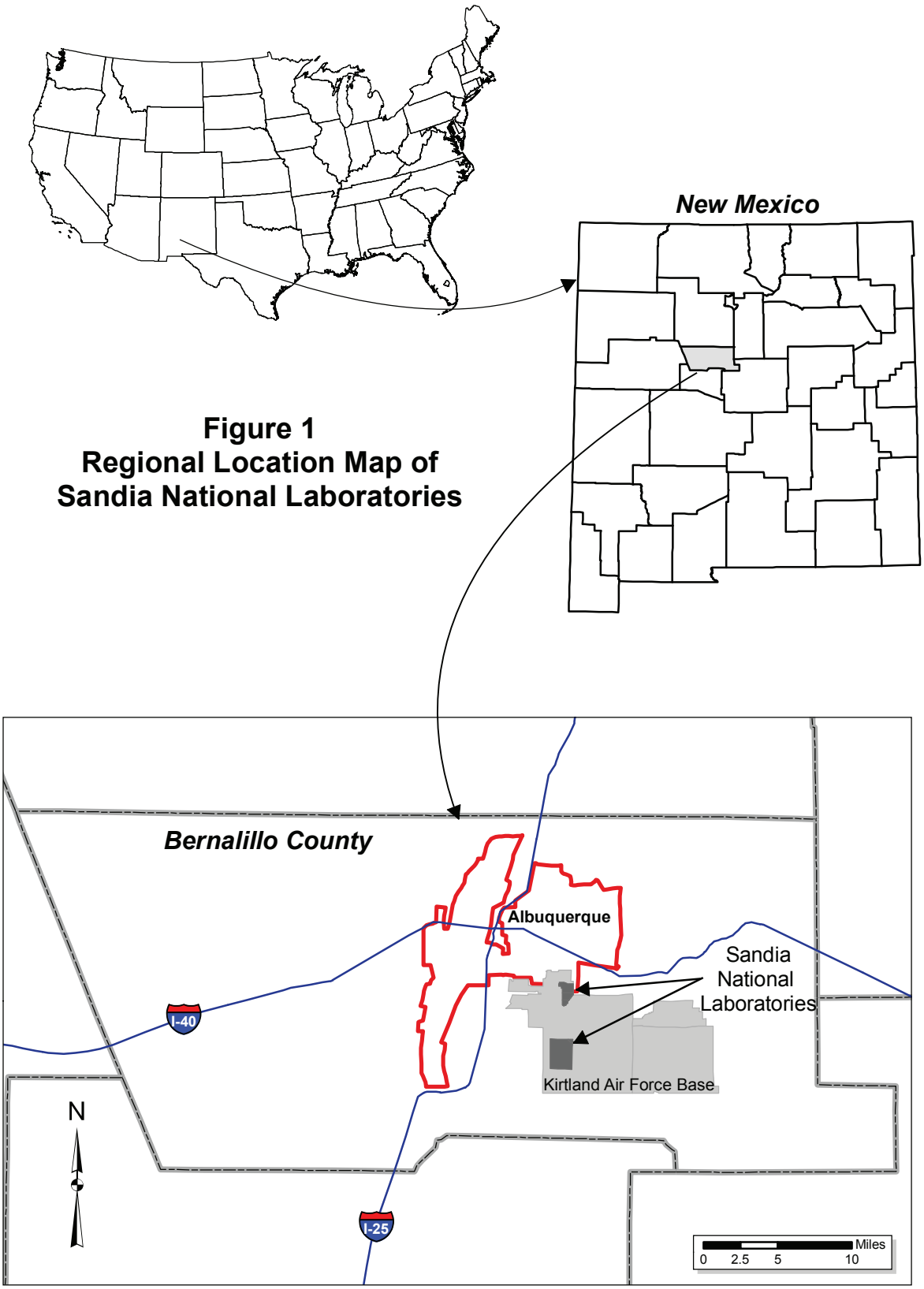


Figure 1
Regional Location Map of
Sandia National Laboratories

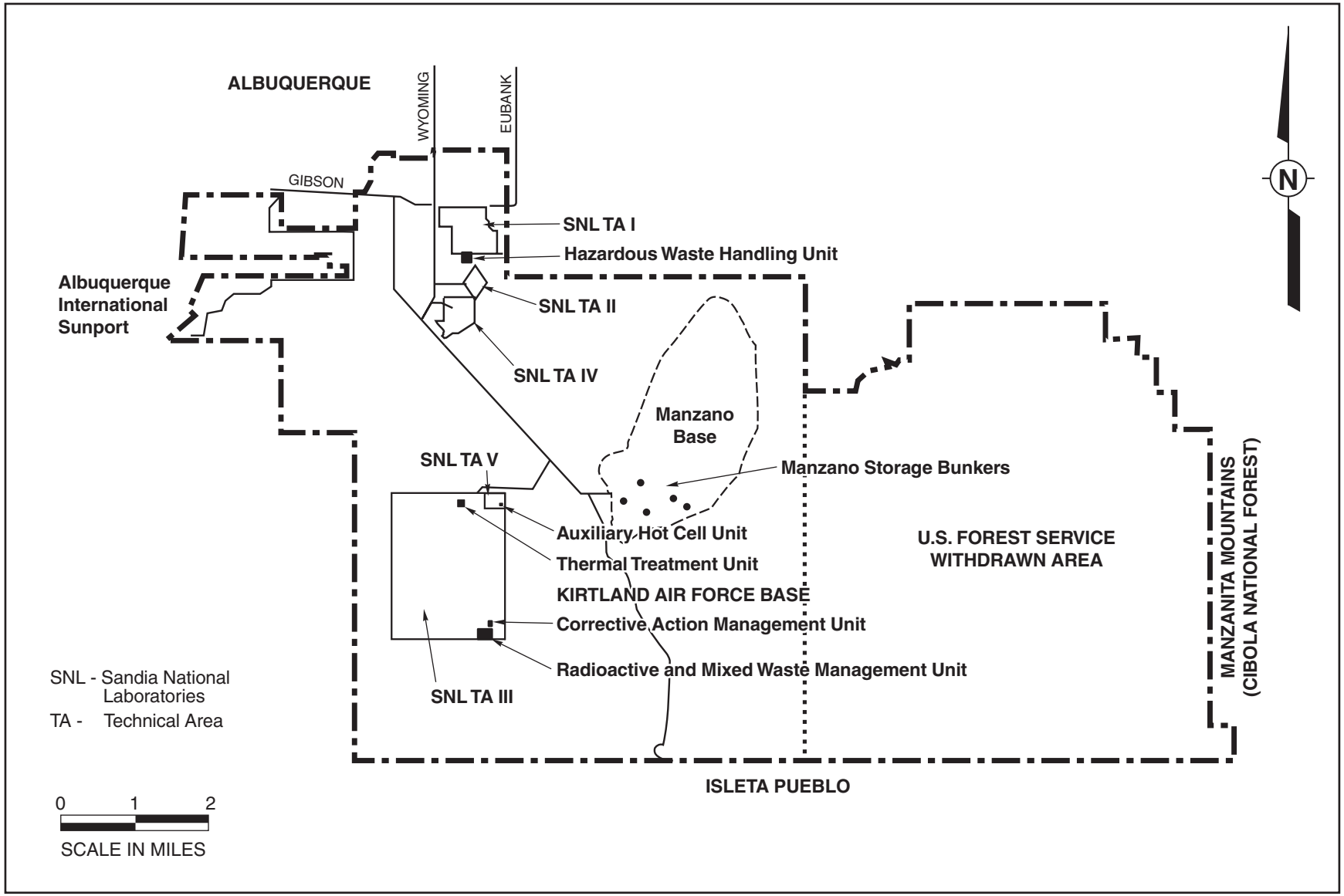


Figure 2

Technical Areas and Permitted Hazardous and Mixed Waste Management Units at the Facility

