



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

HAND DELIVERED

JUL 22 1998

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Robert S. (Stu) Dinwiddie, Ph.D., Manager
 RCRA Permits Management Program
 Hazardous and Radioactive Materials Bureau
 New Mexico Environment Department
 2044 Galisteo St., Bldg. A
 P. O. Box 26110
 Santa Fe, NM 87505

Dear Dr. Dinwiddie:

Reference: Los Alamos National Laboratory (LANL) Response to Request for Supplemental Information (RSI); General Part A Permit Application, Revision 0.0

The purpose of this letter is to respond to the RSI issued by the New Mexico Environment Department (NMED) Hazardous and Radioactive Materials Bureau on June 18, 1998, to the U. S. Department of Energy and the Regents of the University of California. LANL's "General Part A Permit Application," Revision 0.0, was submitted to NMED in April 1998.

The enclosed information package consists of responses to five comments included in Attachment A of the RSI. NMED's comments are shown in italics for clarity. Comments 1 through 4 requested additional maps and scale drawings describing wells, springs, surface water sampling stations, and canyon names to be supplied for inclusion with the General Part A Permit Application. These have been provided, and make up the majority of the information submittal. Comment 5 requests additional data to prove the Wastewater Treatment Facility at Technical Area 16 does not receive hazardous waste. The response to this comment refers NMED to the discussion regarding this issue prepared in response to the June 17, 1998 "Request for Supplemental Information: Part B Permit Application for Technical Area 16, EPA I. D. No. NM 089 001 0515." The submittal also includes a certification statement to match the original Part A Permit Application.

If you have any questions or comments regarding this response, please contact me at (505) 665-5042.

Sincerely,

[Handwritten Signature]
 H. L. "Jody" Plum
 Office of Environment

LAAME:3JP-087

Enclosure

cc:
 See page 2



15715

RED LANL 6/17/98

TL

Dr. Robert S. Dinwiddie

2

JUL 22 1998

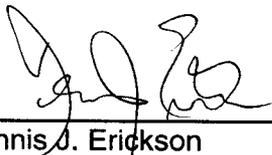
cc w/o enclosure:

Benito Garcia, Bureau Chief
Hazardous and Radioactive Materials Bureau
New Mexico Environment Department
2044 Galisteo St., Bldg. A
P. O. Box 26110
Santa Fe, NM 87505

John Kieling
RCRA Permits Management Program
Hazardous and Radioactive Materials Bureau
New Mexico Environment Department
2044 Galisteo St., Bldg. A
P. O. Box 26110
Santa Fe, NM 87505

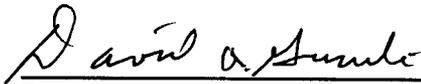
CERTIFICATION

In accordance with the New Mexico Administrative Code, Title 20, Chapter 4, Part 1, Subpart IX, 270.11(d), [3-1-97], 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 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.



Dennis J. Erickson
Division Director for Environment, Safety, and
Health Division
Los Alamos National Laboratory
Operator

July 21, 1998
Date Signed



David A. Gurule
Area Manager, Los Alamos Area Office
U.S. Department of Energy
Albuquerque Operations
Owner/Operator

7/23/98
Date Signed

**LOS ALAMOS NATIONAL LABORATORY'S
RESPONSE TO "REQUEST FOR SUPPLEMENTAL
INFORMATION; GENERAL PART A PERMIT
APPLICATION, REVISION 0.0"**

The following is provided as a response to the Request for Supplemental Information on Los Alamos National Laboratory's (LANL) General Part A Permit Application, dated June 18, 1998.

**ATTACHMENT A
REQUEST FOR SUPPLEMENTAL INFORMATION COMMENTS**

- 1) *The Technical Area (TA)-specific topographic maps supplied with the Part A lack depictions of wells, springs, and other surface water bodies as required by 20 NMAC 4.1, Subpart X, 40 CFR § 270.13(l). The topographic maps should also include locations of surface water sampling stations, where they border or are inside TA boundaries. LANL shall provide topographic maps which include these features.*

Response: The TA-specific topographic maps have been revised to show the locations of wells, springs, and other surface water bodies, including surface water sampling stations where they border or are inside TA boundaries. These topographic maps are included in the TA-specific tabbed sections of this Request for Supplemental Information (RSI) Response, except for the TA-40 map, which is included in the "General" tab of this RSI Response. TA-40 information had been included in the "General" section of the General Part A because closure of the unit was approved and there are no active units in operation at TA-40.

- 2) *The TA-specific topographic maps supplied with the Part A lack depictions of drinking water wells listed in public records or otherwise known to the applicant within ¼ mile of the facility boundary, as required by 20 NMAC 4.1, Subpart X, 40 CFR § 270.13(l). LANL shall provide topographic maps which include these features.*

Response: The TA-specific topographic maps have been revised to show the locations of water supply wells (drinking water wells). These topographic maps are included in the TA-specific tabbed sections of this RSI Response, except for the TA-40 map, which is included in the "General" tab.

- 3) *The TA-specific topographic maps supplied with the Part A lack the names of the canyons which border and/or run through many Technical Areas. LANL shall provide topographic maps which include these features.*

Response: The TA-specific topographic maps have been revised to show the names of the canyons that border and/or run through the TAs. These topographic maps are included in

the TA-specific tabbed sections of this RSI Response, except for the TA-40 map, which is included in the "General" tab.

- 4) *The Part A lacks a scale drawing of the hazardous waste unit at TA-40, as per 20 NMAC 4.1, Subpart X, 40 CFR § 270.13(h), which requires a scale drawing of all past, present, and future Treatment, Storage, or Disposal (TSD) units. LANL shall provide a scale drawing which includes past TSDs at TA-40.*

Response: An 8.5 x 11-inch scale drawing of the closed hazardous waste unit at TA-40 is included in the "General" tab of this RSI Response.

- 5) *The Part A lacks information on the Wastewater Treatment Facility at TA-16. LANL must provide HRMB with sufficient data to prove this facility does not receive RCRA hazardous waste, or include it in LANL's TA-16 Part B permit application.*

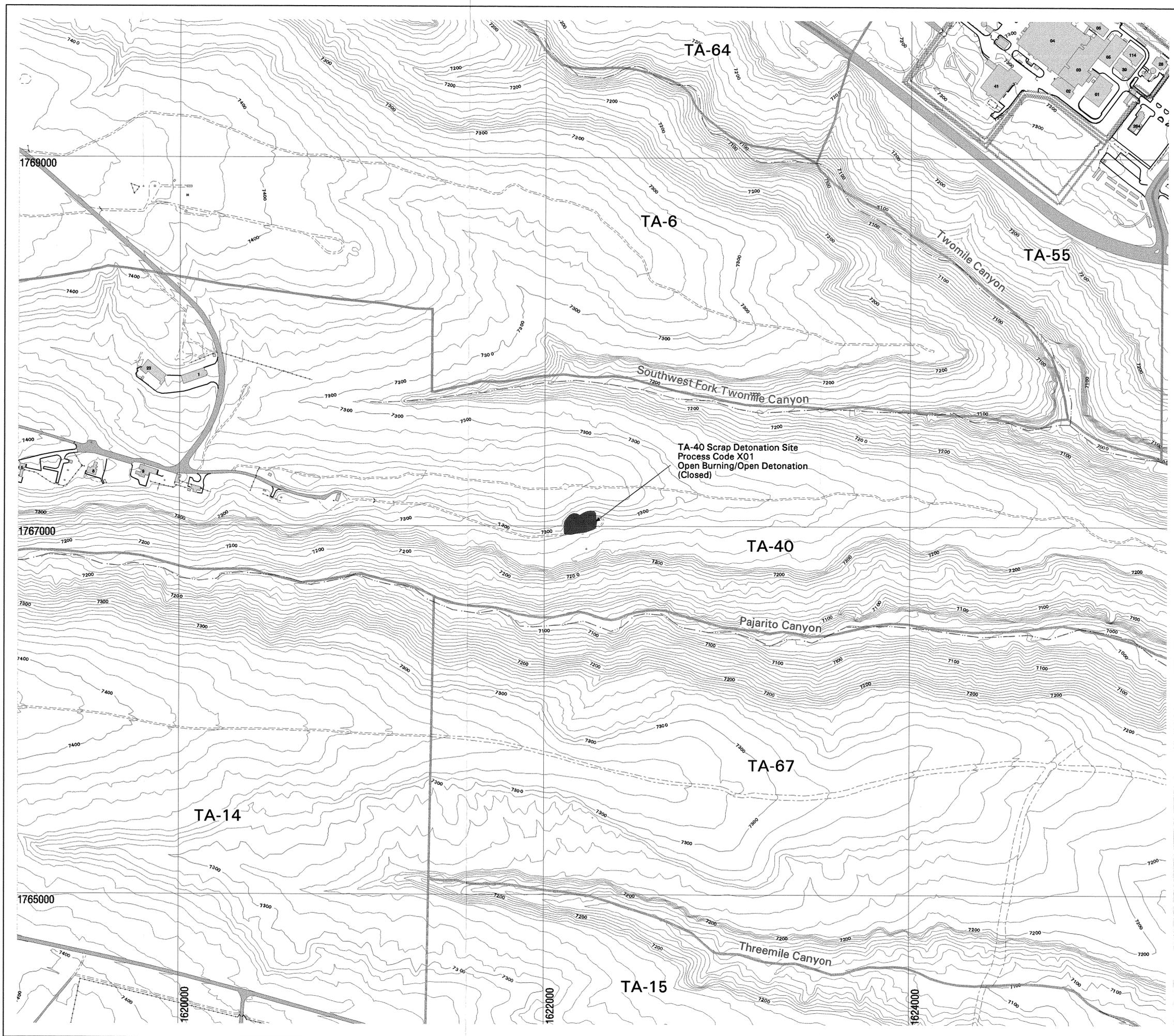
Response: Please refer to LANL's response to the June 17, 1998, "Request for Supplemental Information: Part B Permit Application for Technical Area 16, EPA I.D. No. NM 089 001 0515," for information on the Wastewater Treatment Facility at TA-16.

