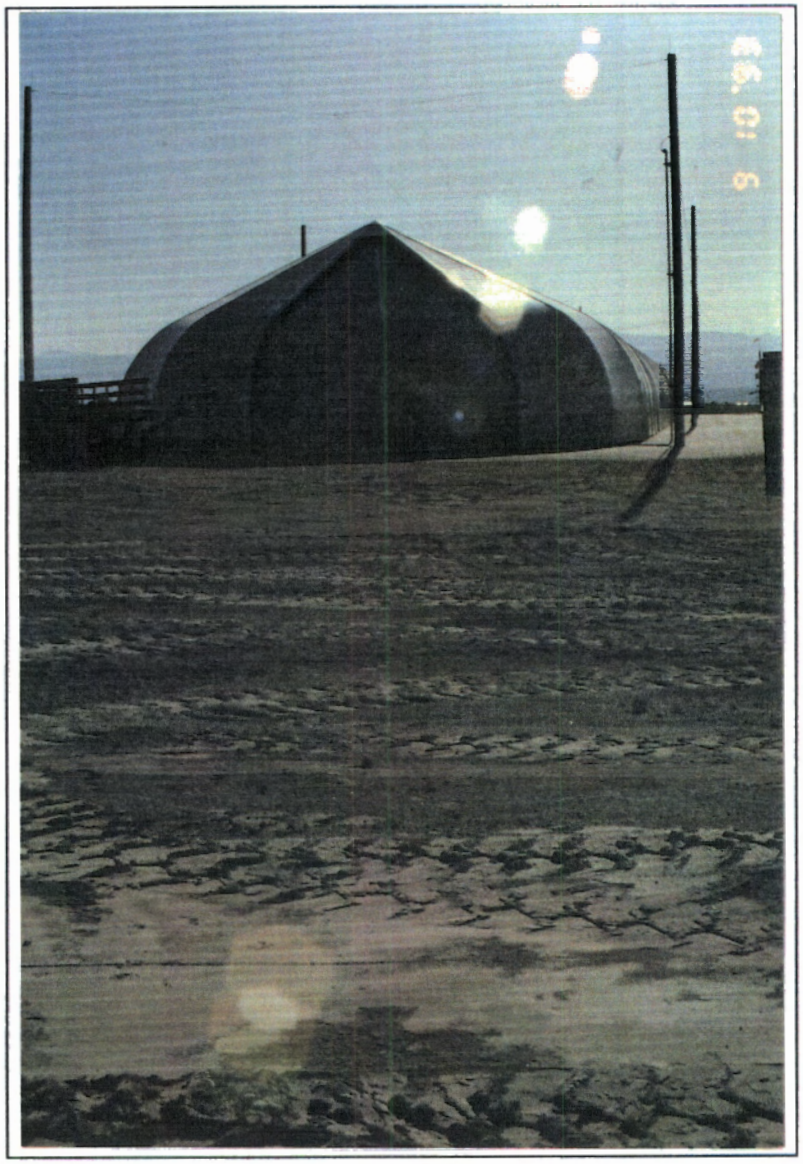
TA-54-8, Area G, Process Code S01, Container Storage Area/
Storage Shed 8

TA-54, Area G, Process Code S01, Container Storage Area/
Storage Pad No. 1

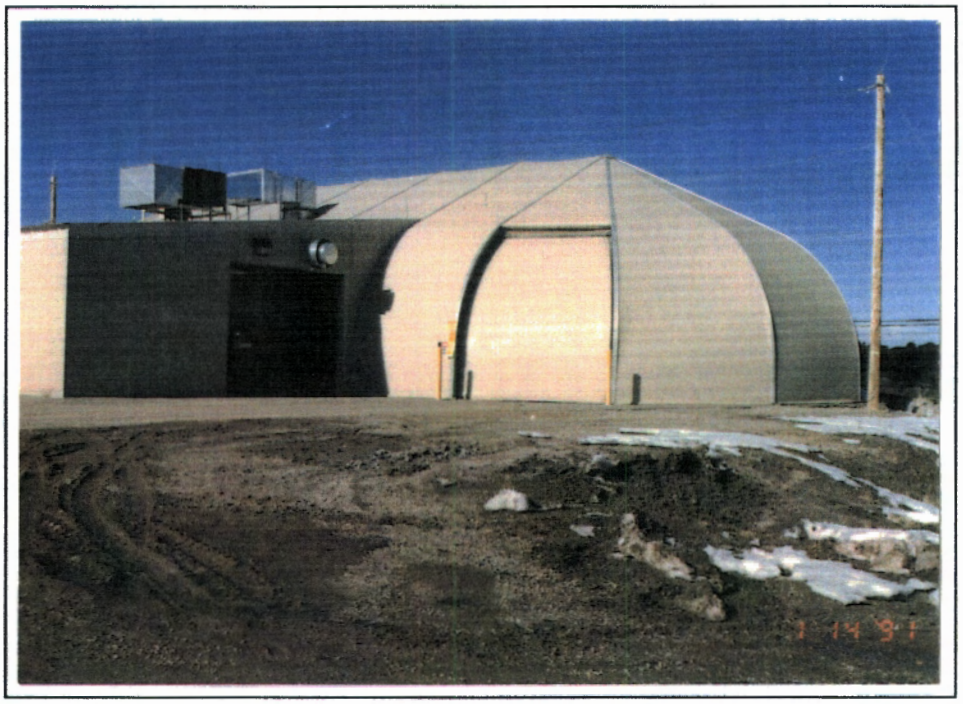
TA-54, Area G, Process Code S01, Container Storage Area/
Storage Pad No. 4