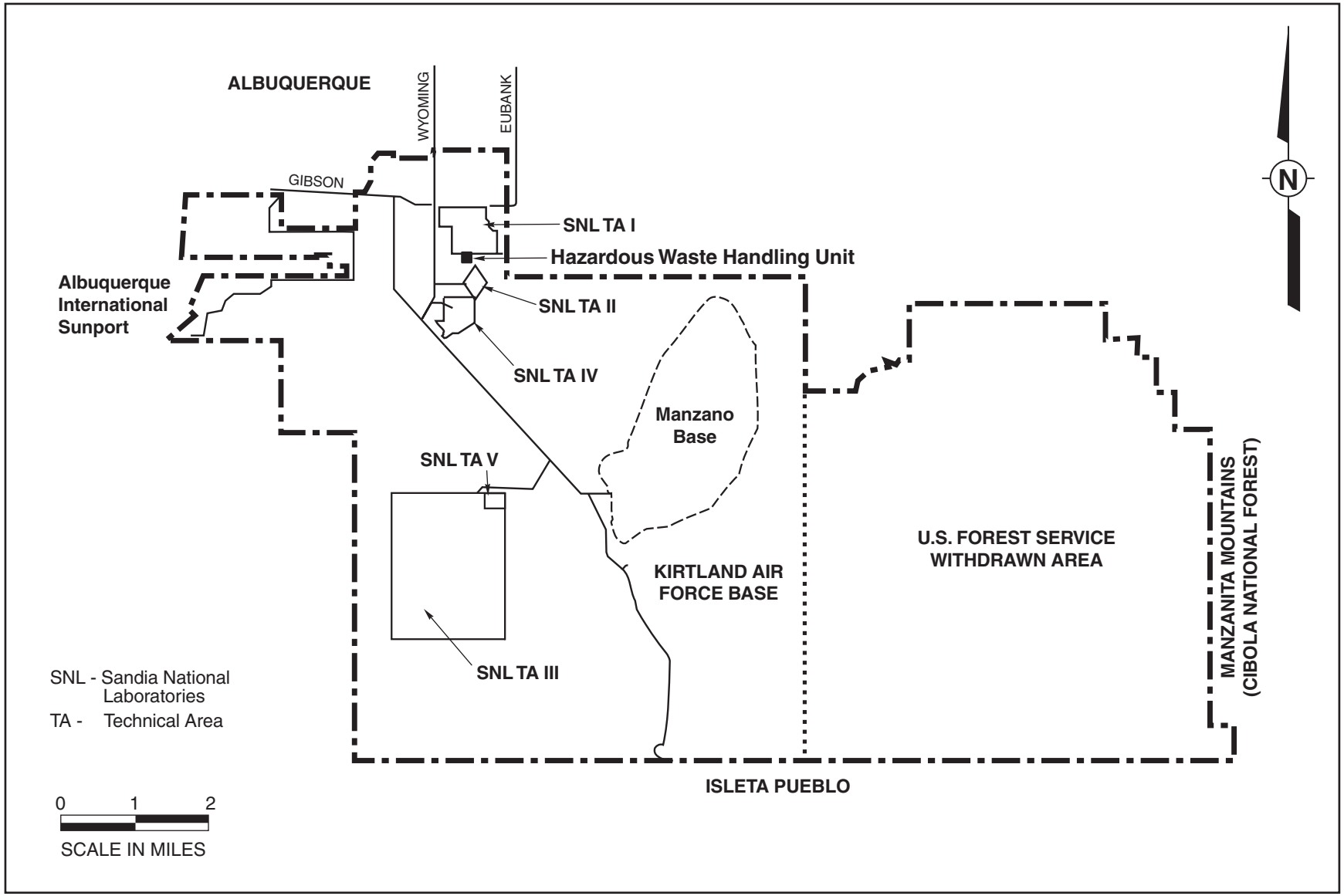


Figure 3

Location of the Hazardous Waste Handling Unit at the Facility

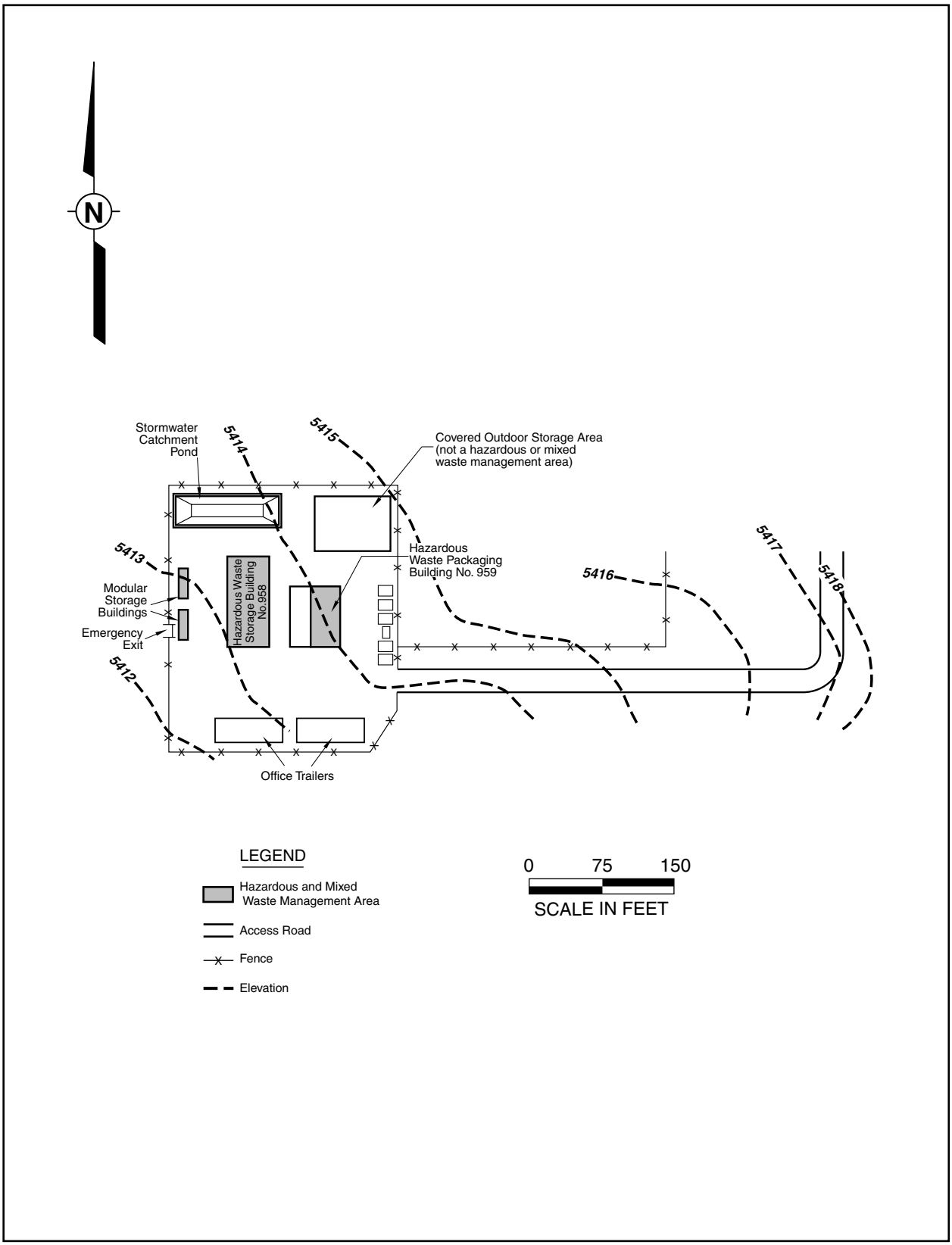
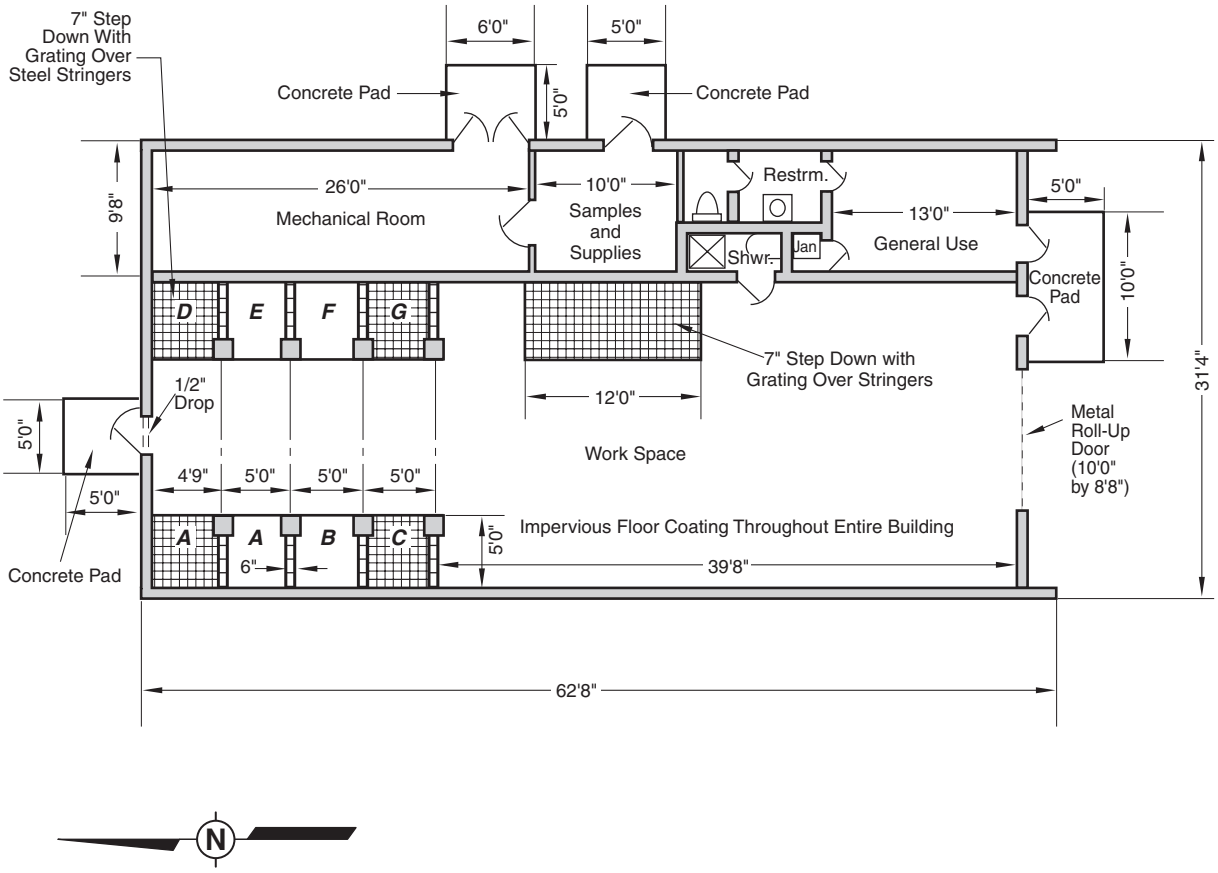


Figure 4

Hazardous Waste Handling Unit Waste Management Areas



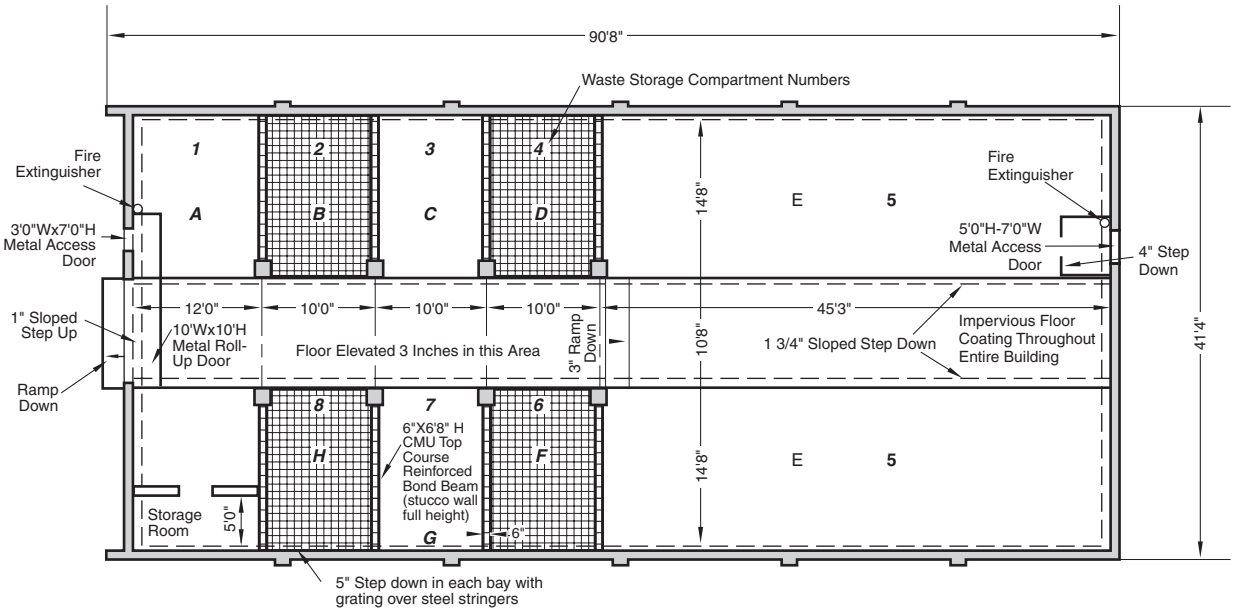
Typical Waste Segregation Groups

A Hydrocarbons, Organics, and Solvents
B Class 9 Solids and Liquids
C Poisons
D Oxidizing Mineral Acids, Non-Acidic Oxidizers
E Non-Regulated Waste
F Caustics
G Organic Acids, Non-Oxidizing Mineral Acids, Mercury

Note: All storage cells equipped as shown for Cell D: 7" step down and steel grating over stringers.

Figure 5

Hazardous Waste Handling Unit Building 959 Floor Plan



Typical Waste Segregation Groups

A Holding Bay
B Poisons
C Flammables
D Oxidizers
E Hydrocarbons, Organics, Solvents, Non-Regulated Wastes
F Corrosives (caustics)
G Corrosives (acids or caustics)
H Corrosives (acids)

Note: Cells 1-4 and 6-8 are constructed with a 5" step down and grating over steel stringers. Cell 5 is not equipped with grating.

Figure 6

Hazardous Waste Handling Unit Building 958 Floor Plan

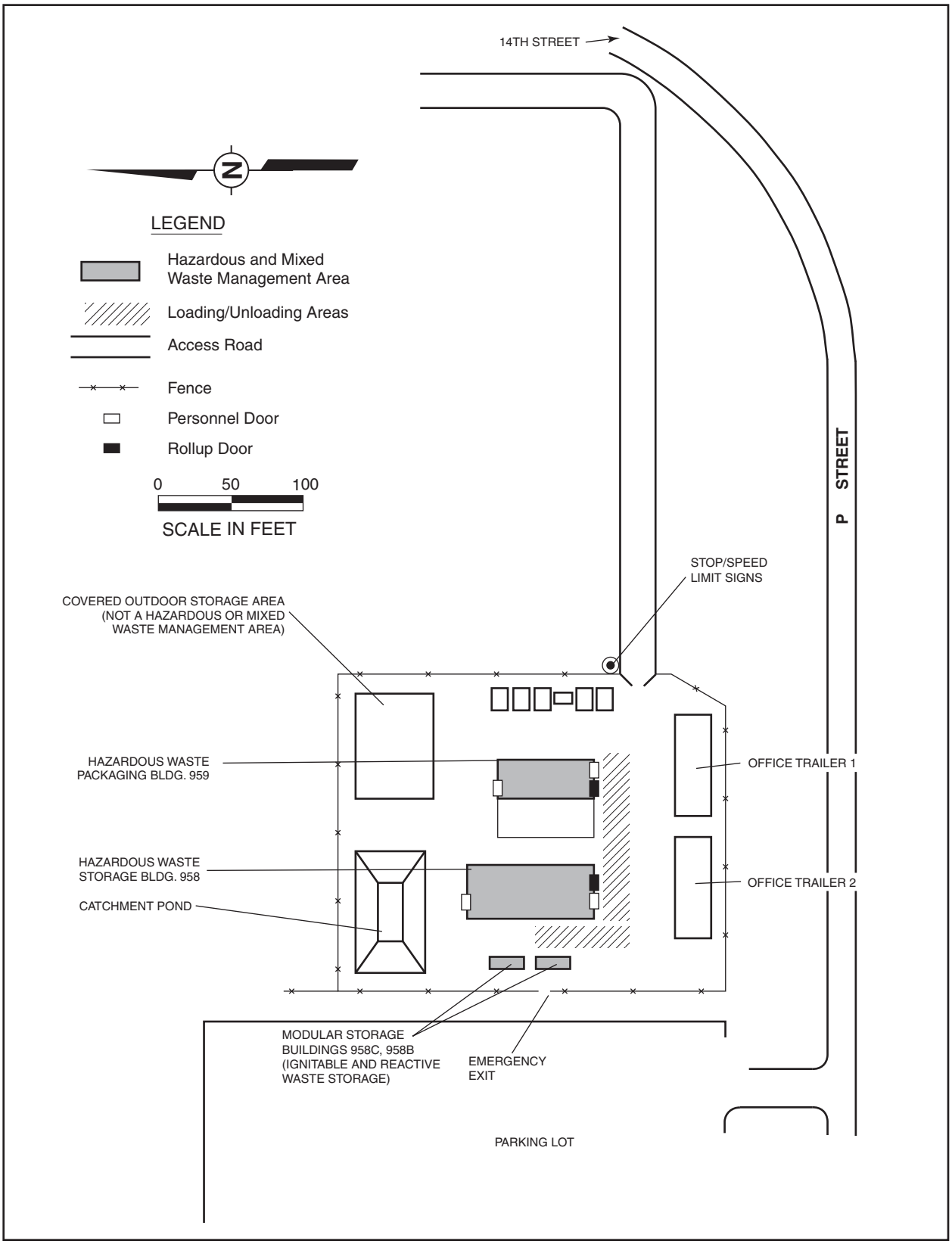


Figure 7

Hazardous Waste Handling Unit Access Control Features and Loading/Unloading Areas

