

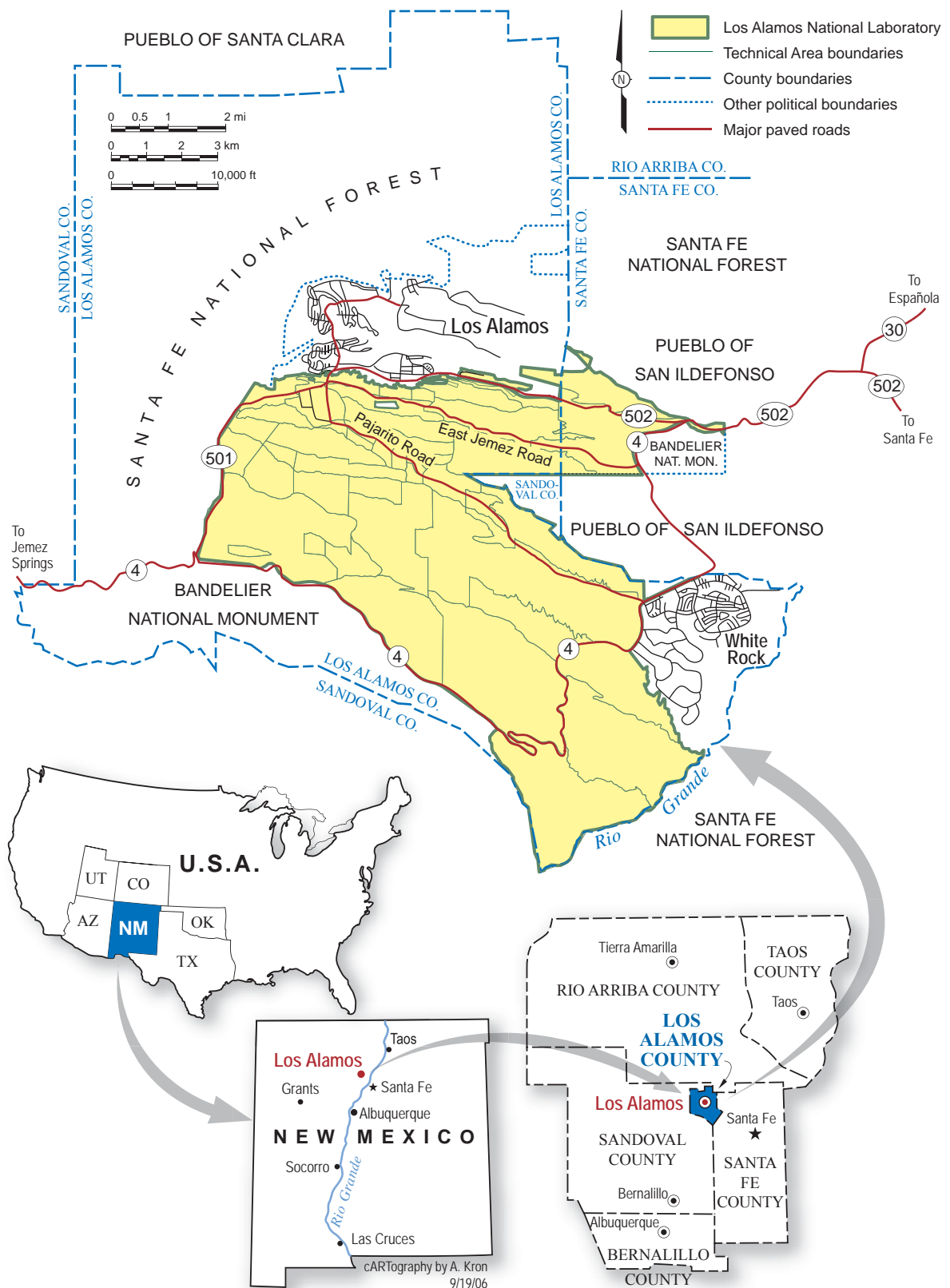
**ATTACHMENT N**

**FIGURES**

## **List of Figures for Permit**

- Figure 1: LANL Regional Location Map
- Figure 2: LANL Facility Boundary and Technical Area (TA)-Specific Map
- Figure 3: LANL Facility Boundary with Detail of Non-LANL Areas
- Figure 4: TA-3 Security Fences, Entry Gates, and Entry Stations
- Figure 5: Reserved
- Figure 6: TA-50 Security Fences, Entry Gates, and Entry Stations
- Figure 7: TA-54, Area L, Security Fences, Entry Gates, and Entry Stations
- Figure 8: TA-54, Area G, Security Fences, Entry Gates, and Entry Stations
- Figure 9: TA-54 West Security Fences, Entry Gates, and Entry Stations
- Figure 10: TA-55 Security Fences, Entry Gates, and Entry Stations
- Figure 11: TA-3 Location Map
- Figure 12: TA-3, Building 29, Location Map
- Figure 13: TA-3 Building 29, Container Storage Unit, Portion of Room 9010
- Figure 14: TA-3, Building 29, Room 9020
- Figure 15: TA-3, Building 29, Room 9030
- Figure 16: Reserved
- Figure 17: Reserved
- Figure 18: Reserved
- Figure 19: Reserved
- Figure 20: Reserved
- Figure 21: Reserved
- Figure 22: TA-50 Location Map
- Figure 23: TA-50 Building 69, Indoor Storage/Treatment Unit and Outdoor Storage Unit
- Figure 24: TA-54 Location Map
- Figure 25: TA-54, Areas G, H, L, and TA-54 West Location Map
- Figure 26: TA-54, Area L, Container Storage Units
- Figure 27: TA-54, Area G, Container Storage Units
- Figure 28: TA-54 Area G, Pad 9 (TWISP Domes 229, 230, 231, & 232)
- Figure 29: TA-54, Area G, Pad 1
- Figure 30: TA-54, Area G, Pad 3 (Dome 48)
- Figure 31: TA-54, Area G, Pad 10
- Figure 32: TA-54, Area G, Pad 5 (Domes 49 and 224; and Storage Sheds 144, 145, 146, 177, 1027, 1028, 1029, and 1041)
- Figure 33: TA-54, Area G, Pad 6 (Domes 153 & 283)
- Figure 34: TA-54, Area G, Storage Shed 8
- Figure 35: TA-54, Area G, Building 33
- Figure 36: TA-54, Area G, Pad 11 (Dome 375)
- Figure 37: TA-54 West, Building 38 (High Bay and Low Bay) and Outdoor Pad
- Figure 38: TA-55 Location Map
- Figure 39: TA-55, Building 4, Location Map
- Figure 40: TA-55, Building 4, Room B40– UCNI
- Figure 41: TA-55, Building 4, Room K13– UCNI
- Figure 42: TA-55, Building 4, Room B05– UCNI
- Figure 43: TA-55, Building 4, Room B45 – UCNI
- Figure 44: TA-55, Building 4, Vault – UCNI

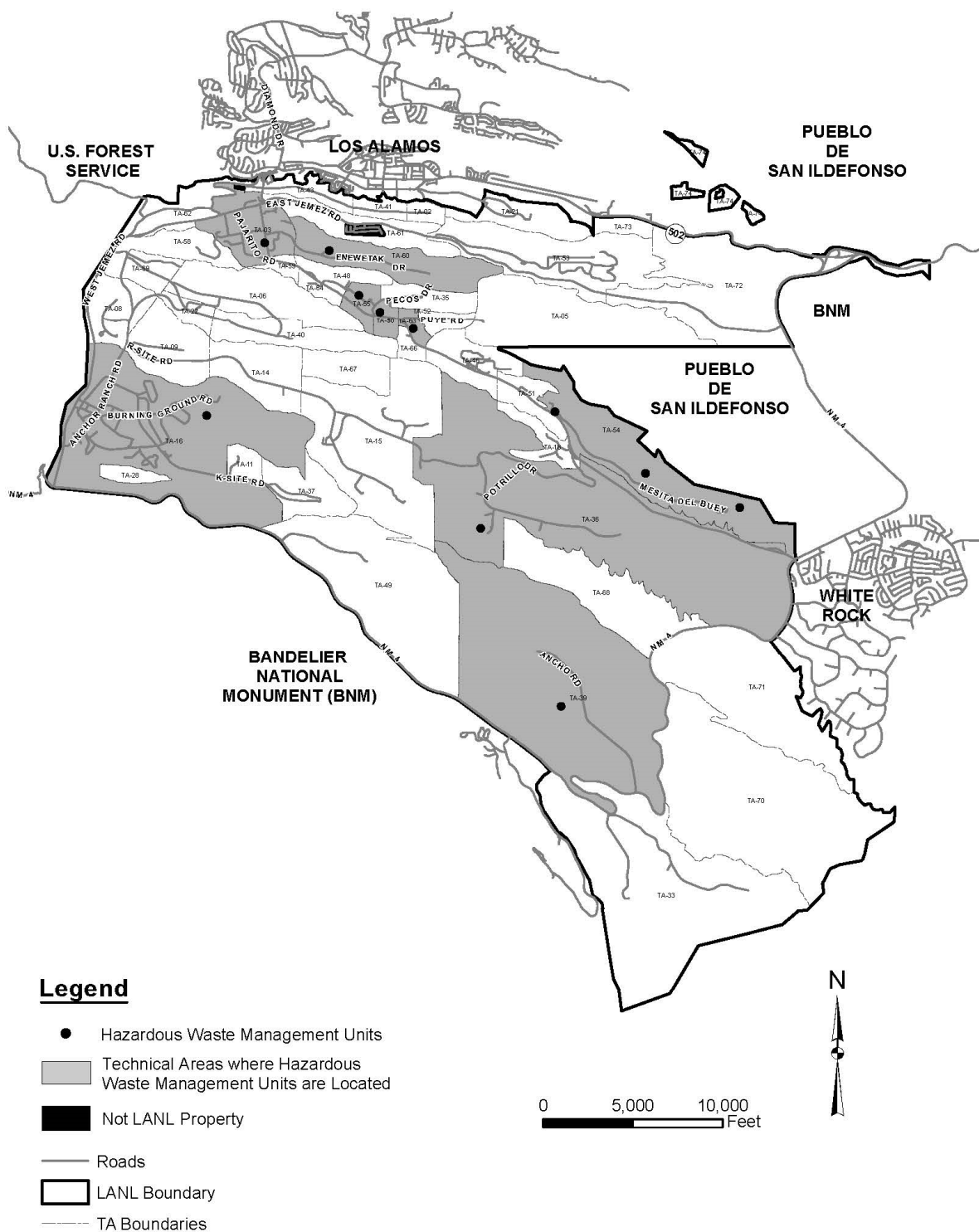
Figure 45: TA-55, Building 4, Outdoor Container Storage Pad  
Figure 46: TA-55, Building 185  
Figure 47: TA-55, Building 4, Room 401, Storage Tank System Process Flow Diagram  
Figure 48: TA-55, Building 4, Room 401, Cementation Unit Process Flow Diagram  
Figure 49: Emergency Facilities at Los Alamos National Laboratory  
Figure 50: TA-54, MDA H  
Figure 51: TA-60 Location Map  
Figure 52: Security and Access to TA-60-0017  
Figure 53: TA-60-0017 Site Plan  
Figure 54: TA-63 Location Map  
Figure 55: TA-63 Transuranic Waste Facility  
Figure 56: Transuranic Waste Facility Subsurface Vapor Monitoring Network  
Figure 57: TA-44, Building 4, Room B13  
Figure 58: TA-55, Building 4, Room G12  
Figure 59: TA-55, Pad 55-0355



**Figure 1**

Regional Location Map of Los Alamos National Laboratory

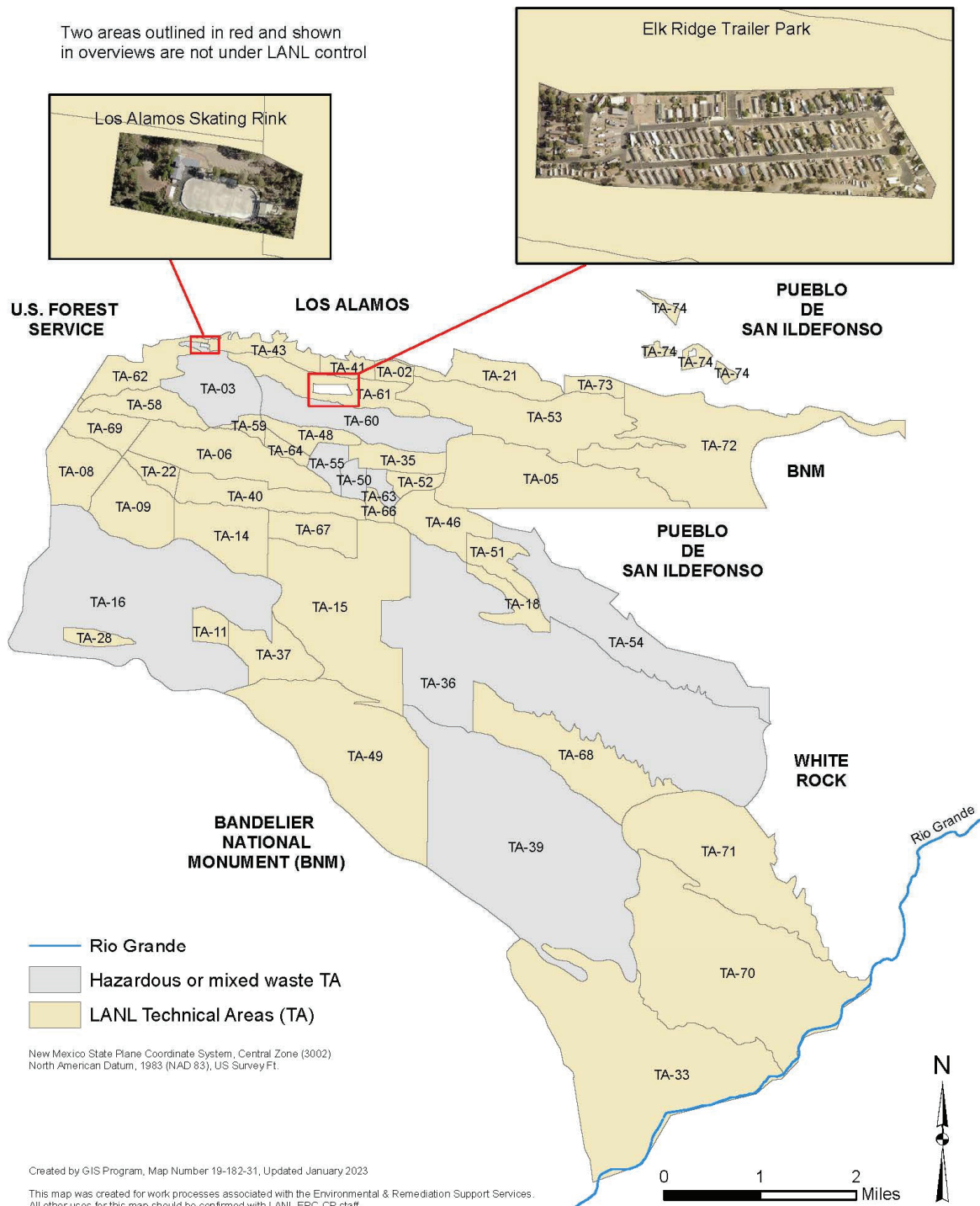




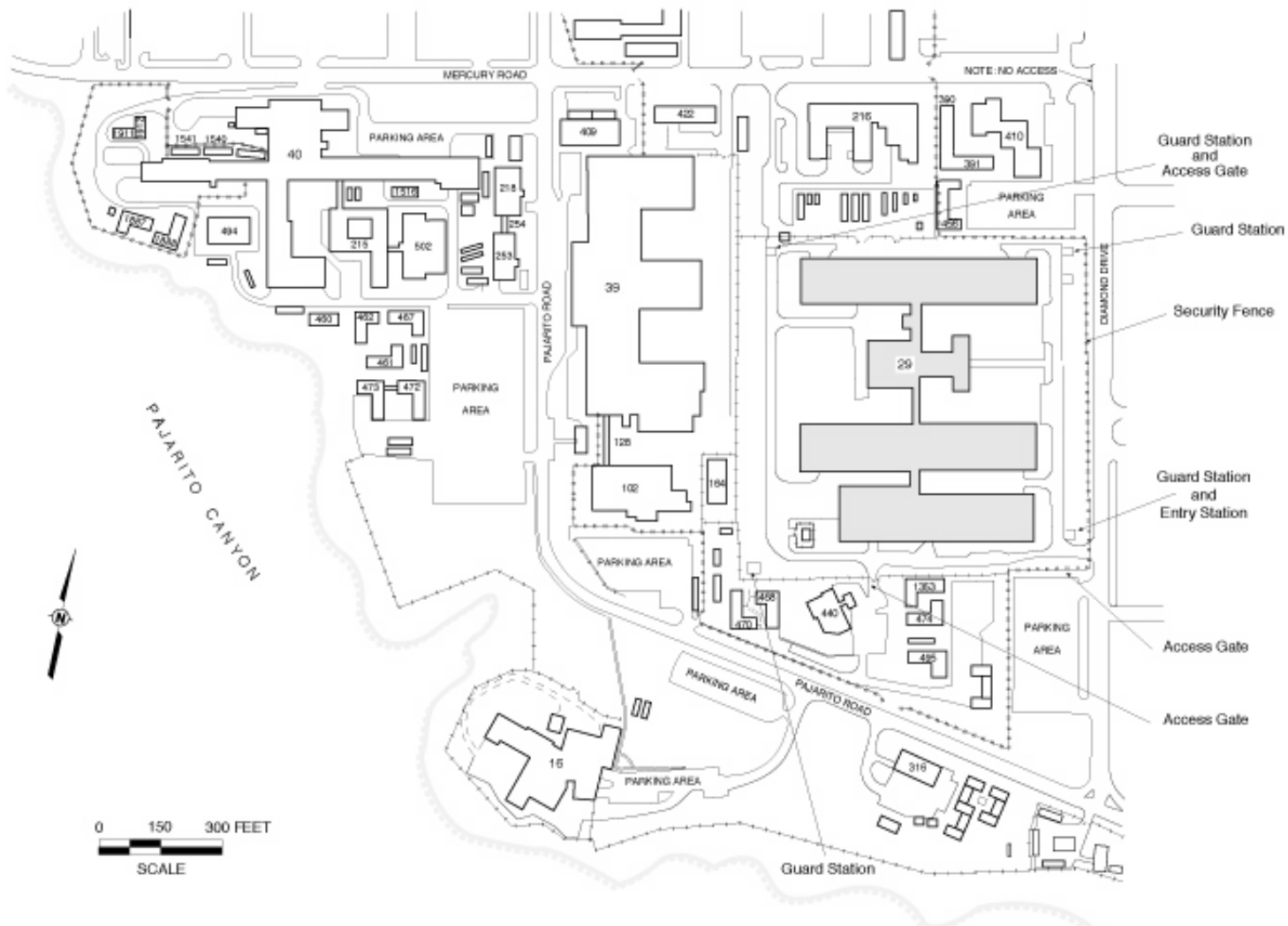
New Mexico State Plane Coordinate System, Central Zone (3002)  
North American Datum, 1983 (NAD 83), US Survey Ft.

This map was created for work processes associated with the Environmental & Remediation Support Services. All other uses for this map should be confirmed with LANL EPC-CP staff.  
Created by GIS Program, Map Number 19-182-32, January 2023

**Figure 2: LANL Facility Boundary and Technical Area (TA)-Specific Map**



**Figure 3: LANL Facility Boundary with Detail of Non-LANL Areas**



**Figure 4**  
Technical Area (TA) 3 Location Map Showing Security Fences, Entry Gates, and Entry Stations

**FIGURE 5 – RESERVED**

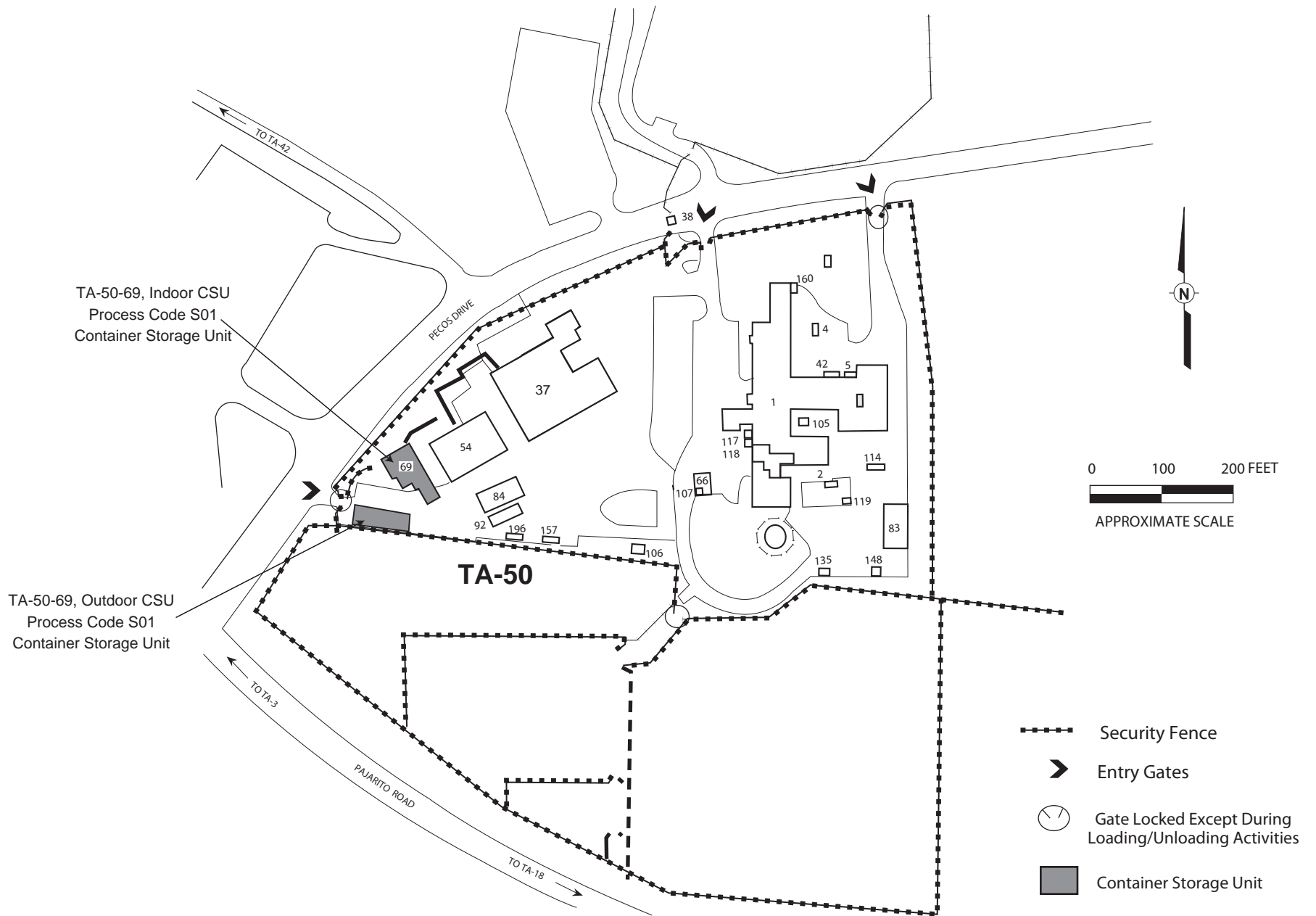


Figure 6:  
Technical Area (TA) 50 Location Map Showing Security Fences, Entry Gates, and Entry Stations