**Los Alamos National Laboratory's Response
to "Request for Supplemental Information;
General Part A Permit Application,
Revision 0.0"**

Prepared by:

*Los Alamos National Laboratory
Hazardous and Solid Waste Group (ESH-19)
Los Alamos, New Mexico 87545*

July 1998



LEGEND

- Boundary, TA
- Contour, 10 foot
- Contour, 100 foot
- Fence, Industrial
- Fence, Security
- Road, Paved
- Road, Dirt
- Road/Trail
- Stream, Intermittent
- Stream, Perennial
- Structure
- Closed Unit

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

- Abandoned/Plugged Well
- LAOR Well
- Other Monitoring Well
- Surface Water Sampling Station
- Spring

15715-A

Contour Map Showing the Location of the Hazardous Waste Unit at Technical Area (TA) 40

University of California
 Los Alamos National Laboratory
 Earth and Environmental Sciences Division
EES-5 GIS TEAM
 Produced by: Marcia Jones
 Date: July 06, 1998 GIS Plot ID: G106740

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 = 250
 SCALE 1:30000

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 Department. Contour data is from Los Alamos National Laboratory Environmental Restoration Program aerial survey, September 1991.

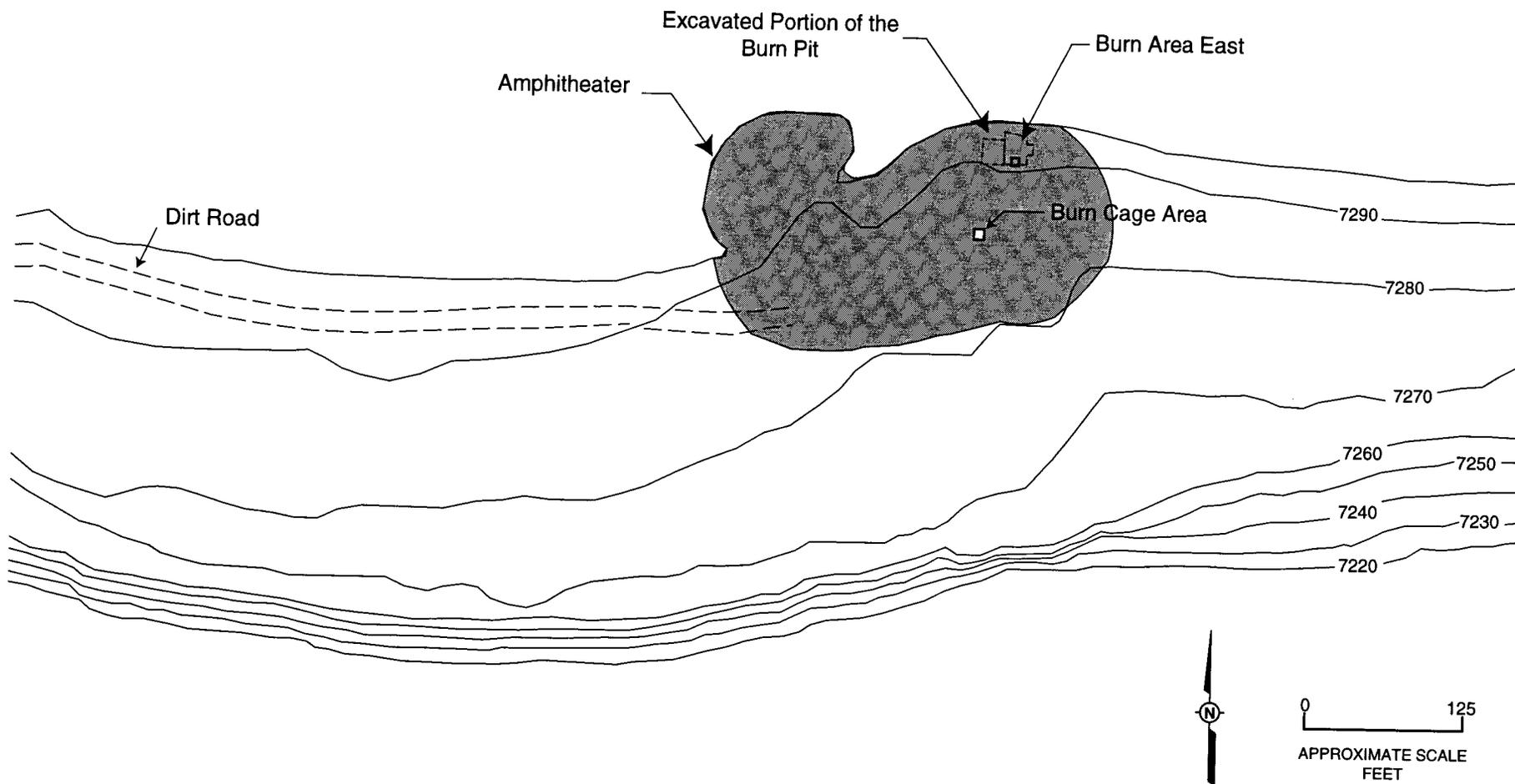
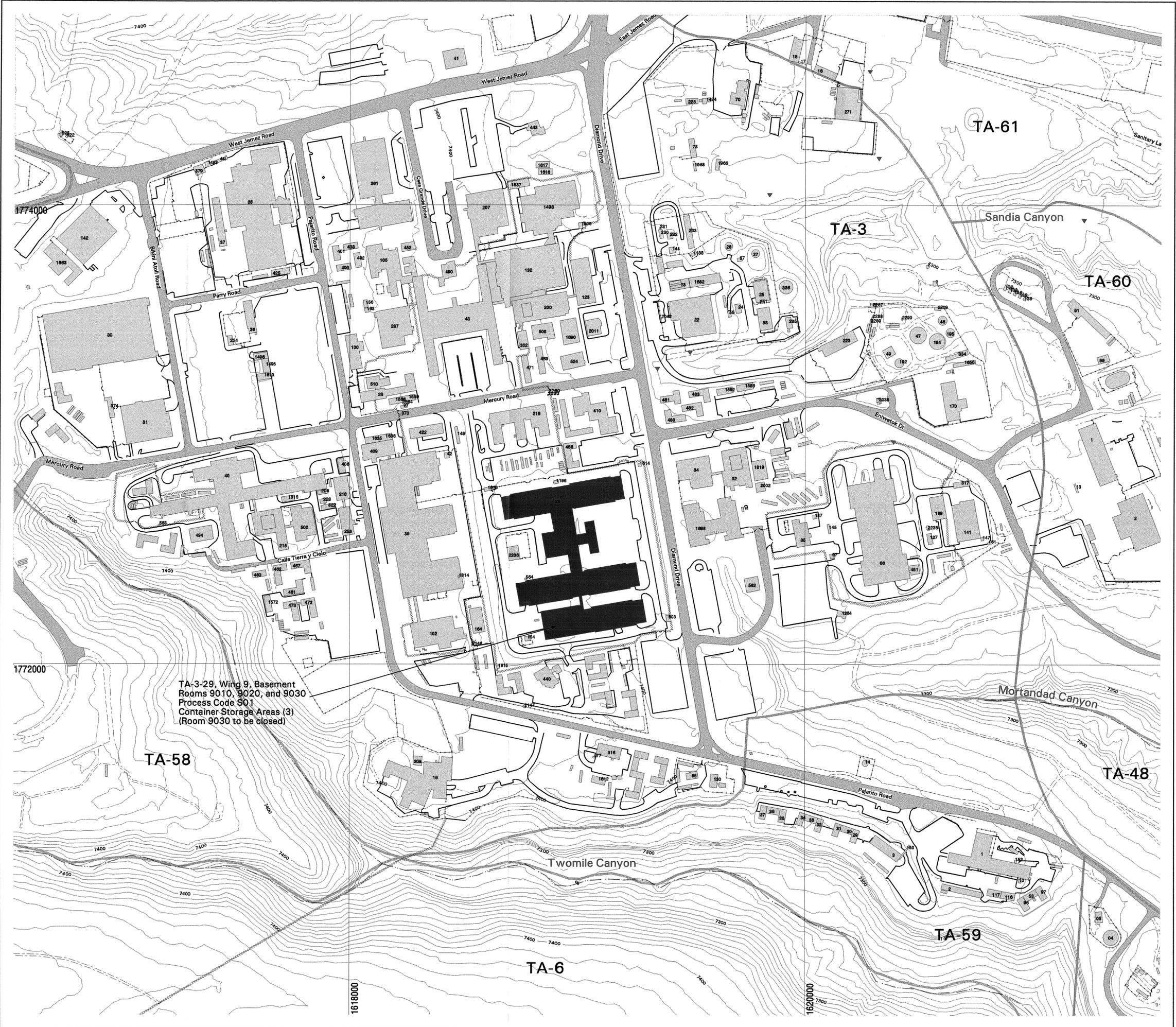