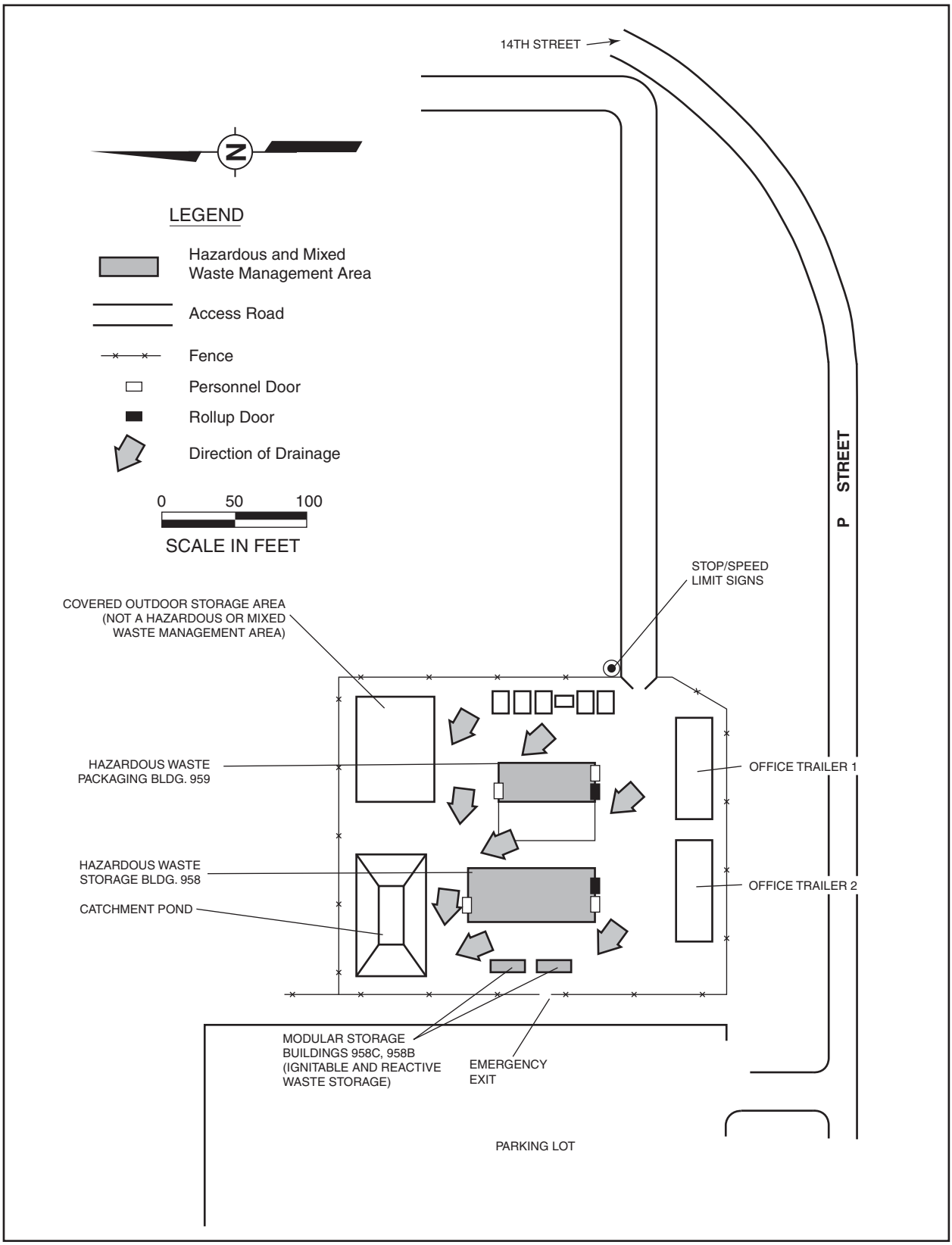


Figure 8

Hazardous Waste Handling Unit Drainage Control Features

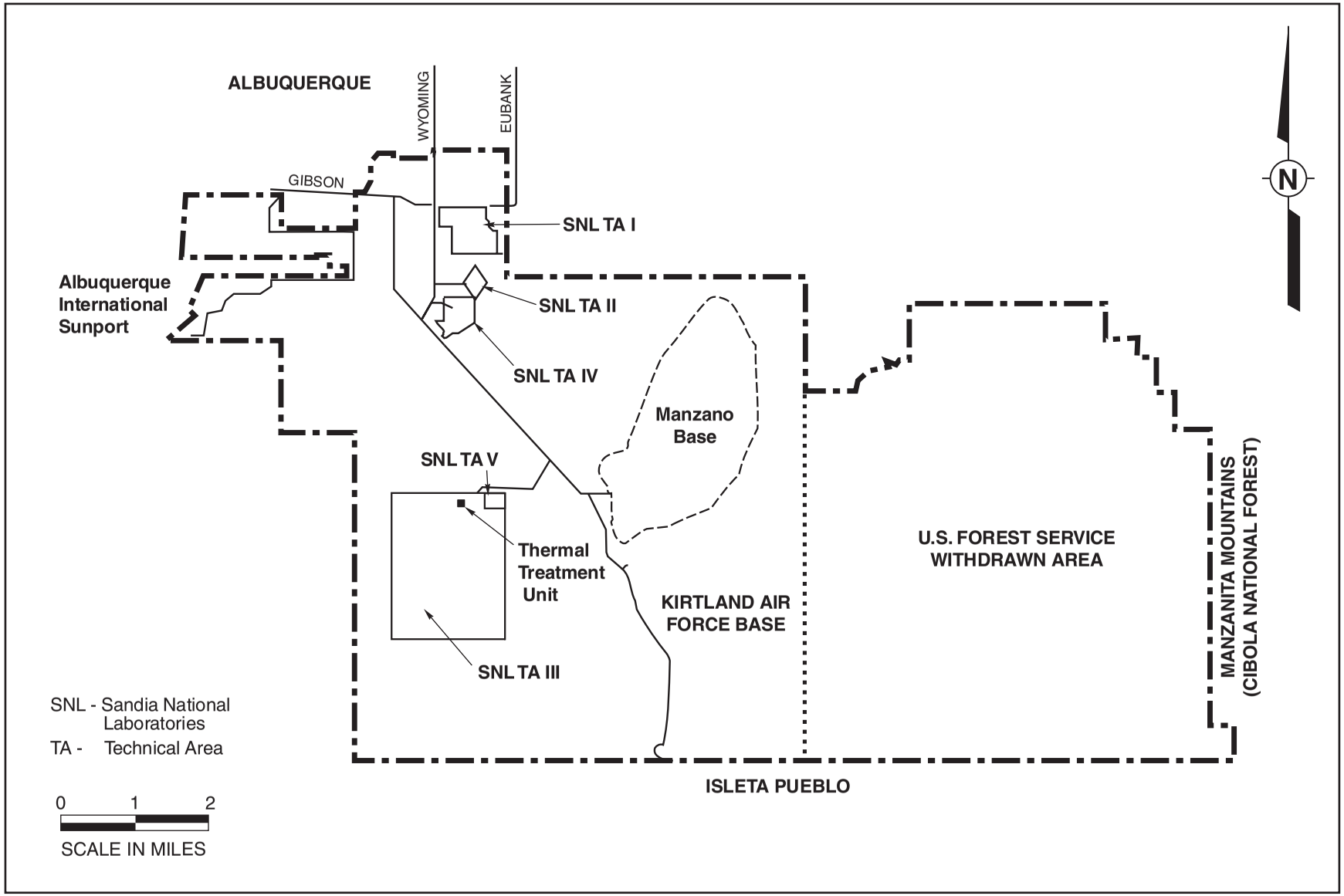


Figure 9
Location of the Thermal Treatment Unit at the Facility

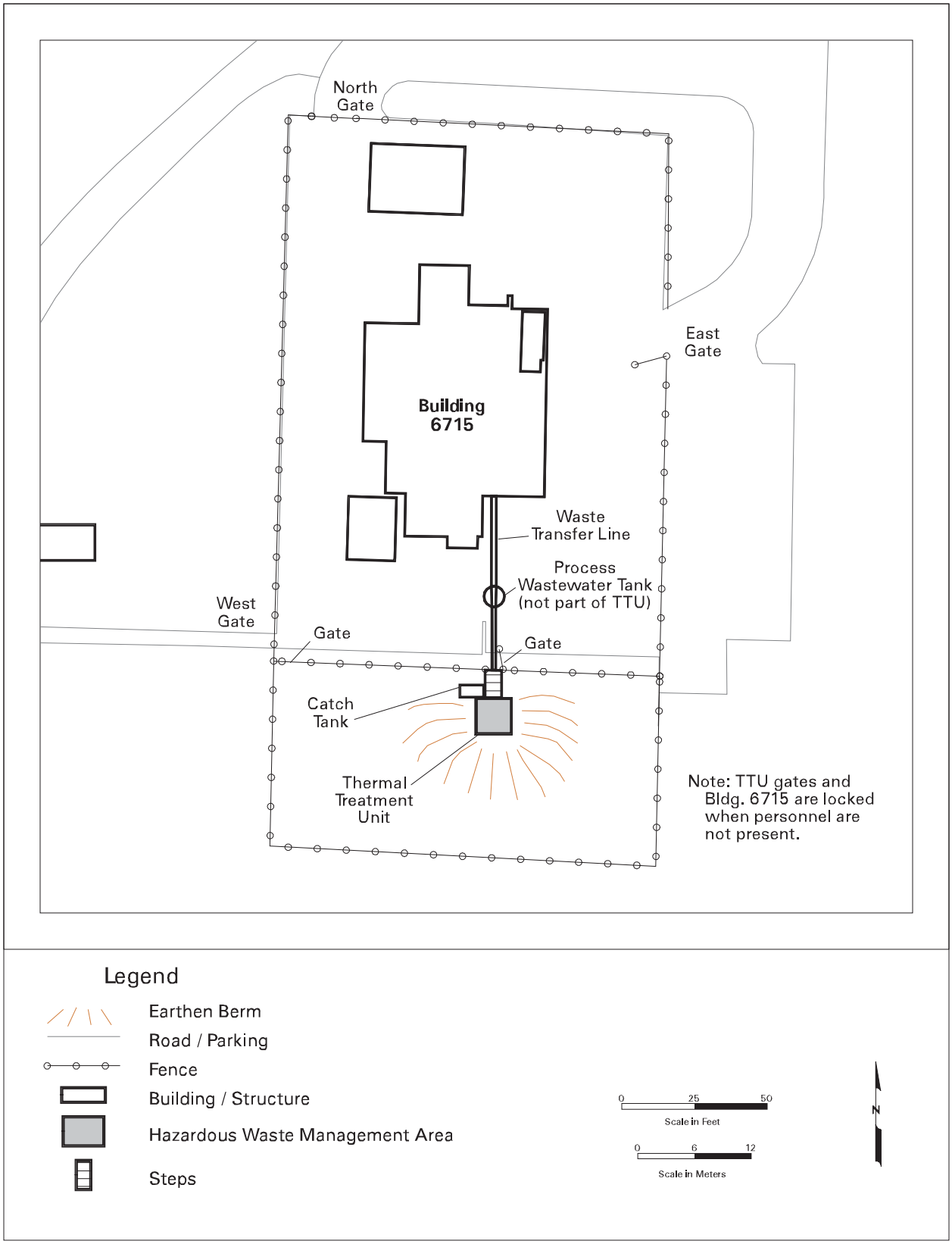


Figure 10
Thermal Treatment Unit (TTU)
Waste Management Area

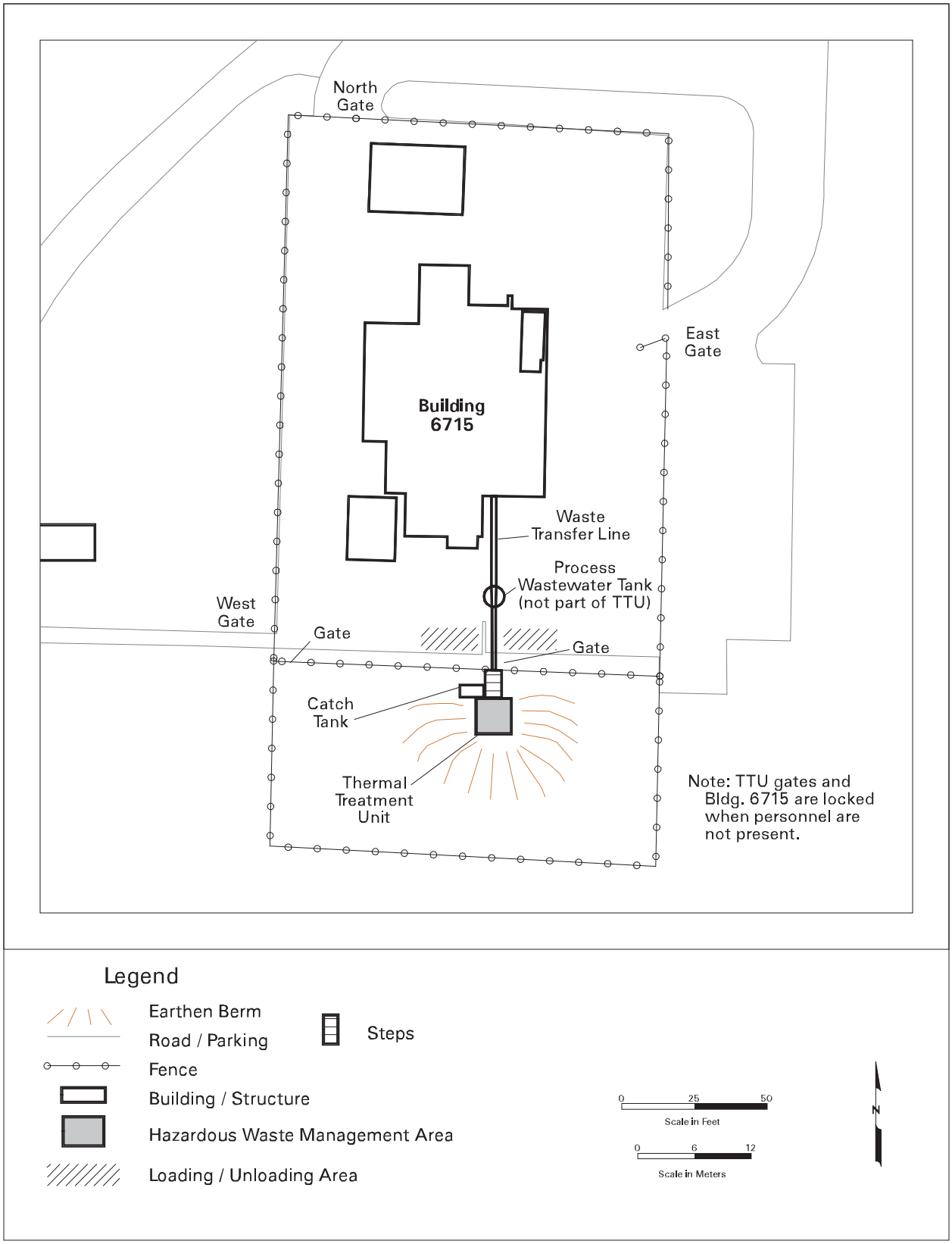


Figure 11
Thermal Treatment Unit Loading/Unloading Area

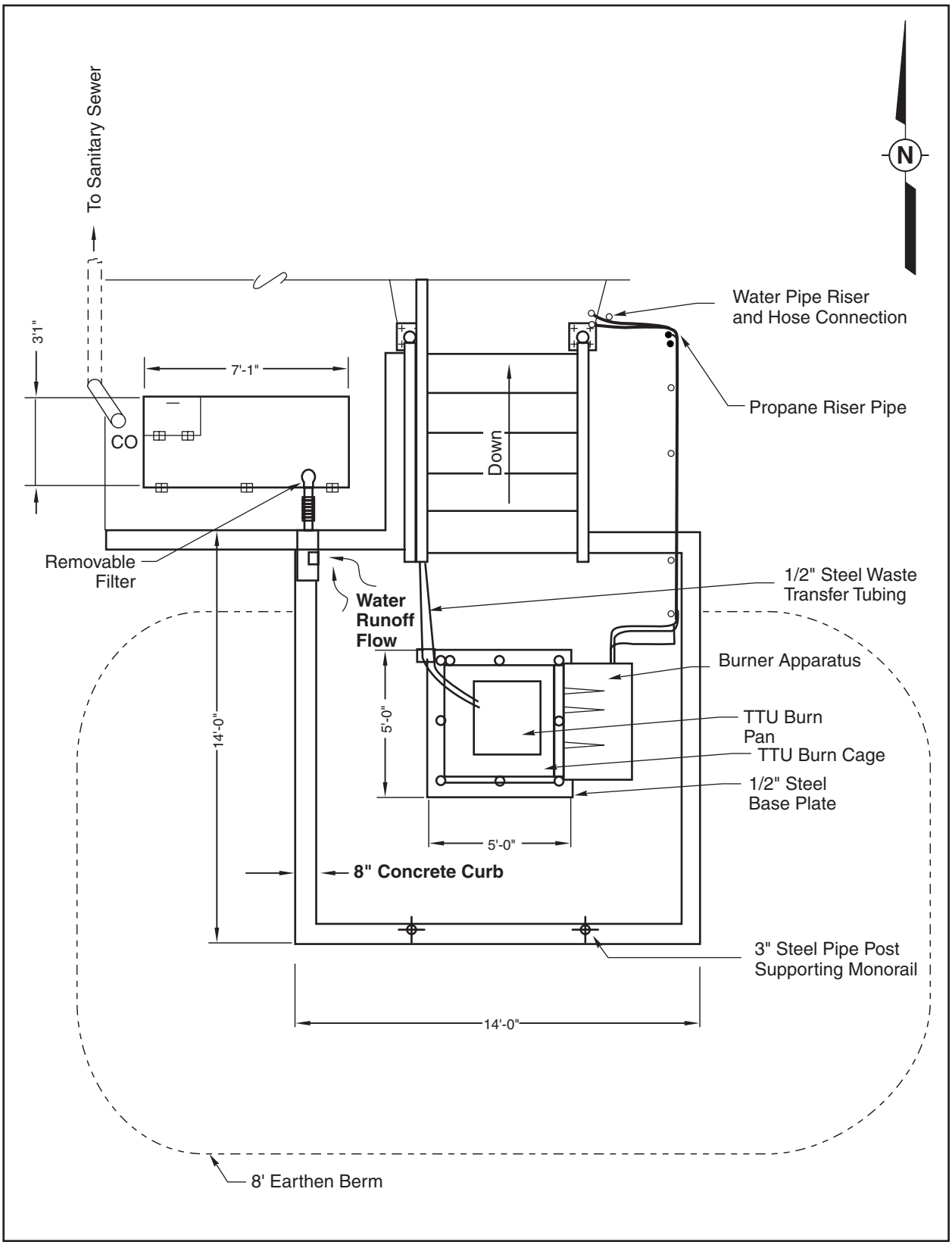


Figure 12

Thermal Treatment Unit Drainage Control Features