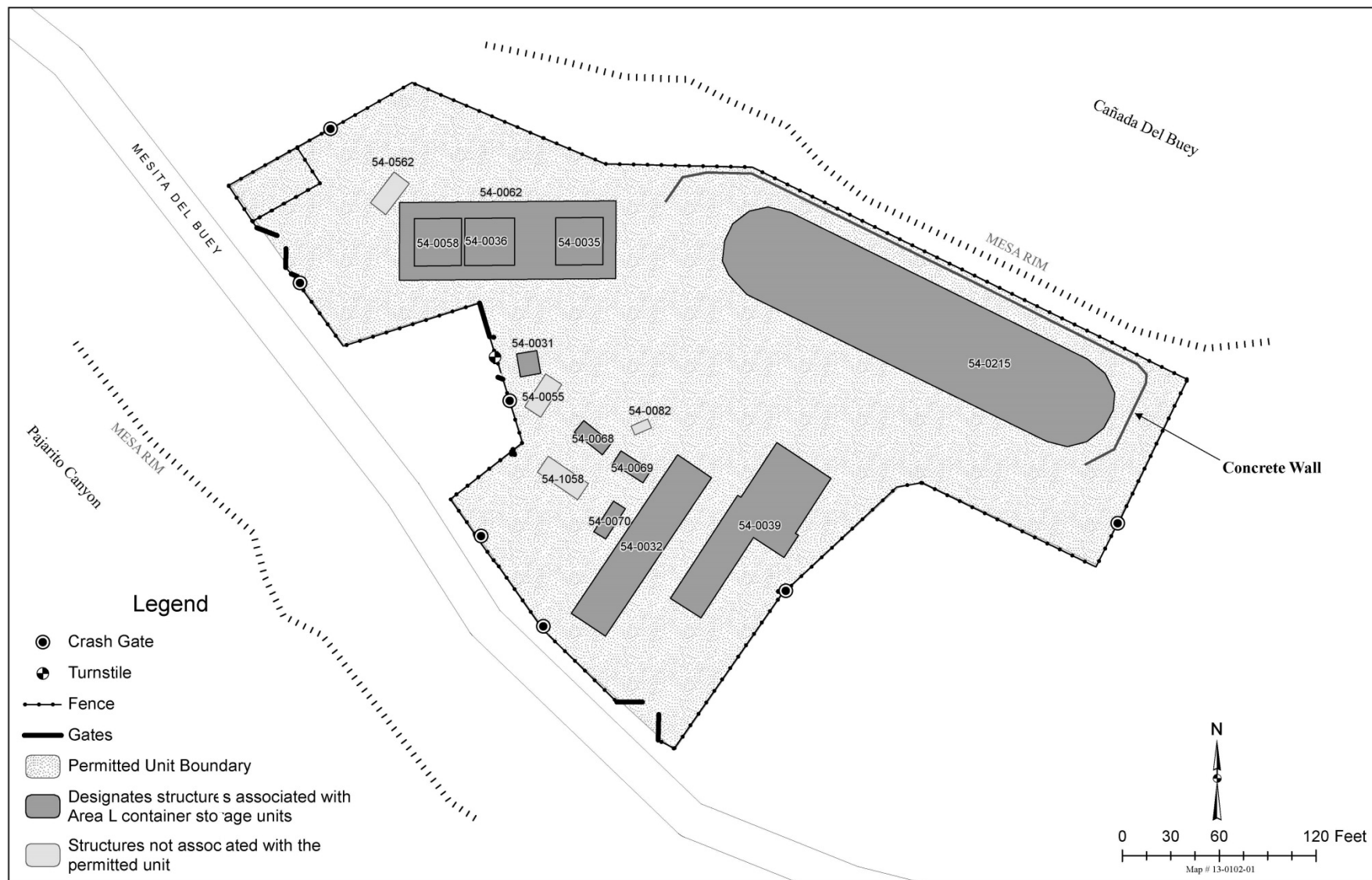
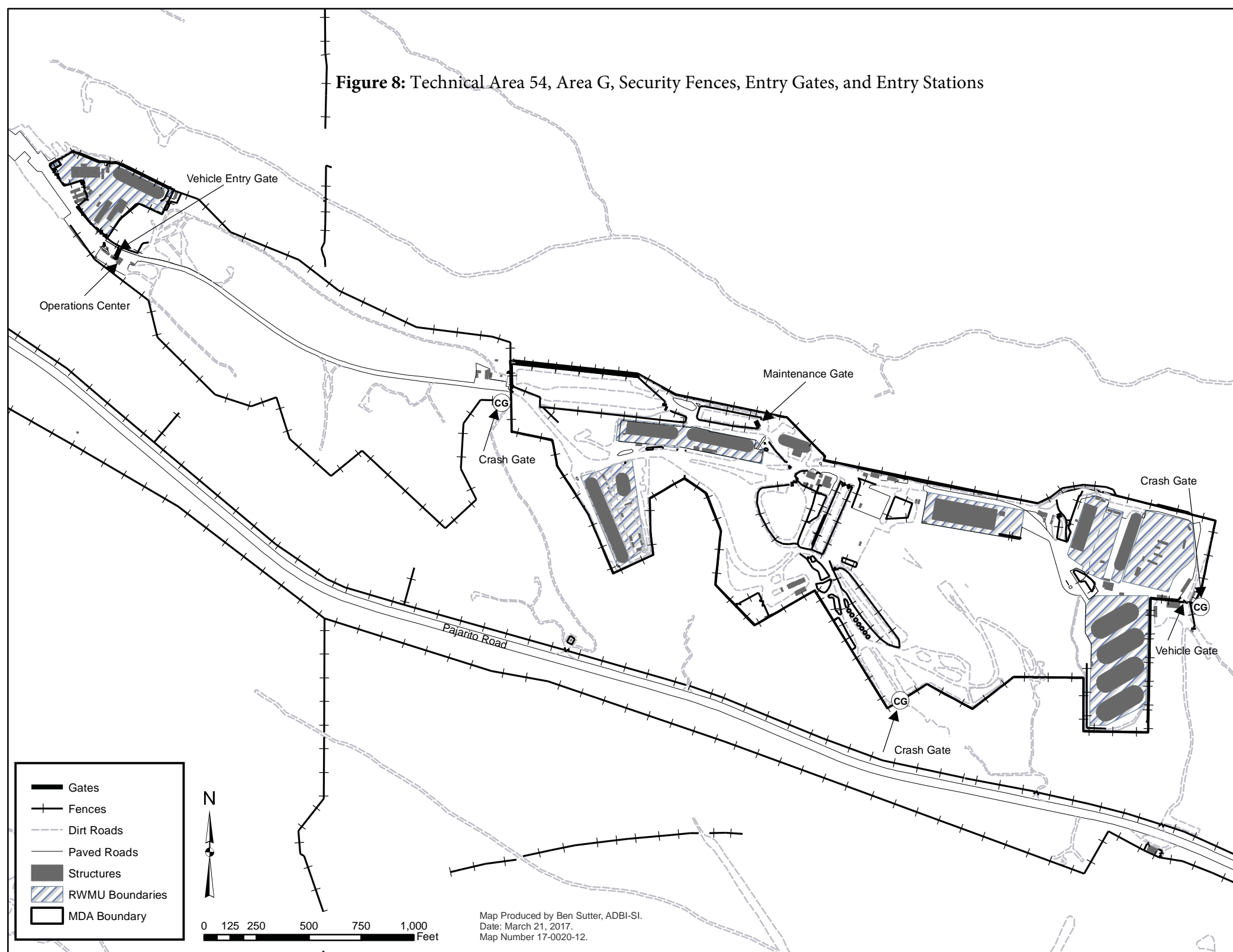


Figure 7: Technical Area 54, Area L, Security Fences, Entry Gates, and Entry Stations

**Figure 8:** Technical Area 54, Area G, Security Fences, Entry Gates, and Entry Stations





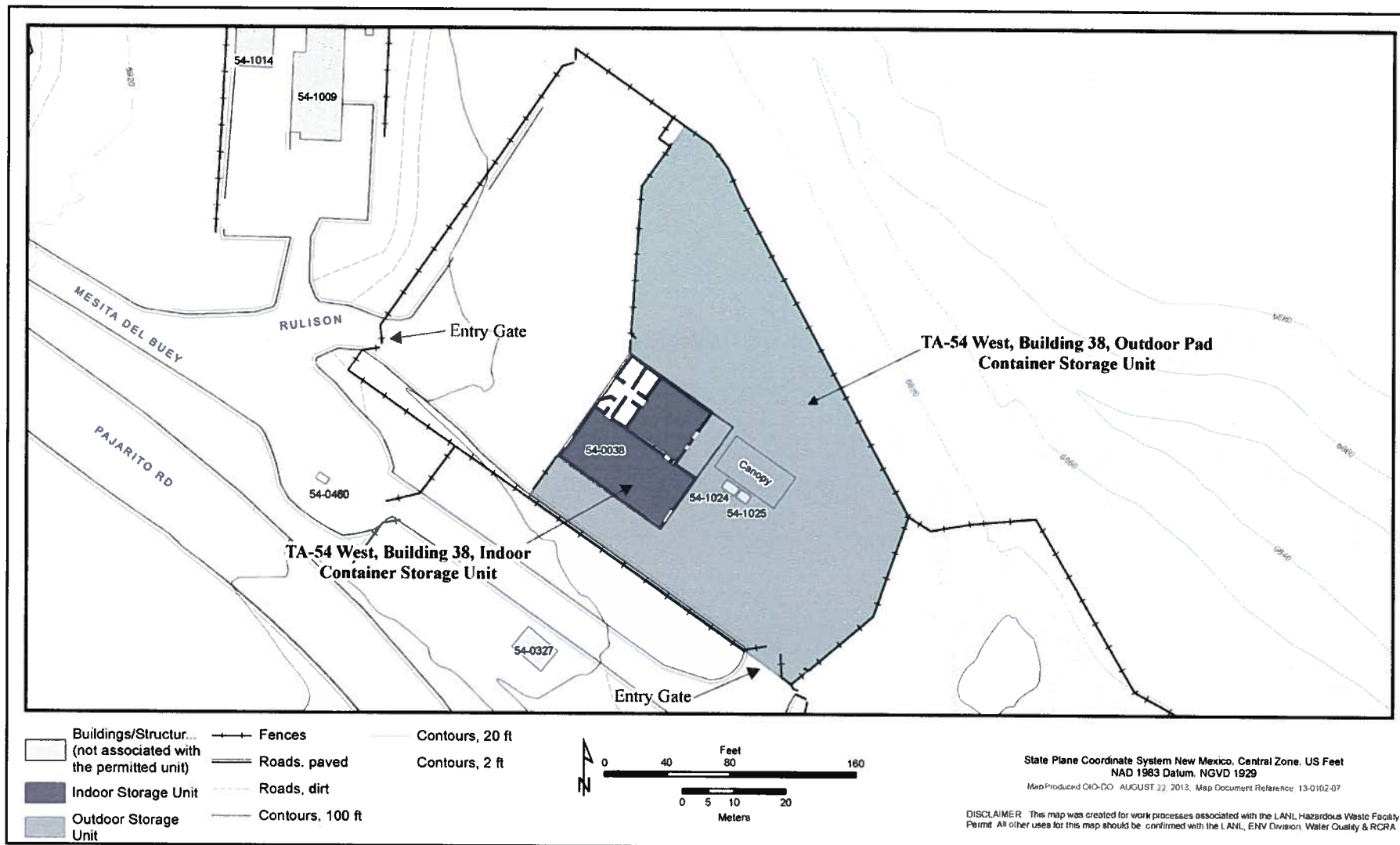


Figure 9: Technical Area (TA) 54 West Location Map Showing Security Fences, Entry Gates, and Entry Stations



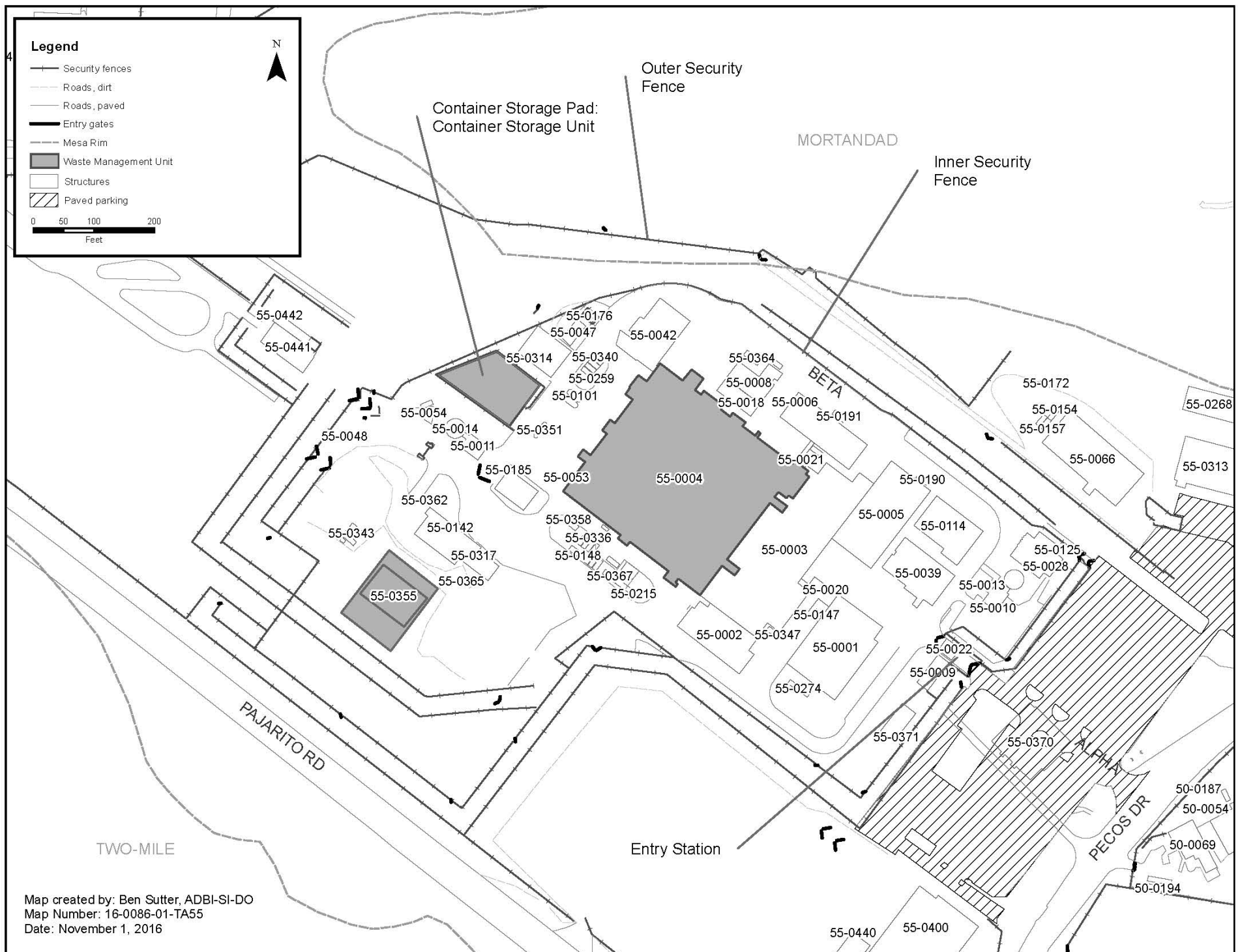


Figure 10  
Technical Area (TA) 55 Location Map Showing Security Fences, Entry Gates, and Entry Station

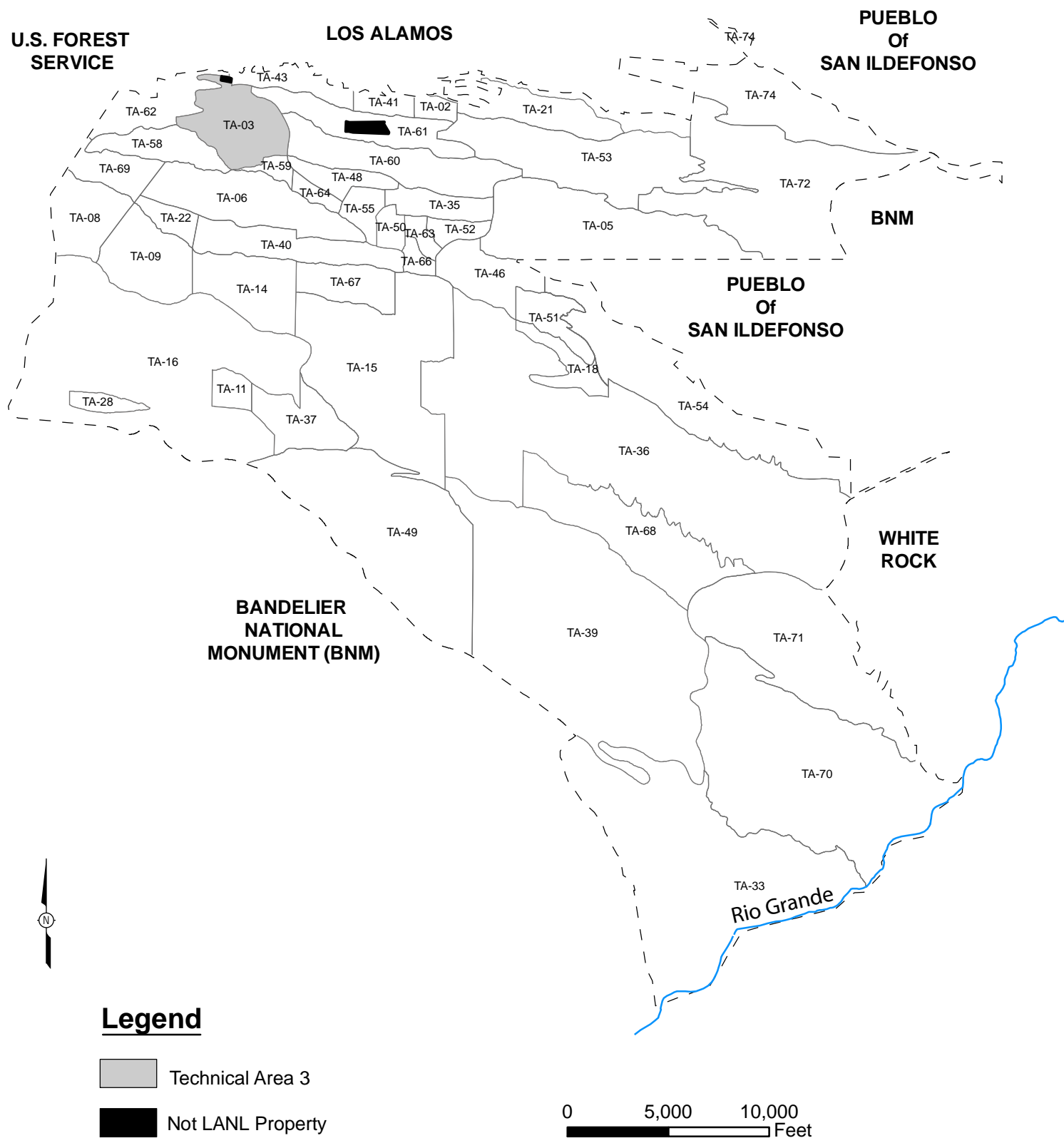


Figure 11:

## Technical Area (TA) 3 Location Map

Created by EP-WES-EDA GIS TEAM. Map Number 06-0108 November 13, 2008, modified by ENV-RCRA August 2009

State Plane Coordinate System New Mexico Central Zone North American Datum 1983 (ft)

This map was created for work processes associated with the Environmental & Remediation Support Services. All other uses for this map should be confirmed with LANL EP-WES staff.  
 Boundary of Department of Energy Property I Around the Los Alamos National Laboratory; Los Alamos National Laboratory, SSMO Site Planning & Project Initiation; infrastructure Planning Office. 04 June 2008  
 Boundary of Department of Energy Property In and Around the Los Alamos National Laboratory; Los Alamos National Laboratory, SSMO Site Planning & Project Initiation; 04 June 2008