TA-54, Area G, Process Code S01, Container Storage Area/
Storage Pad No. 2

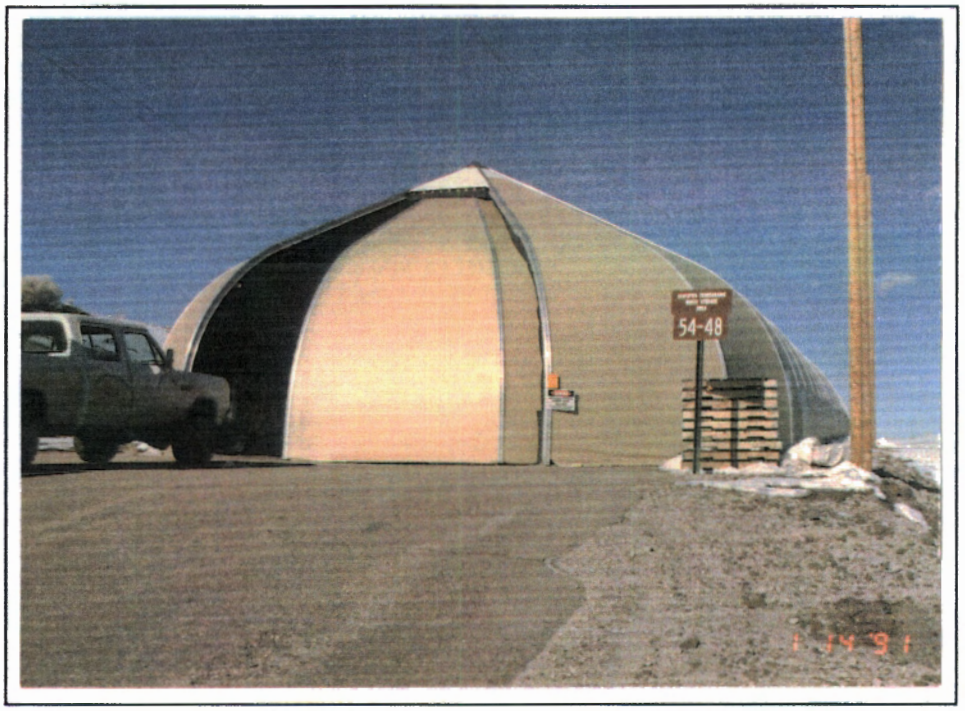
TA-54, Area G, Process Code S01, Container Storage Area
(Foreground of photograph is planned site of Storage Domes A, B, C, and D)



TA-54-153, Area G, Process Code S01, Storage Dome 153/Storage Pad No. 6
(Foreground is planned expansion area for pad and Storage Dome 283)



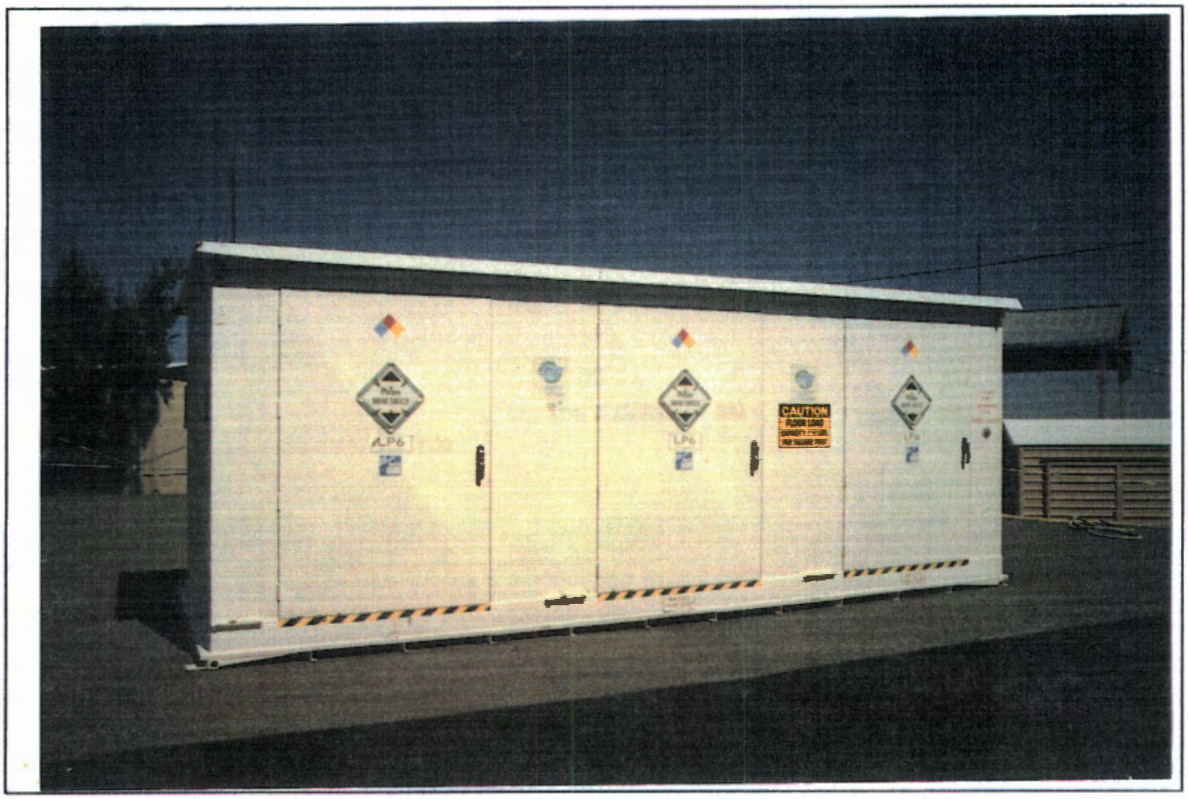
TA-54-33, Area G, Process Code S01, Container Storage Area/
Drum Prep Facility