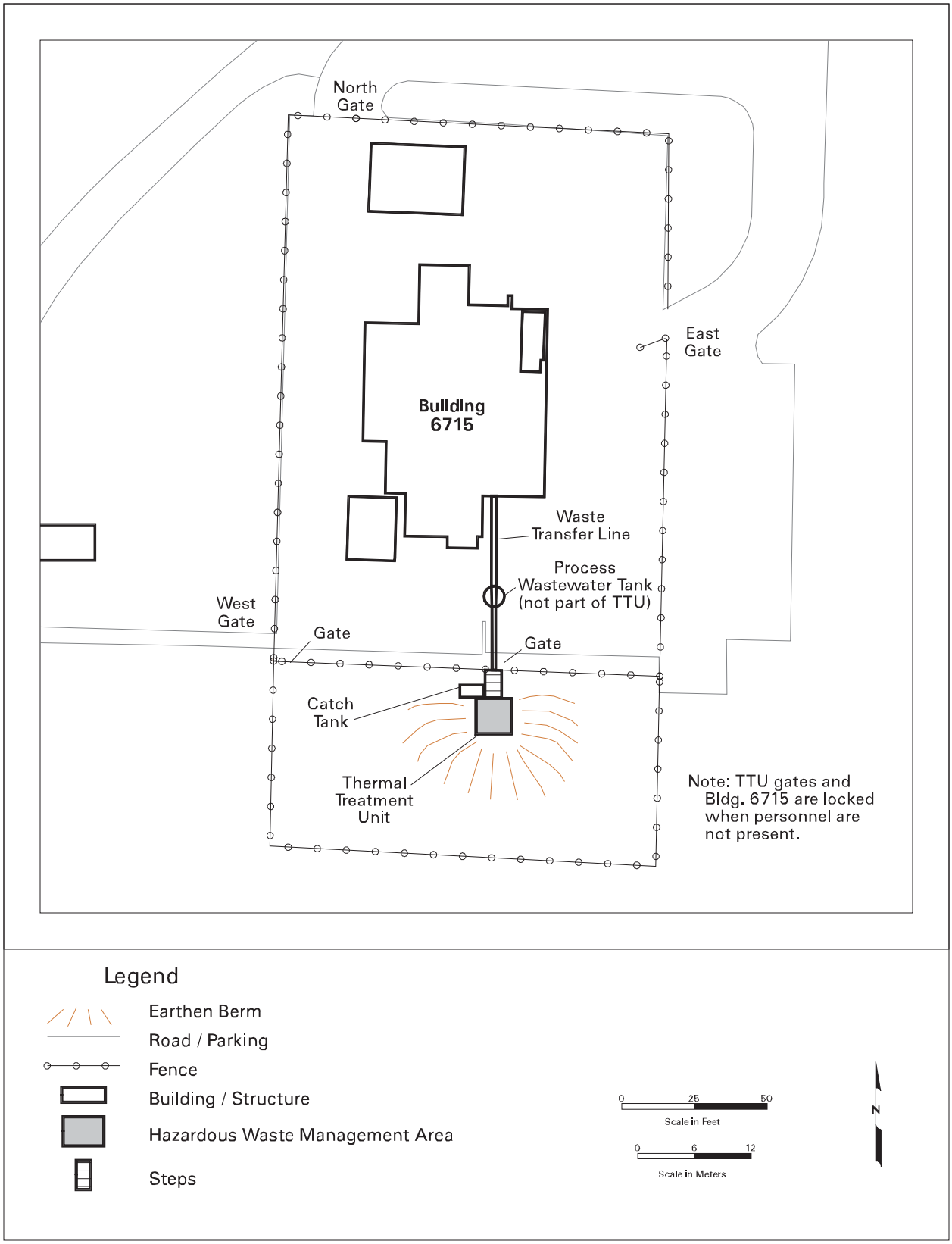


Figure 13
Thermal Treatment Unit Access Control Features

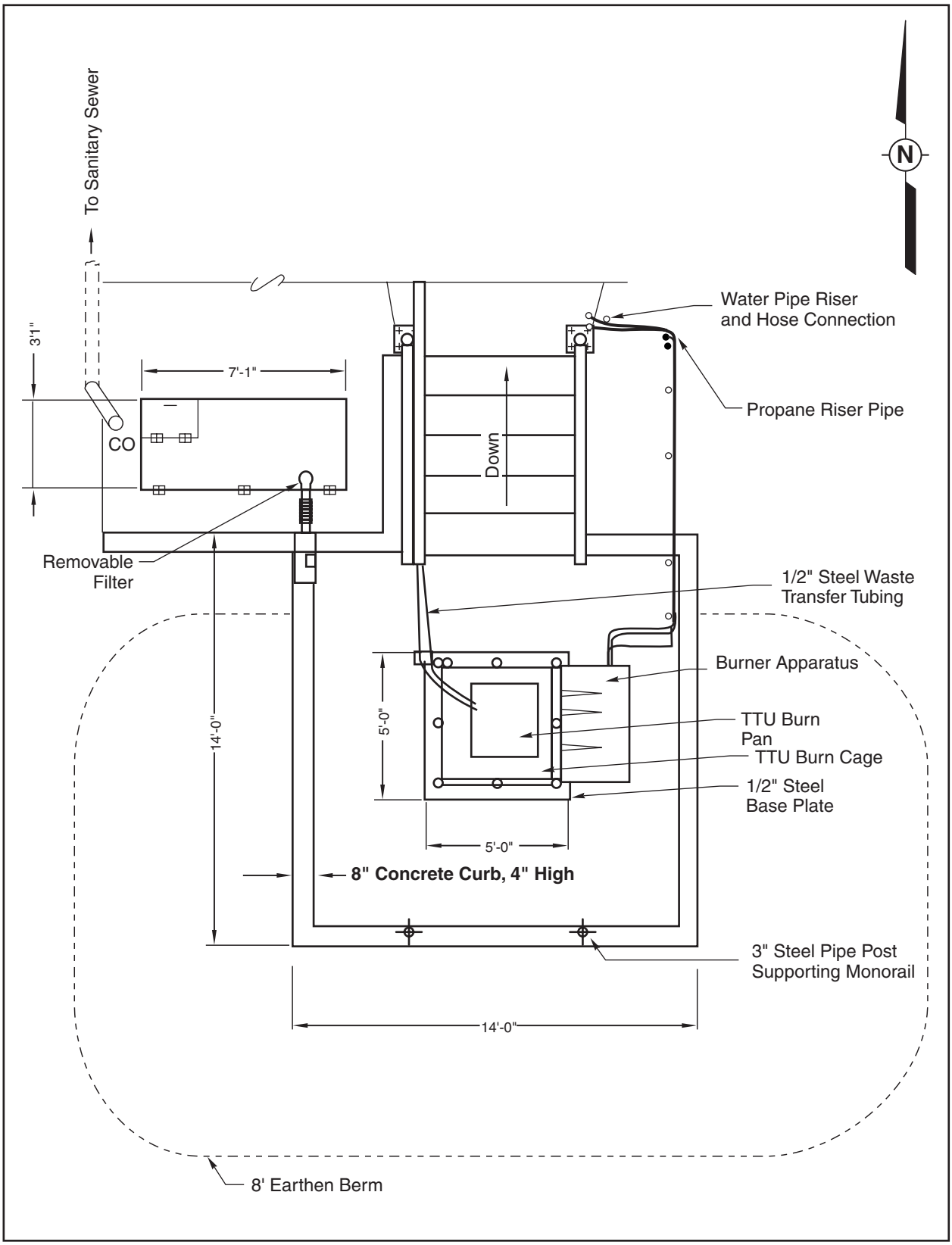


Figure 14

Thermal Treatment Unit Plan View with Dimensions

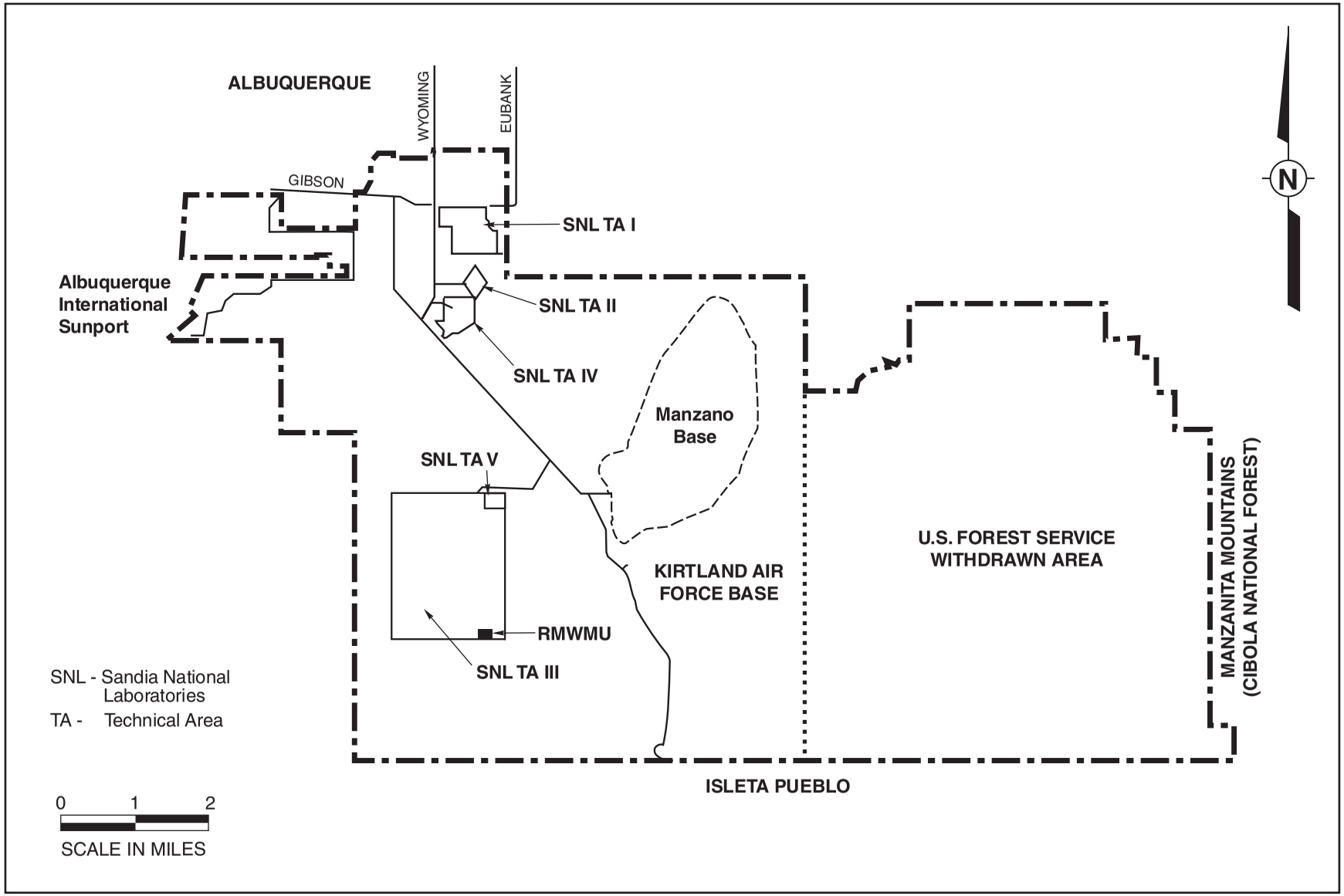


Figure 15

Location of the Radioactive and Mixed Waste Management Unit (RMWMU) at the Facility

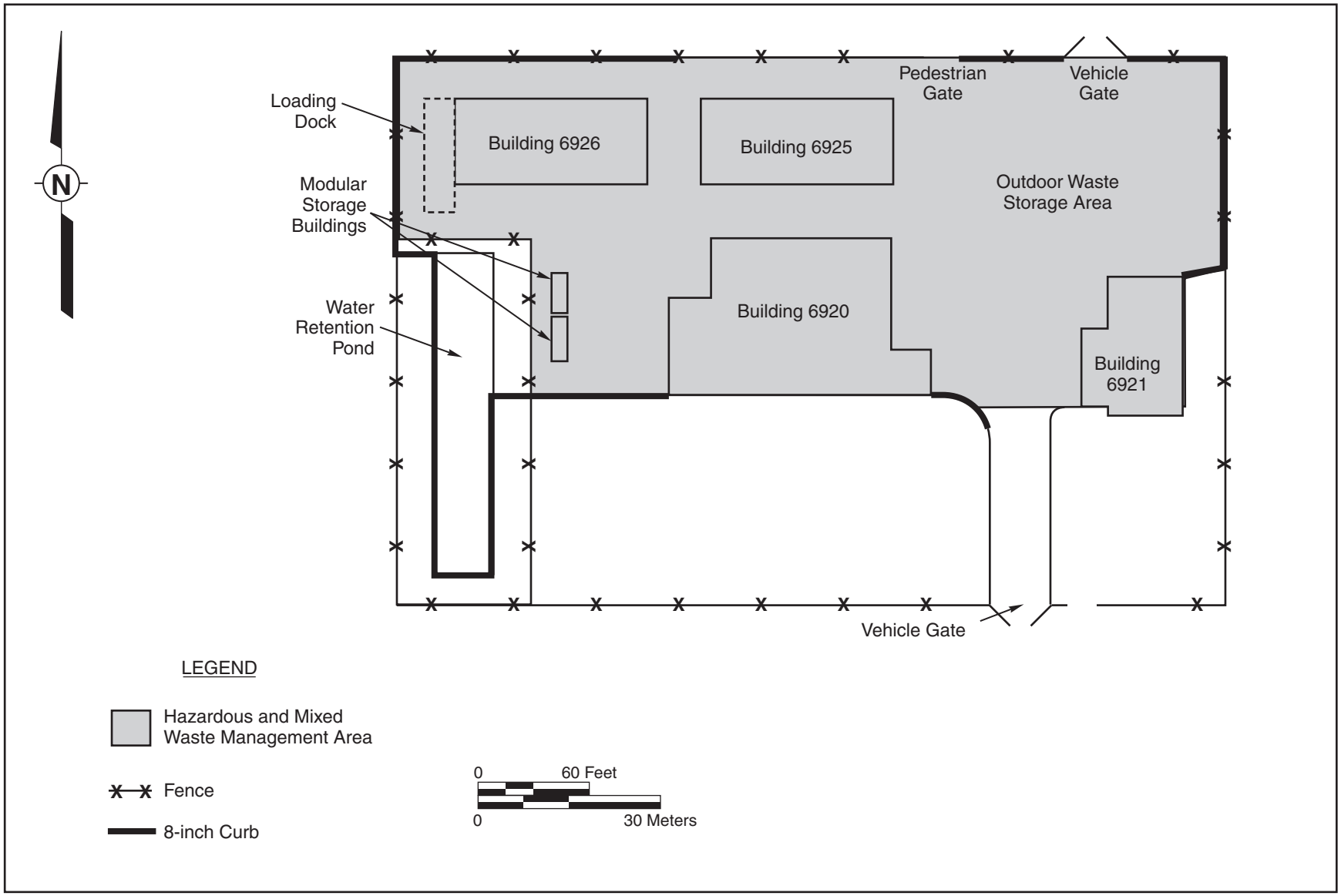


Figure 16

Radioactive and Mixed Waste Management Unit Hazardous and Mixed Waste Management Areas