Figure 40-1
Location Map Showing the Closed Scrap Detonation
Site at Technical Area 40



LEGEND

- Boundary, TA
- Contour, 10 foot
- Contour, 100 foot
- Fence, Industrial
- Fence, Security
- Road, Paved
- Road, Dirt
- Road/Trail
- Stream, Intermittent
- Stream, Perennial

- Structure
- Structure Containing Regulated Units

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

- Abandoned/Plugged Well
- LAOR Well
- Other Monitoring Well
- Surface Water Sampling Station
- Spring

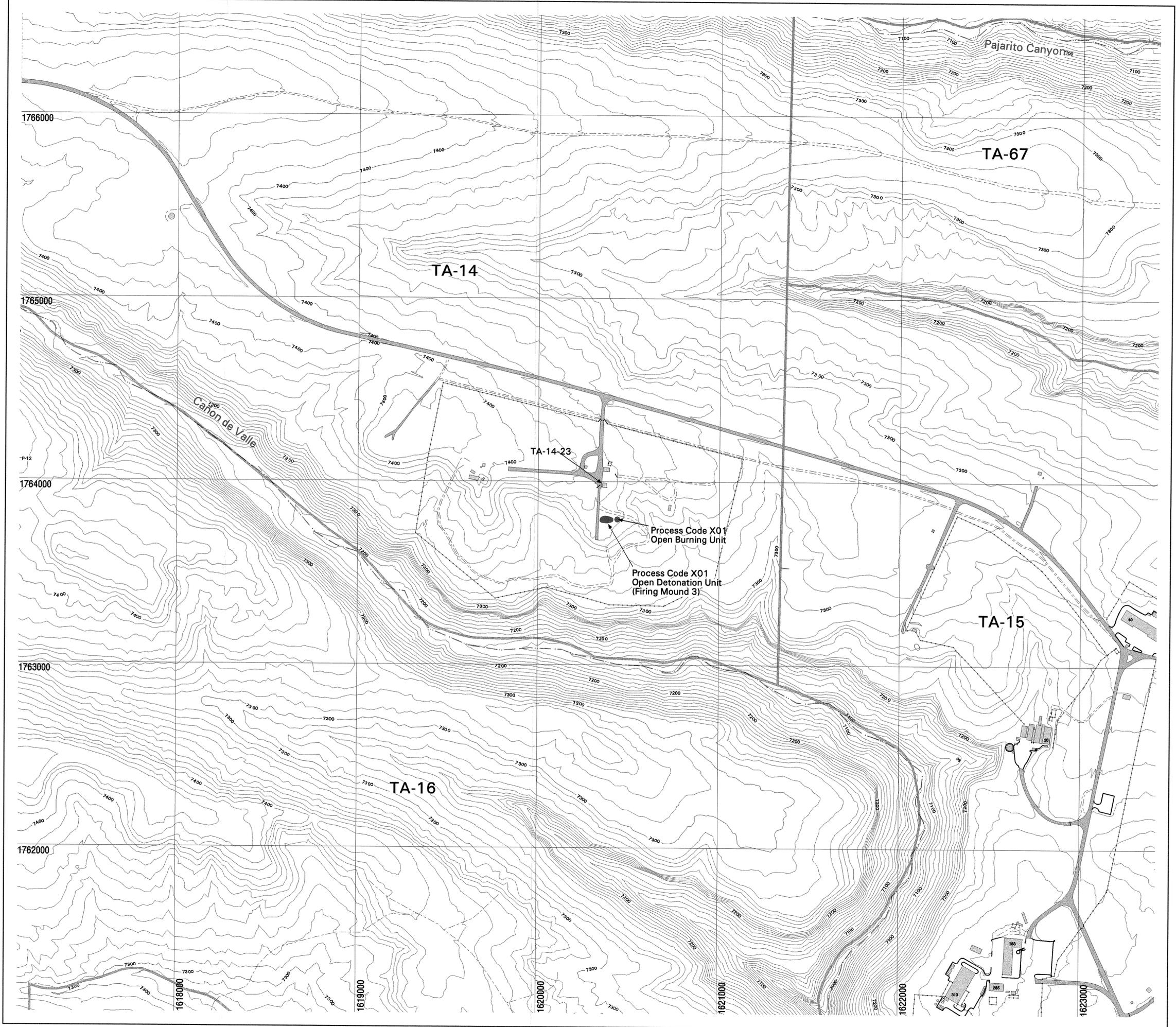
TA-3-29, Wing 9, Basement
Rooms 9010, 9020, and 9030
Process Code S01
Container Storage Areas (3)
(Room 9030 to be closed)

15715-B

Contour Map Showing the Location of the Hazardous and Mixed Waste Units at Technical Area (TA) 3

University of California
Los Alamos National Laboratory
Earth and Environmental Sciences Division
EES-5 GIS TEAM
Produced by: Marcia Jones
Date: July 06, 1998 GIS Plot ID: G106732

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 = 200
SCALE 1:2400
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. Base map sources: Boundary, structure, and utility data are from Los Alamos National Laboratory Engineering Division and Los Alamos County Utility and Engineering Department. Contour data is from Los Alamos National Laboratory Environmental Rehabilitation Program aerial survey, September 1991.



LEGEND

- Boundary, TA
- Contour, 10 foot
- Contour, 100 foot
- Fence, Industrial
- Fence, Security
- Road, Paved
- Road, Dirt
- Road/Trail
- Stream, Intermittent
- Stream, Perennial

- Structure
- Regulated Unit

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

- Abandoned/Plugged Well
- LAOR Well
- Other Monitoring Well
- Surface Water Sampling Station
- Spring

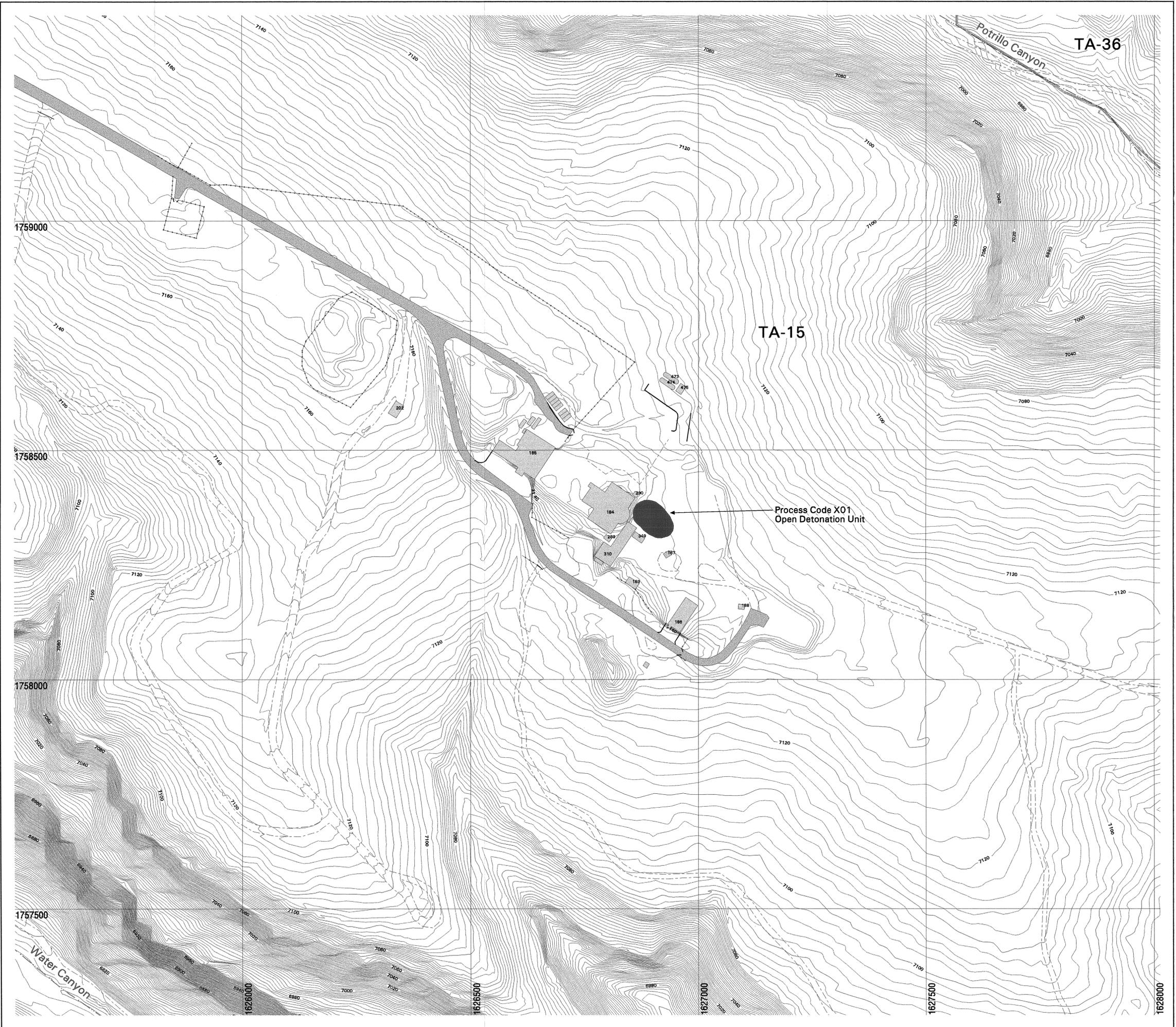
15715-C

Contour Map Showing the Locations of the Hazardous Waste Units at Technical Area (TA) 14