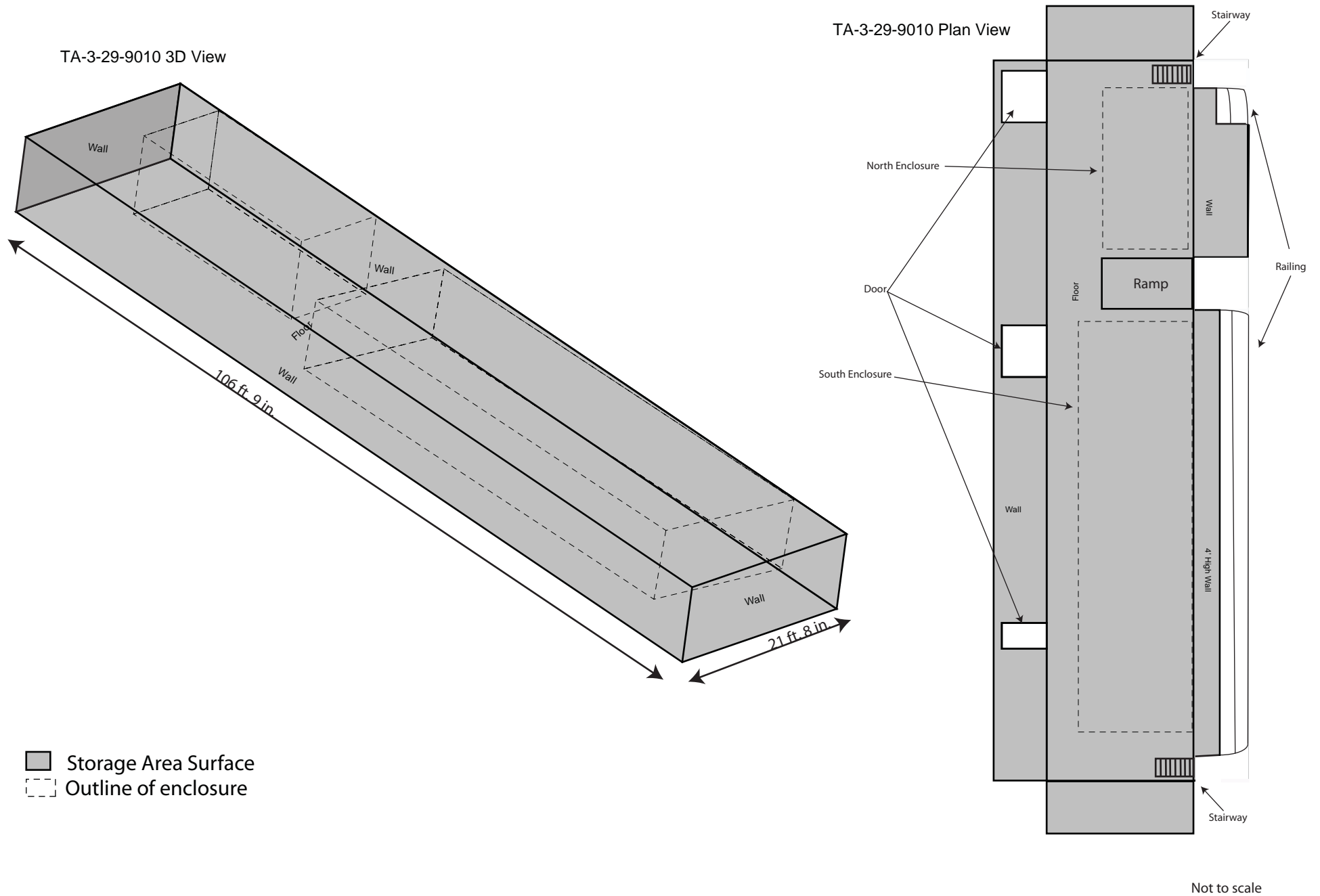
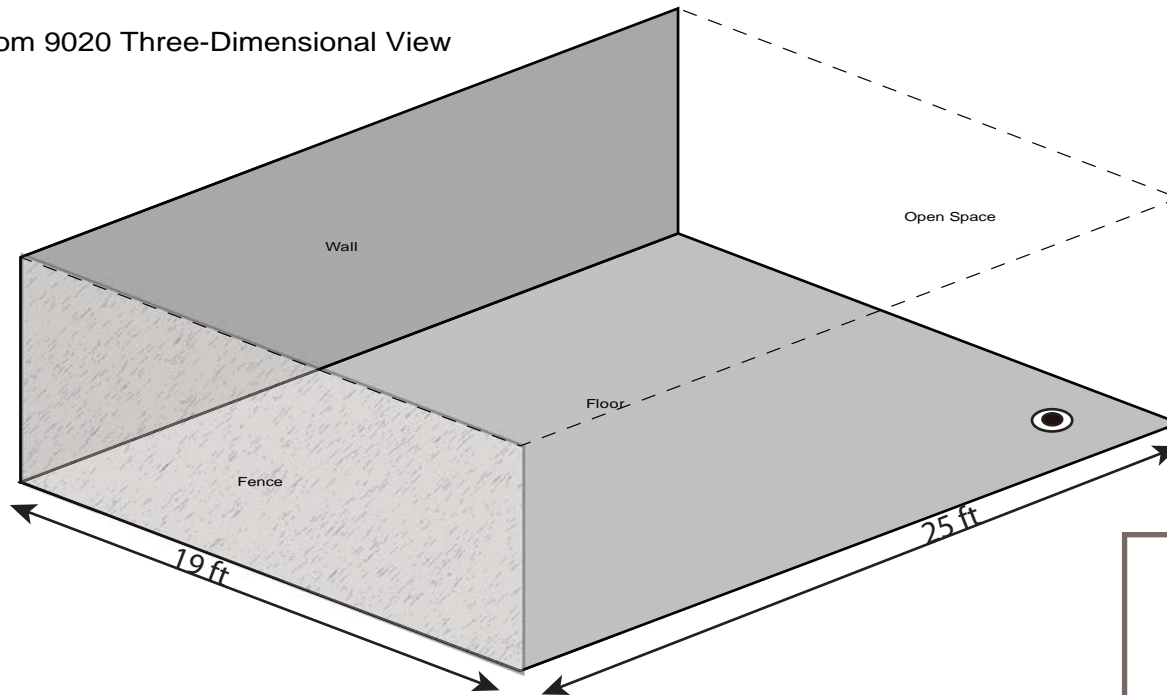
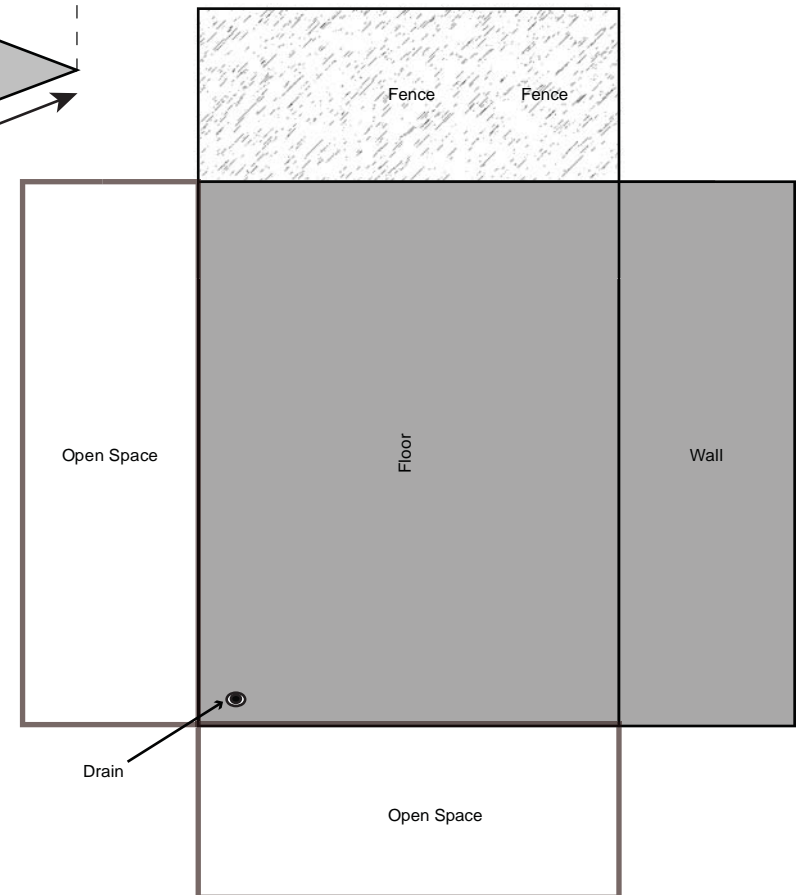


Figure 13:  
Technical Area (TA) 3, Building 29, Room 9010

Room 9020 Three-Dimensional View



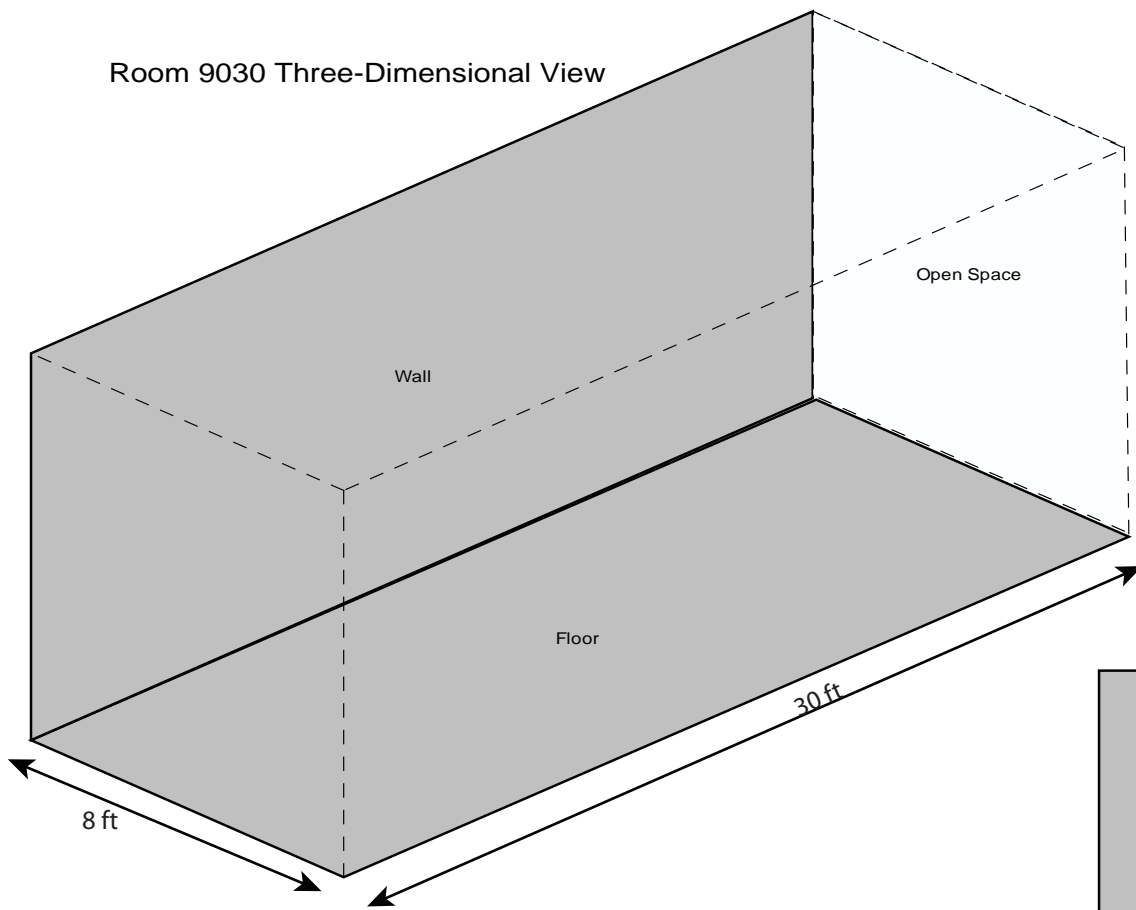
Room 9020 Plan View



- Storage Area Surface
- Chainlink fence
- Drain

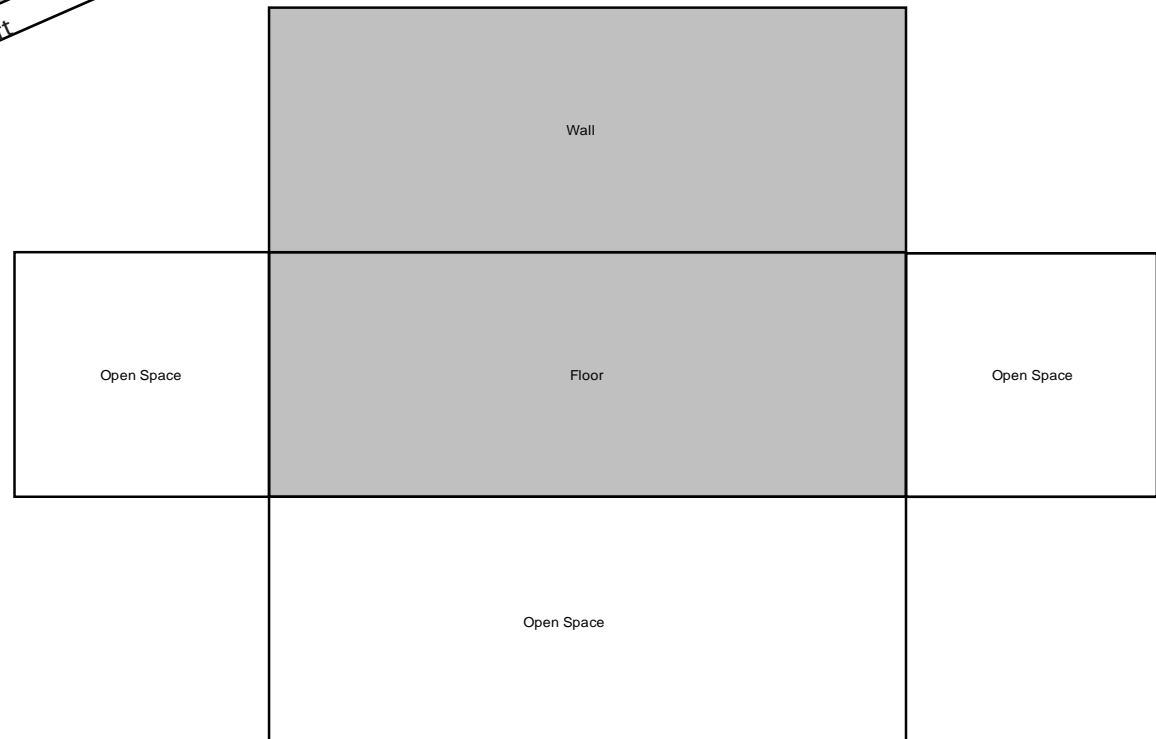
Not to scale

Figure 14:  
Technical Area (TA) 3, Building 29, Portion of Room 9020



Not to scale

Room 9030 Plan View



 Storage Area Surface

Figure 15:  
Technical Area 3, Building 29, Portion of Room 9030

**FIGURE 16 – RESERVED**

**FIGURE 17 – RESERVED**



**FIGURE 18 – RESERVED**

**FIGURE 19 – RESERVED**

**FIGURE 20 – RESERVED**

**FIGURE 21 – RESERVED**

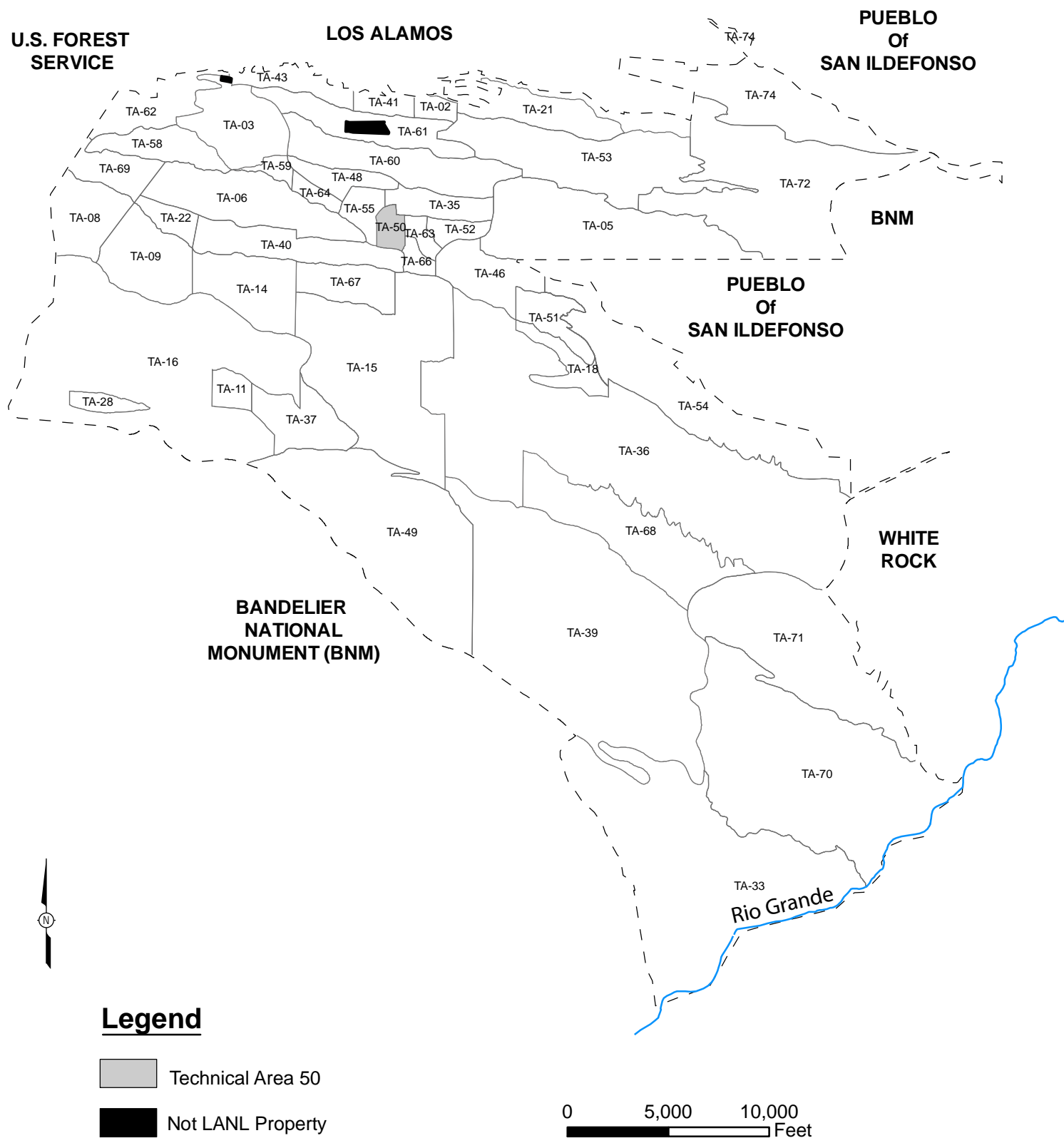


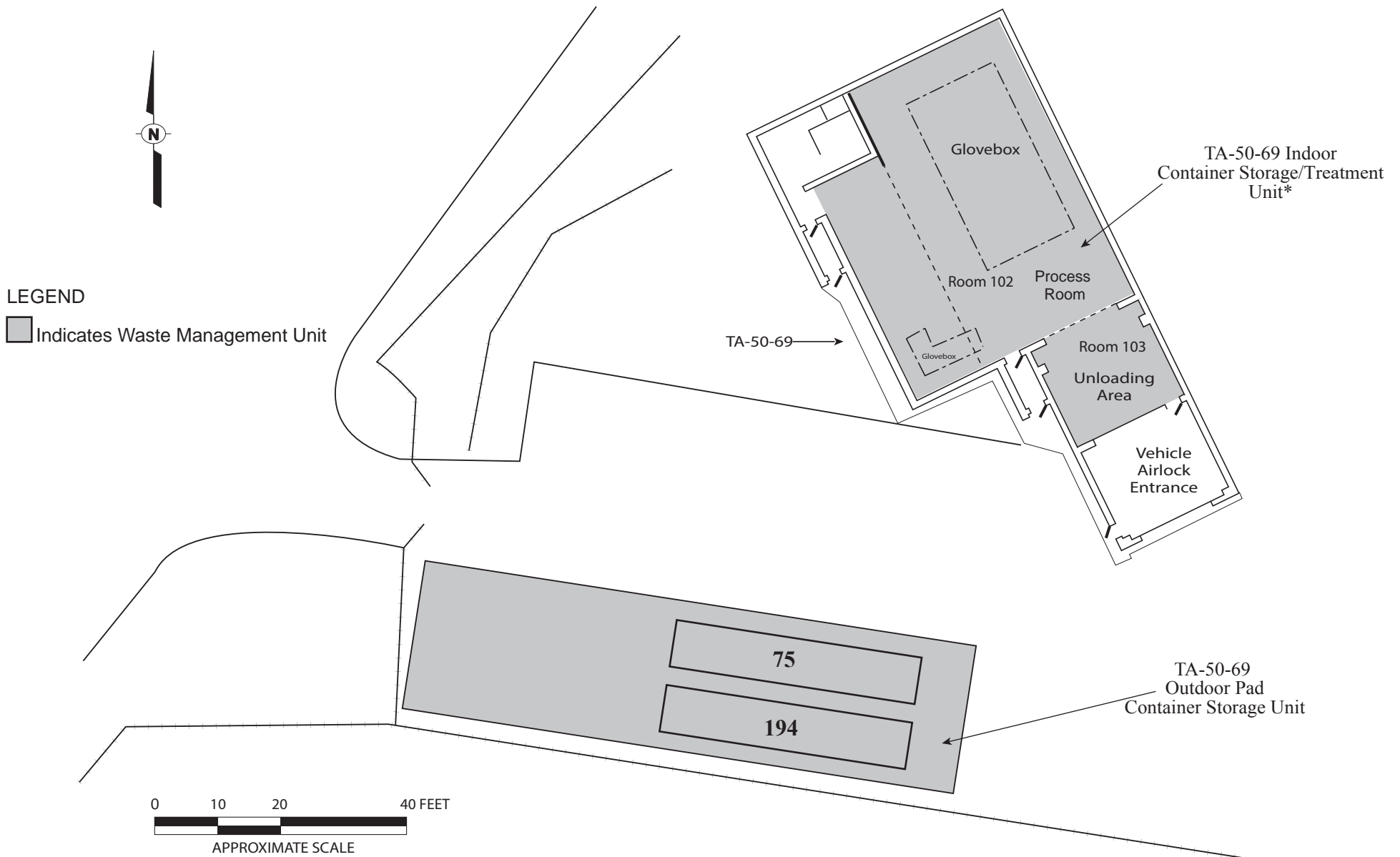
Figure 22:

## Technical Area (TA) 50 Location Map

Created by EP-WES-EDA GIS TEAM. Map Number 06-0108 November 13, 2008, modified by ENV-RCRA August 2009

State Plane Coordinate System New Mexico Central Zone North American Datum 1983 (ft)

This map was created for work processes associated with the Environmental & Remediation Support Services. All other uses for this map should be confirmed with LANL EP-WES staff.  
 Boundary of Department of Energy Property I Around the Los Alamos National Laboratory; Los Alamos National Laboratory, SSMO Site Planning & Project Initiation; infrastructure Planning Office. 04 June 2008  
 Boundary of Department of Energy Property In and Around the Los Alamos National Laboratory; Los Alamos National Laboratory, SSMO Site Planning & Project Initiation; 04 June 2008



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

Figure 23  
Technical Area (TA) 50, Building 69, Indoor Storage/Treatment Unit and Outdoor Container Storage Unit