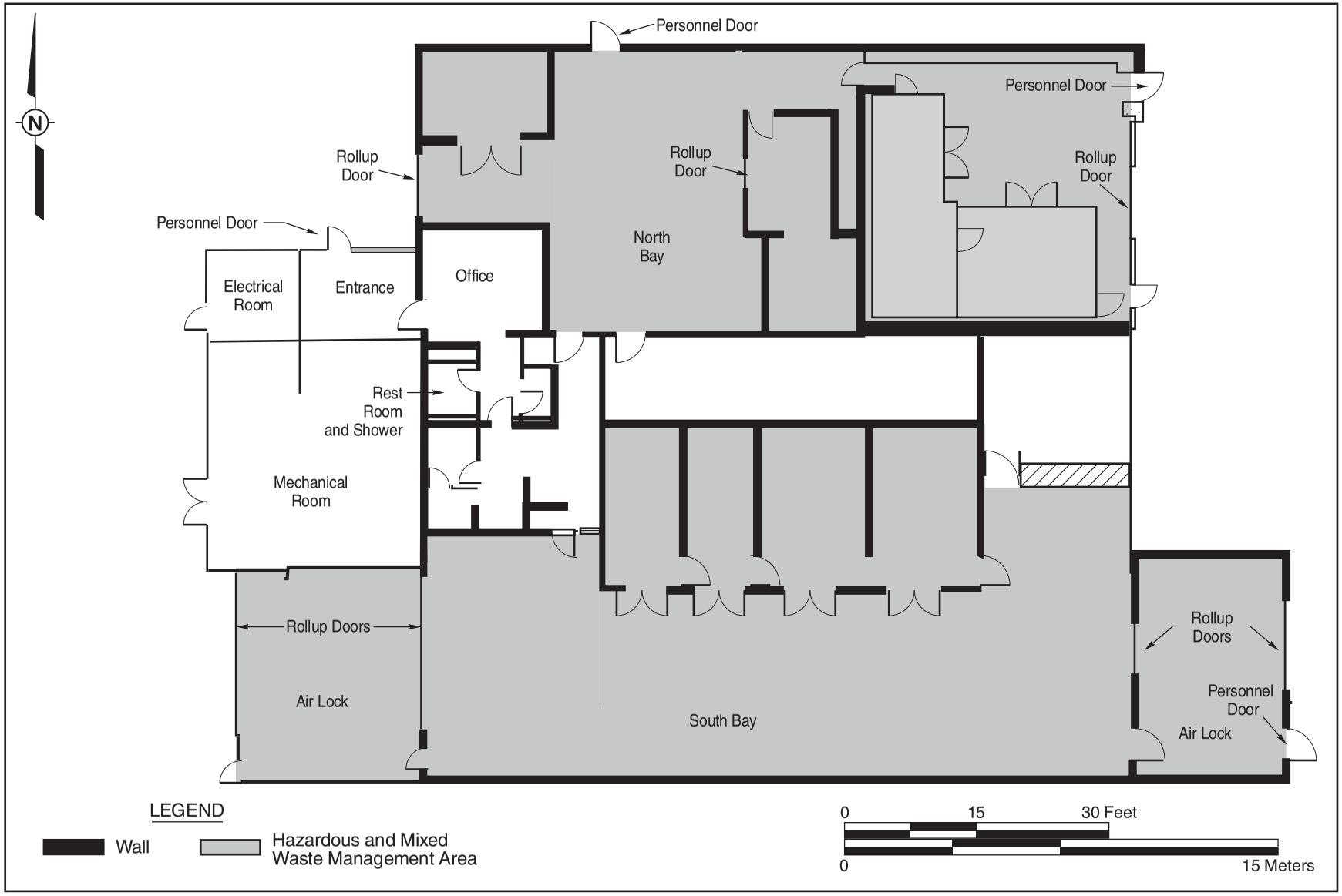


Figure 17

Radioactive and Mixed Waste Management Unit, Building 6920, Waste Management Areas

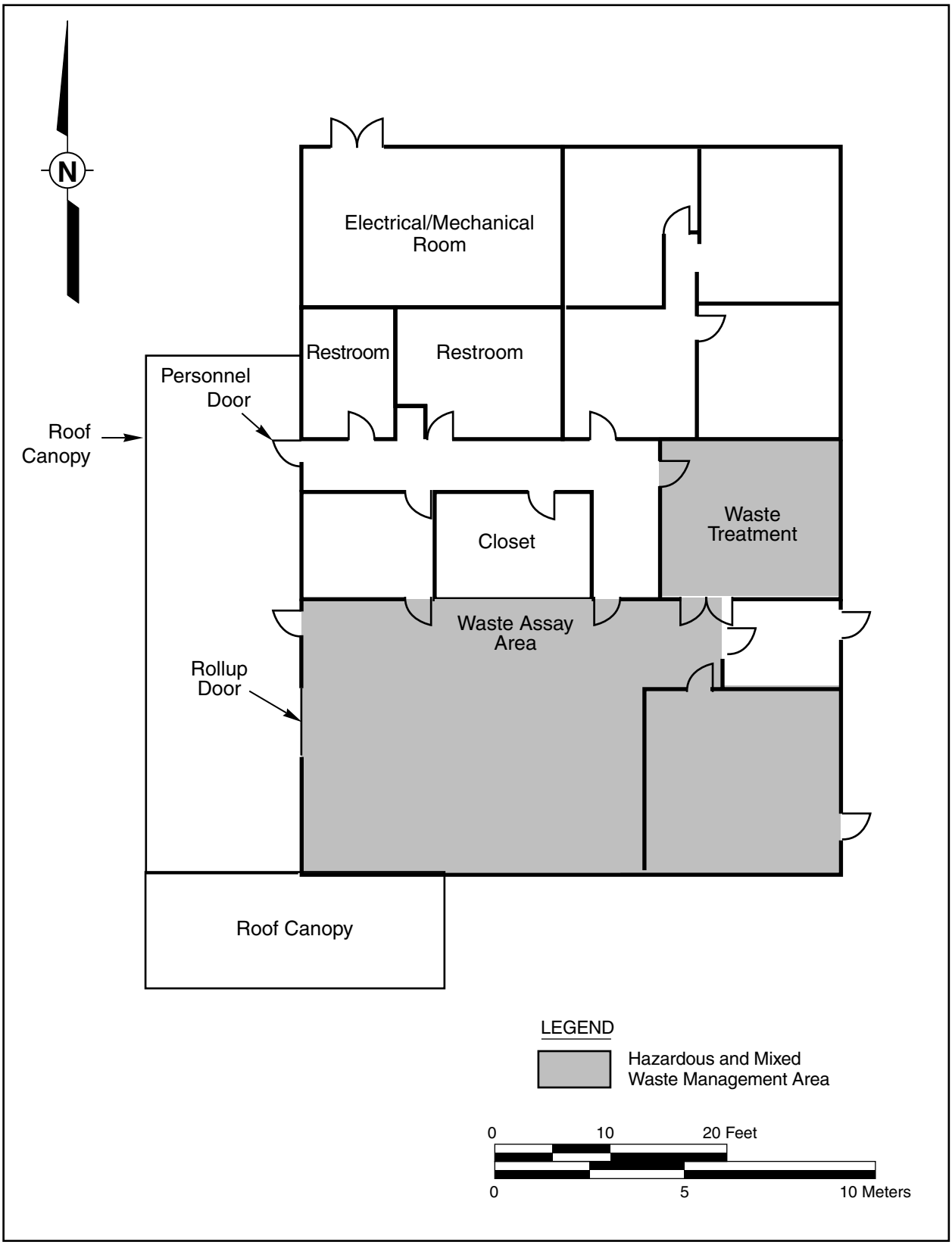


Figure 18

Radioactive and Mixed Waste Management Unit, Building 6921, Waste Management Areas

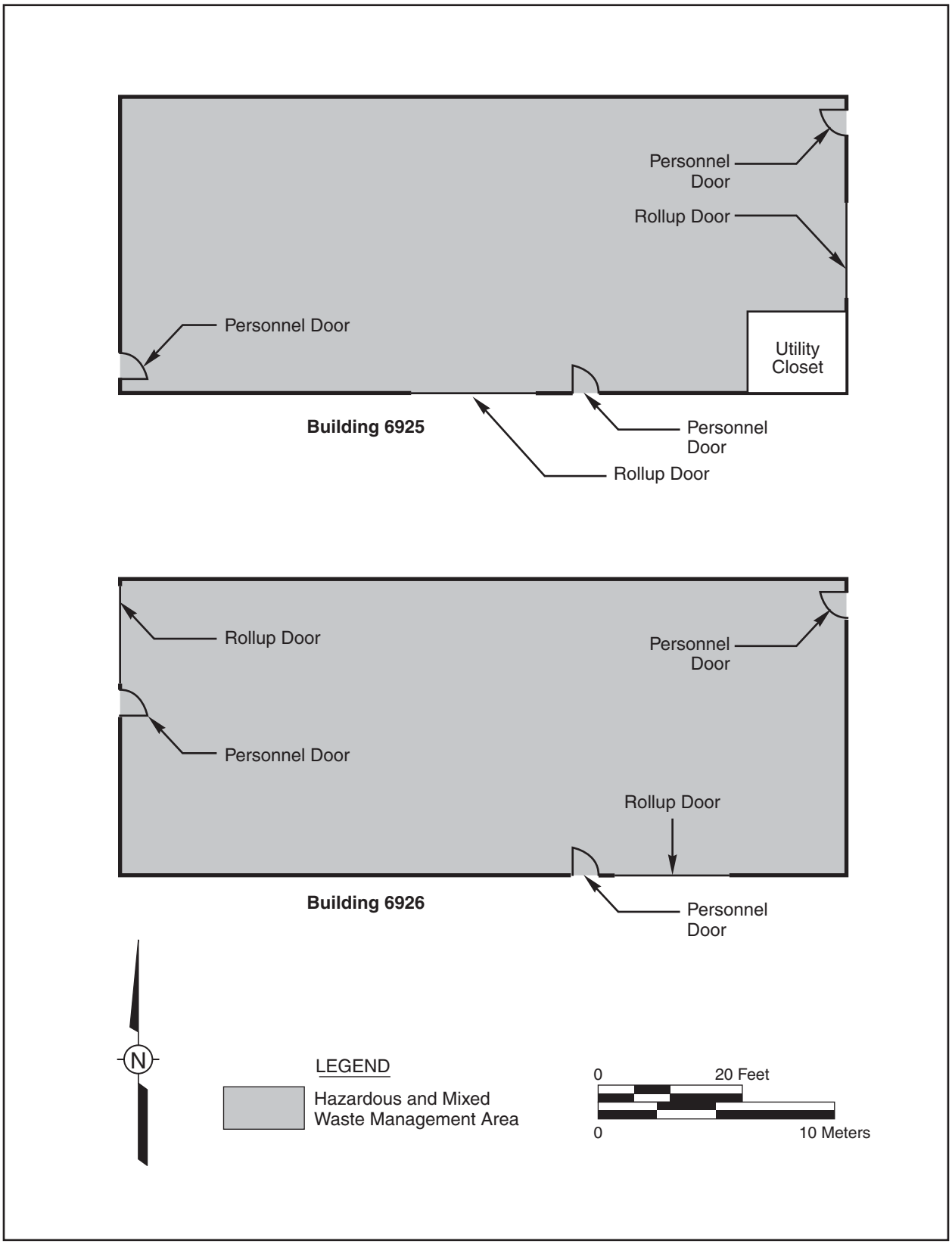


Figure 19

Radioactive and Mixed Waste Management Unit, Buildings 6925 and 6926, Waste Management Areas