TA-54-48, Area G, Process Code S01, Storage Dome 48/Storage Pad No. 3

TA-54, Area G, Process Code S01, Retrievable Storage Shafts 145 and 146

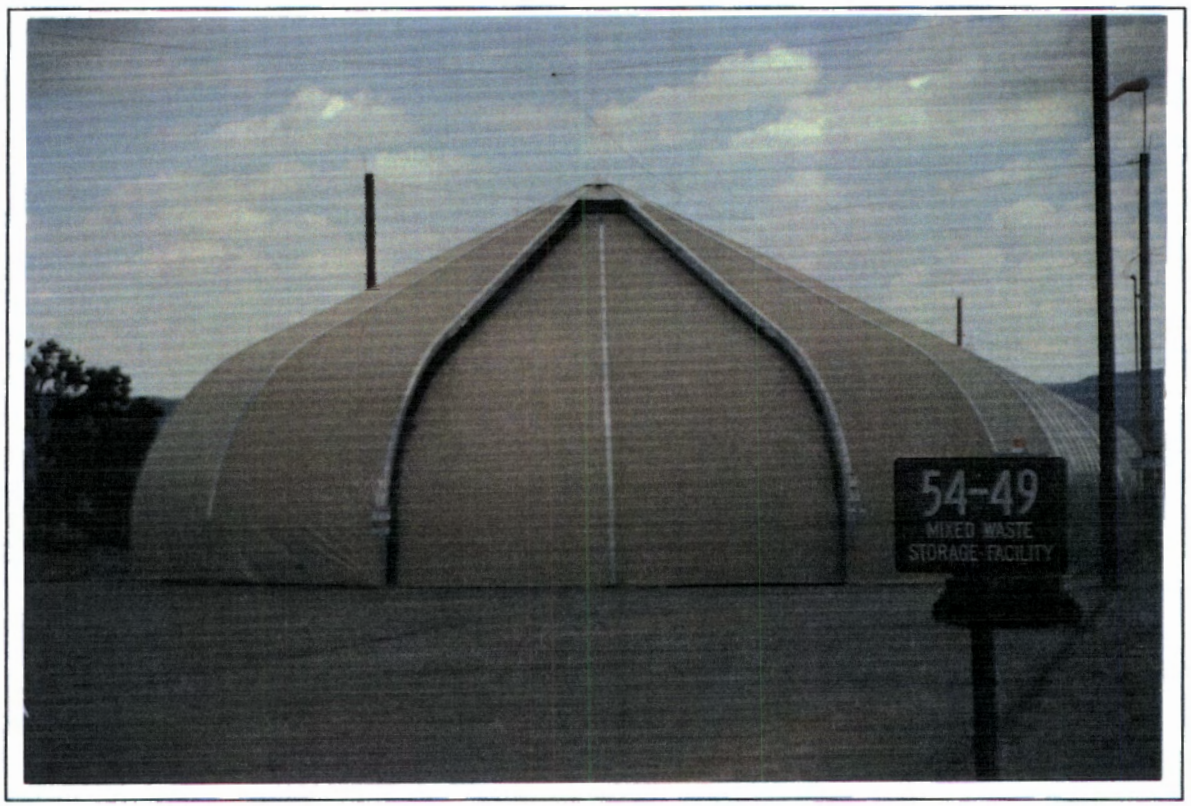
TA-54-224, Area G, Process Code S01, Planned location of
Storage Dome 224/Storage Pad No. 8



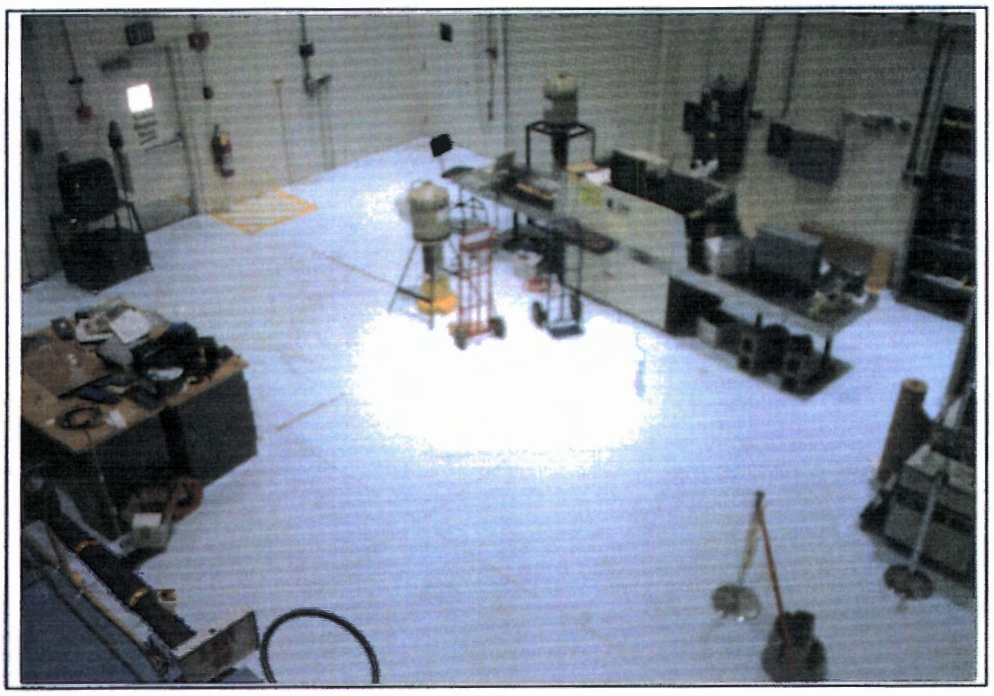
TA-54, Area G, Process Code S01,
Container Storage Areas/Storage Sheds 1027, 1028, 1029, and 1041
(Photo represents the type of sheds that will be placed on
Storage Pad 7; see planned location below.)

TA-54, Area G, Process Code S01, Planned Location for Storage Sheds
1027, 1028, 1029, and 1041 (Near TA-54-49)

TA-54-49, Area G, Process Code S01, Storage Dome 49



TA-54-49, Area G, Process Code S01, Storage Dome 49



TA-54-38, Process Code S01, Container Storage Area/
NDA/NDE Facility (NDA/NDE Bay)

TA-54-38, Process Code S01, Container Storage Area/
NDA/NDE Facility (Transportation Bay)

Photographs

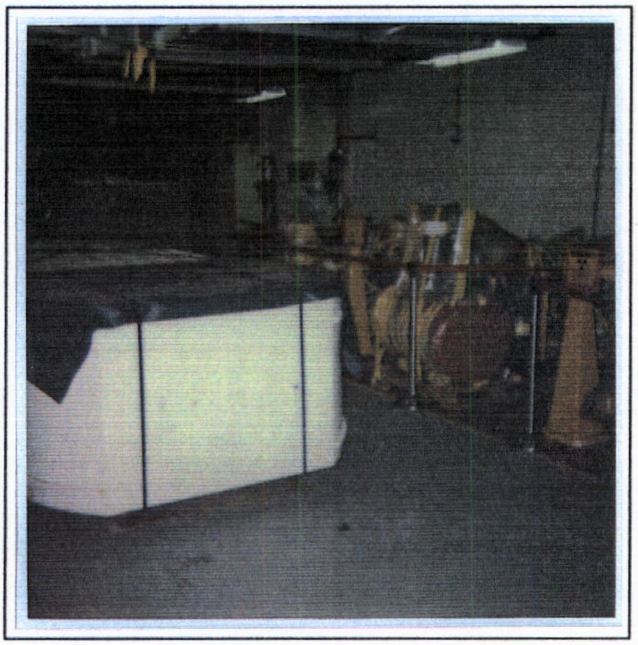
TA-55-4, Basement, Process Code S01, Vault Entrance (Corresponds to Figure 21)