University of California
Los Alamos National Laboratory
Earth and Environmental Sciences Division
EES-5 GIS TEAM
Produced by: Marcia Jones
Date: July 06, 1998 GIS Plot ID: G106733

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

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. Base map 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 1981.



LEGEND

- Boundary, TA
- Contour, 2 foot
- Contour, 10 foot
- Fence, Industrial
- Fence, Security
- Road, Paved
- Road, Dirt
- Road/Trail
- Stream, Intermittent
- Stream, Perennial
- Structure
- Regulated Unit

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

- Abandoned/Plugged Well
- LAOR Well
- Other Monitoring Well

- Surface Water Sampling Station
- Spring

15715-D

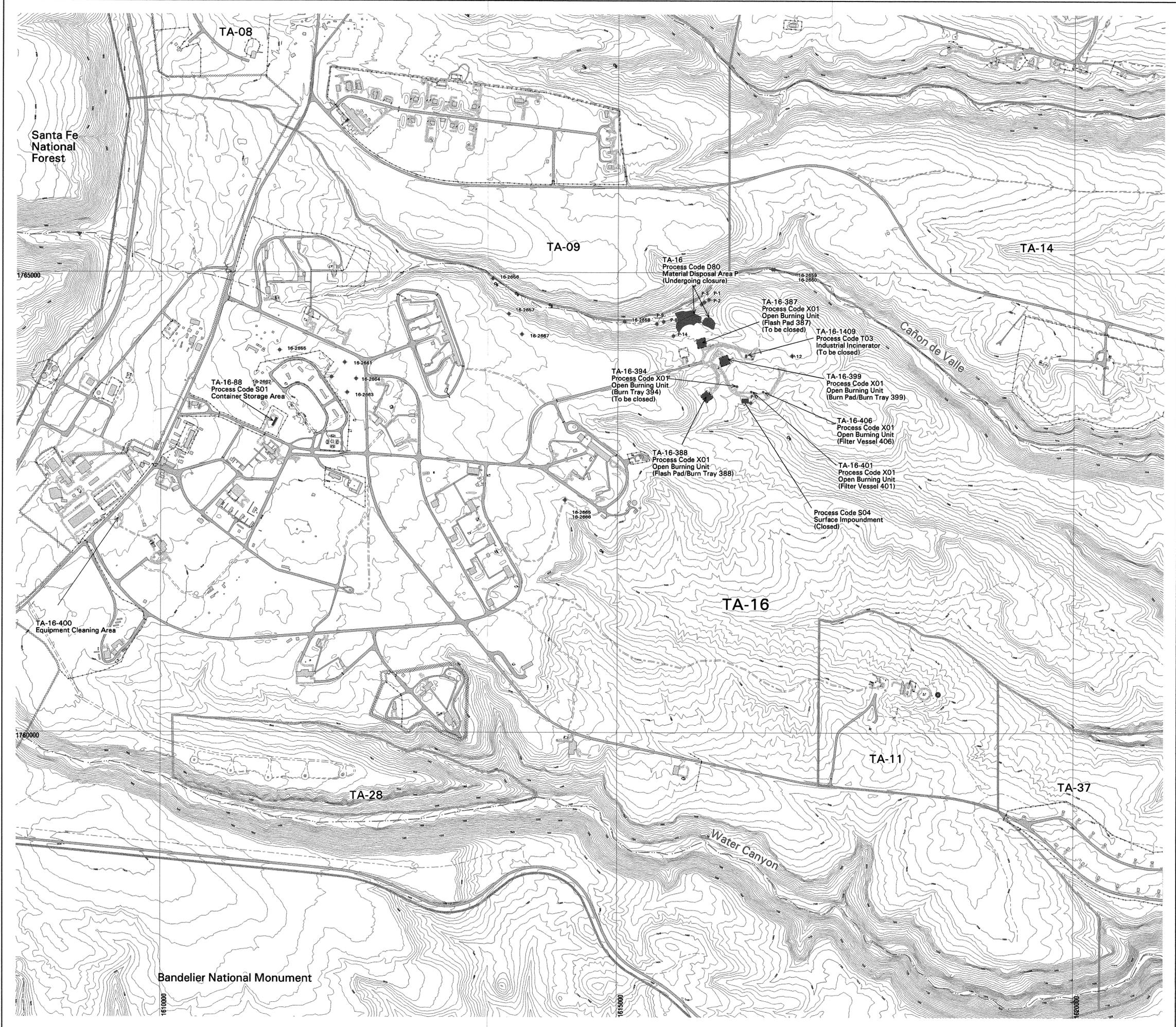
Contour Map Showing the Location of the Hazardous Waste Unit at Technical Area (TA) 15

University of California
 Los Alamos National Laboratory
 Earth and Environmental Sciences Division
EES-5 GIS TEAM
 Produced by: Marcia Jones
 Date: July 06, 1998 GIS Plot ID: G106734

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

Grid provides NM State Plane coordinates in feet.
 Grid interval, in feet: 500
 Feet per inch on map = 100
 SCALE 1:1200

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. 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 Reconnaissance Program aerial survey, September 1991.



- LEGEND**
- Boundary, Los Alamos National Laboratory
 - Boundary, TA
 - Contours, 10 foot
 - Contours, 100 foot
 - Fence, Industrial
 - Fence, Security
 - Roads, Paved
 - Roads, Dirt
 - Road/Trail
 - Stream, Intermittent
 - Stream, Perennial
 - Structure
 - Regulated Unit
 - Structure Containing Regulated Unit
 - Closed Unit
- 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**
- Abandoned/Plugged Well
 - LAOR Well
 - Other Monitoring Well
 - Surface Water Sampling Station
 - Spring

15715-E

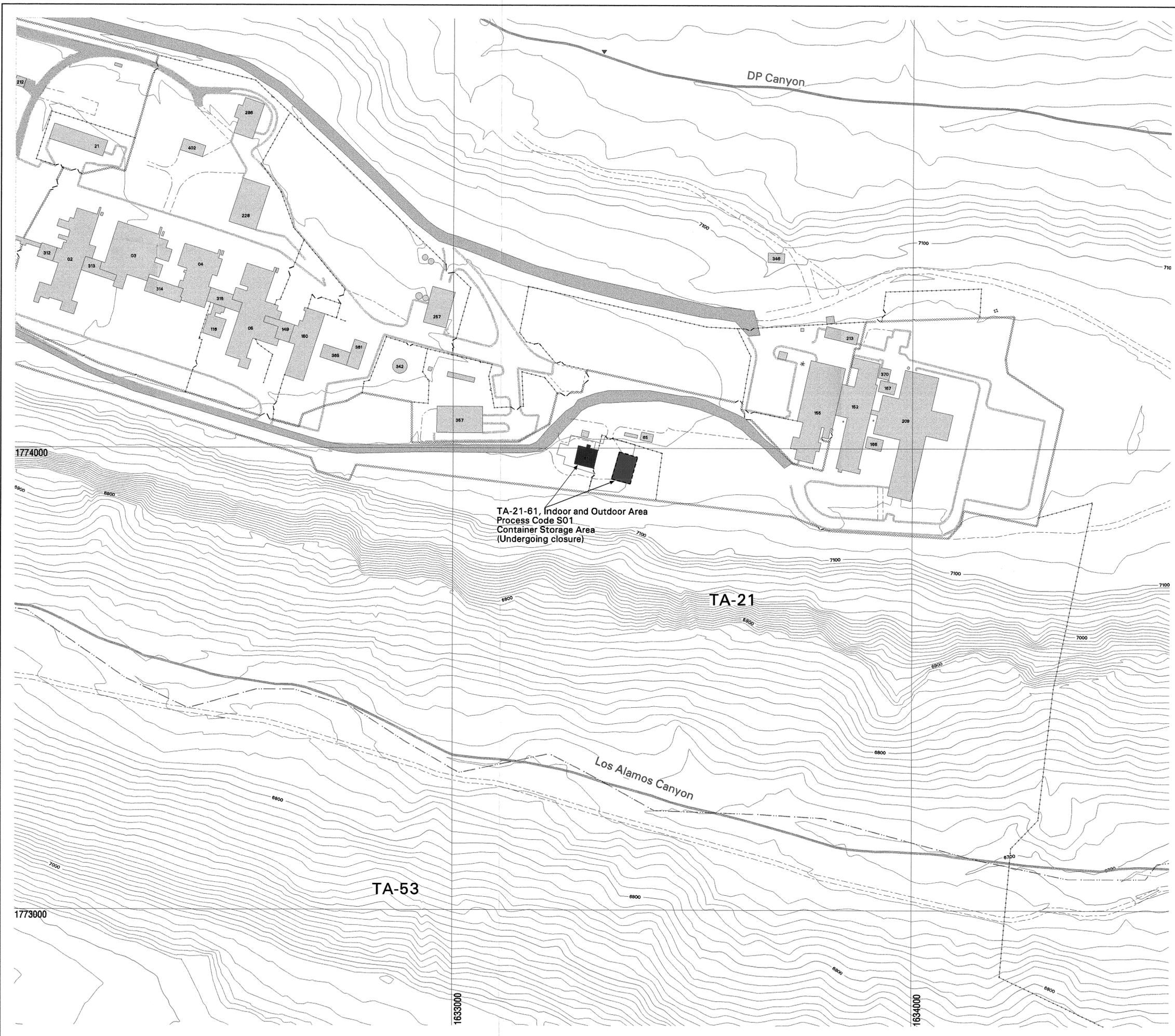
Contour Map Showing the Locations of the Hazardous and Mixed Waste Units at Technical Area (TA) 16