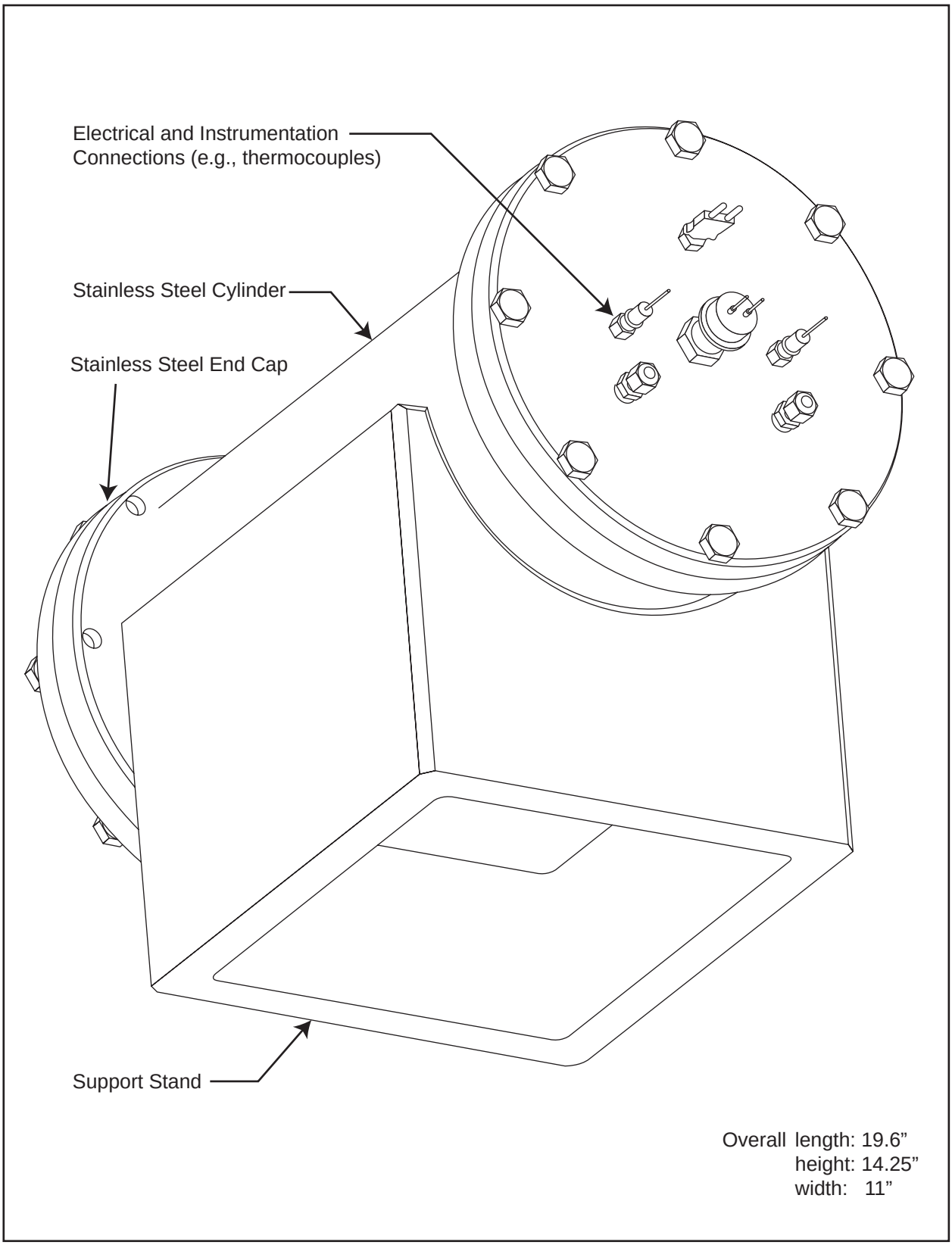


Figure 20

Radioactive and Mixed Waste Management Unit
Thermal Deactivation Device, Exterior Bottom View

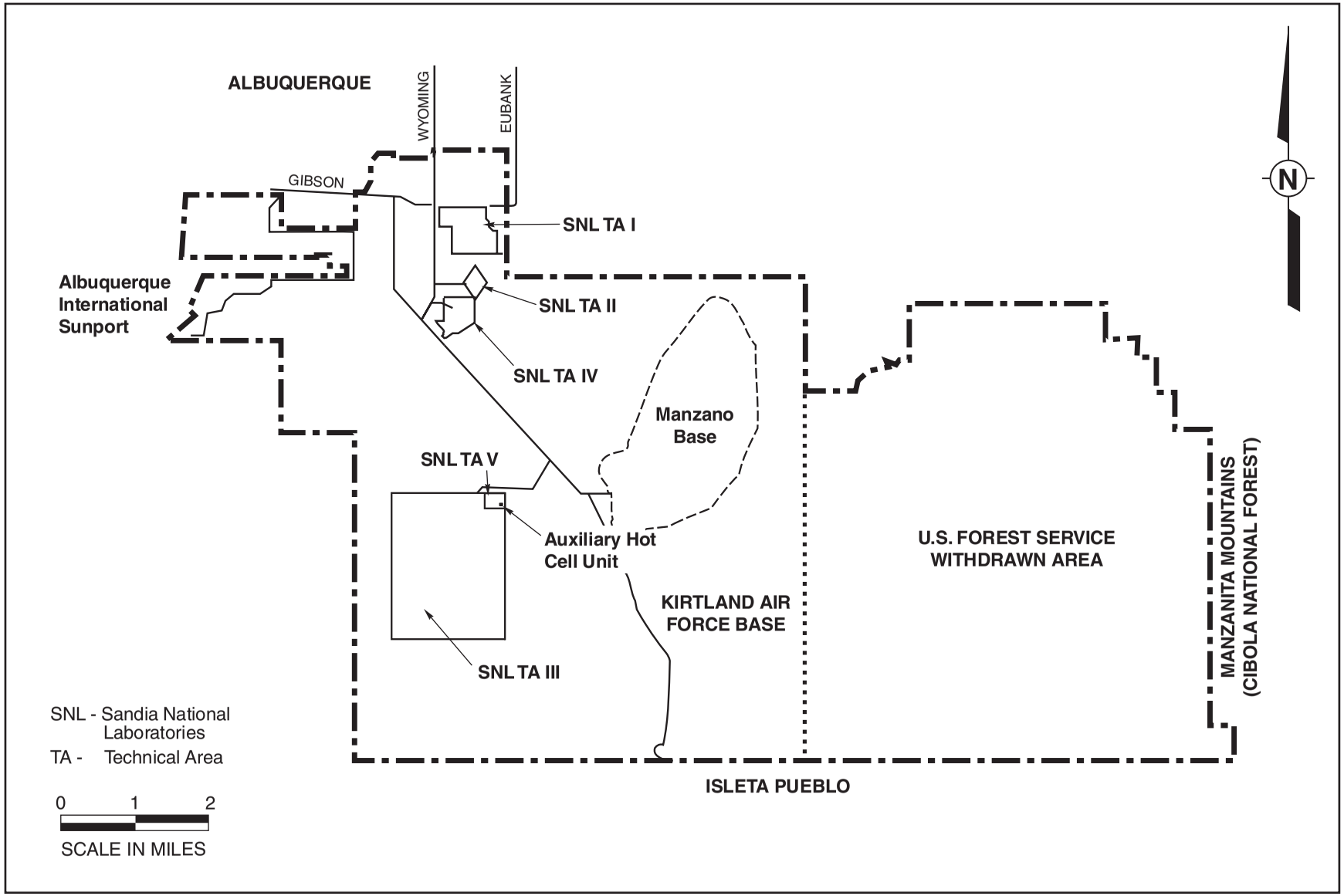


Figure 21-A
Location of the Auxiliary Hot Cell Unit at the Facility

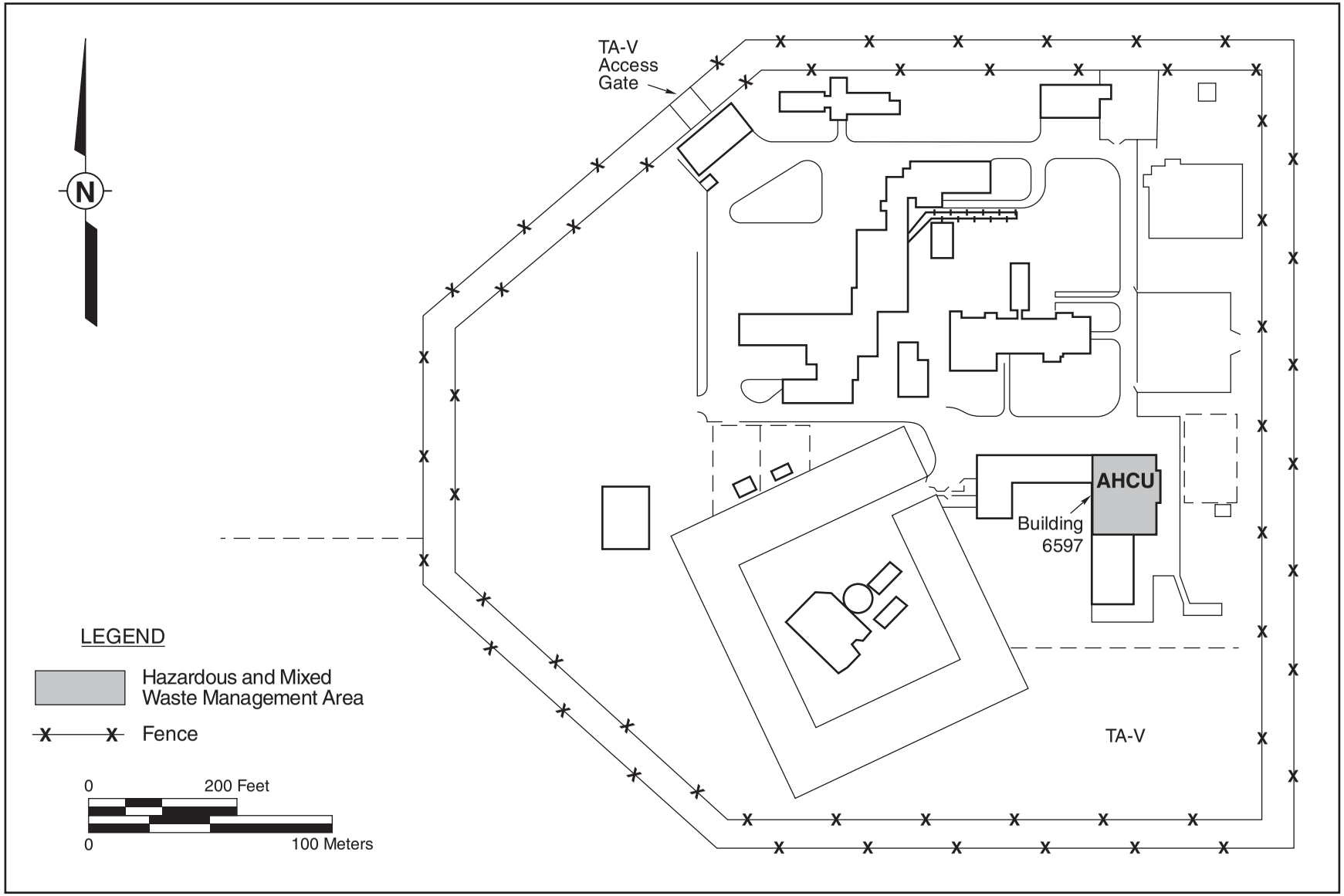


Figure 21-B
Location of the Auxiliary Hot Cell Unit (AHCU) in Technical Area (TA) V