TA-55-4, Basement, Process Code S01, Container Storage Area 1 for TRU Mixed Waste (Corresponds to Figure 21)

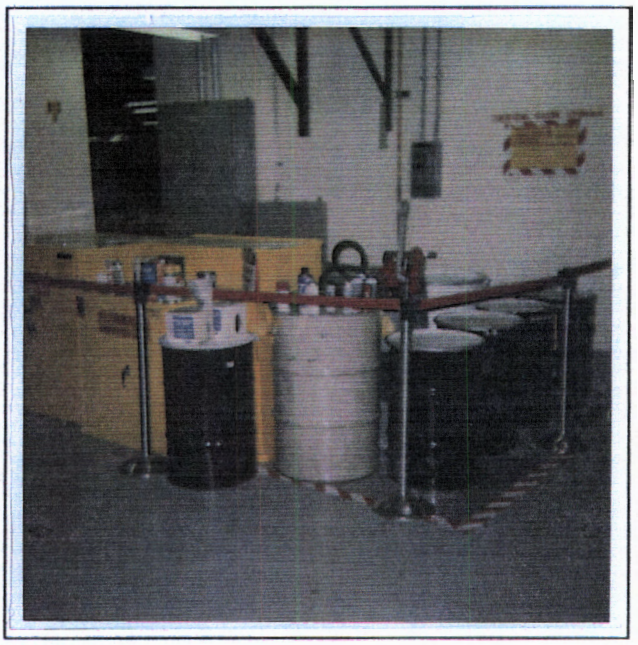
[This figure has been provided to the New Mexico Environment Department under separate cover as Unclassified Controlled Nuclear Information (UCNI) defined by Section 148 of the Atomic Energy Act.]

TA-55-4, Basement, Process Code S01, Container Storage Area 2 for TRU Mixed Waste (Corresponds to Figure 21)

TA-55-4, Basement, Process Code S01, Container Storage Area 3 for TRU Mixed Waste (Corresponds to Figure 21)

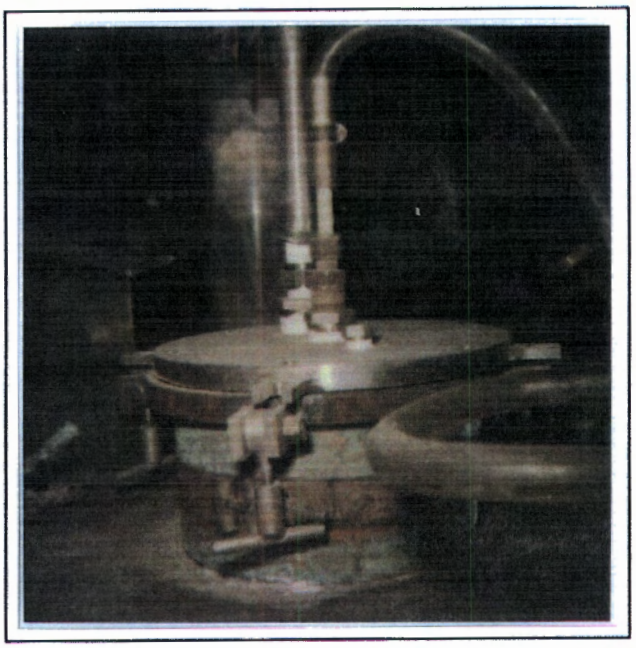


TA-55-4, Basement, Process Code S01., Container Storage Area for Oversized TRU Mixed Waste (Corresponds to Figure 21)

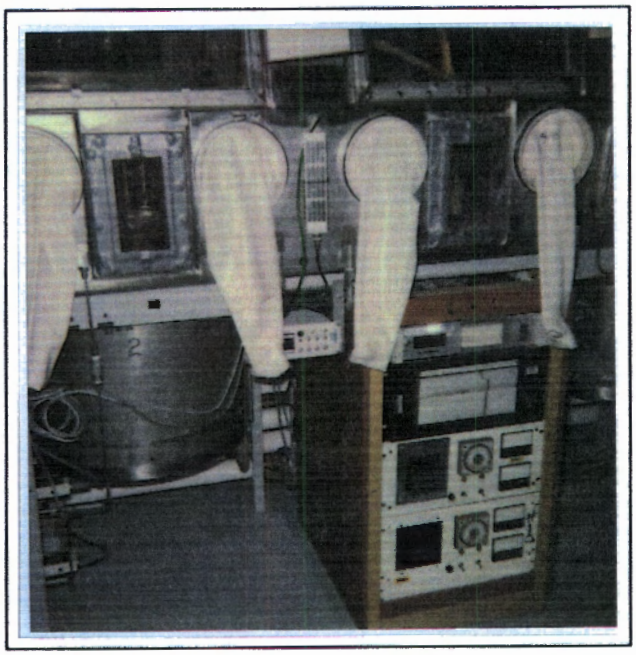


TA-55-4, Basement, Process Code S01, Container Storage Area for Low-Level Mixed Waste (Corresponds to Figure 21)