**ATTACHMENT N**

**FIGURES**

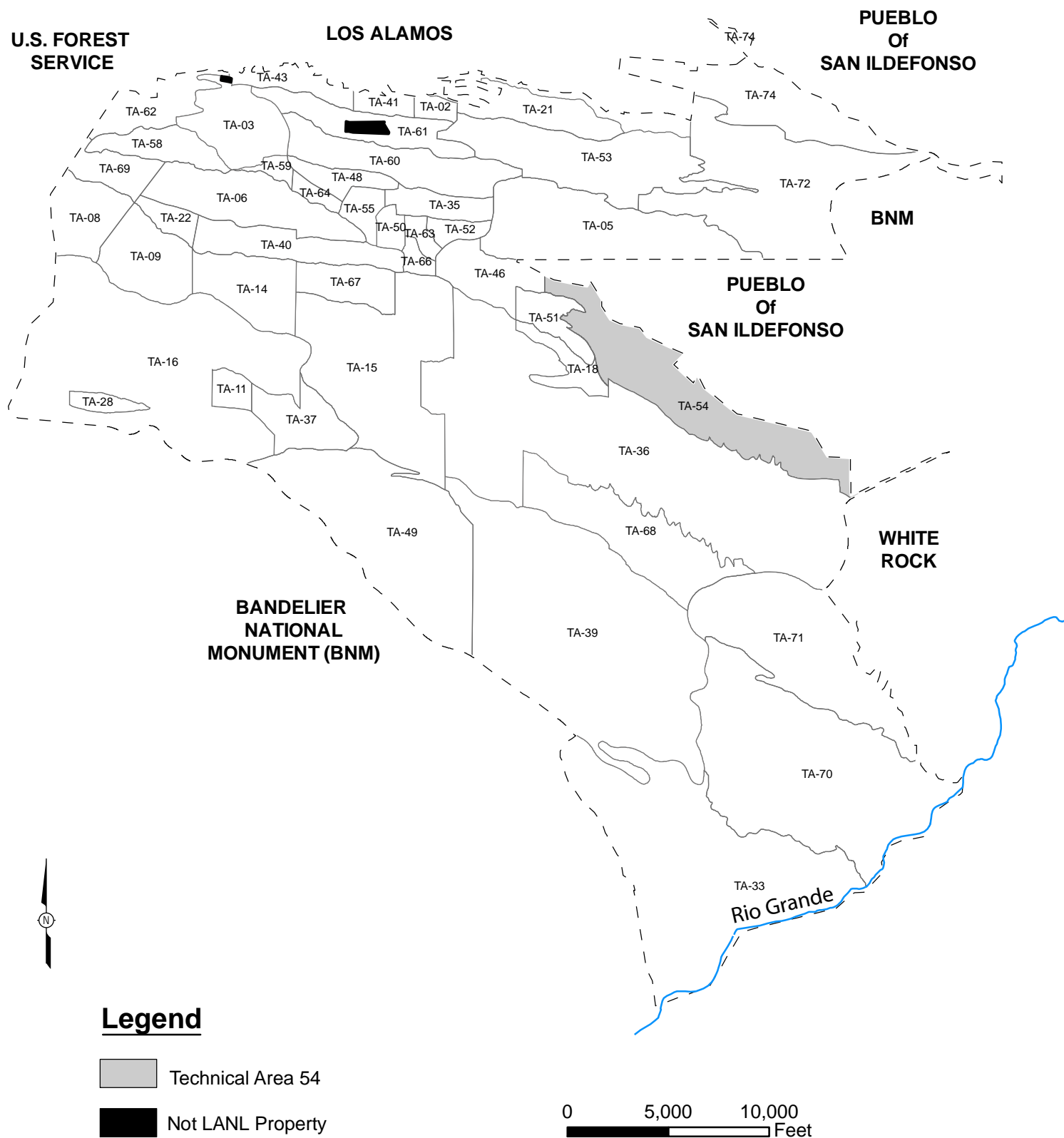


Figure 24:

### Technical Area (TA) 54 Location Map

Created by EP-WES-EDA GIS TEAM. Map Number 06-0108 November 13, 2008, modified by ENV-RCRA August 2009

State Plane Coordinate System New Mexico Central Zone North American Datum 1983 (ft)

This map was created for work processes associated with the Environmental & Remediation Support Services. All other uses for this map should be confirmed with LANL EP-WES staff.  
 Boundary of Department of Energy Property I Around the Los Alamos National Laboratory; Los Alamos National Laboratory, SSMO Site Planning & Project Initiation; infrastructure Planning Office. 04 June 2008  
 Boundary of Department of Energy Property In and Around the Los Alamos National Laboratory; Los Alamos National Laboratory, SSMO Site Planning & Project Initiation; 04 June 2008



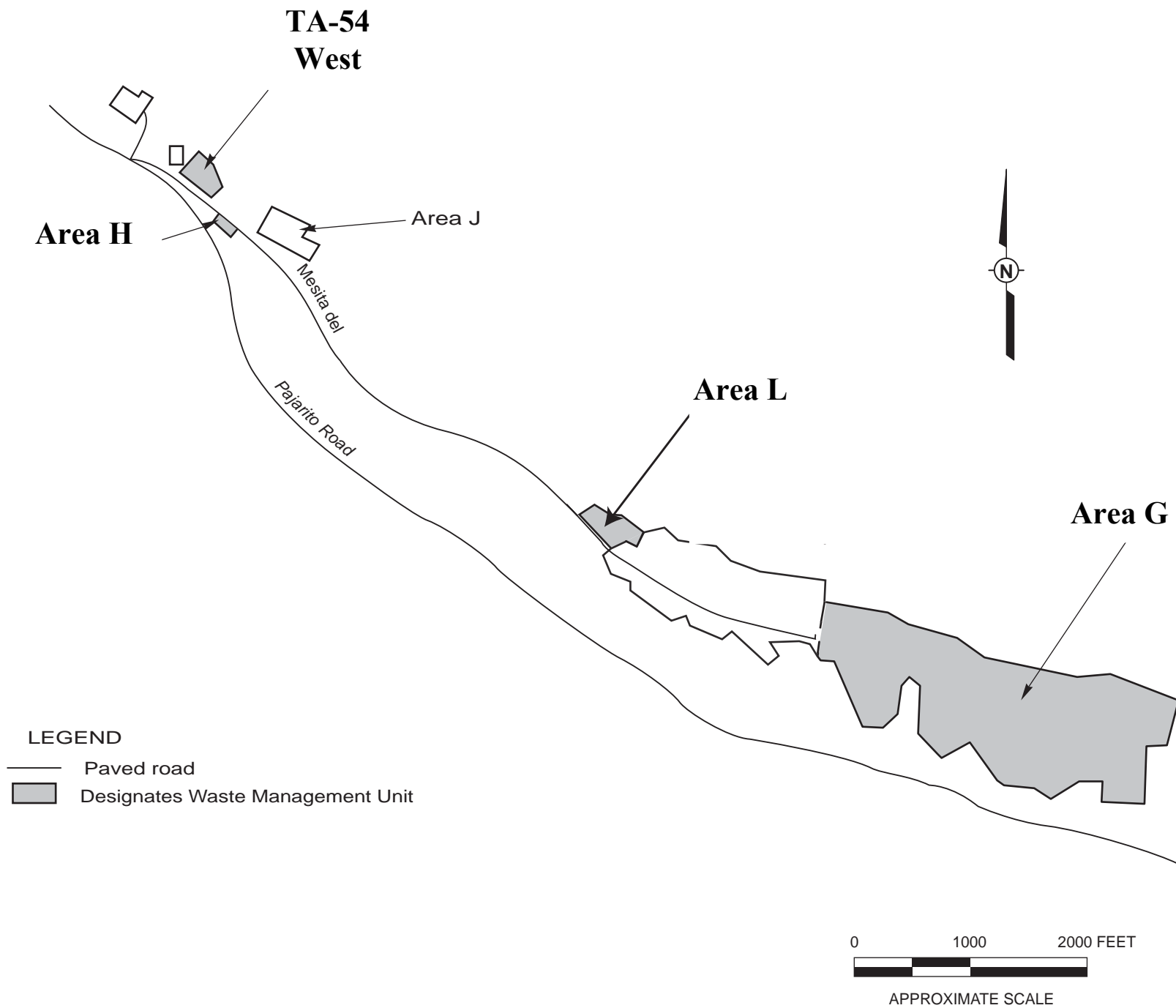


Figure 25  
Technical Area (TA)-54, Areas G, H, L, and TA-54 West Location Map

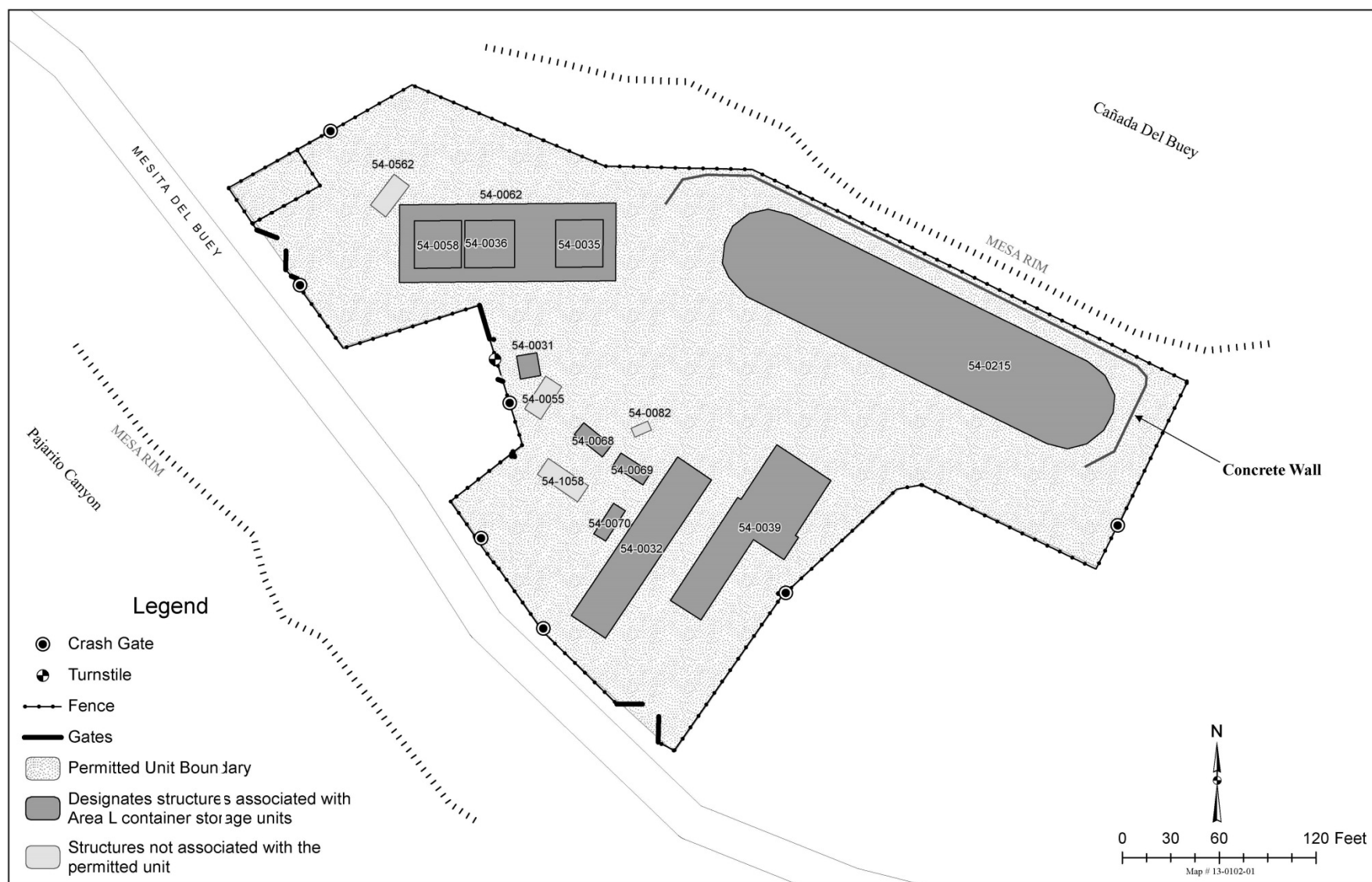
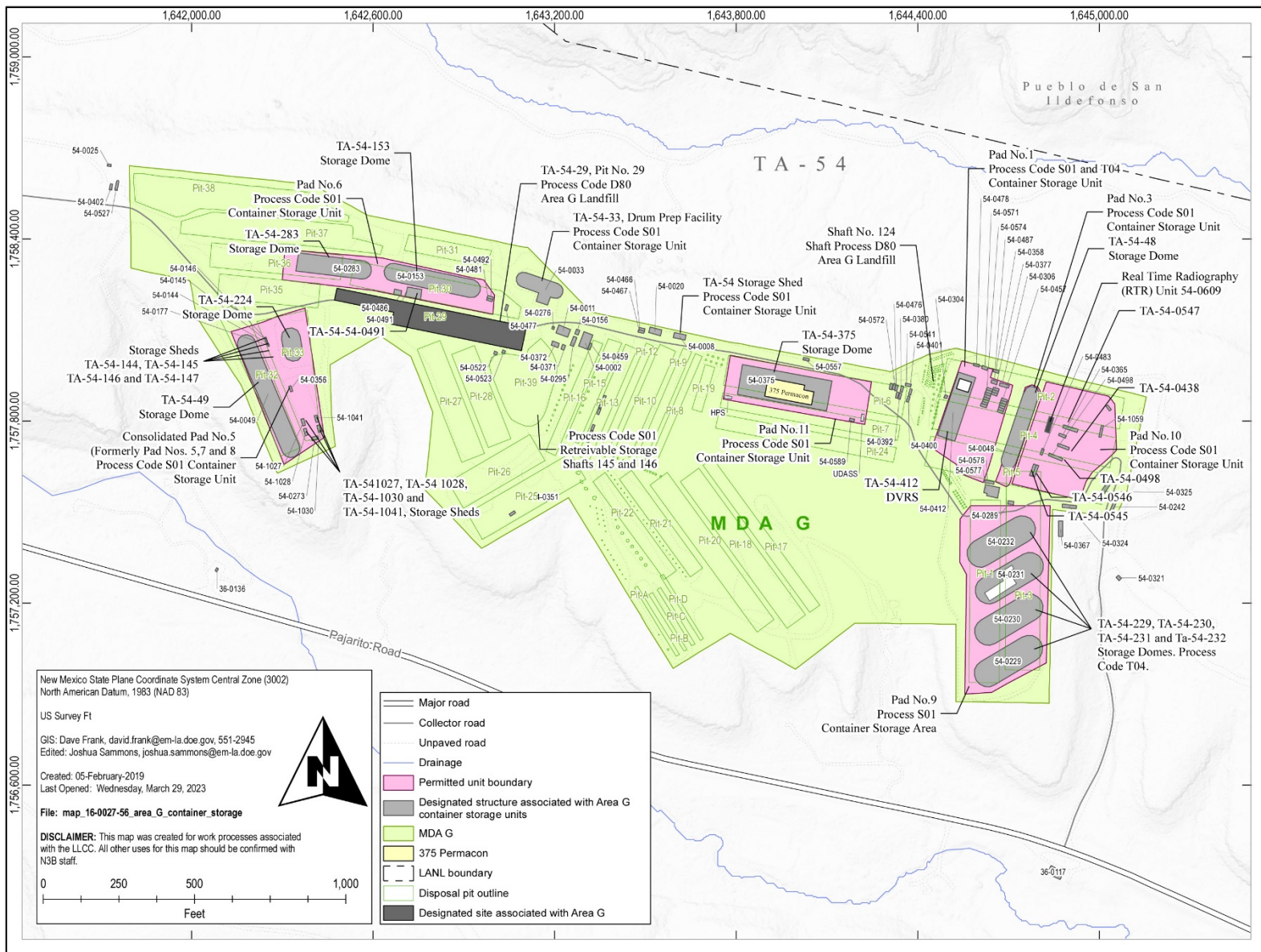
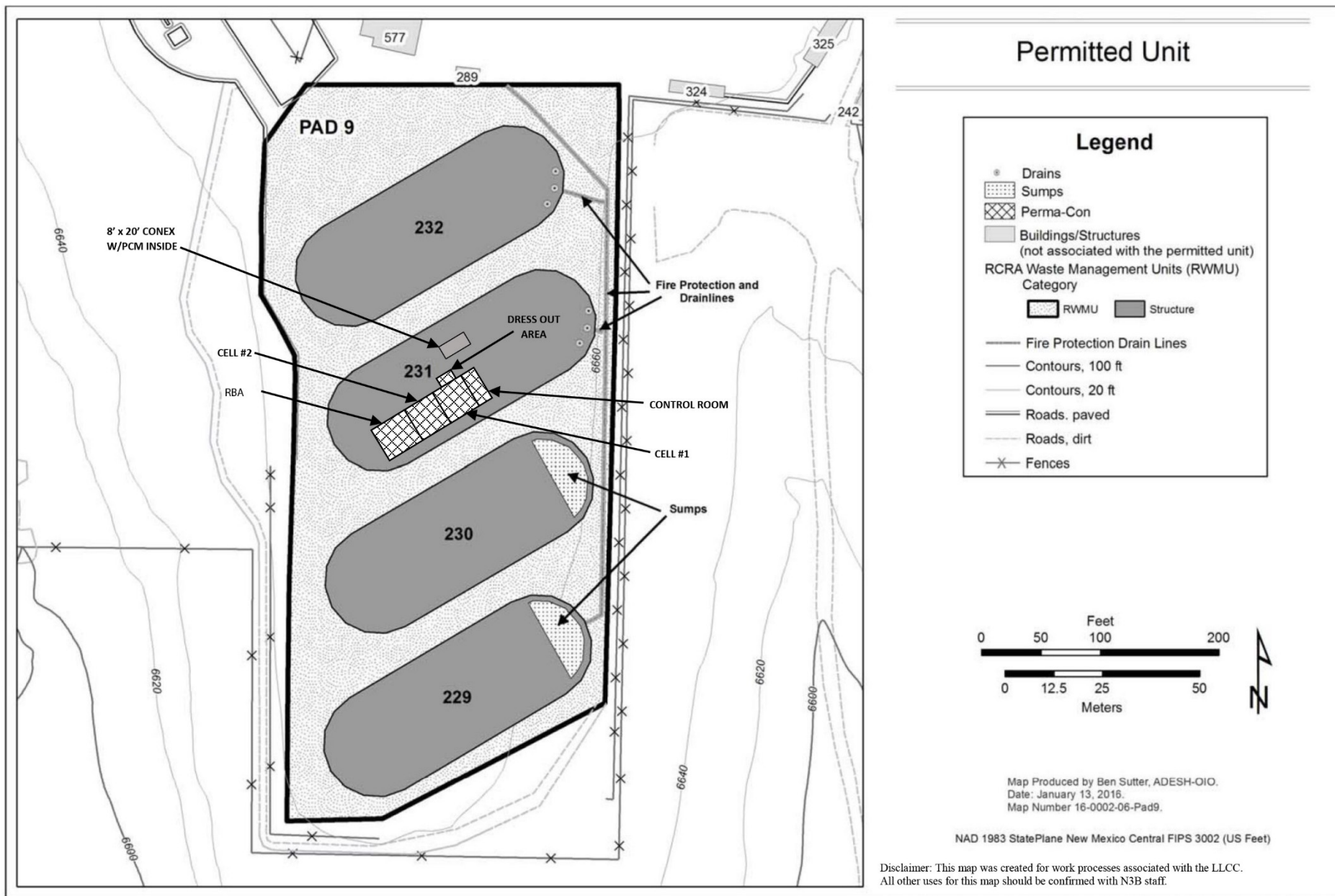