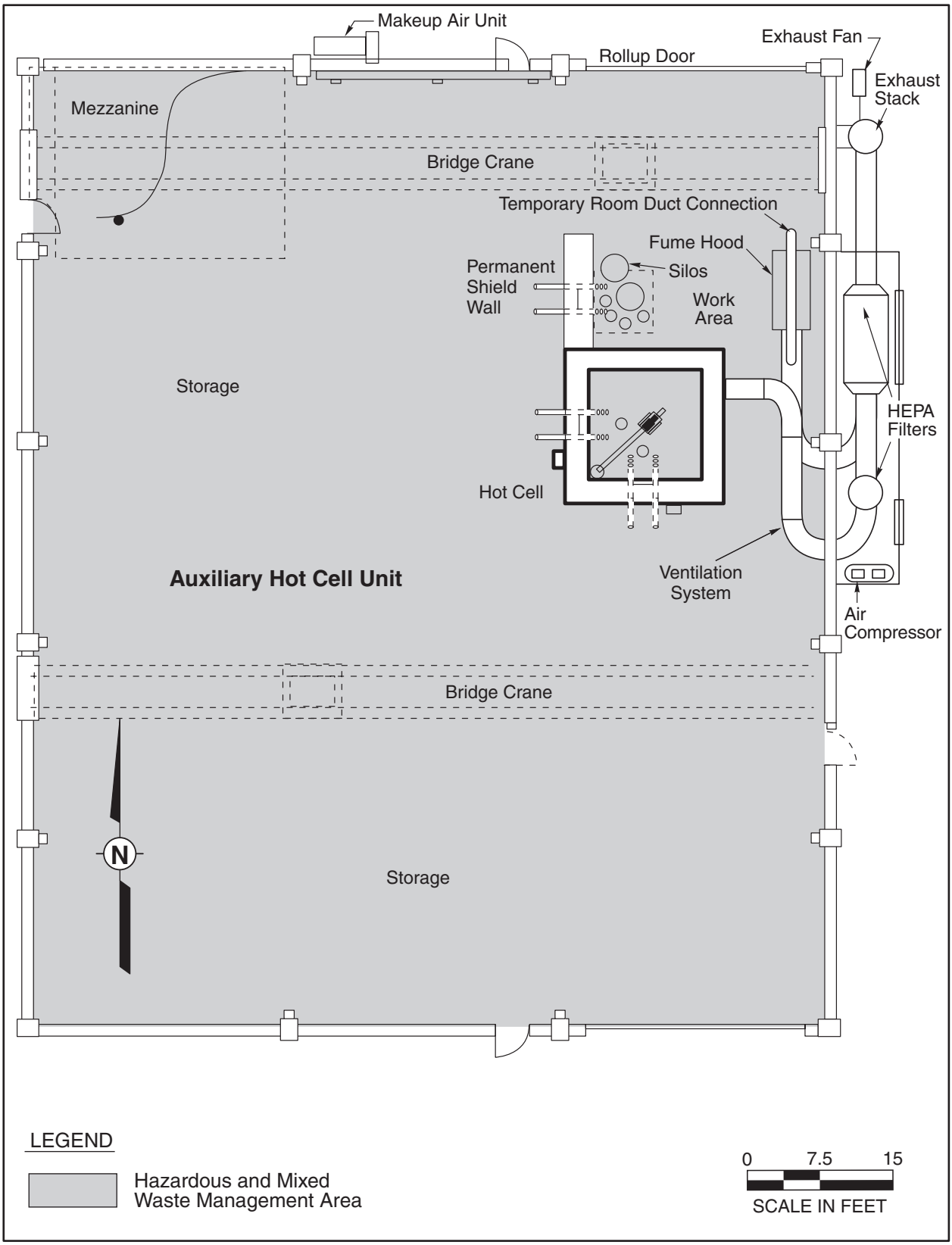


Figure 22

Auxiliary Hot Cell Unit, Waste Management Areas

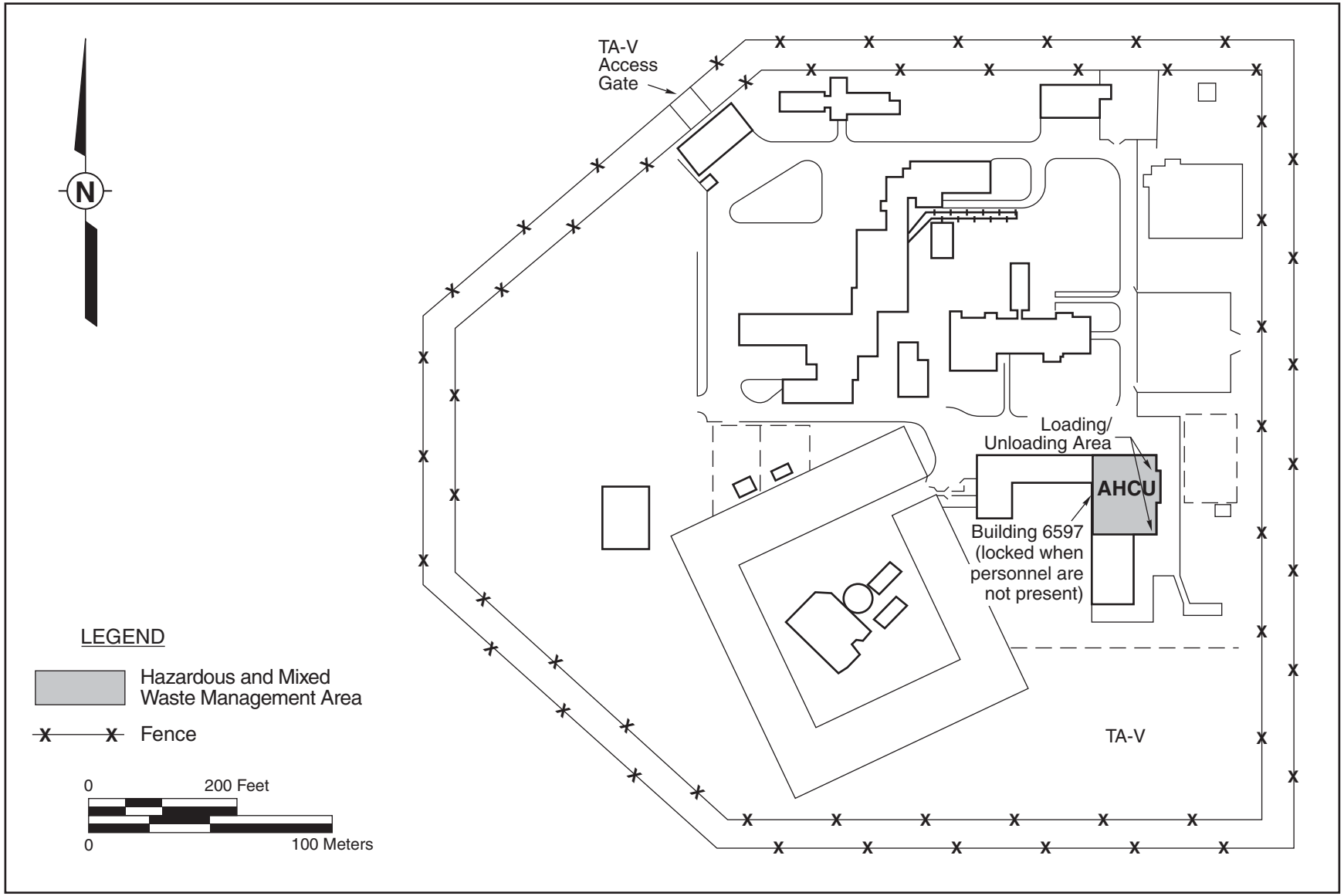


Figure 23

Auxiliary Hot Cell Unit Loading/Unloading and Access Control Features

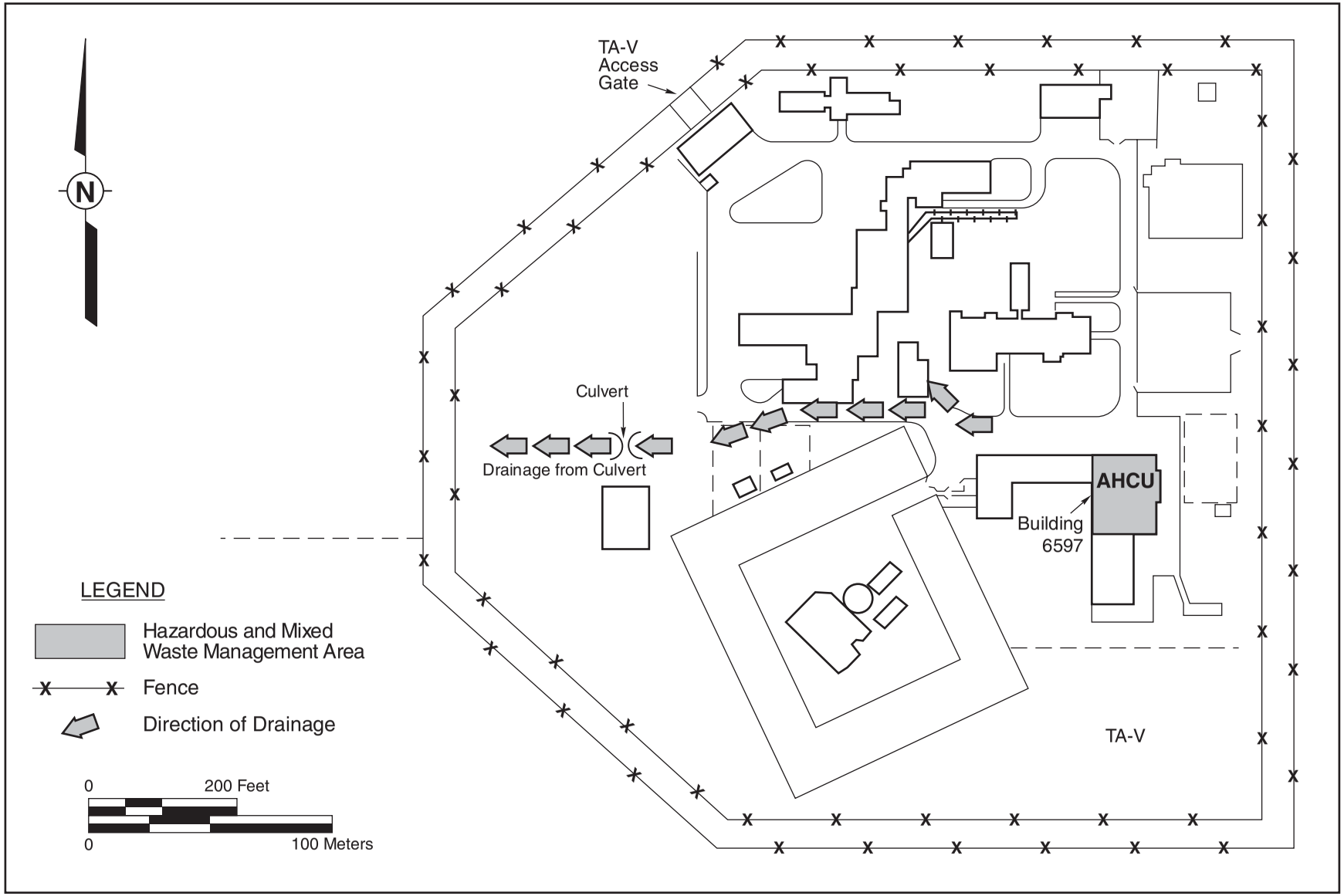


Figure 24
Auxiliary Hot Cell Unit (AHCU), Drainage Control Features

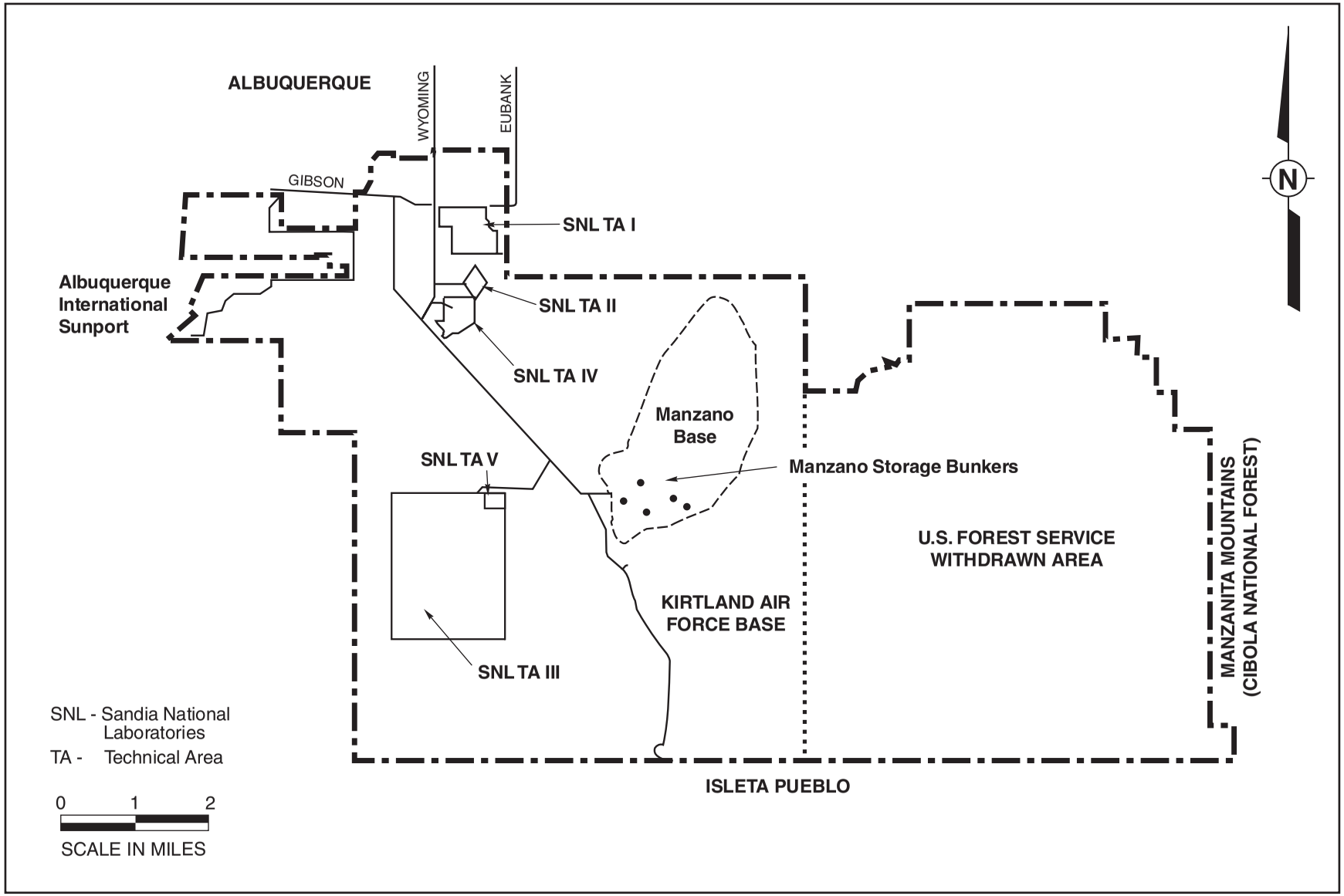


Figure 25
Location of the Manzano Storage Bunkers at the Facility

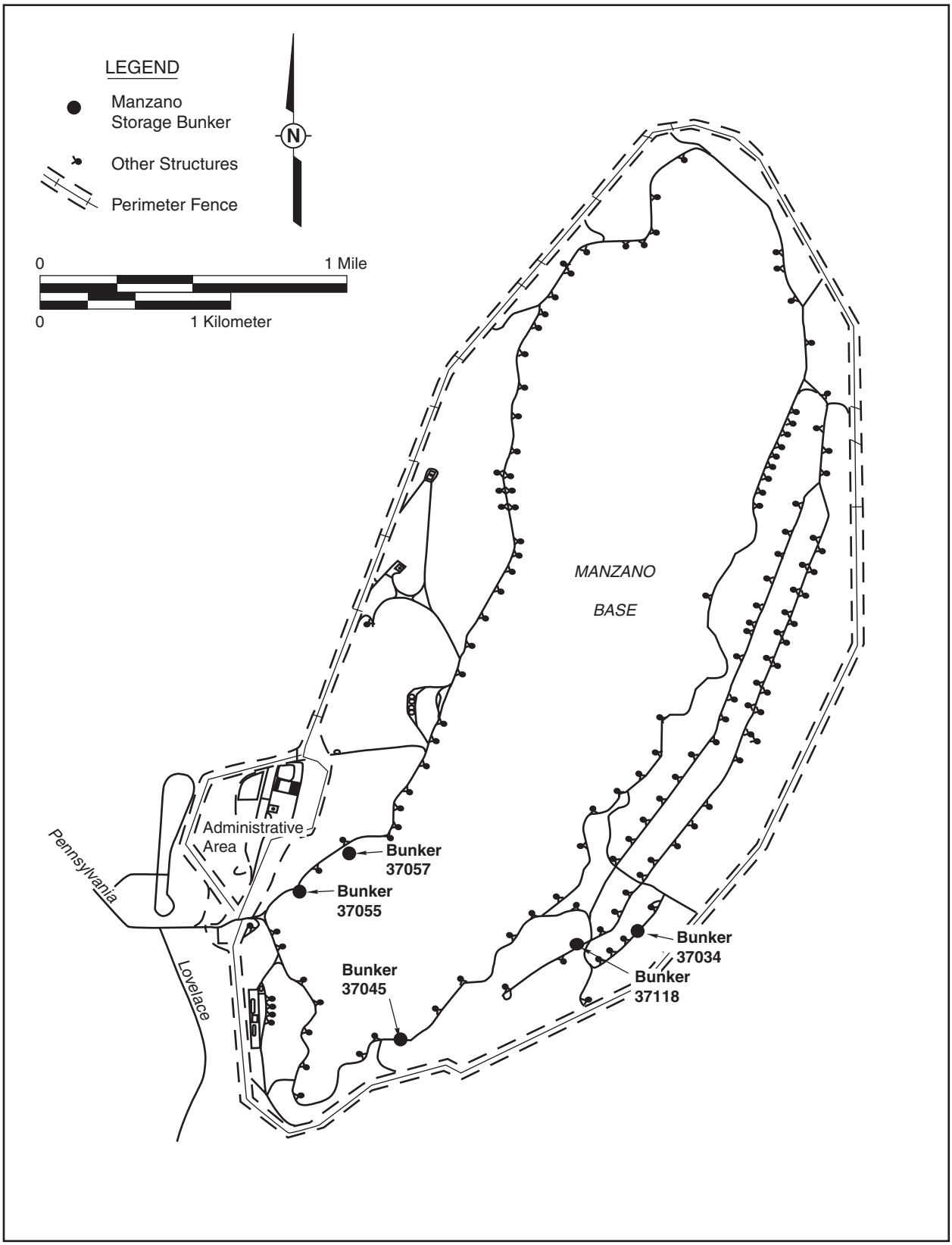


Figure 26