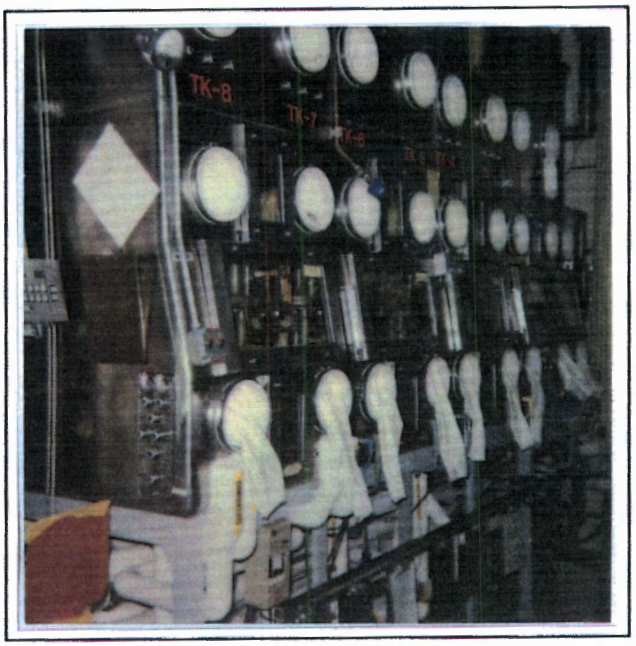
TA-55-4, Basement, North End, Process Code S01, Container Storage Area
(Corresponds to Figure 21)



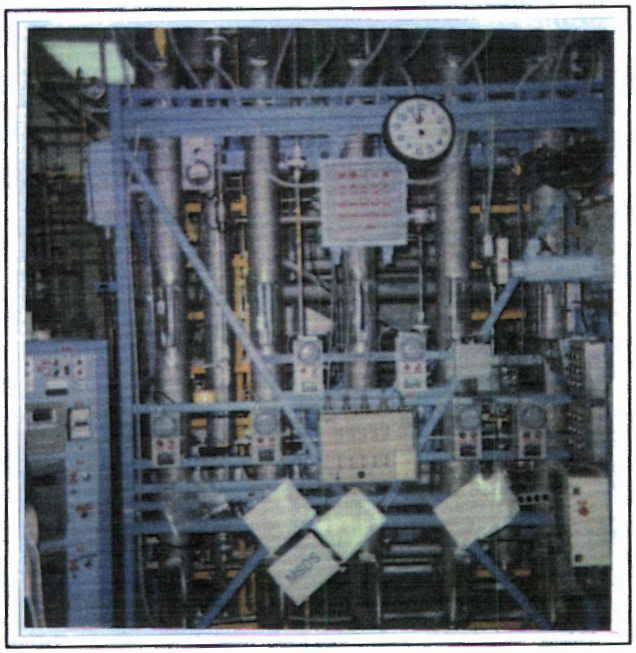
TA-55-4, Room 429, Process Code T04,
Oxygen Sparging Furnace Glovebox
(Corresponds to Figure 22)



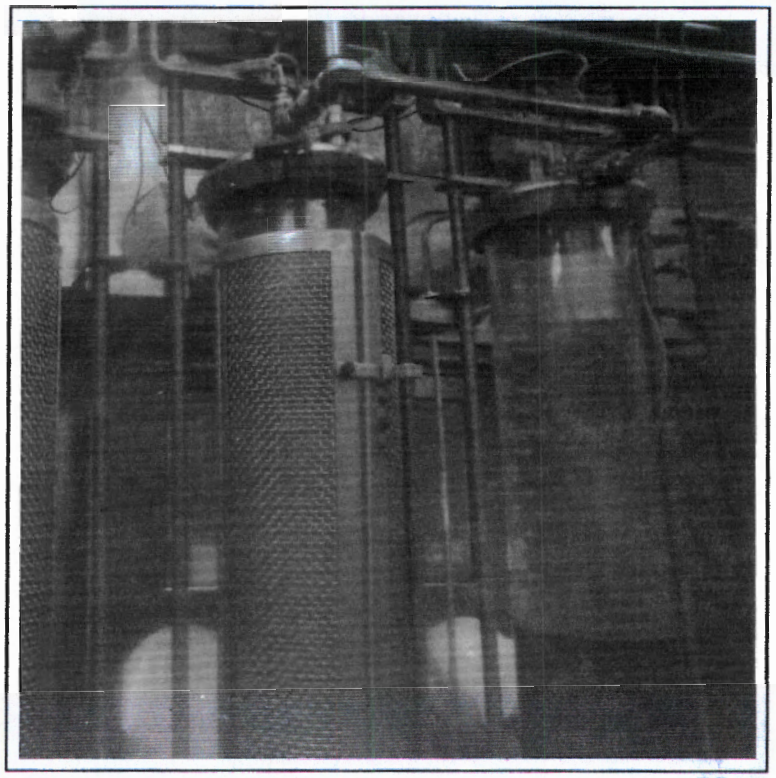
TA-55-4, Room 429, Process Code T04,
Oxygen Sparging Furnace
(Corresponds to Figure 22)



TA-55-4, Room 401, Process Code S01,
Evaporator Bottoms Salt Glovebox
(Corresponds to Figure 22)

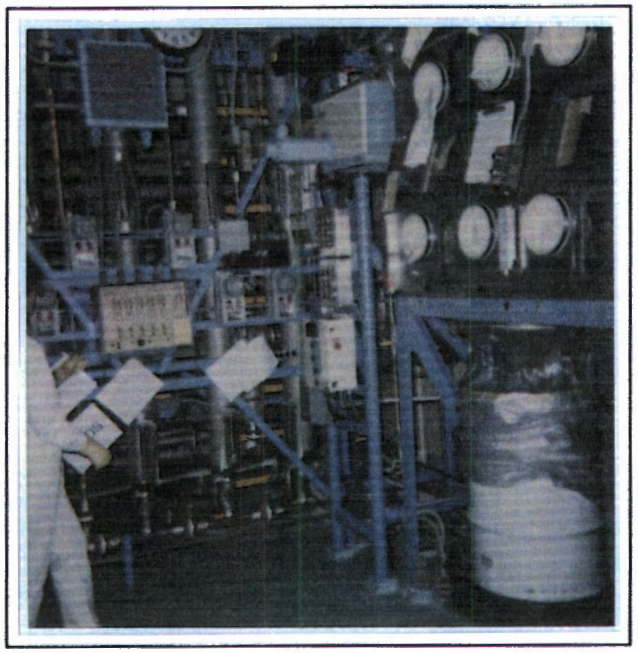


TA-55-4, Room 401, Process Code S02, Evaporator Bottoms
Filtrate Tanks (5) for Cementing Process
(Corresponds to Figure 22)