Figure 26: Technical Area 54, Area L, Container Storage Unit

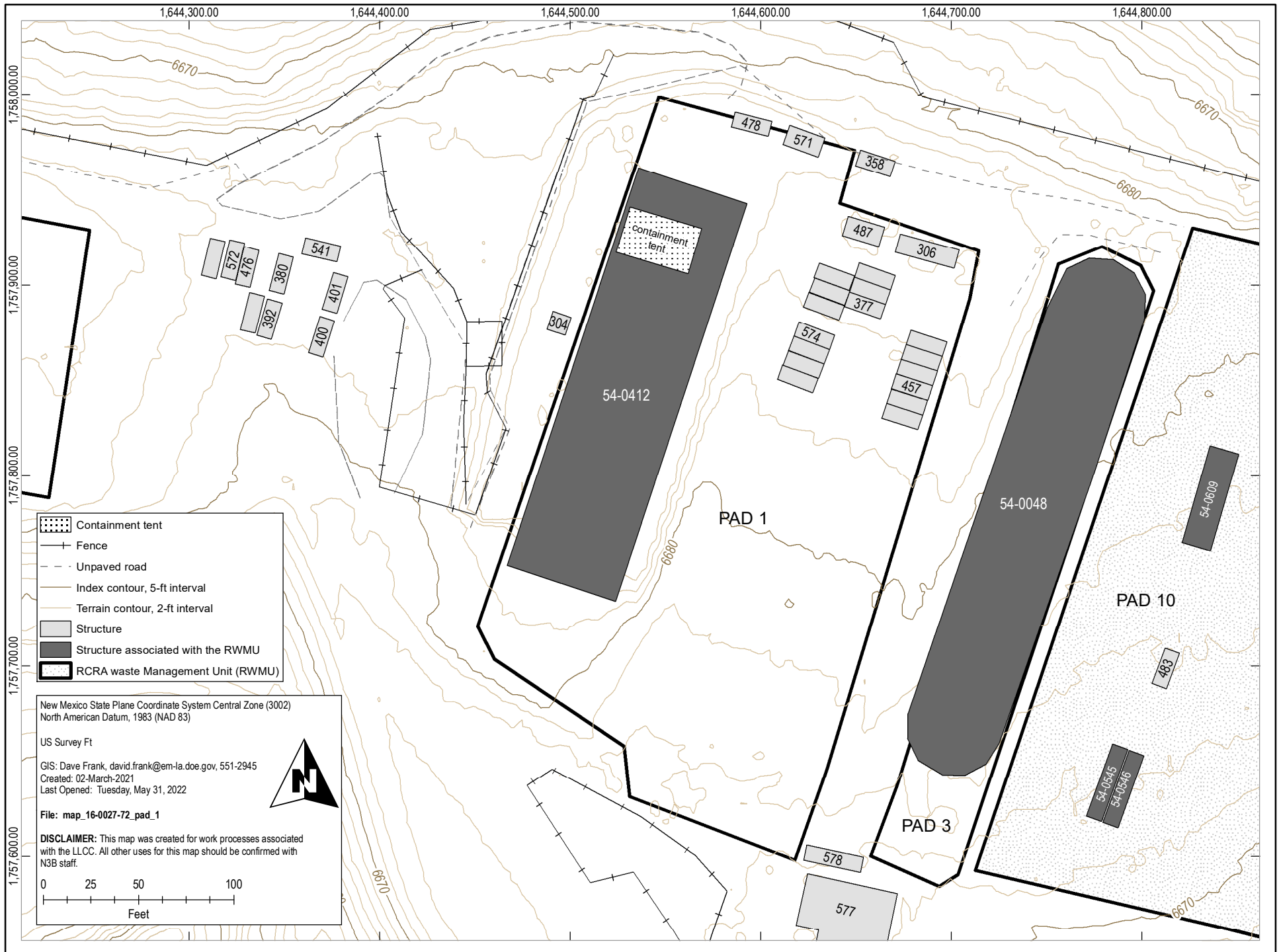


**Figure 27 TA-54, Area G, Container Storage and Treatment Units**

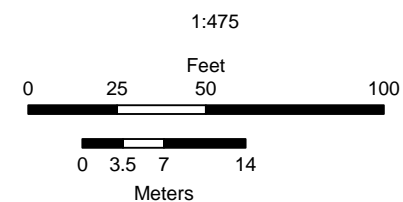
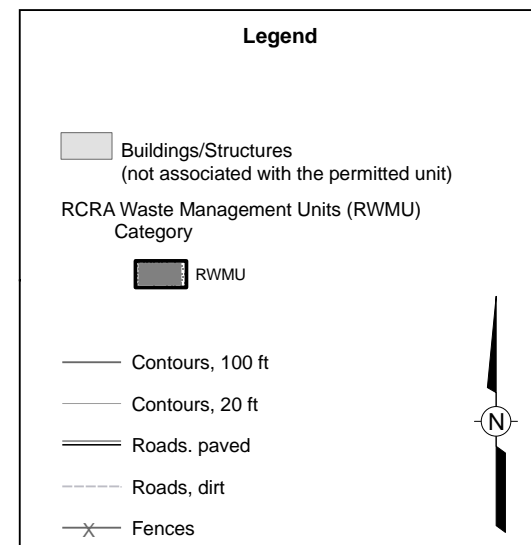
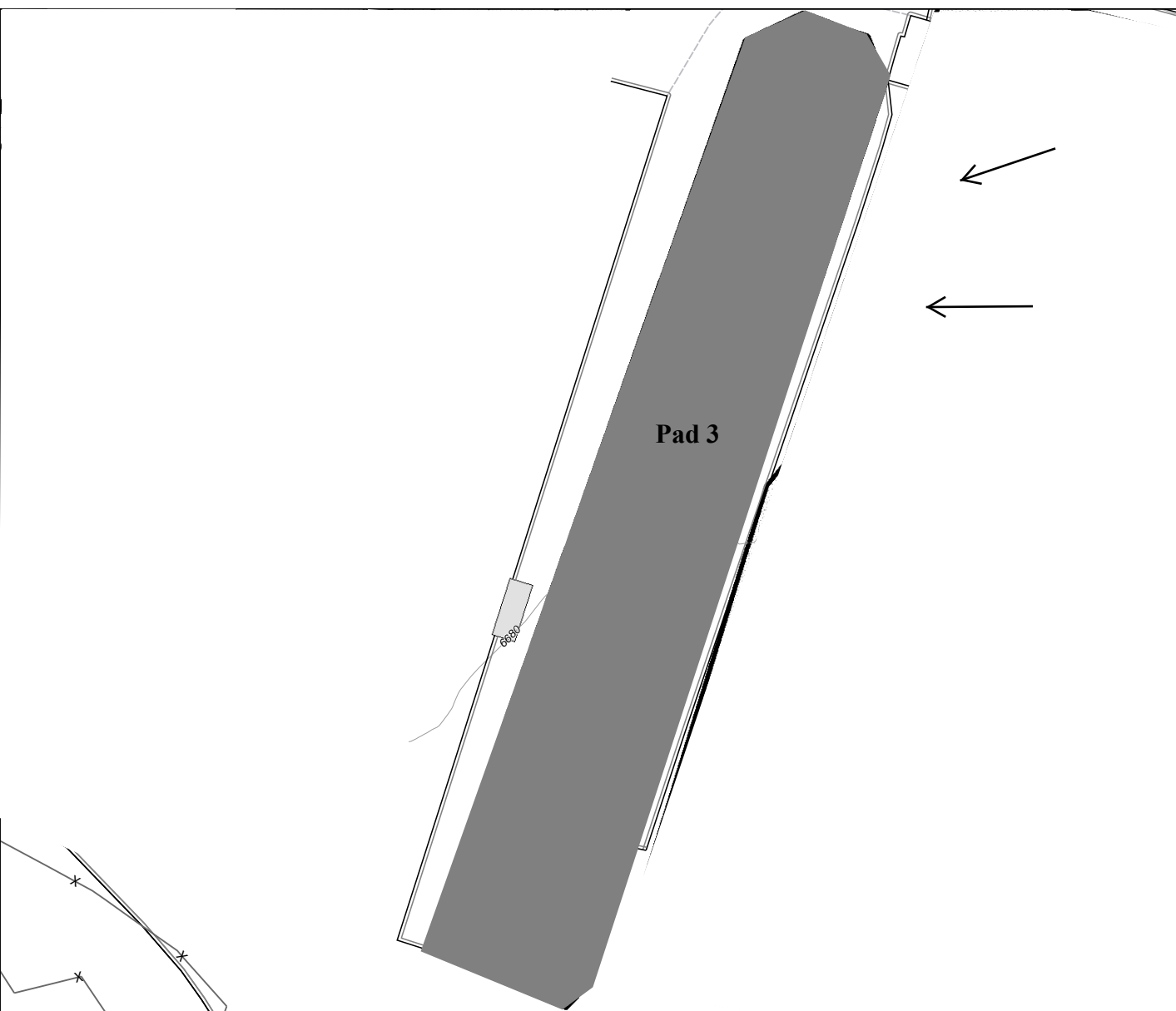


**Figure 28:** TA-54, Area G, Pad 9 Outdoor Container Storage/Treatment Unit (TWSP Domes 229, 230, 231, and 232)





**Figure 29: TA-54, Area G, Pad 1**



State Plane Coordinate System New Mexico, Central Zone, US Feet  
NAD 1983 Datum

DISCLAIMER: This map was created for work processes associated with the LANL Hazardous Waste Facility Permit. All other uses for this map should be confirmed with the LANL, ENV Division, Water Quality & RCRA..

**Figure 30:**  
Technical Area (TA)-54, Area G, Pad 3

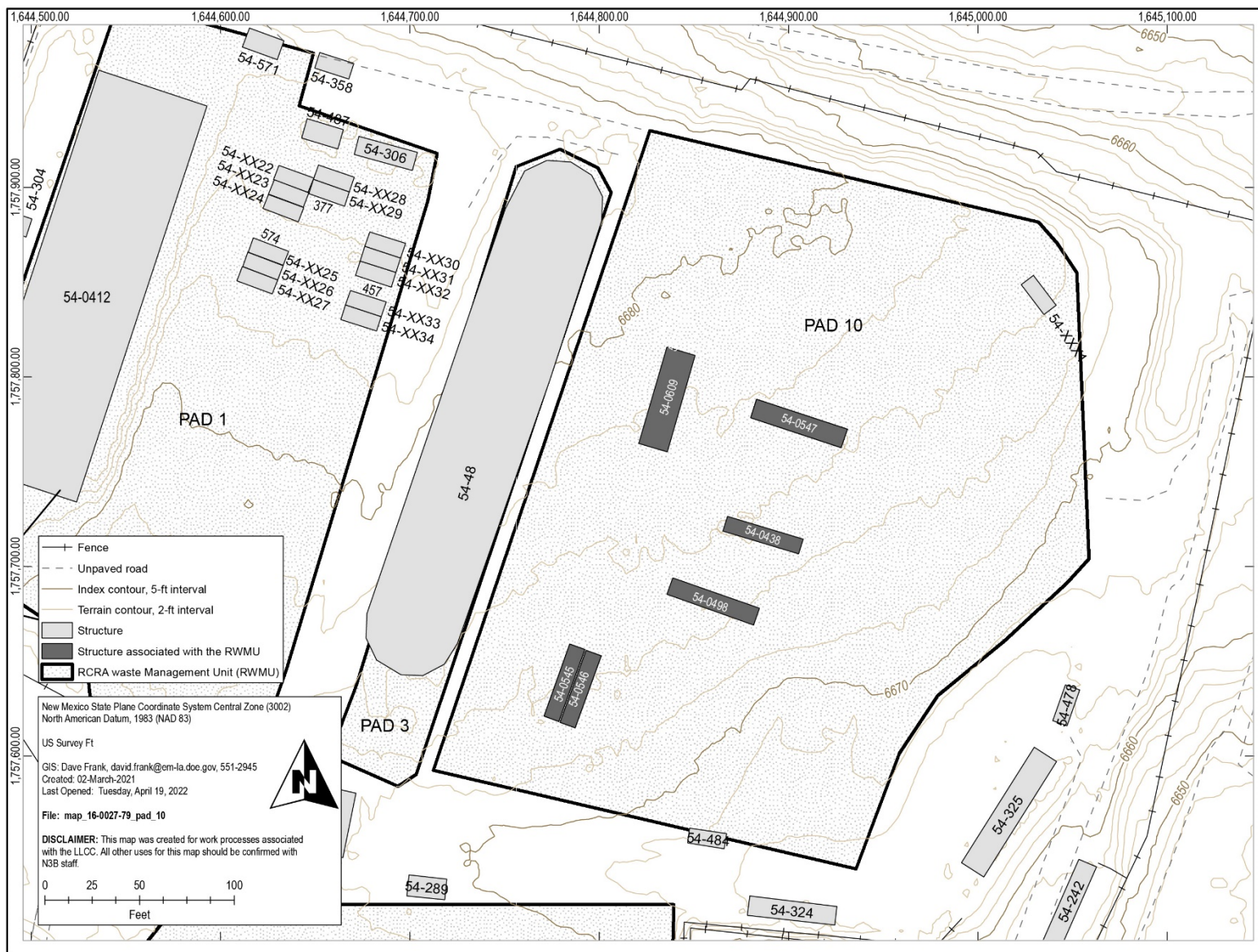
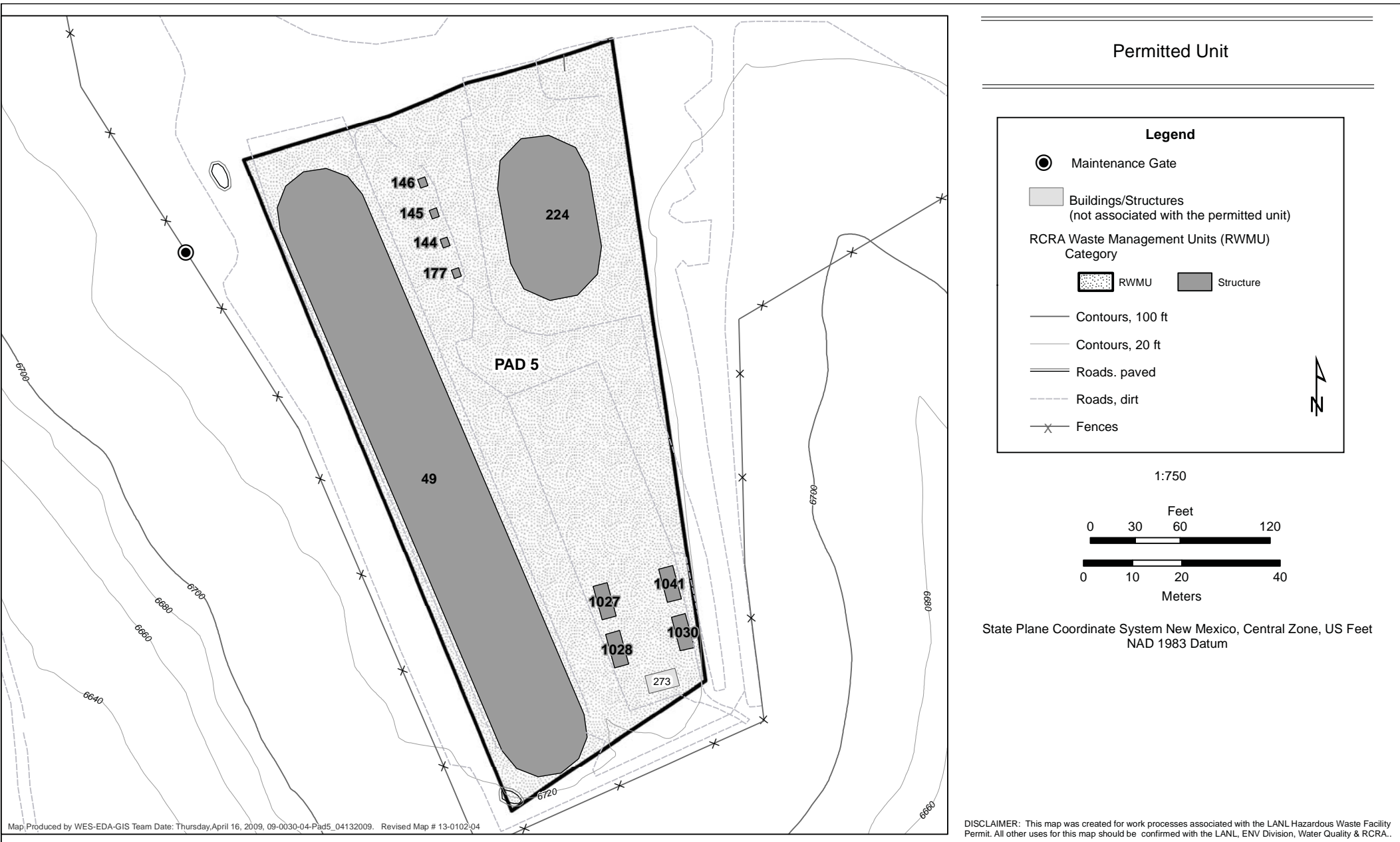


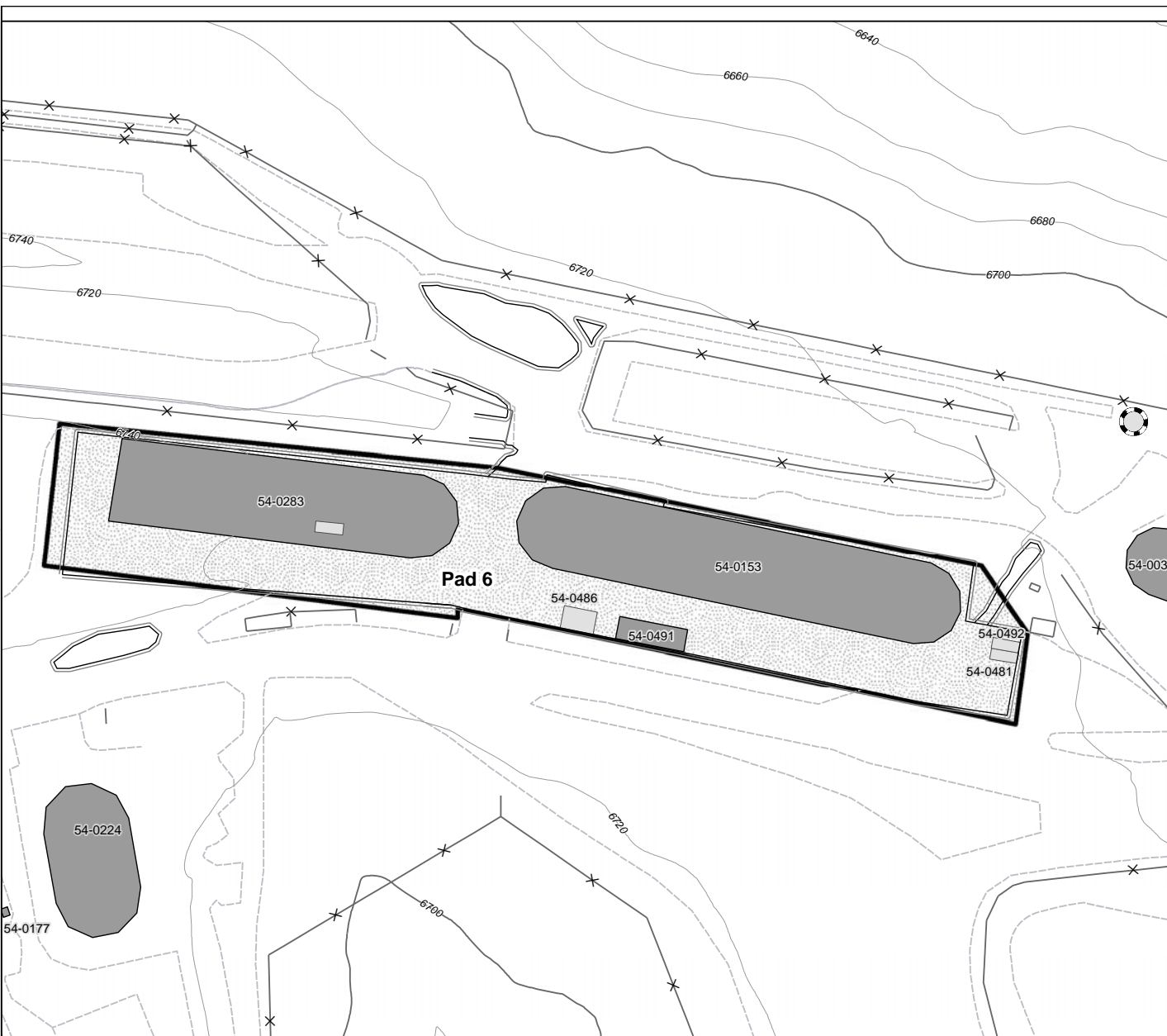
Figure 31 TA-54, Area G, Pad 10






**Figure 32:** Technical Area (TA)-54, Area G, Pad 5 (Domes 49 and 224; and Storage Sheds 114, 145, 146, 177, 1027, 1028, 1030, and 1041)






## Permitted Unit

### Legend

 Buildings/Structures  
(not associated with the permitted unit)

RCRA Waste Management Units (RWMU)  
Category

 RWMU  Structure


 Sediment Trap

 Contours, 100 ft

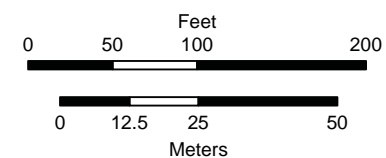
 Contours, 20 ft

 Roads, paved

 Roads, dirt

 Fences

1:1,000



State Plane Coordinate System New Mexico, Central Zone, US Feet  
NAD 1983 Datum

Map Produced by Ben Sutter, ADBI-SI.  
Date: March 20, 2017.  
Map Number 17-0020-08.

DISCLAIMER: This map was created for work processes associated with the LANL Hazardous Waste Facility Permit. All other uses for this map should be confirmed with the LANL, ENV Division, Water Quality & RCRA..

**Figure 33: Technical Area (TA)-54, Area G, Pad 6, (Domes 153 & 283)**

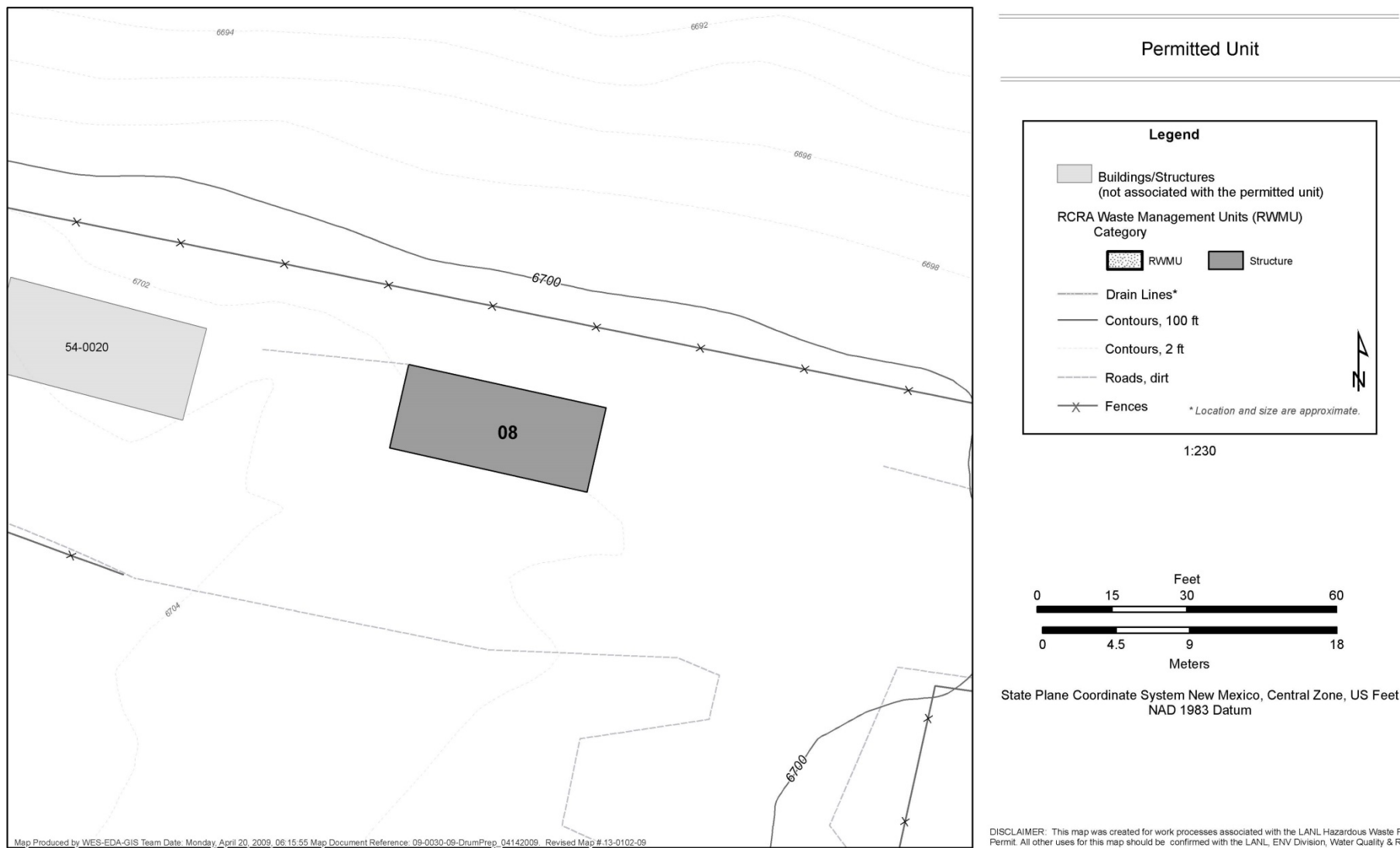
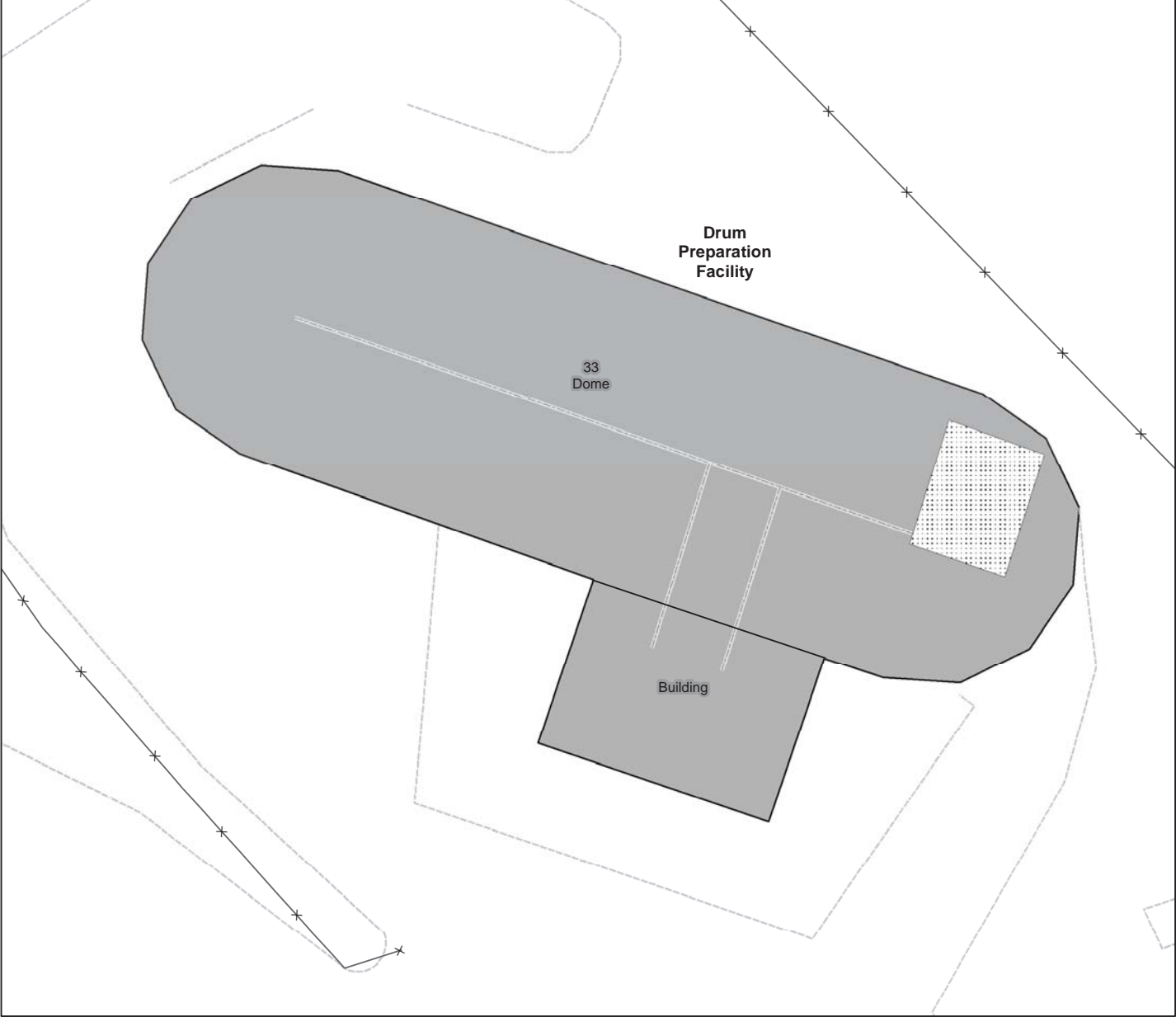