University of California
 Los Alamos National Laboratory
 Earth and Environmental Sciences Division
EES-5 GIS TEAM
 Produced by: Marcia Jones
 Date: July 06, 1998 GIS Plot ID: G106735

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

Grid provides NM State Plane coordinates in feet.
 Grid interval, in feet: 5000
 Feet per inch on map = 500
SCALE 1:6000

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. Base map 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 Remediation Program aerial survey, September 1991.



LEGEND

- Boundary, TA
- Contour, 10 foot
- Contour, 100 foot
- Fence, Industrial
- Fence, Security
- Road, Paved
- Road, Dirt
- Road/Trail
- Stream, Intermittent
- Stream, Perennial
- Structure
- Regulated Unit
- Structure Containing Regulated Unit

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

- Abandoned/Plugged Well
- LAOR Well
- Other Monitoring Well

- Surface Water Sampling Station
- Spring

15715-F

Contour Map Showing the Location of the Mixed Waste Units at Technical Area (TA) 21

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

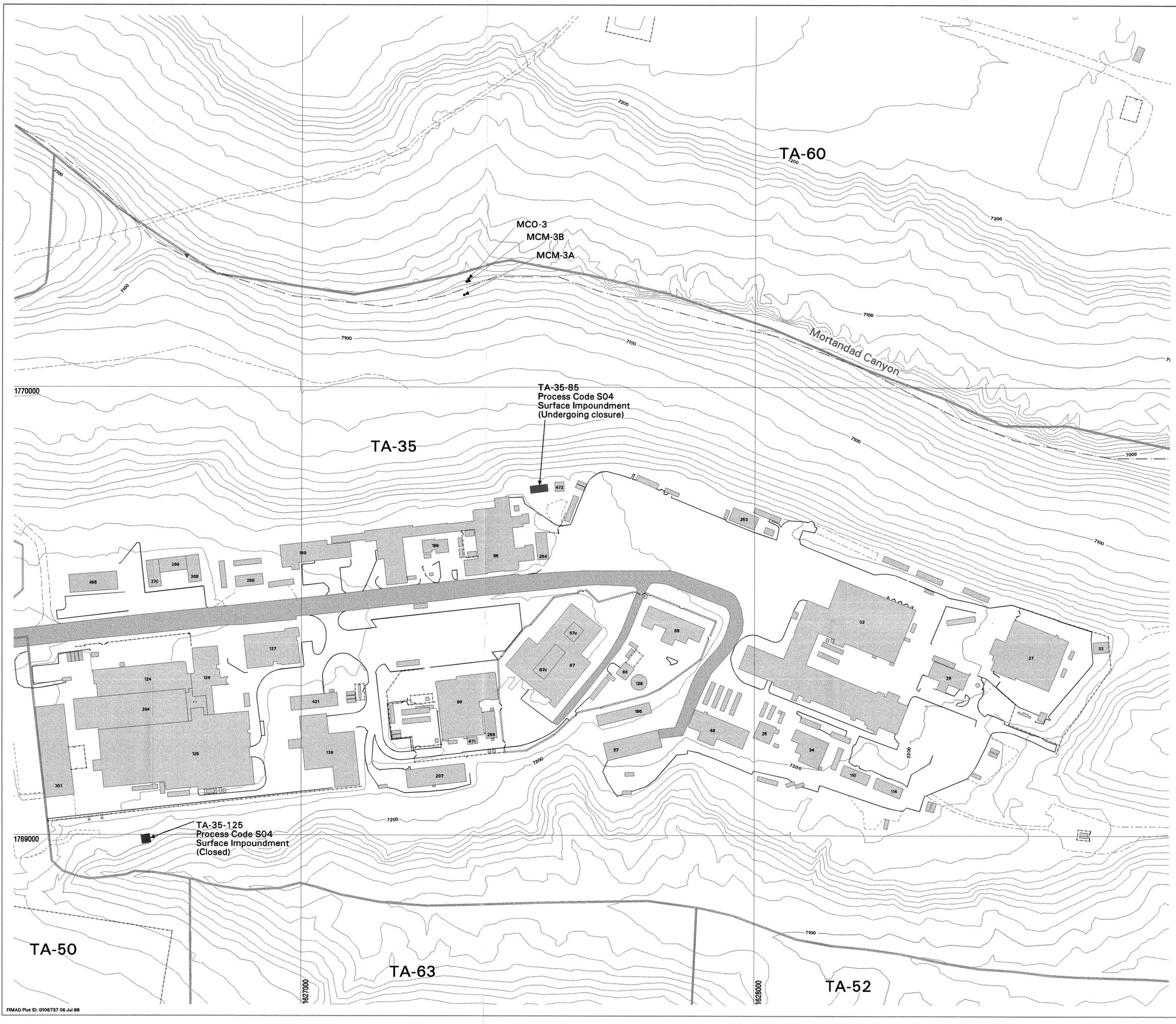
EES-5 GIS TEAM

Produced by: Marcia Jones
Date: July 06, 1998 GIS Plot ID: G106736

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 = 100
SCALE 1:1200

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.



- LEGEND**
- Boundary, TA
 - Contour, 10 foot
 - Contour, 100 foot
 - Fence, Industrial
 - Fence, Security
 - Roads, Paved
 - Roads, Dirt
 - Road/Trail
 - Stream, Intermittent
 - Stream, Perennial
 - Structure
 - Regulated Unit
 - Closed Unit
- 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**
- Abandoned/Plugged Well
 - LAOR Well
 - Other Monitoring Well
 - Surface Water Sampling Station
 - Spring