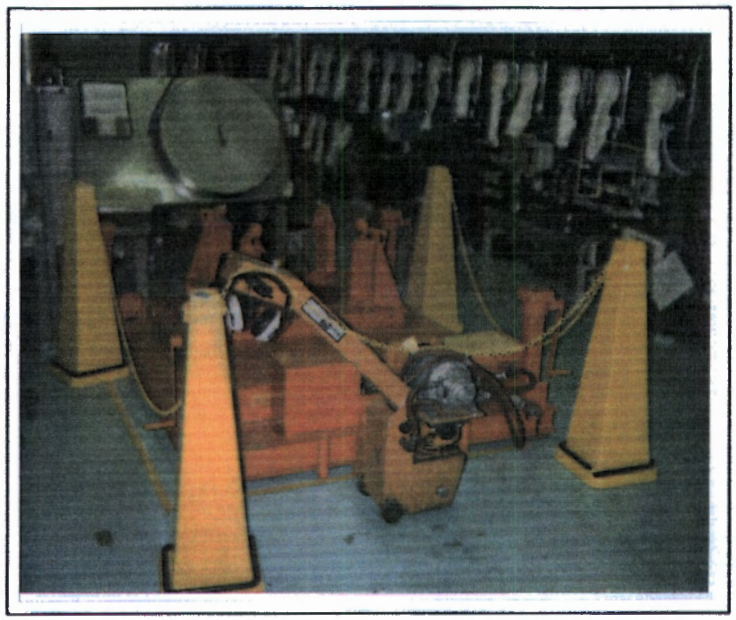
TA-55-4, Room 401, Process Code S02, Evaporator Bottoms Filtrate Storage Tanks in Evaporator Salt Glovebox
(Photograph represents eight tanks)
(Corresponds to Figure 22)

TA-55-4, Room 401, Process Code T04, Cementing Process Glovebox
(Corresponds to Figure 22)



TA-55-4, Room 401, Process Code T04, Cementing Process
Glovebox and Evaporator Bottoms Filtrate Tanks (5)
(Corresponds to Figure 22)

TA-55-4, Room 401, Process Code S01, Container Storage Area for Mixed Waste Monitoring
(Corresponds to Figure 22)



TA-55-4, Room 401, Process Code S01, Container Storage Area for Sphere Material Removal
(Corresponds to Figure 22)

TA-55-4, Room 432, Process Code S01, Container Storage Area for Glovebox Process Wastes
(Corresponds to Figure 22)

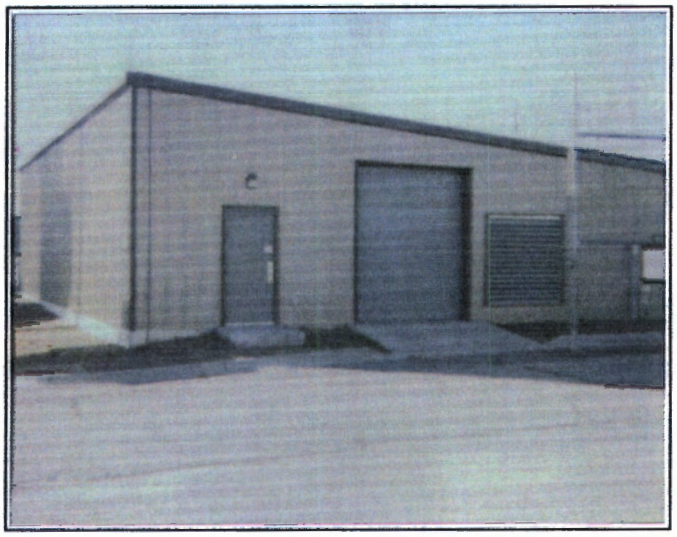
TA-55-4, Room 433, Process Code S01, Container Storage Area for Mixed Waste Monitoring
(Corresponds to Figure 22)

TA-55-4, Process Code S01, Container Storage Pad
(Corresponds to Figure 20)

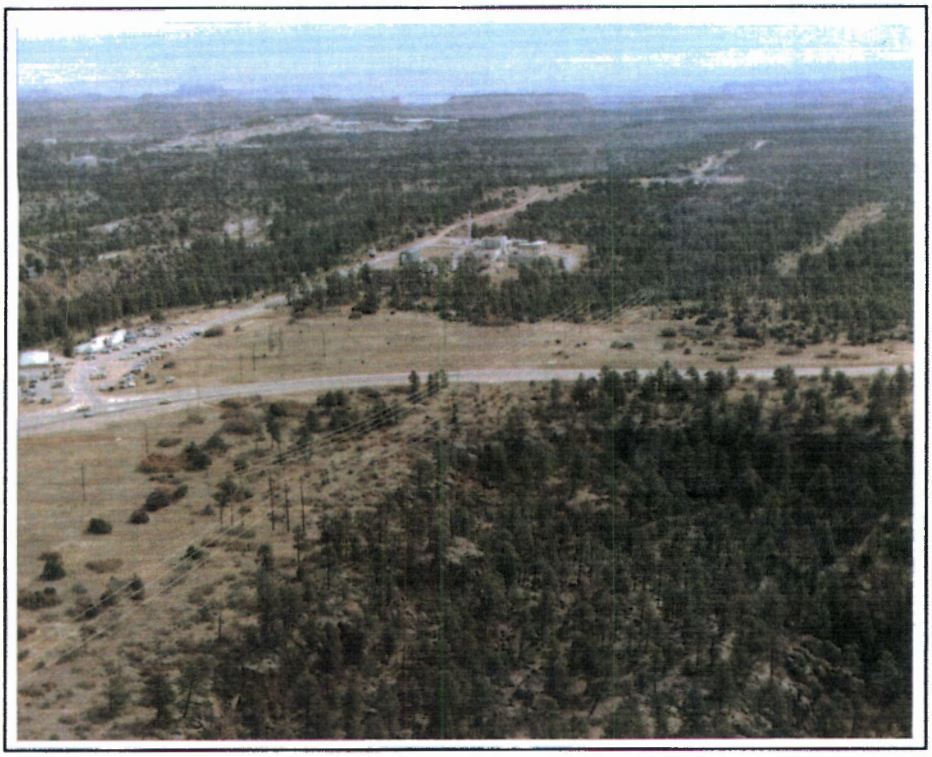
TA-55-4, Process Code S01, Container Storage Pad
(Corresponds to Figure 20)