Figure 34: Technical Area (TA)-54, Area G, Storage Shed 8



### Legend

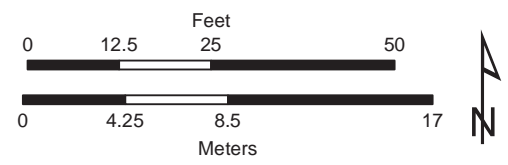
- Sumps\*
- Buildings/Structures (not associated with the permitted unit)

RCRA Waste Management Units (RWMU) Category

- RWMU
- Structure

- Drain Lines\*
- Contours, 100 ft
- Contours, 20 ft
- Roads, paved
- Roads, dirt
- Fences

*\* Location and size are approximate.*

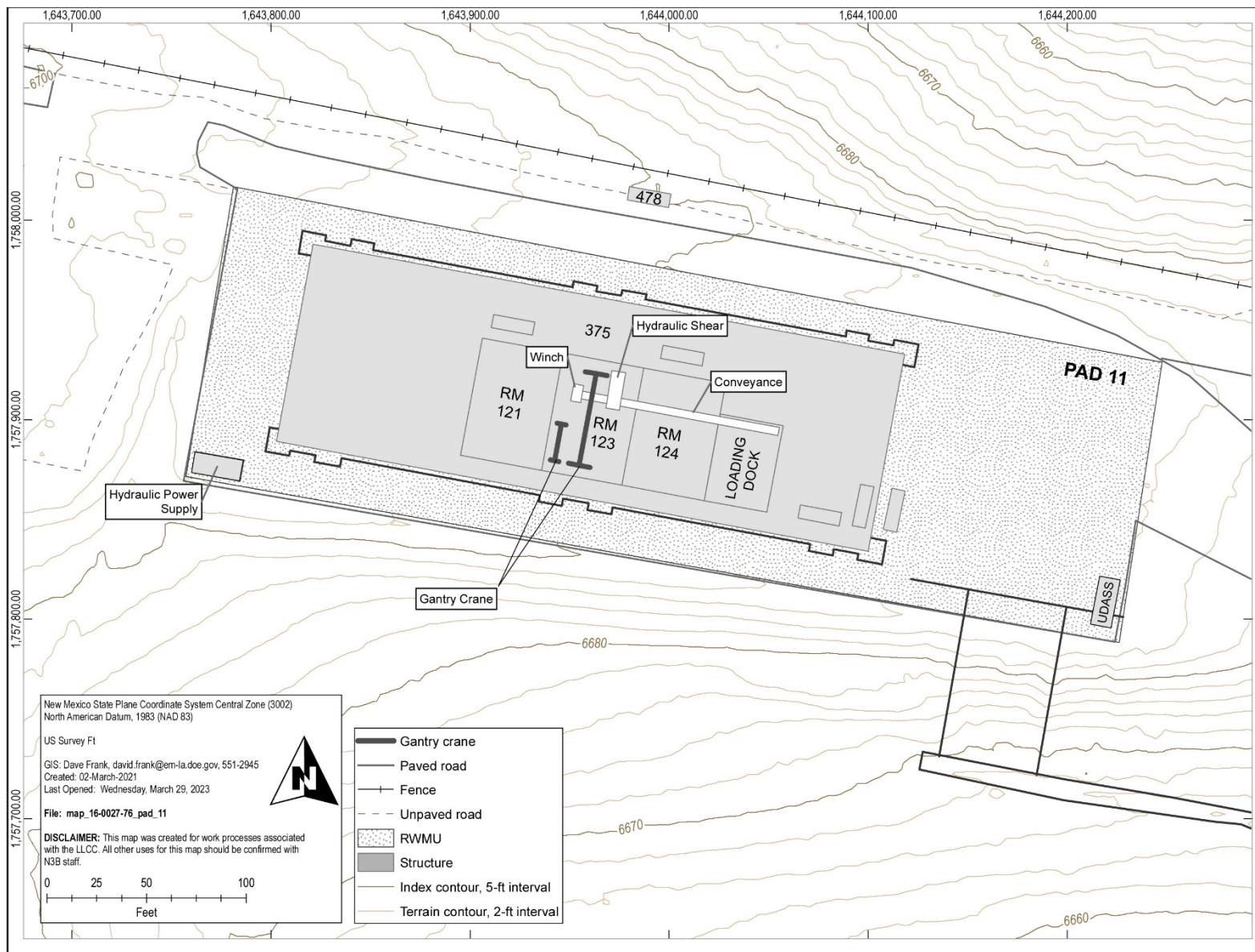


Map Produced by Ben Sutter, ADESH-OIO.  
 Date: March 20, 2017.  
 Map Number 17-0020-07-Building33\_2.

NAD 1983 StatePlane New Mexico Central FIPS 3002 (US Feet)

DISCLAIMER: This map was created for work processes associated with the LANL Hazardous Waste Facility Permit. All other uses for this map should be confirmed with the LANL, ENV Division, Water Quality & RCRA..

Figure 35  
 Technical Area (TA)-54, Area G, Building 33



**Figure 36 TA-54, Area G, Pad 11 (Dome 375)**

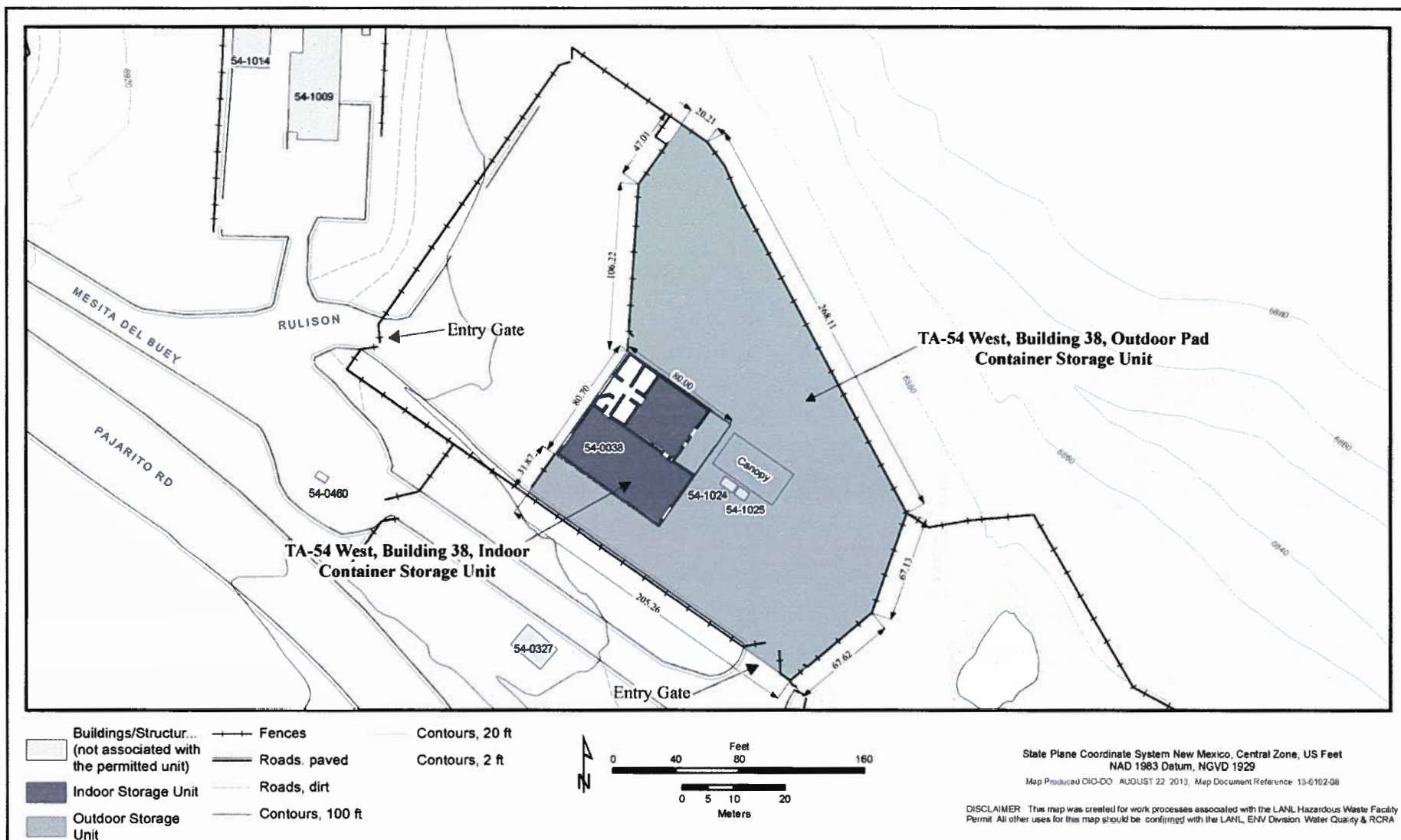


Figure 37: Technical Area (TA) 54 West, Building 38 Indoor (High Bay and Low Bay) and Outdoor Pad



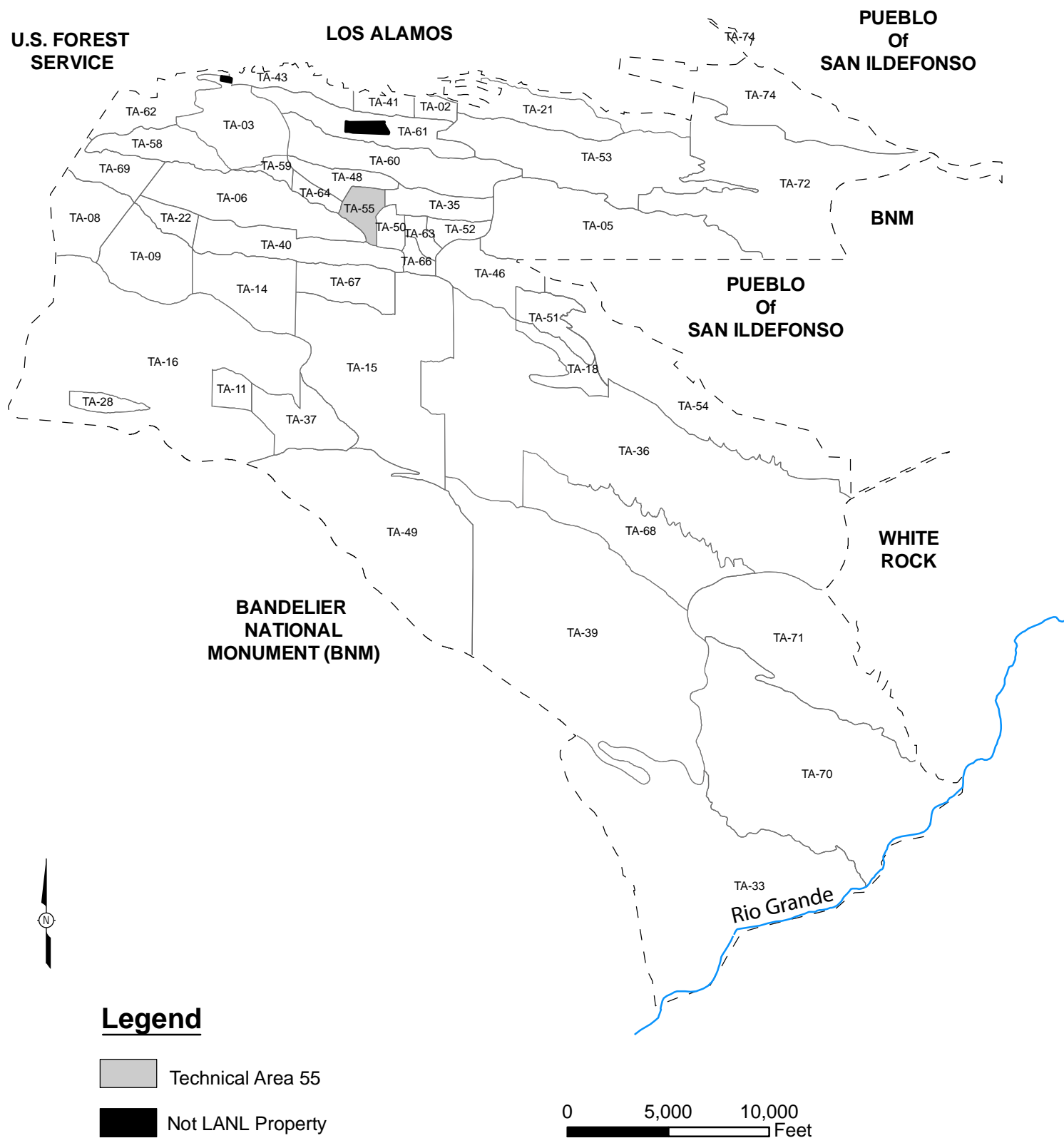


Figure 38:

### Technical Area (TA) 55 Location Map

Created by EP-WES-EDA GIS TEAM. Map Number 06-0108 November 13, 2008, modified by ENV-RCRA August 2009

State Plane Coordinate System New Mexico Central Zone North American Datum 1983 (ft)

This map was created for work processes associated with the Environmental & Remediation Support Services. All other uses for this map should be confirmed with LANL EP-WES staff.  
 Boundary of Department of Energy Property I Around the Los Alamos National Laboratory; Los Alamos National Laboratory, SSMO Site Planning & Project Initiation; infrastructure Planning Office. 04 June 2008  
 Boundary of Department of Energy Property In and Around the Los Alamos National Laboratory; Los Alamos National Laboratory, SSMO Site Planning & Project Initiation; 04 June 2008

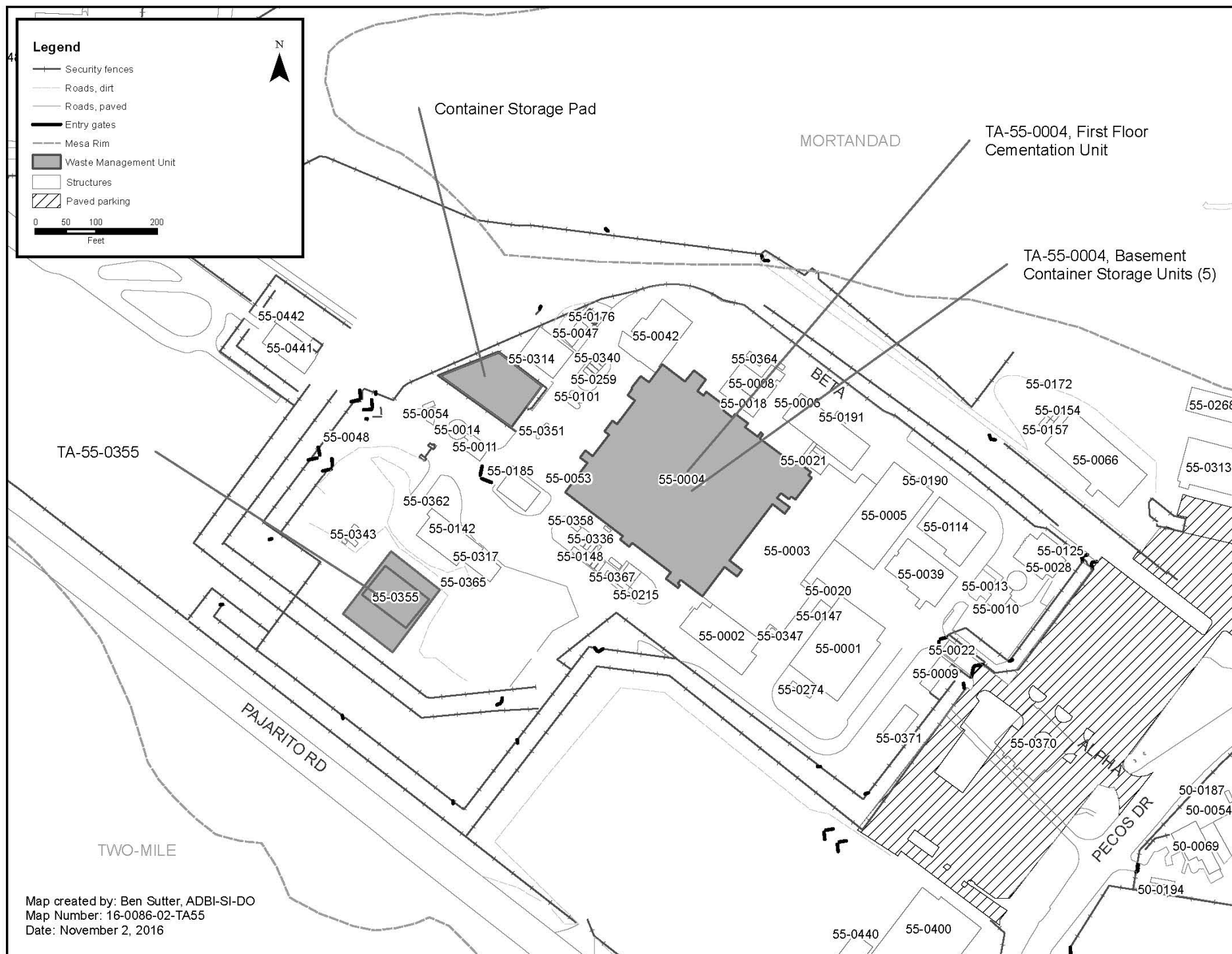


Figure 39  
Technical Area (TA) 55, Building 4 Location Map

**(FIGURE 40 - TA-55, BUILDING 4, ROOM B40)**

**UCNI**

**LOS ALAMOS NATIONAL LABORATORY**

**THIS FIGURE CONTAINS UNCLASSIFIED CONTROLLED NUCLEAR  
INFORMATION (UCNI) AS DEFINED BY SECTION 148 OF THE ATOMIC ENERGY  
ACT**



**(FIGURE 41 - TA-55, BUILDING 4, ROOM K13)**

**UCNI**

**LOS ALAMOS NATIONAL LABORATORY**

**THIS FIGURE CONTAINS UNCLASSIFIED CONTROLLED NUCLEAR  
INFORMATION (UCNI) AS DEFINED BY SECTION 148 OF THE ATOMIC ENERGY  
ACT**

**(FIGURE 42 - TA-55, BUILDING 4, ROOM B05)**

**UCNI**

**LOS ALAMOS NATIONAL LABORATORY**

**THIS FIGURE CONTAINS UNCLASSIFIED CONTROLLED NUCLEAR  
INFORMATION (UCNI) AS DEFINED BY SECTION 148 OF THE ATOMIC ENERGY  
ACT**

**(FIGURE 43 - TA-55, BUILDING 4, ROOM B45)**

**UCNI**

**LOS ALAMOS NATIONAL LABORATORY**

**THIS FIGURE CONTAINS UNCLASSIFIED CONTROLLED NUCLEAR  
INFORMATION (UCNI) AS DEFINED BY SECTION 148 OF THE ATOMIC ENERGY  
ACT**

**(FIGURE 44 - TA-55, BUILDING 4, VAULT)**

**UCNI**

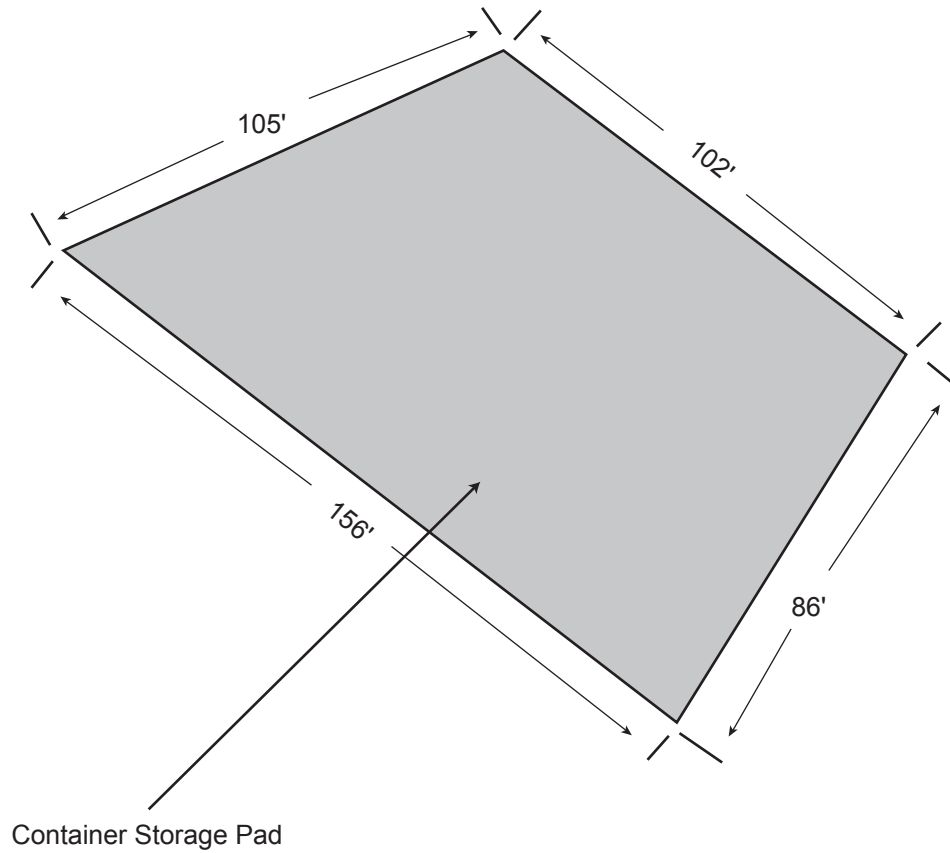
**LOS ALAMOS NATIONAL LABORATORY**

**THIS FIGURE CONTAINS UNCLASSIFIED CONTROLLED NUCLEAR  
INFORMATION (UCNI) AS DEFINED BY SECTION 148 OF THE ATOMIC ENERGY  
ACT**