15715-G

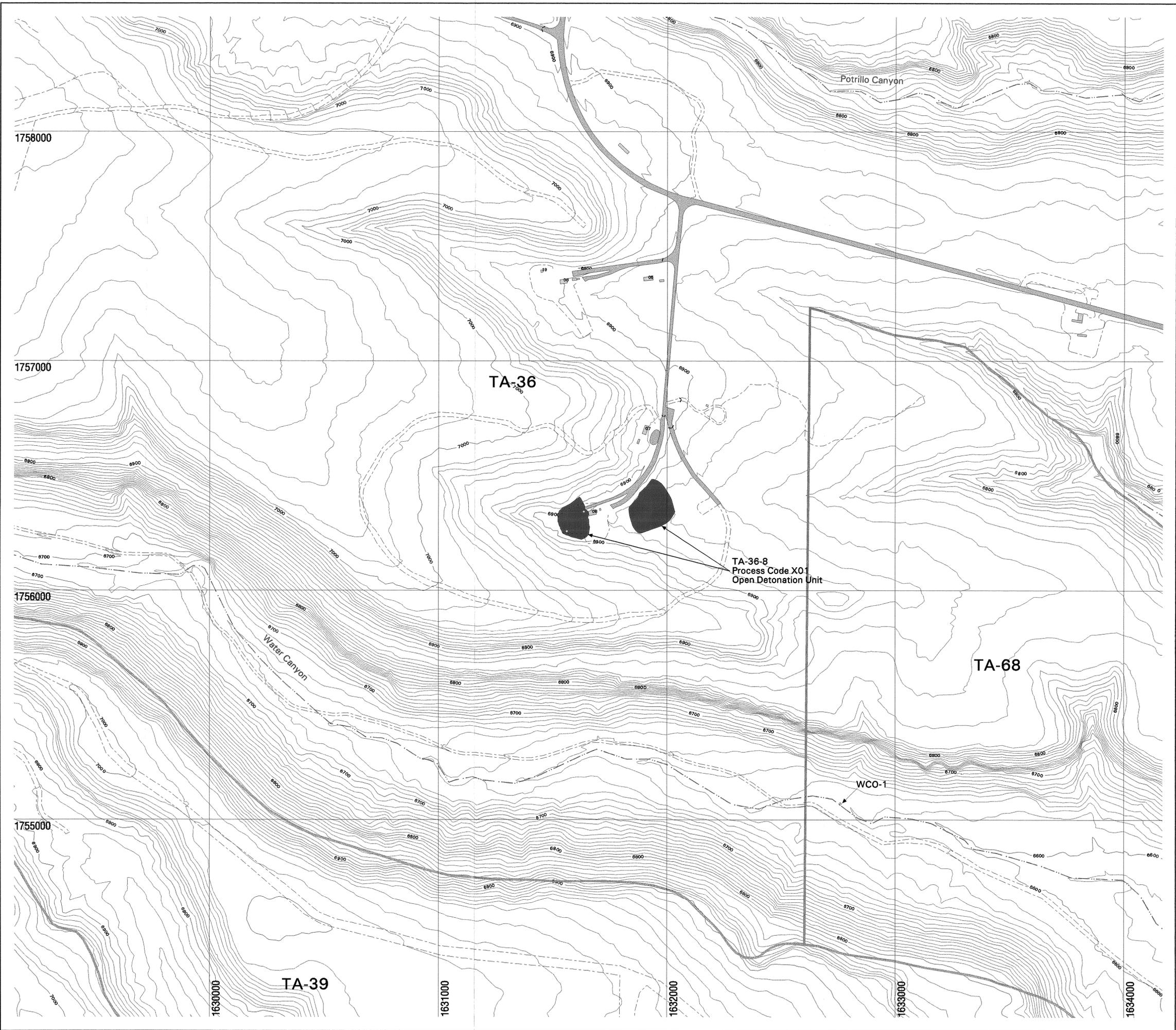
Contour Map Showing the Locations of the Hazardous Waste Units at Technical Area (TA) 35

University of California
 Los Alamos National Laboratory
 Earth and Environmental Sciences Division
EES-5 GIS TEAM
 Produced by: Marcia Jones
 Date: July 06, 1998 GIS Plot ID: G106737

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 = 100
 SCALE 1:1200

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. Base map 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 Protection Program aerial survey, September 1991.



LEGEND

- Boundary, TA
- Contour, 10 foot
- Contour, 100 foot
- Fence, Industrial
- Fence, Security
- Road, Paved
- Road, Dirt
- Road/Trail
- Stream, Intermittent
- Stream, Perennial
- Structure
- Regulated Unit

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

- Abandoned/Plugged Well
- LAOR Well
- Other Monitoring Well

- Surface Water Sampling Station
- Spring

15715-H

Contour Map Showing the Location of the Hazardous Waste Unit at Technical Area (TA) 36

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

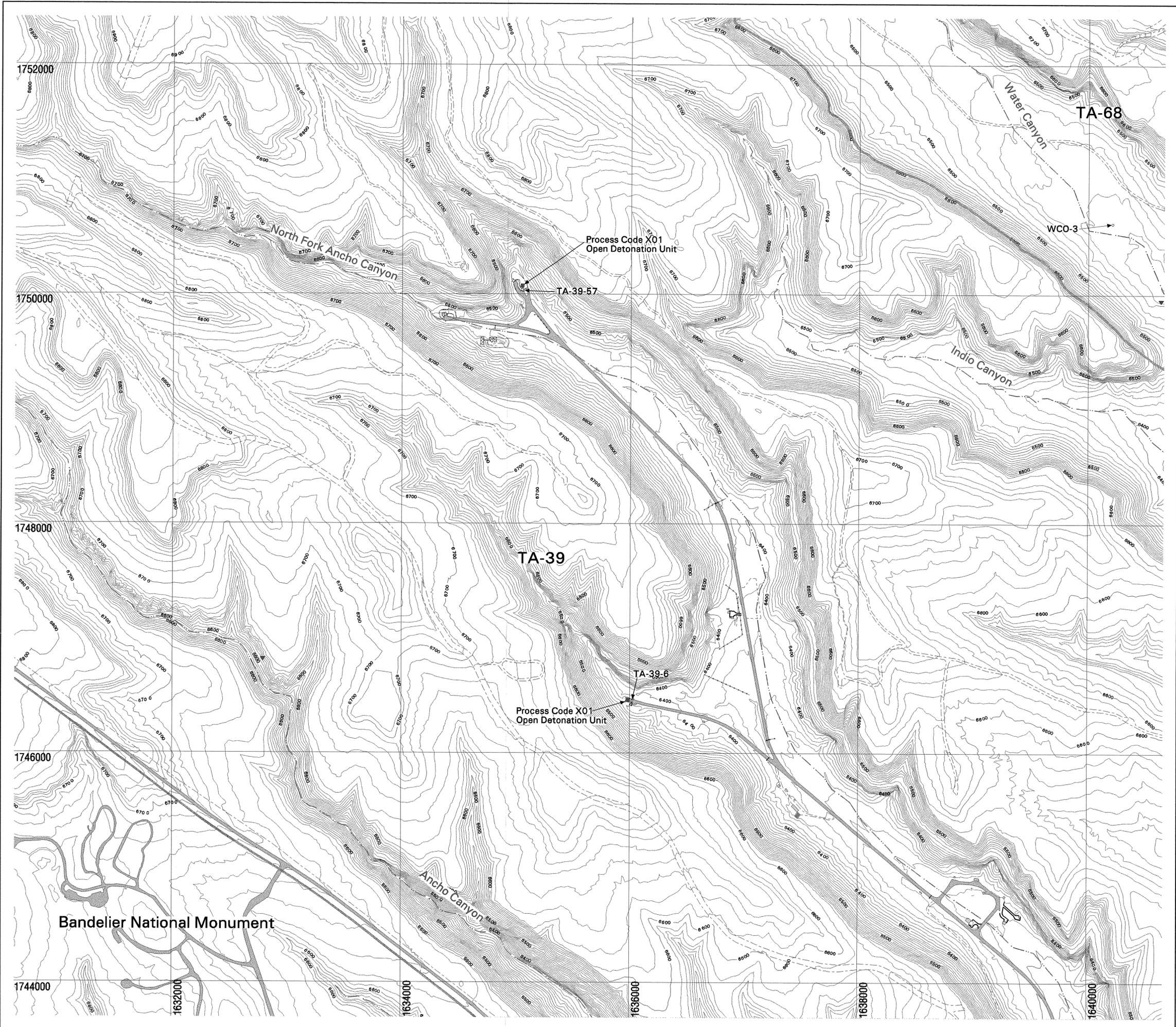
EES-5 GIS TEAM

Produced by: Marcia Jones
Date: July 06, 1998 GIS Plot ID: G106738

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 = 200
SCALE 1:2400

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. Base map 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 Protection Program aerial survey, September 1989.



LEGEND

- Boundary, Los Alamos National Laboratory
- Boundary, TA
- Contour, 10 foot
- Contour, 100 foot
- Fence, Industrial
- Fence, Security
- Road, Paved
- Road, Dirt
- Road/Trail
- Stream, Intermittent
- Stream, Perennial