TA-55-41, Process Code S01, Container Storage Area
(Container storage area will be located in
a vault within the building pictured;
corresponds to Figure 20)

TA-55-41, Process Code S01, Container Storage Room
(Example of room that may
be used for container storage;
corresponds to Figure 20)

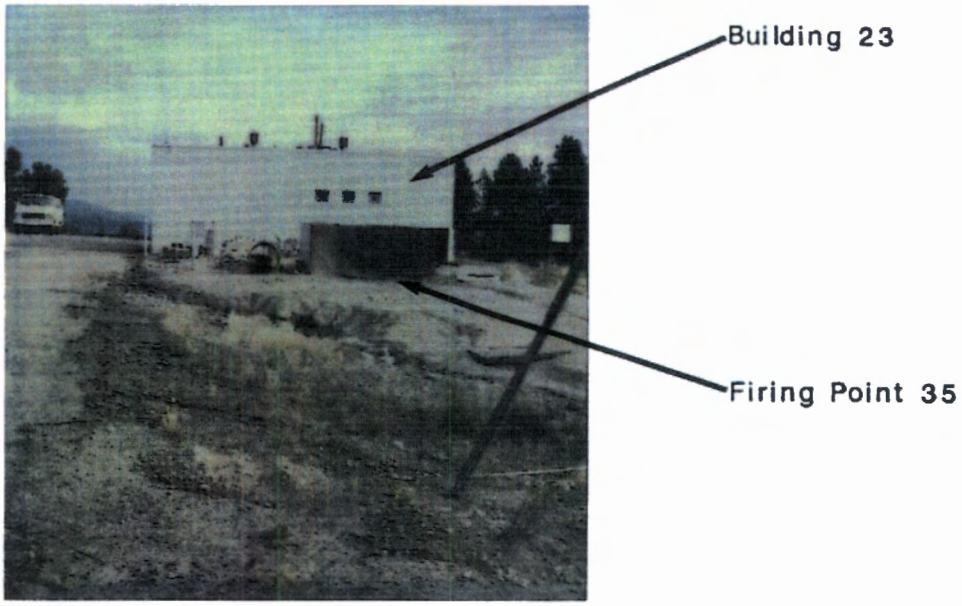


TA-55-185, Process Code S01, Container Storage Area
(Container storage area will be located within
the building pictured; corresponds to Figure 22A)

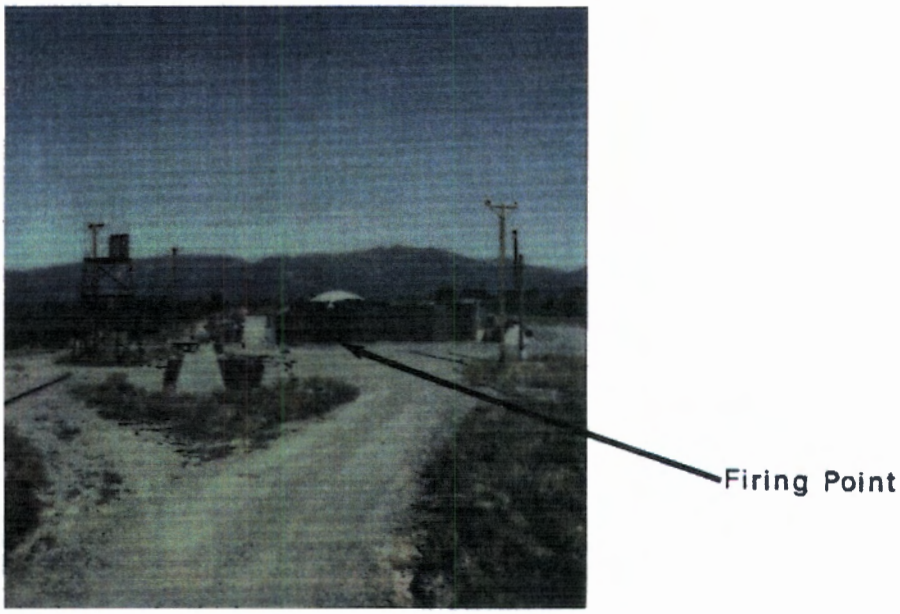


TA-63, Process Codes S02, T01, Storage and Treatment in Tanks,
Site of the Hazardous Waste Treatment Facility
(View looking northeast. TA-66 is the foreground;
TA-63 is the open space on the northeast side of Pajarito Road.)

TA-63, Process Codes S02, T01, Storage and Treatment in Tanks,
Site of the Hazardous Waste Treatment Facility
(View of TA-63 looking east)



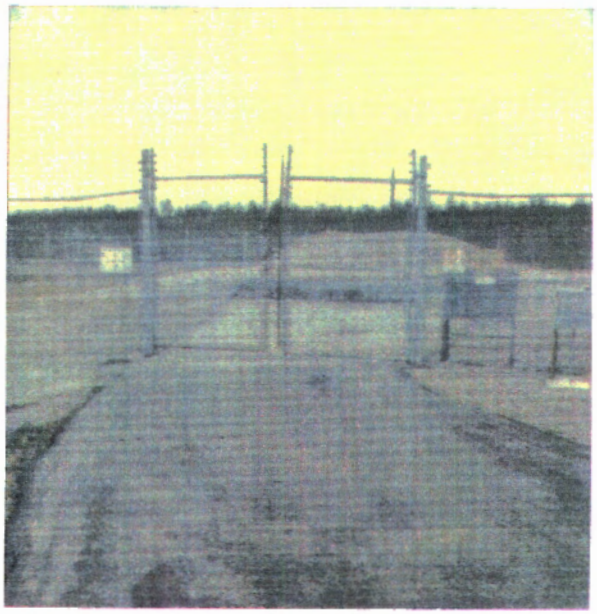
TA-14-23 and 35



TA-15, Phermex

TA-16-387
Burn pad for flashing equipment

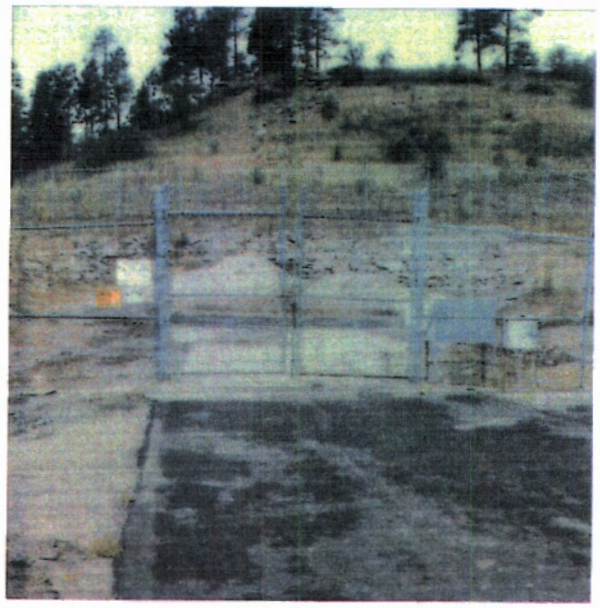
TA-16-401
Pressure vessel for dried HE sludge and associated storage area