LEGEND

 Designates Waste Management Unit



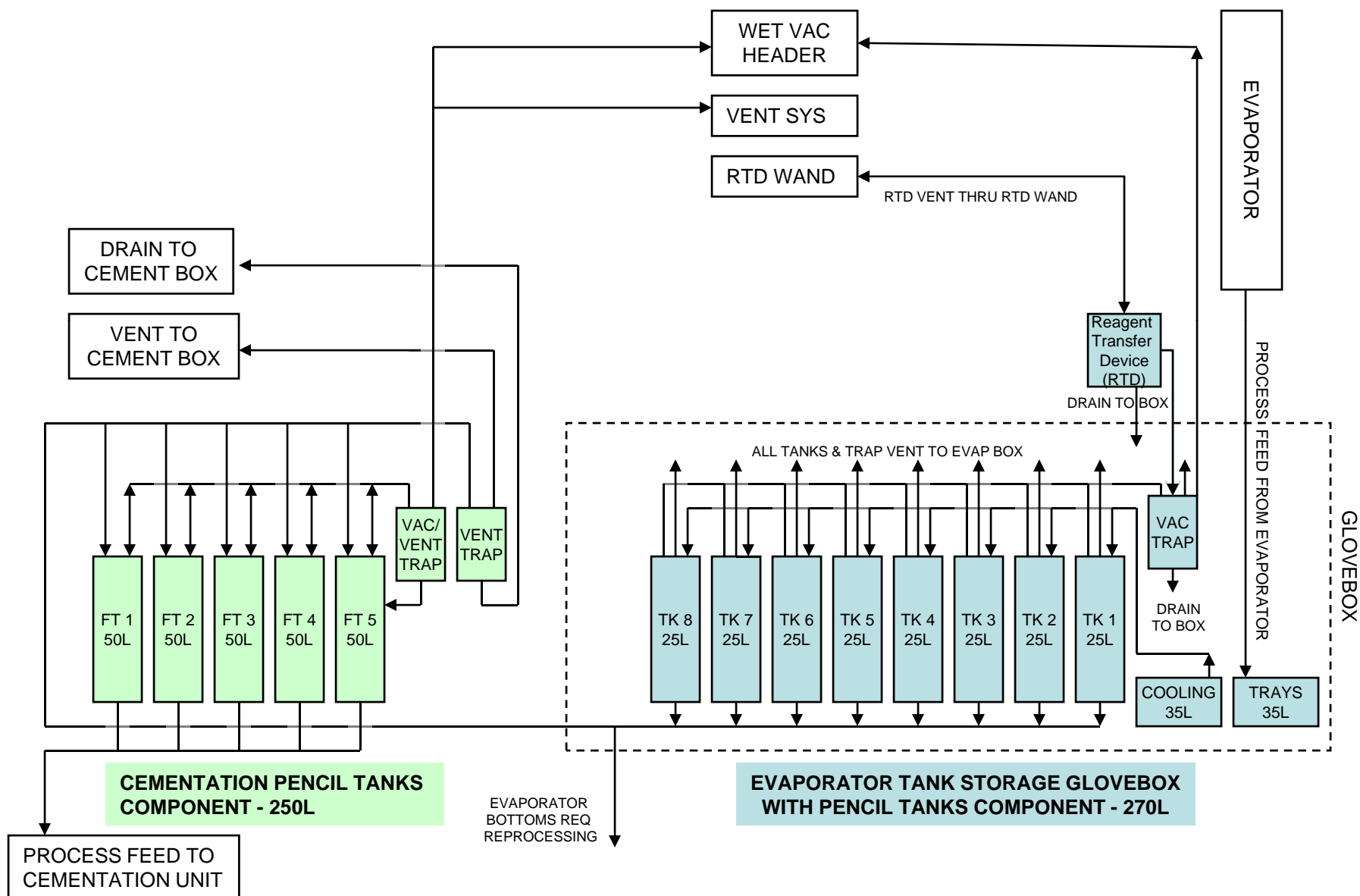
Note: TA-55-4 is located approximately 140 feet east of this container storage pad. Refer to Figure 39 for the general location of this container storage pad in relation to other buildings/structures at TA-55.

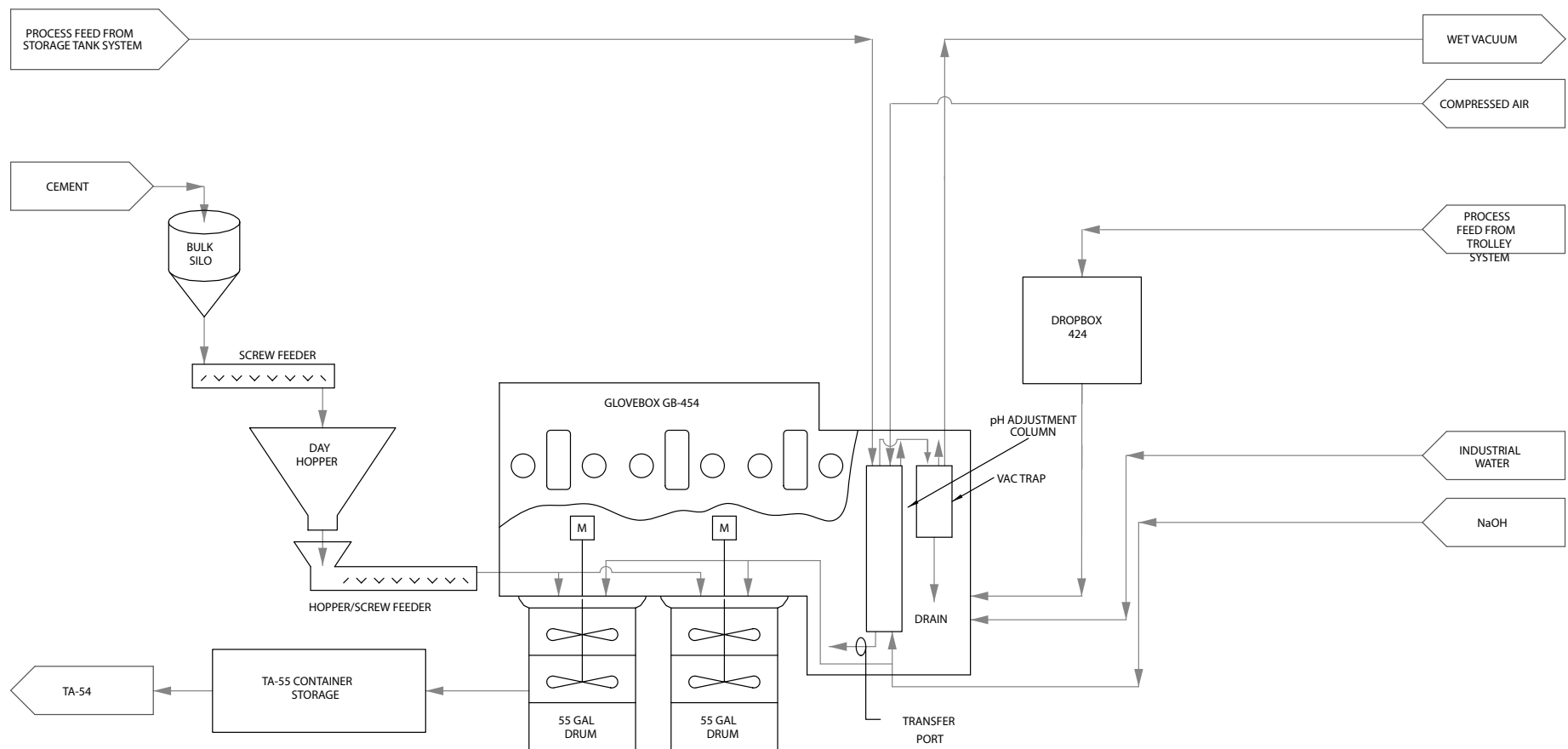
NOT TO SCALE

Figure 45  
Technical Area (TA)-55, Building 4, Outdoor Container Storage Pad

**Figure 46 Removed December 2015**

**Figure 47:** TA-55, Building 4, Room 401, Storage Tank System Process Flow Diagram





**Figure 48**  
**Technical Area (TA)-55, Building 4, Room 401, Cementation Unit Process Flow Diagram**



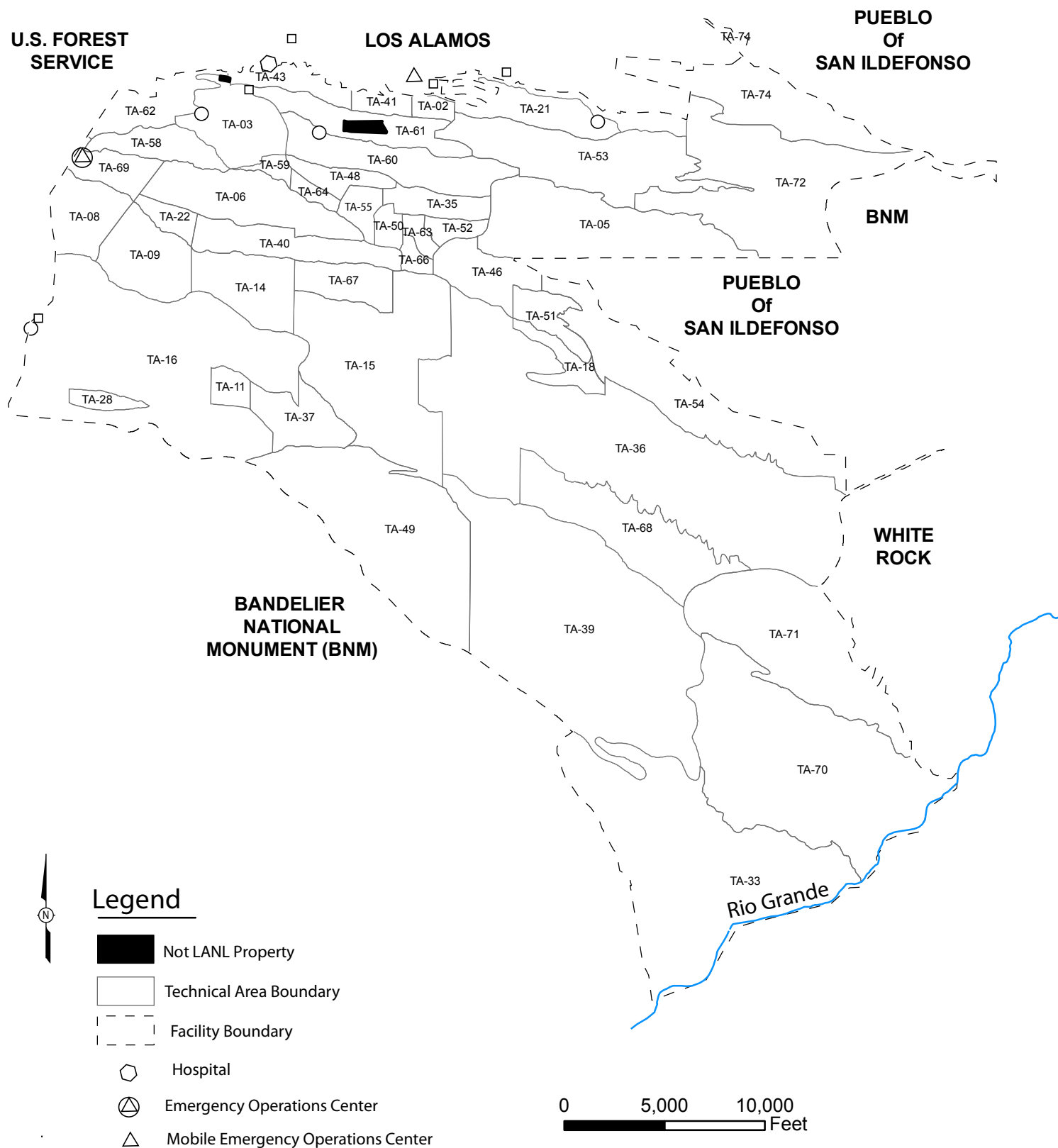
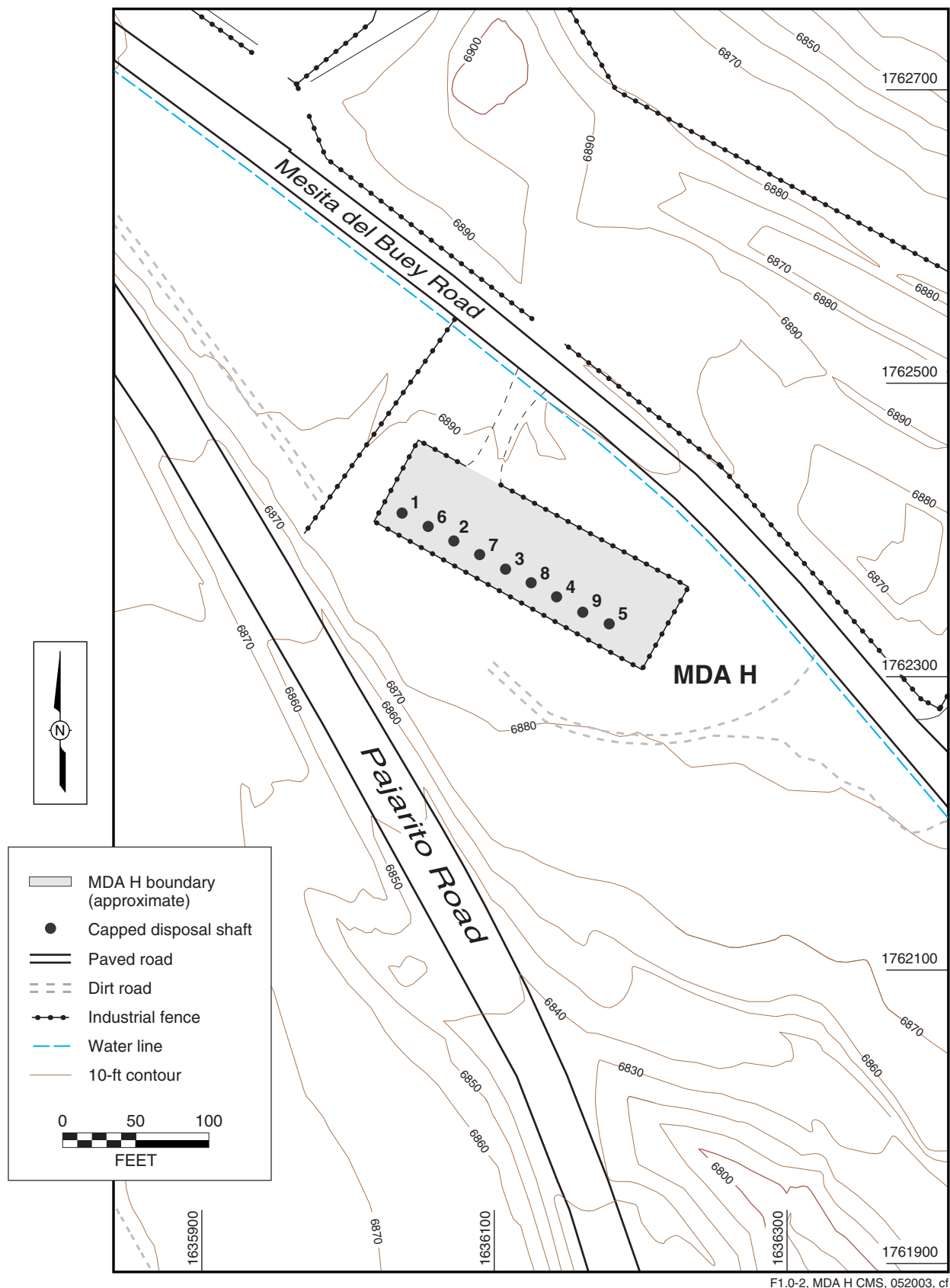
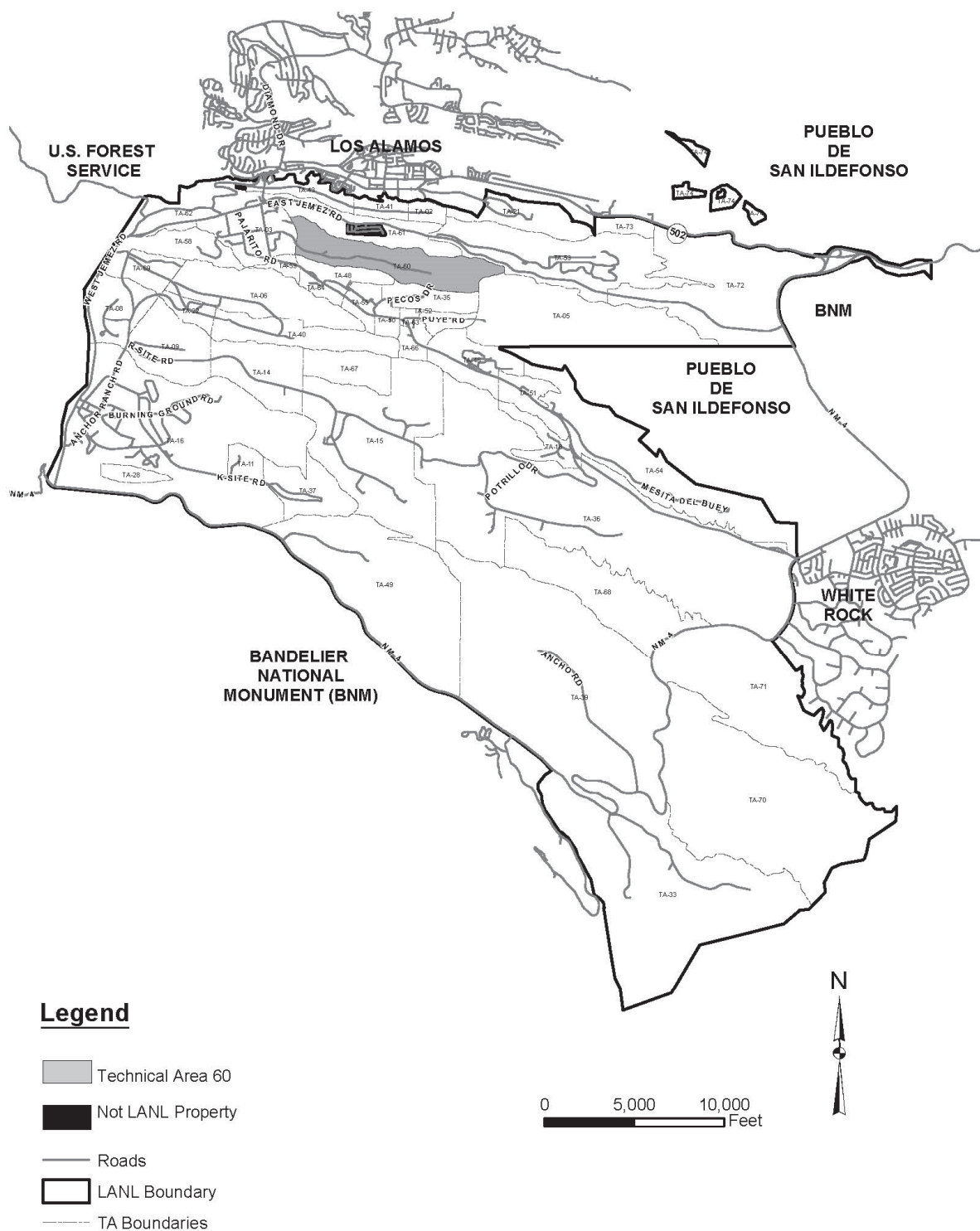


Figure 49:  
Emergency Facilities at Los Alamos National Laboratory (LANL)