- Structure
- Underground Structure
- Regulated Units

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

- Abandoned/Plugged Well
- LAOR Well
- Other Monitoring Well

- Surface Water Sampling Station
- Spring

15715-I

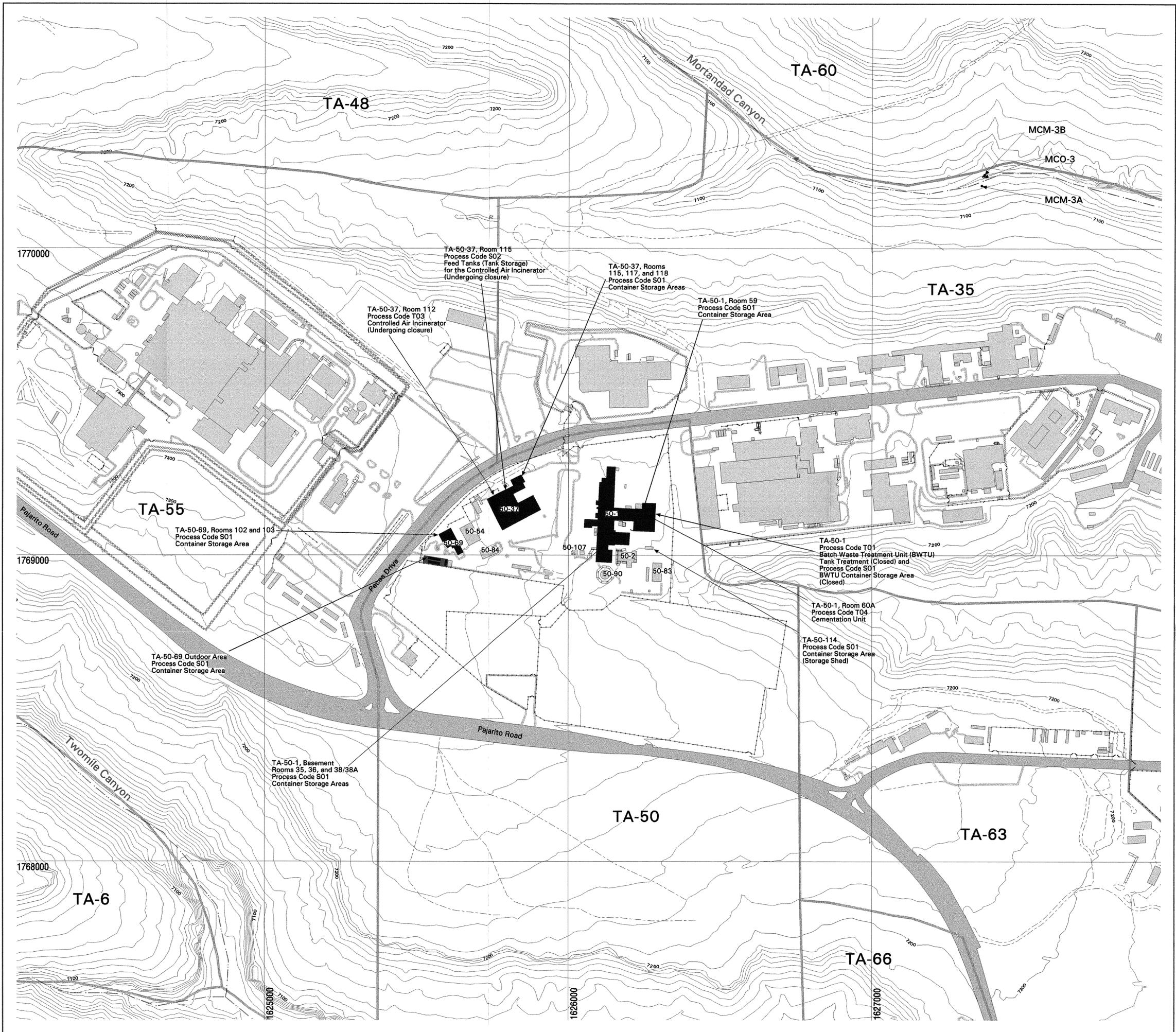
Contour Map Showing the Locations of the Hazardous Waste Units at Technical Area (TA) 39

University of California
Los Alamos National Laboratory
Earth and Environmental Sciences Division
EES-5 GIS TEAM
Produced by: Marcia Jones
Date: July 06, 1998 GIS Plot ID: G106739

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 = 400
SCALE 1:4800

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.



LEGEND

- Boundary, TA
- Contour, 10 foot
- Contour, 100 foot
- Fence, Industrial
- Fence, Security
- Retaining Wall
- Road, Paved
- Road, Dirt
- Stream, Intermittent
- Stream, Perennial

- Structure
- Regulated Unit
- Structure Containing Regulated Unit(s)

- 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**
- Abandoned/Plugged Well
- LAOR Well
- Other Monitoring Well

- Surface Water Sampling Station
- Spring

15715-J

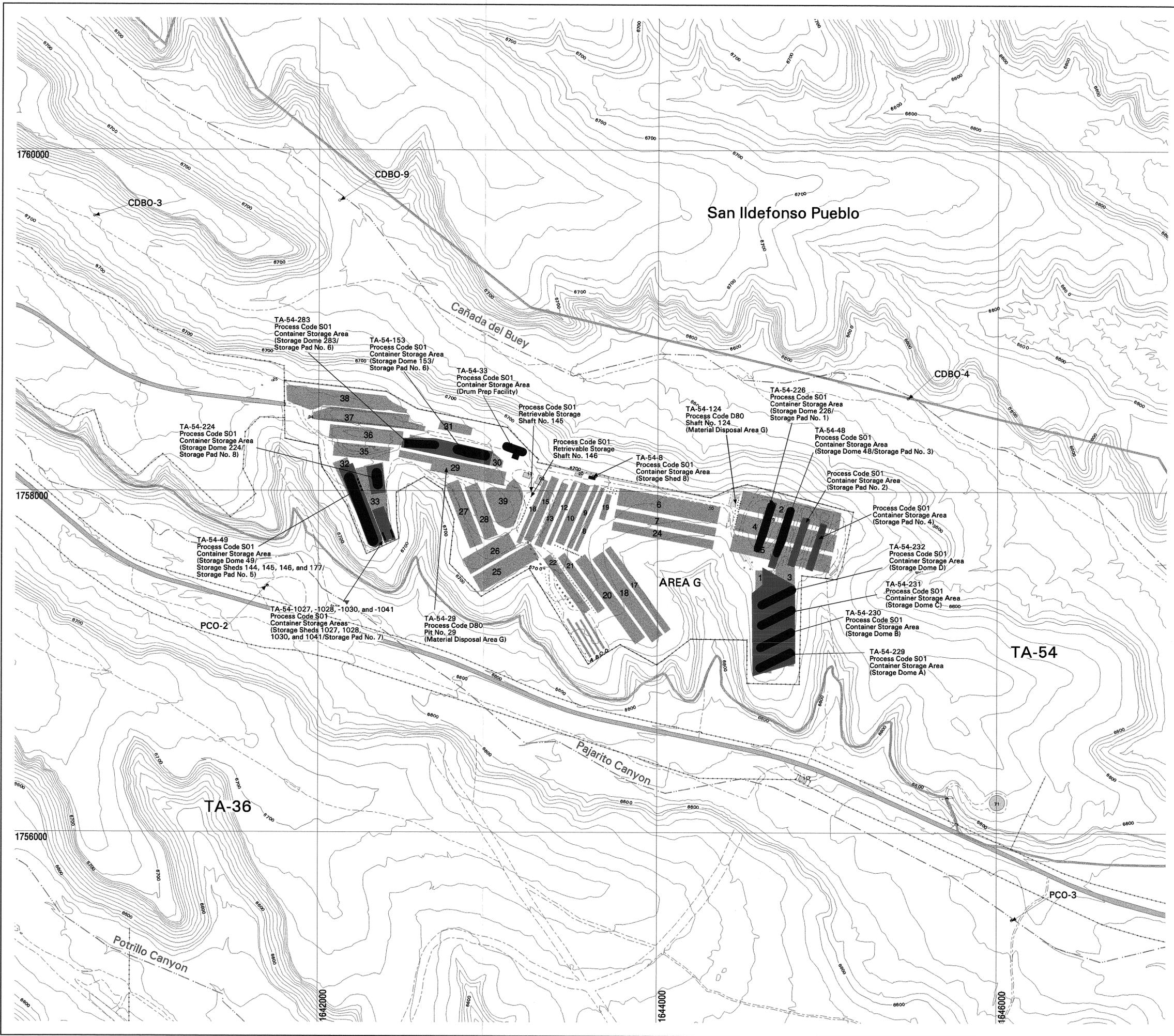
Contour Map Showing the Locations of the Hazardous and Mixed Waste Units at Technical Area (TA) 50

University of California
 Los Alamos National Laboratory
 Earth and Environmental Sciences Division
EES-5 GIS TEAM
 Produced by: Marcia Jones
 Date: July 06, 1998 GIS Plot ID: G106741

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 = 150
 SCALE 1:18000

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. Base map 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 Protection Program aerial survey, September 1981.



LEGEND

- Boundary, TA
 - Contour, 10 foot
 - Contour, 100 foot
 - Fence, Industrial
 - Fence, Security
 - Road, Paved
 - Road, Dirt
 - Stream, Intermittent
 - Stream, Perennial
 - Area Boundary
 - Pit or Trench
 - Structure Not Associated with a Regulated Unit
 - Regulated Unit
 - Structure Associated with a Regulated Unit
- 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**
- Abandoned/Plugged Well
 - LAOR Well
 - Other Monitoring Well
 - Surface Water Sampling Station
 - Spring

15715-K

Contour Map Showing the Locations of the Hazardous and Mixed Waste Units at Technical Area (TA) 54, Area G