TA-16-399
Burn pad

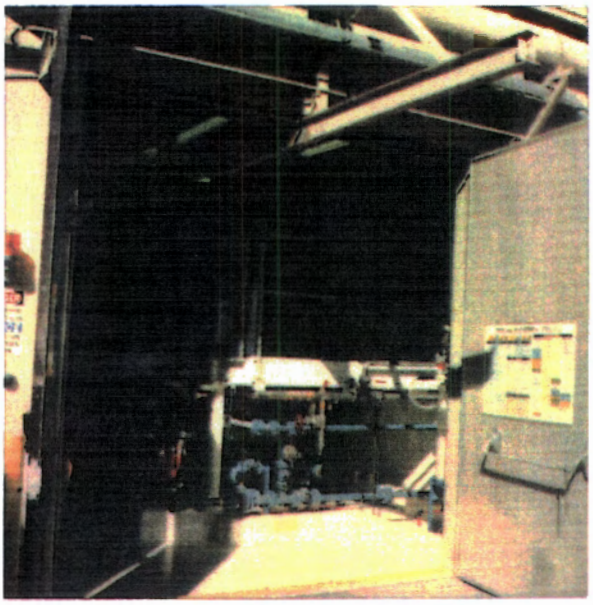
TA-16-406
Pressure Vessel for dried HE sludge and associated storage area

TA-16-394
Burn pan for HE

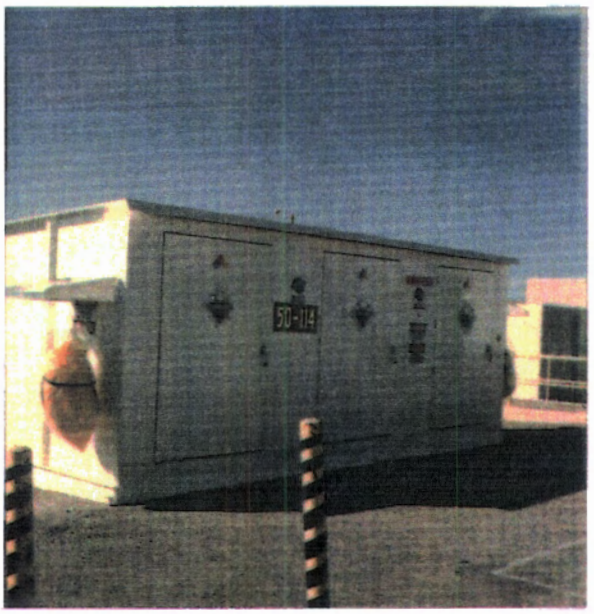


TA-16-388
Burn pad

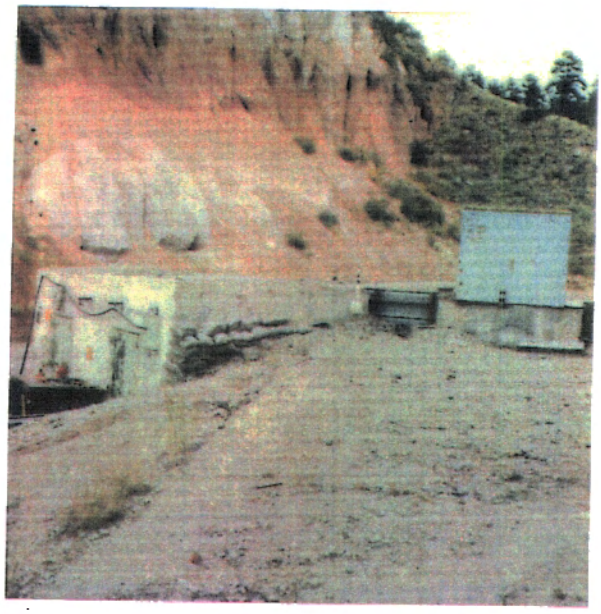
TA-36-8, Kappa 8
Firing Point



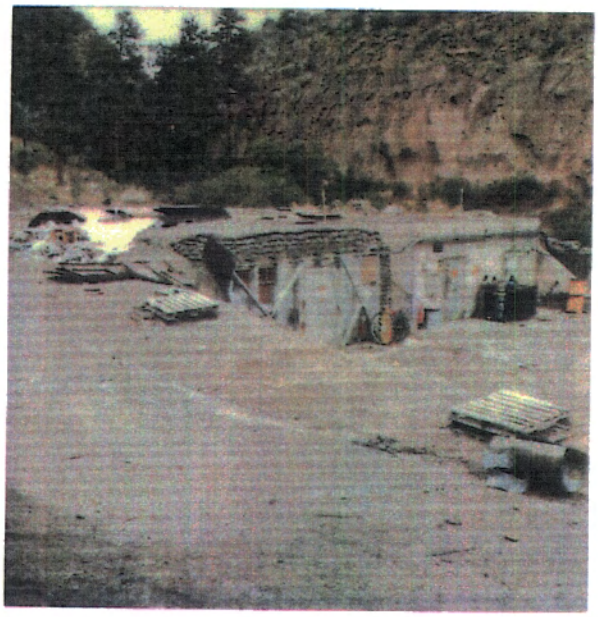
TA-50-1
Batch Waste Treatment



TA-50-114
Hazardous Waste Storage Module



TA-39-57
Firing Point



TA-39-6
Firing Point

TA-54, Area L Aerial Photograph