F1.0-2, MDA H CMS, 052003, cf

**Figure 50:**  
Technical Area (TA)-54, Material Disposal Area (MDA) H



**Figure 51: TA-60 Location Map**

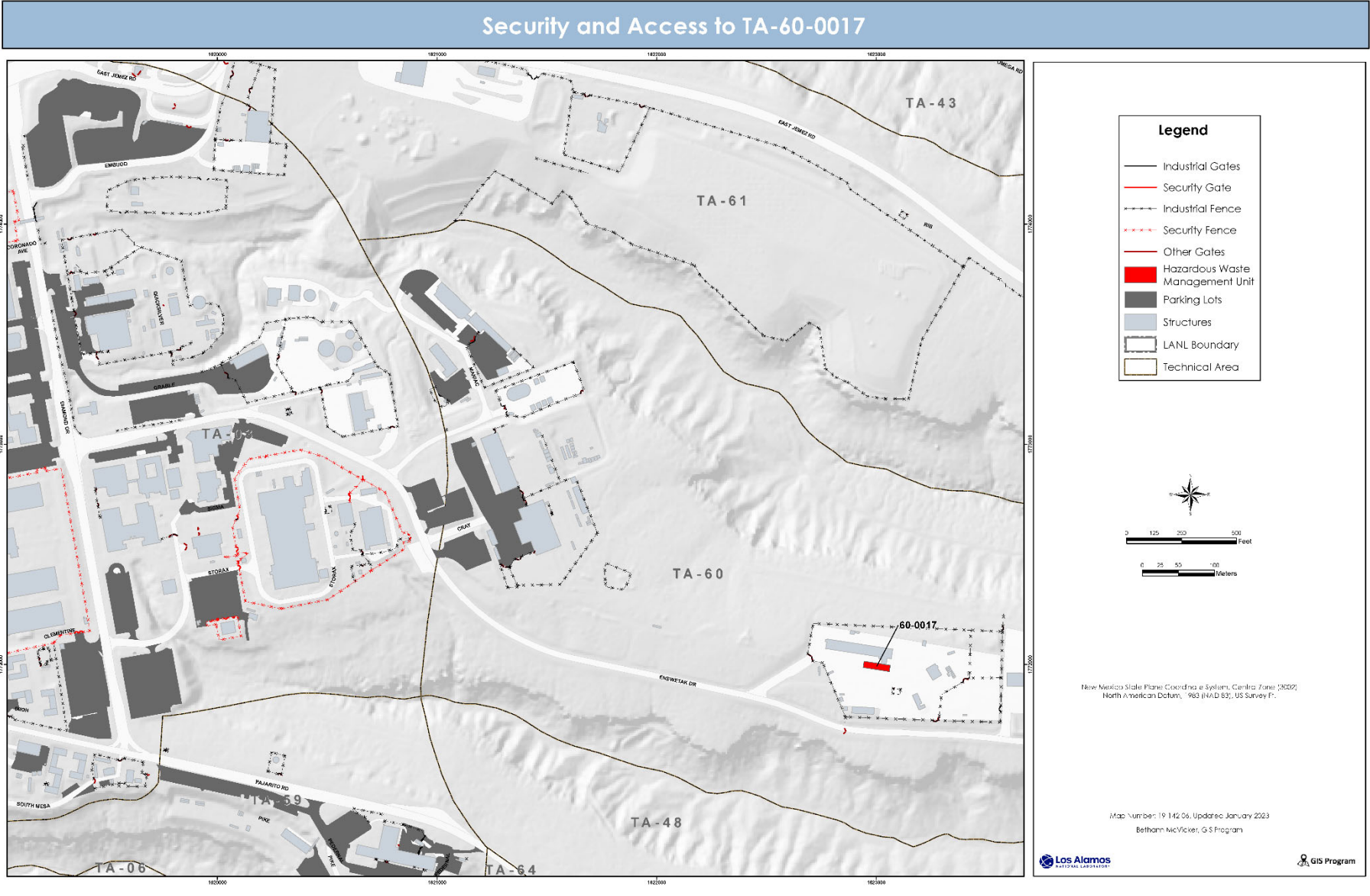


Figure 52: Security and Access to TA-60-0017



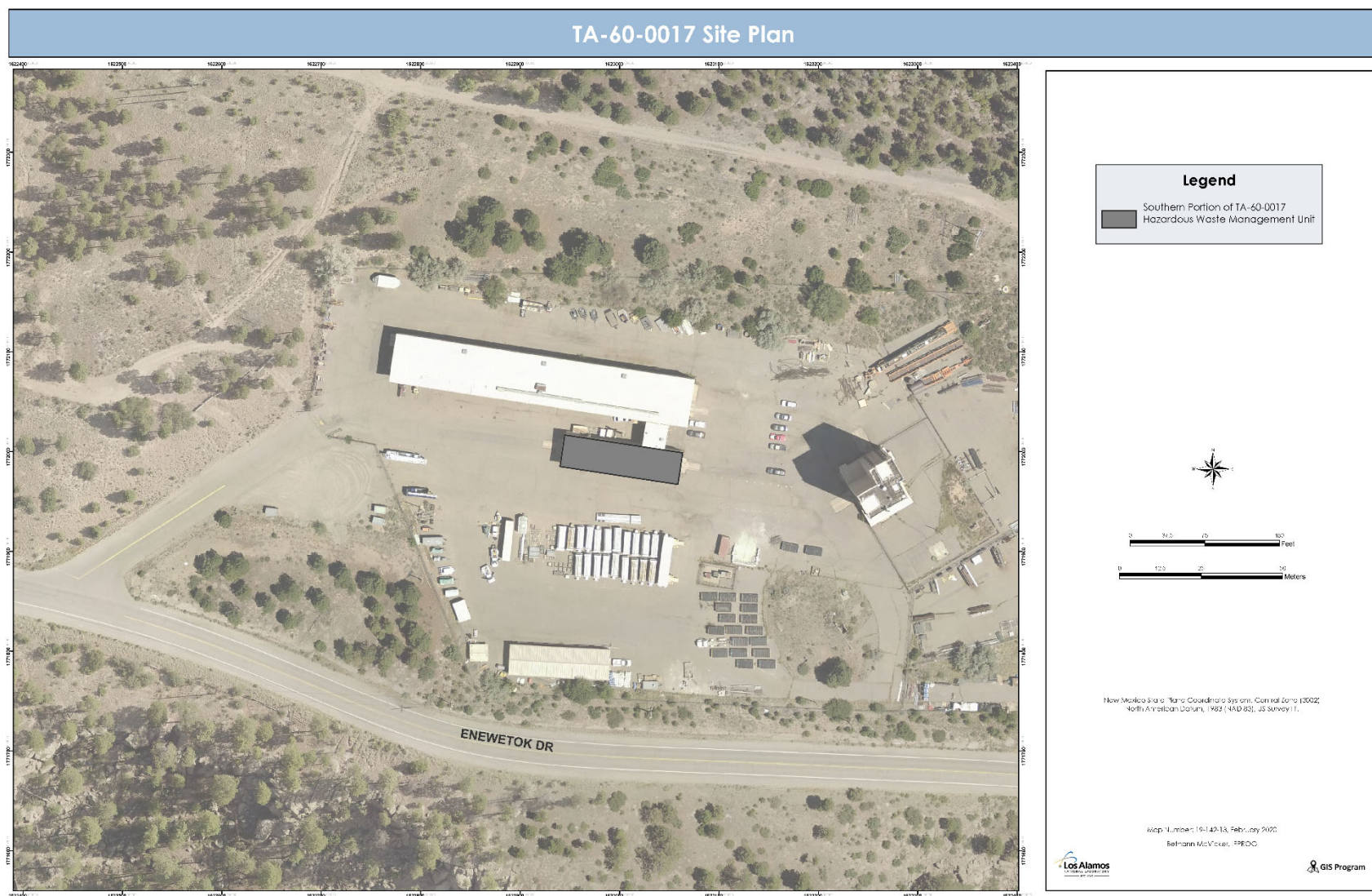


Figure 53: TA-60-0017 Site Plan



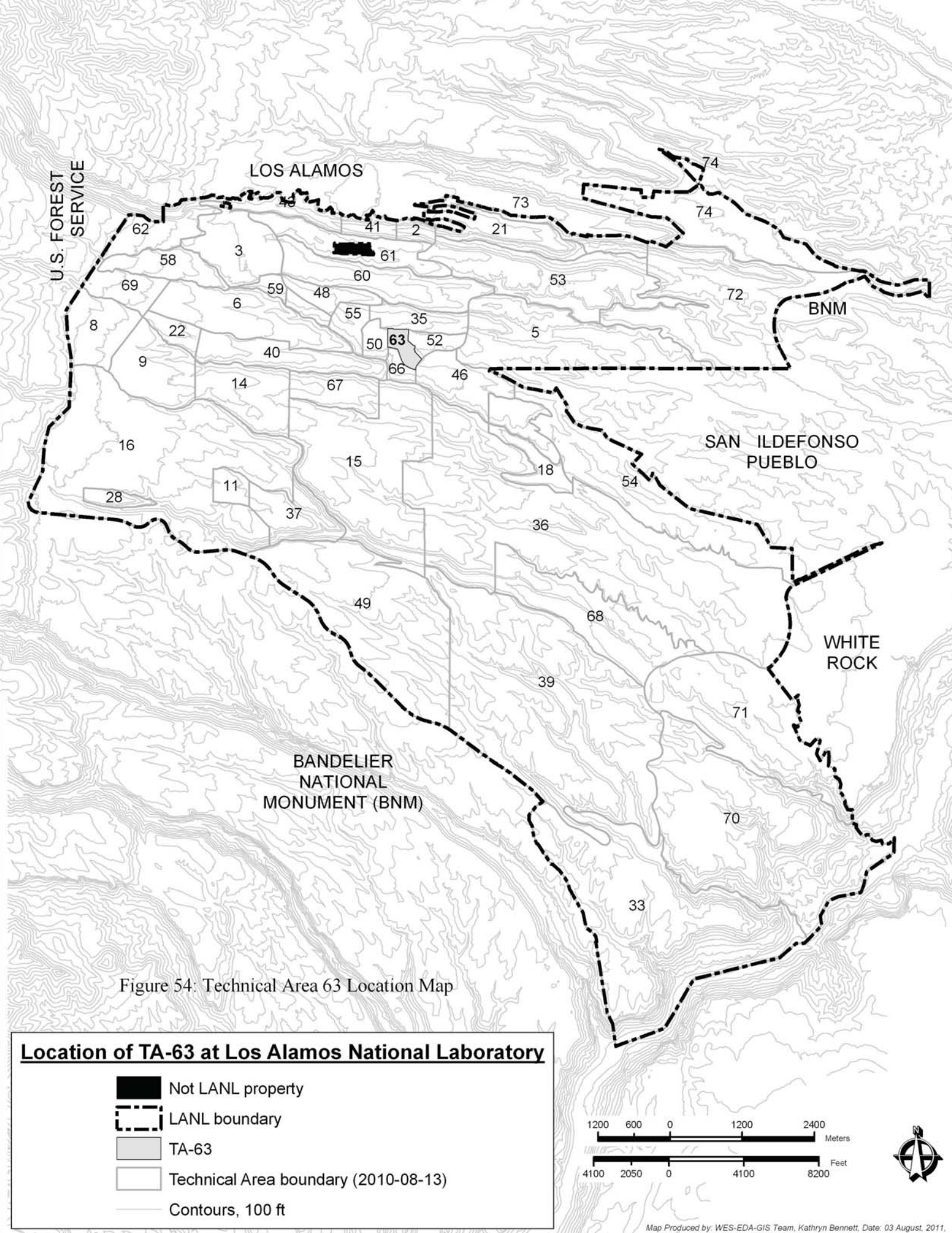







Figure 54: Technical Area 63 Location Map

### Location of TA-63 at Los Alamos National Laboratory

-  Not LANL property
-  LANL boundary
-  TA-63
-  Technical Area boundary (2010-08-13)
-  Contours, 100 ft



**TA-63**









**TWF  
Permitted  
Unit**

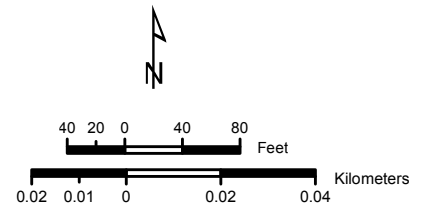
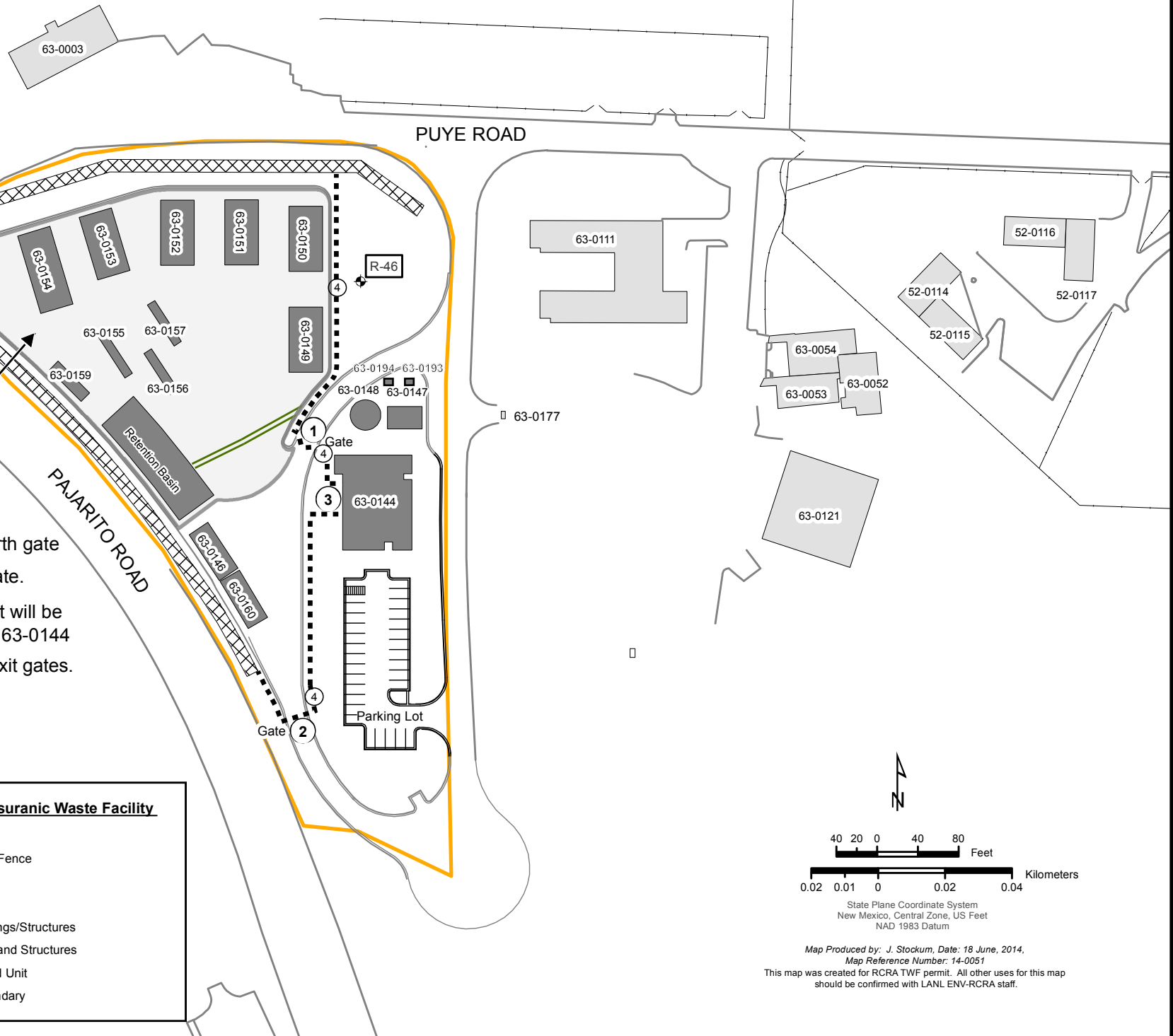
**KEYED NOTES:**

- ① Vehicle entrance via north gate
- ② Vehicle exit via south gate.
- ③ Personnel entry and exit will be via Operations Building 63-0144
- ④ Emergency personnel exit gates.

**FIGURE 55.**

**Technical Area (TA) 63 Transuranic Waste Facility**

-  Regional Well
-  TWF Security Fence
-  Valley Gutter
-  Vehicle Barrier
-  Existing Buildings/Structures
-  TWF Building and Structures
-  TWF Permitted Unit
-  TWF Site boundary

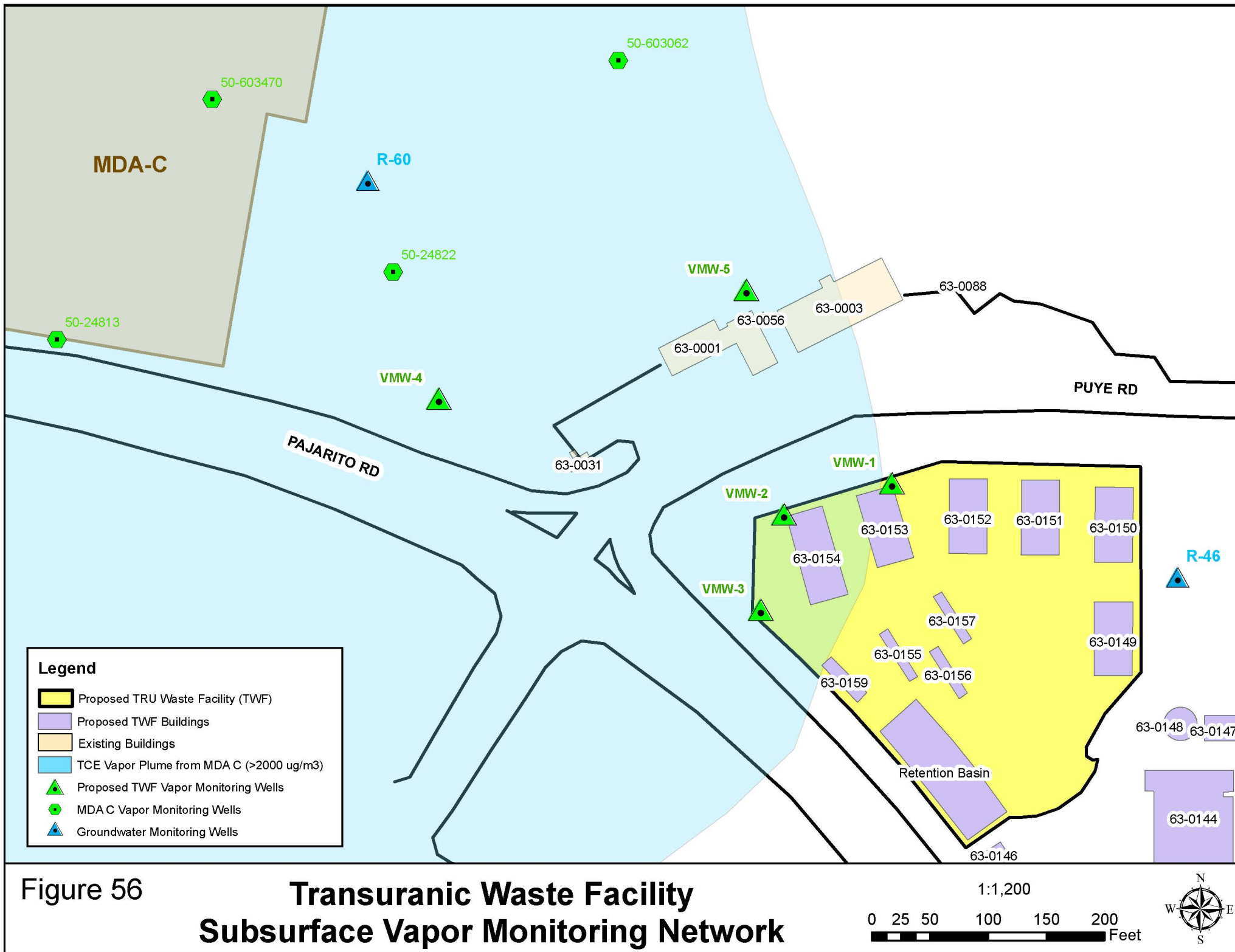


State Plane Coordinate System  
New Mexico, Central Zone, US Feet  
NAD 1983 Datum

Map Produced by: J. Stockum, Date: 18 June, 2014,  
Map Reference Number: 14-0051

This map was created for RCRA TWF permit. All other uses for this map  
should be confirmed with LANL ENV-RCRA staff.







**Figure 57 – TA-55, Building 4, Room B13**

**UCNI**

**LOS ALAMOS NATIONAL LABORATORY**

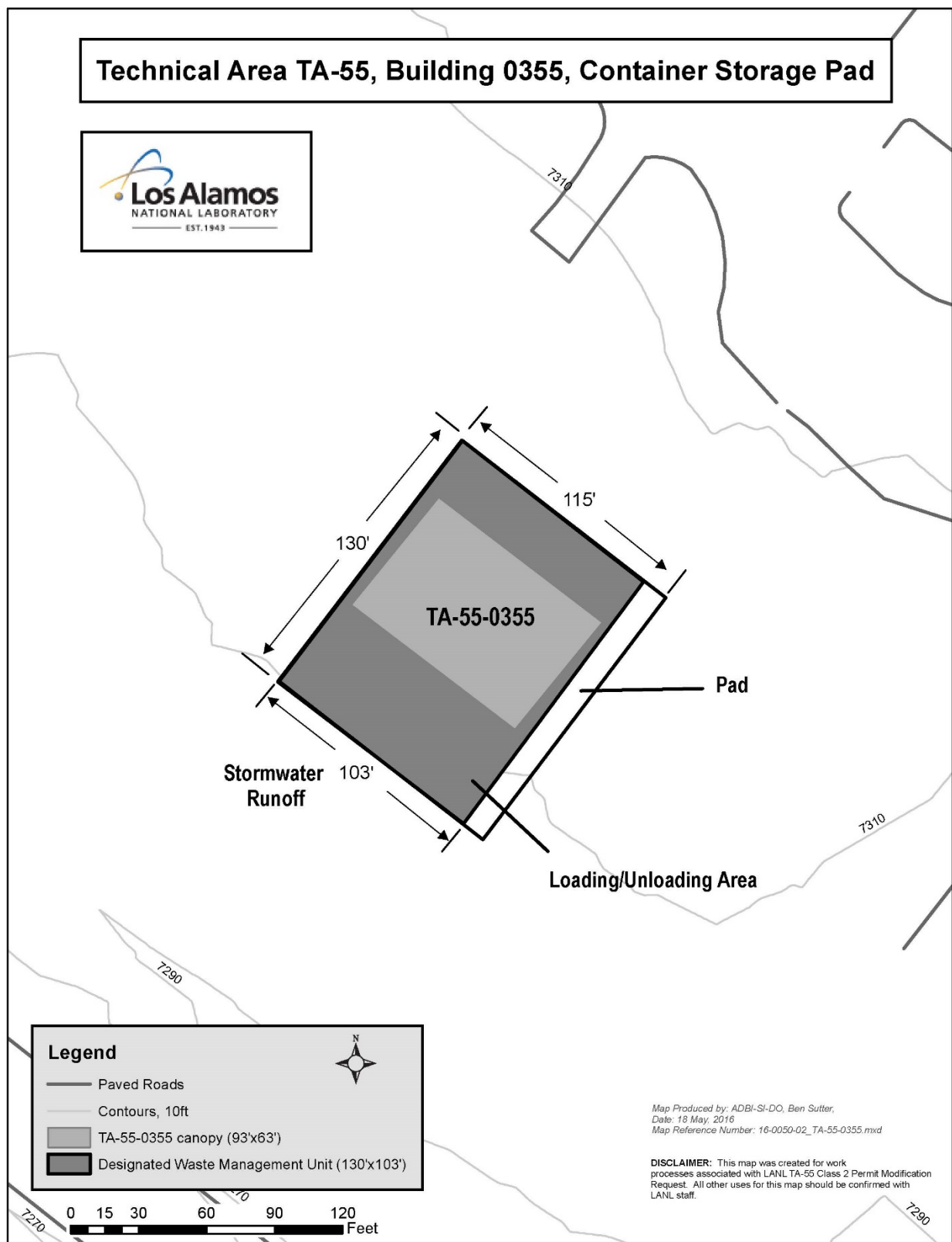
**THIS FIGURE CONTAINS UNCLASSIFIED CONTROLLED NUCLEAR  
INFORMATION (UCNI) AS DEFINED BY SECTION 148 OF THE ATOMIC ENERGY  
ACT**

**Figure 58 – TA-55, Building 4, Room G12**

**UCNI**

**LOS ALAMOS NATIONAL LABORATORY**

**THIS FIGURE CONTAINS UNCLASSIFIED CONTROLLED NUCLEAR  
INFORMATION (UCNI) AS DEFINED BY SECTION 148 OF THE ATOMIC ENERGY  
ACT**



**Figure 59**  
**Technical Area (TA)-55-355 Pad**

**Figure 57 – TA-55, Building 4, Room B13**

**UCNI**

**LOS ALAMOS NATIONAL LABORATORY**

**THIS FIGURE CONTAINS UNCLASSIFIED CONTROLLED NUCLEAR  
INFORMATION (UCNI) AS DEFINED BY SECTION 148 OF THE ATOMIC ENERGY  
ACT**

**Figure 58 – TA-55, Building 4, Room G12**

**UCNI**

**LOS ALAMOS NATIONAL LABORATORY**

**THIS FIGURE CONTAINS UNCLASSIFIED CONTROLLED NUCLEAR  
INFORMATION (UCNI) AS DEFINED BY SECTION 148 OF THE ATOMIC ENERGY  
ACT**