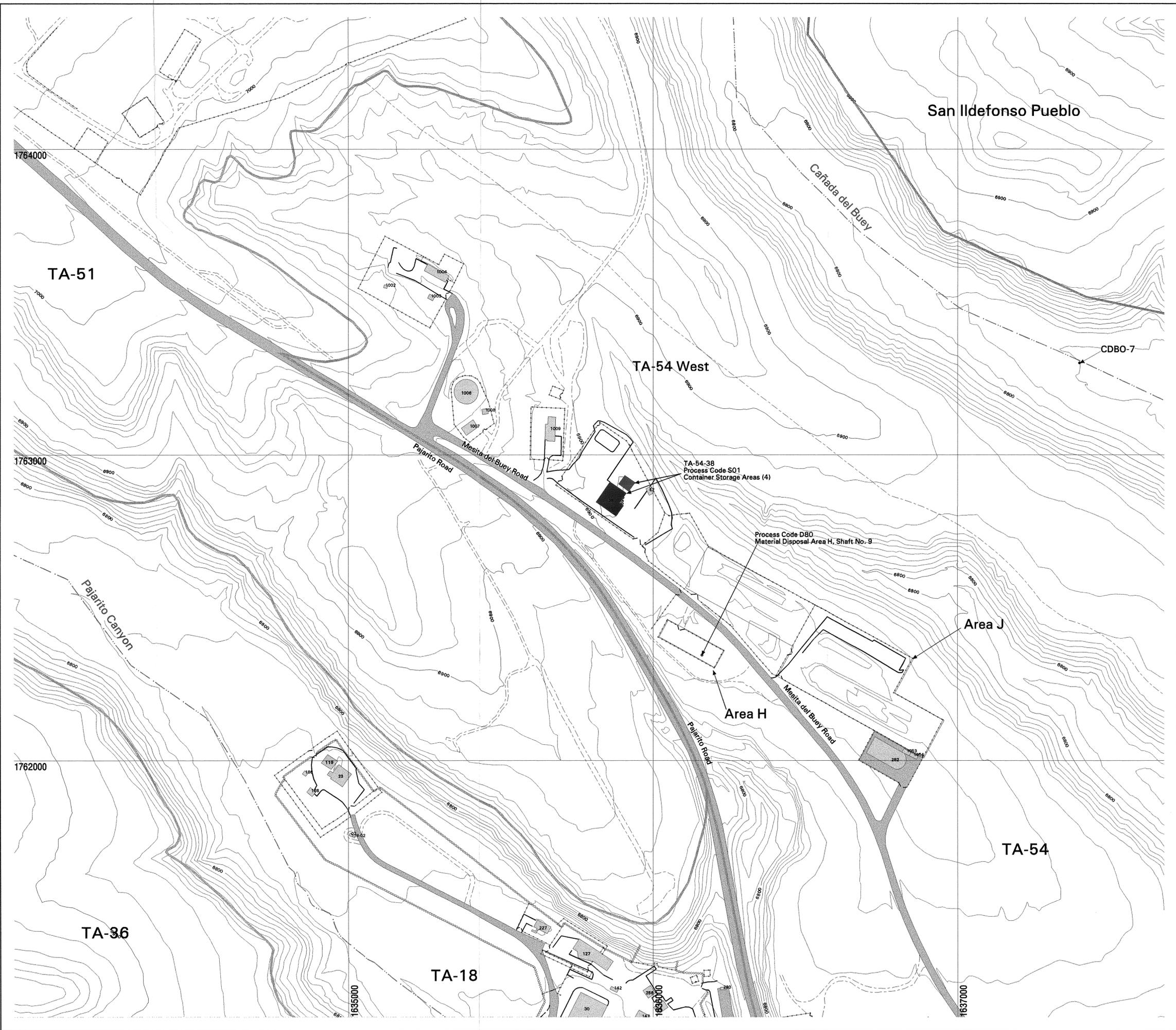
University of California
 Los Alamos National Laboratory
 Earth and Environmental Sciences Division
EES-5 GIS TEAM
 Produced by: Marcia Jones
 Date: July 06, 1998 GIS Plot ID: G106743

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 = 270
 SCALE 1:3240

0 30 60 90 120 150
 METERS
 0 30 60 90 120
 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. Base map 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.



LEGEND

- Boundary, Los Alamos National Laboratory
- Boundary, TA
- Contour, 10 foot
- Contour, 100 foot
- Fence, Industrial
- Fence, Security
- Road, Paved
- Road, Dirt
- Road/Trail
- Stream, Intermittent
- Stream, Perennial
- Area Boundary
- Structure
- Regulated Unit
- Structure Containing Regulated Units

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**
- Abandoned/Plugged Well
- LAOR Well
- Other Monitoring Well

- Surface Water Sampling Station
- Spring

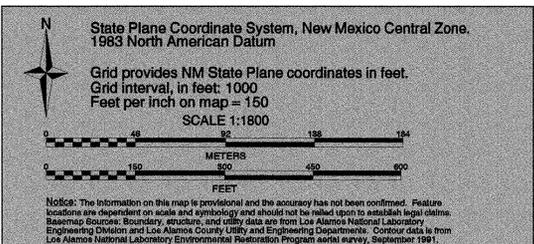
15715-M

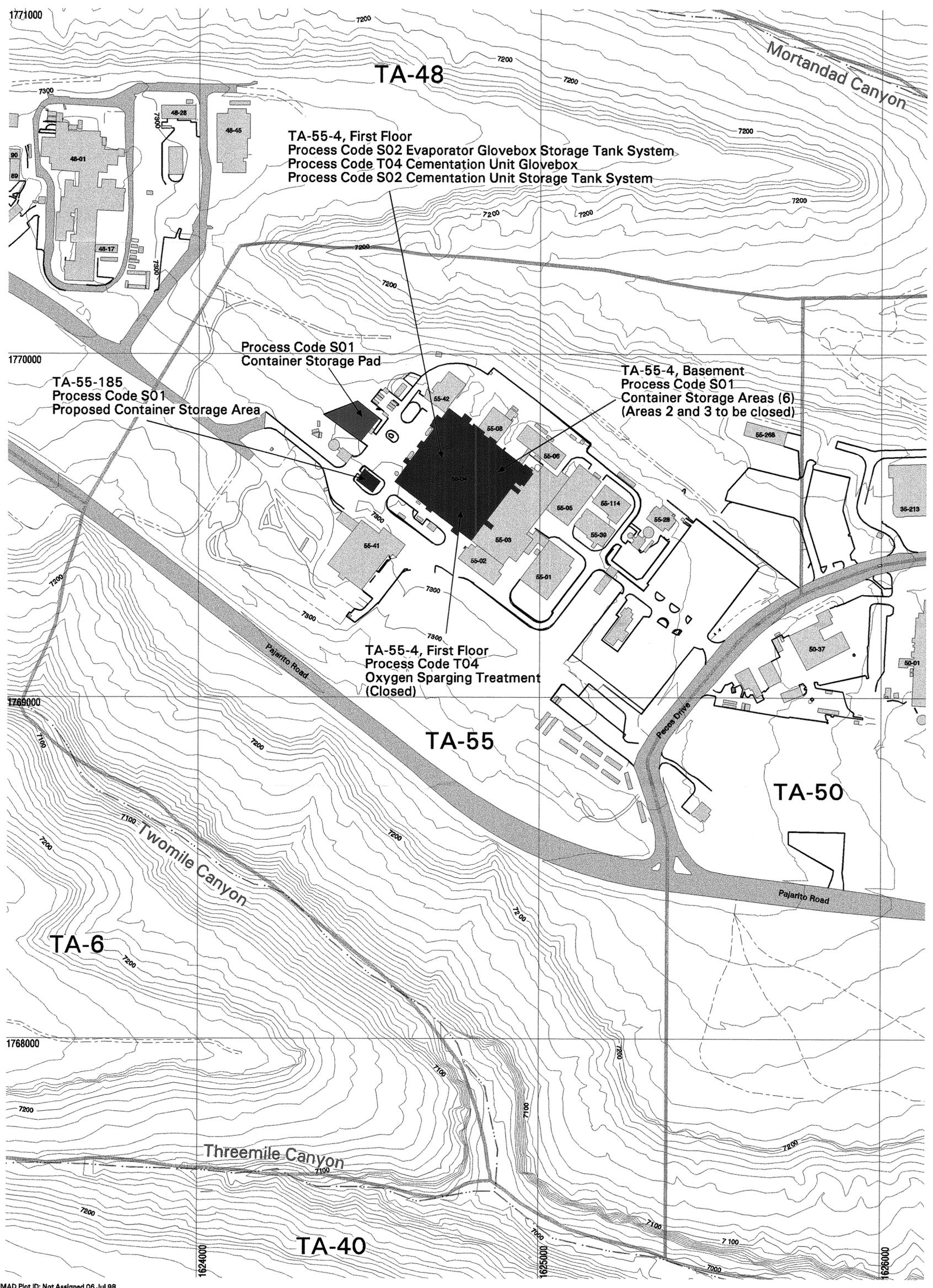
Contour Map Showing the Locations of the Hazardous and Mixed Waste Units at Technical Area (TA) 54 West and TA-54, Material Disposal Area H

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

EES-5 GIS TEAM

Produced by: Marcia Jones
Date: July 06, 1998 GIS Plot ID: G106744





LEGEND

- Boundary, TA
- Contour, 10 foot
- Contour, 100 foot
- Road, Paved
- Road, Dirt
- Road/Trail
- Stream, Intermittent
- Stream, Perennial
- Structure
- Regulated Unit
- Structure Containing Regulated Unit(s)

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

- Abandoned/Plugged Well
- LAOR Well
- Other Monitoring Well

- Surface Water Sampling Station
- Spring

Contour Map Showing the Locations of the Hazardous and Mixed Waste Units at Technical Area (TA) 55

15715-N

University of California
 Los Alamos National Laboratory
 Earth and Environmental Sciences Division
EES-5 GIS TEAM
 Produced by: Marcia Jones
 Date: July 06, 1998 GIS Plot ID: G106745

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 = 200
SCALE 1:2400

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