Location of the Manzano Storage Bunkers at Manzano Base

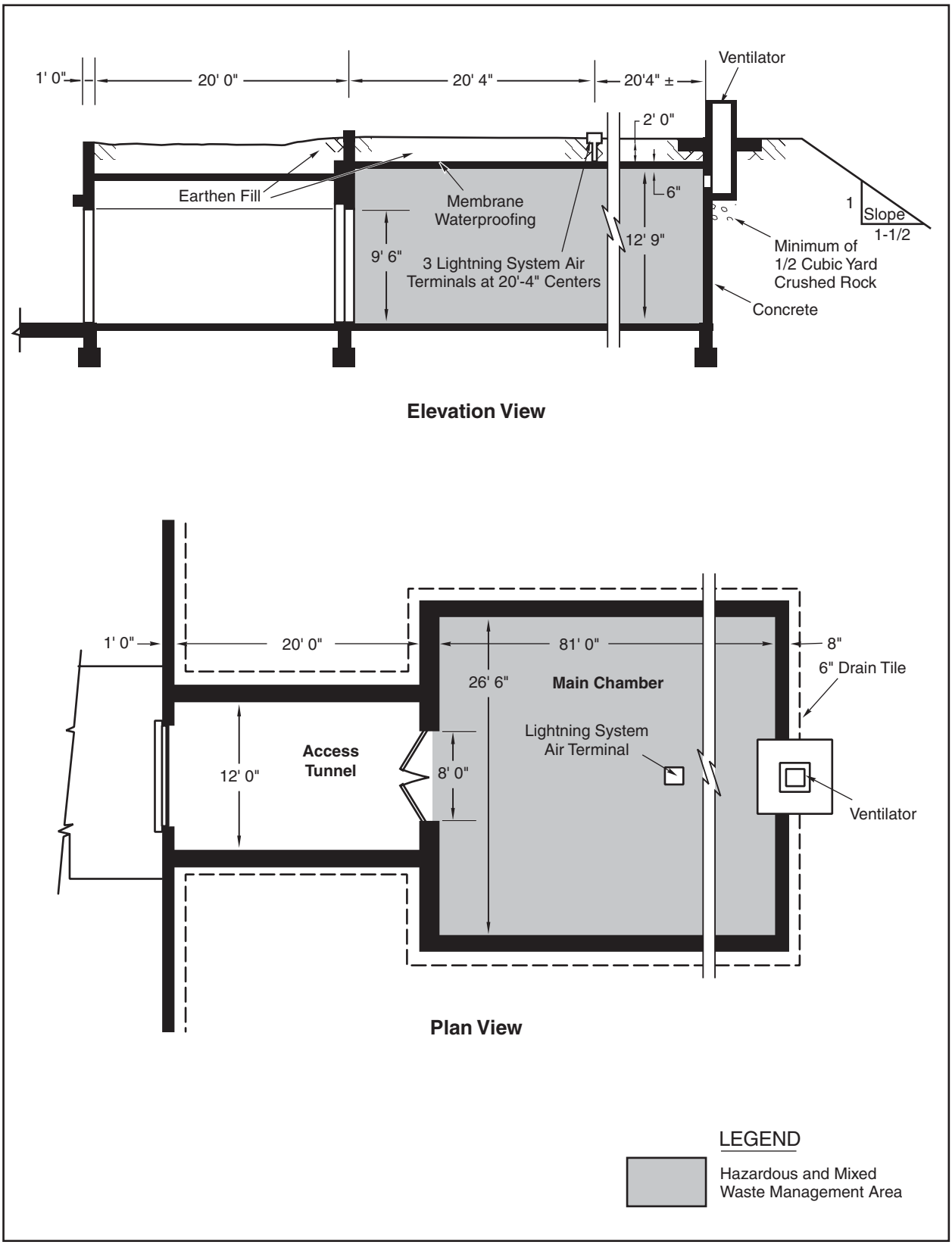


Figure 27

Views, Manzano Storage Bunker, Type B, Bunker 37034

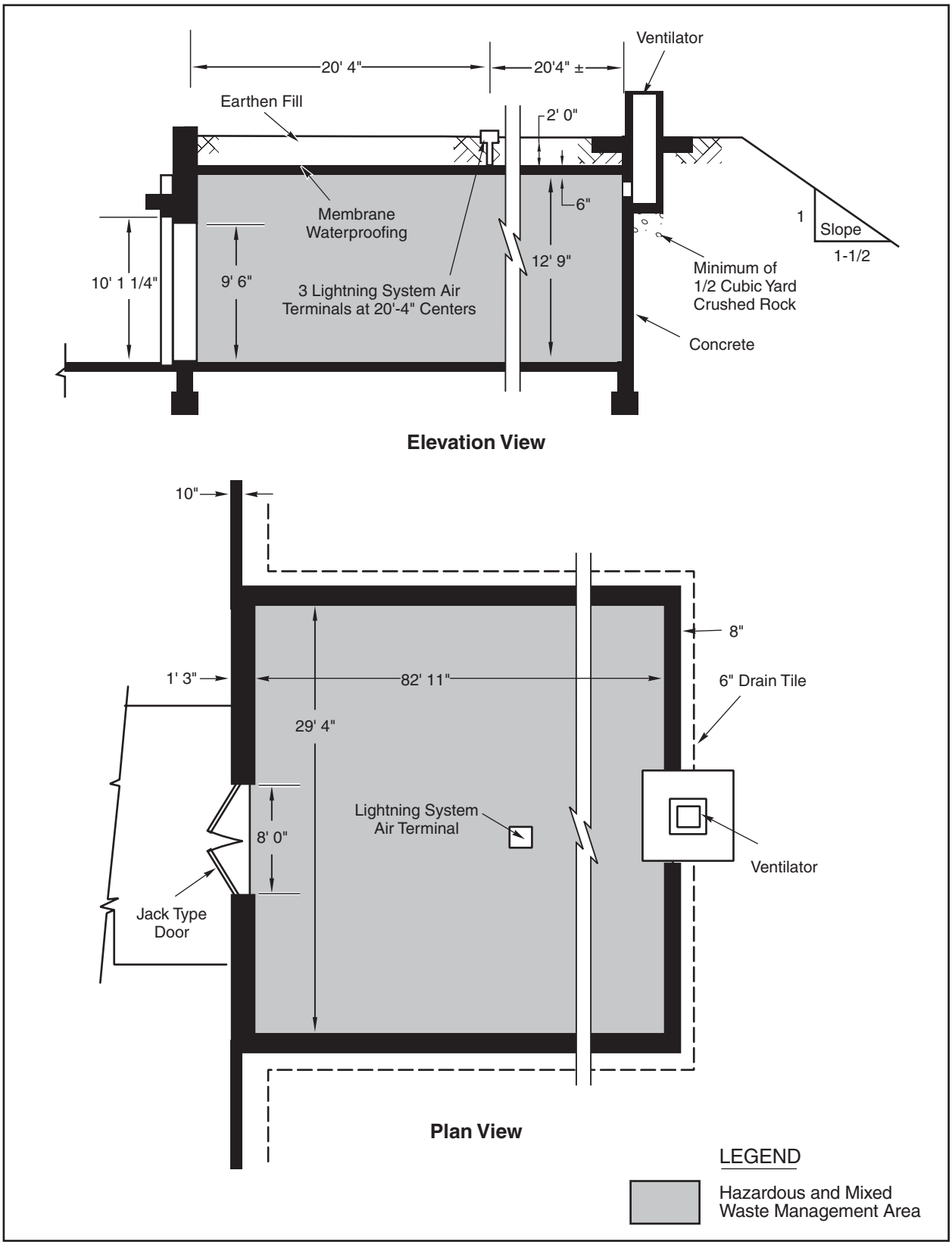


Figure 28

Views, Manzano Storage Bunker, Type C, Bunker 37118

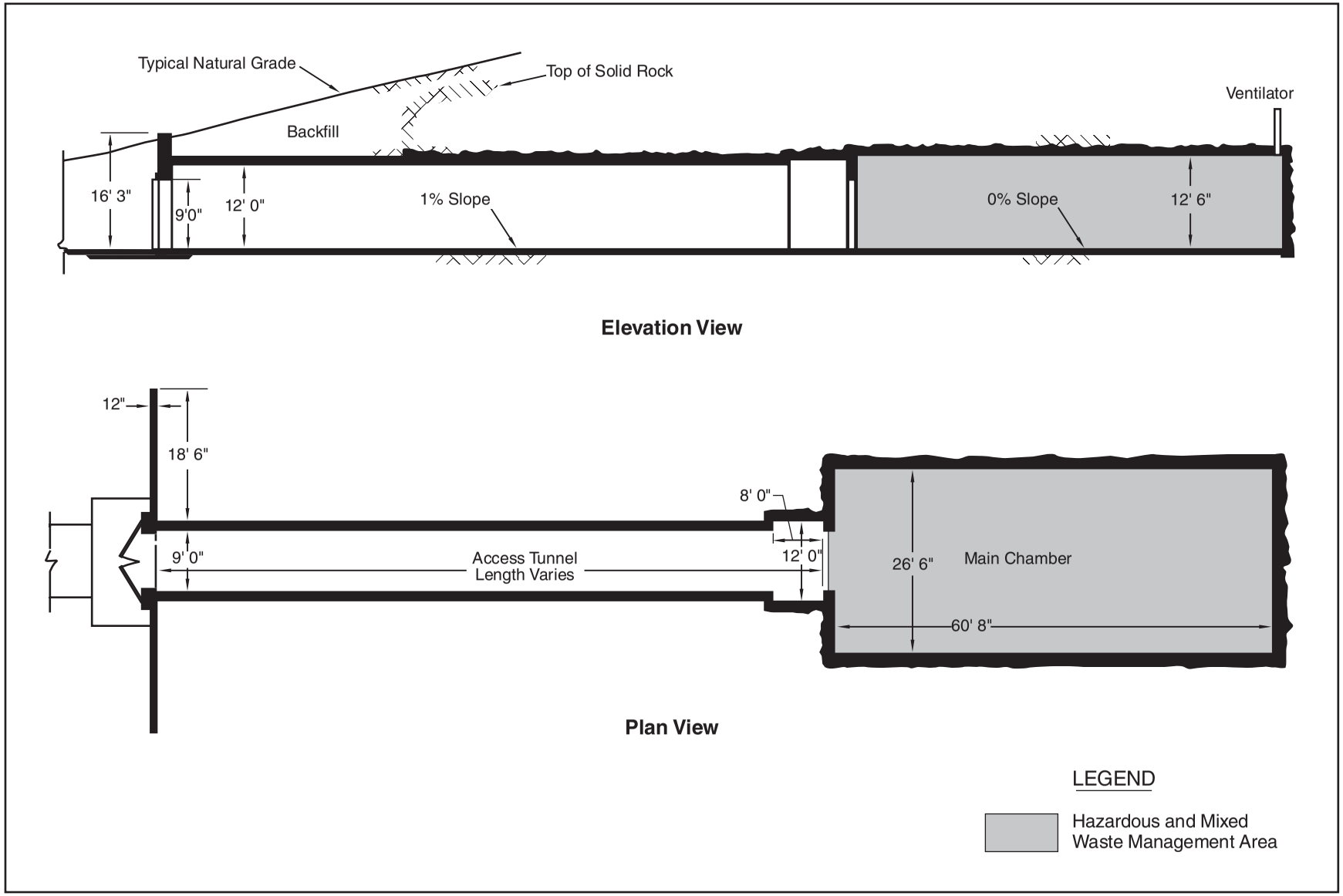


Figure 29

Views, Manzano Storage Bunkers, Type D Bunkers 37045, 37055, and 37057

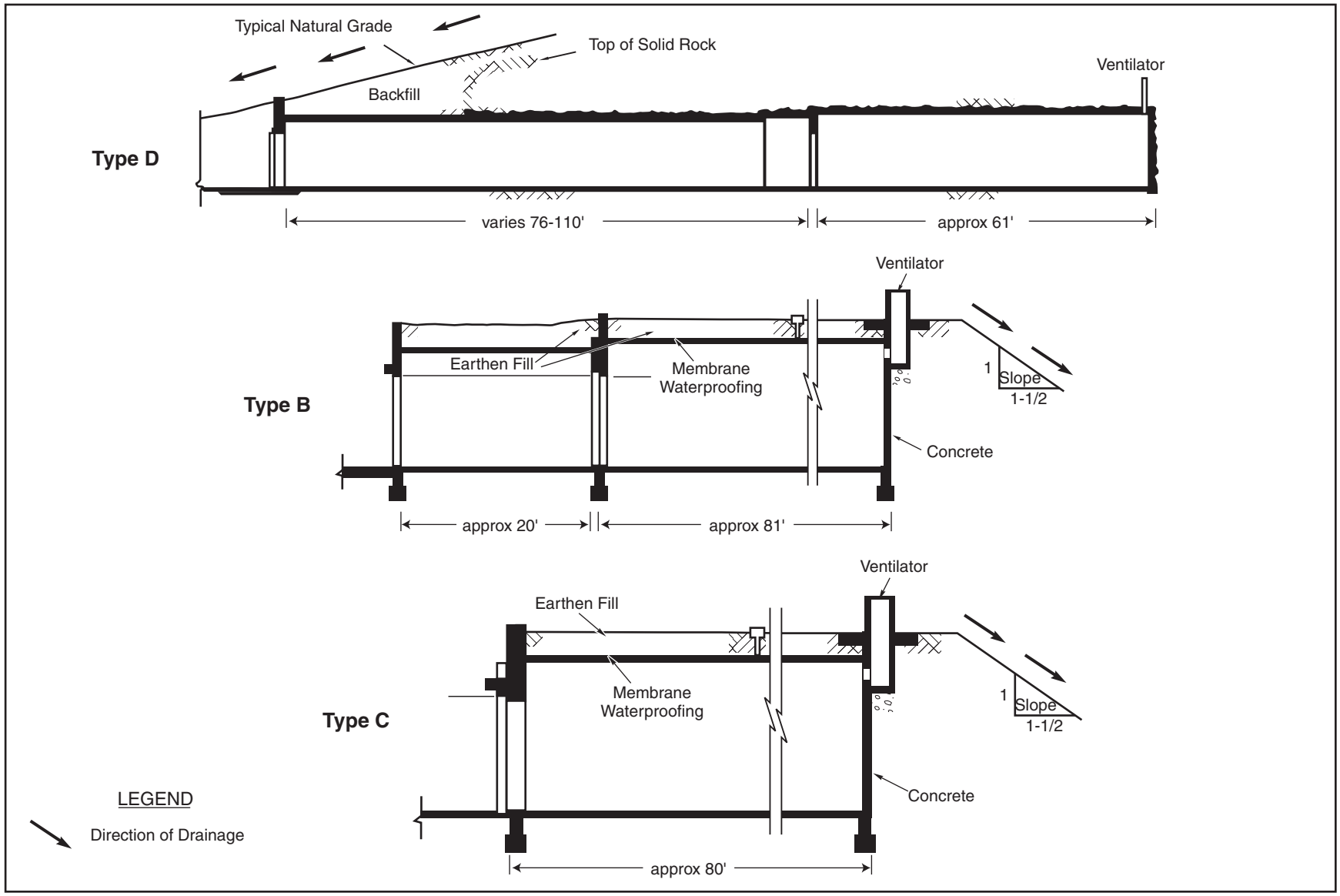


Figure 30

Manzano Storage Bunkers, Drainage Control Features

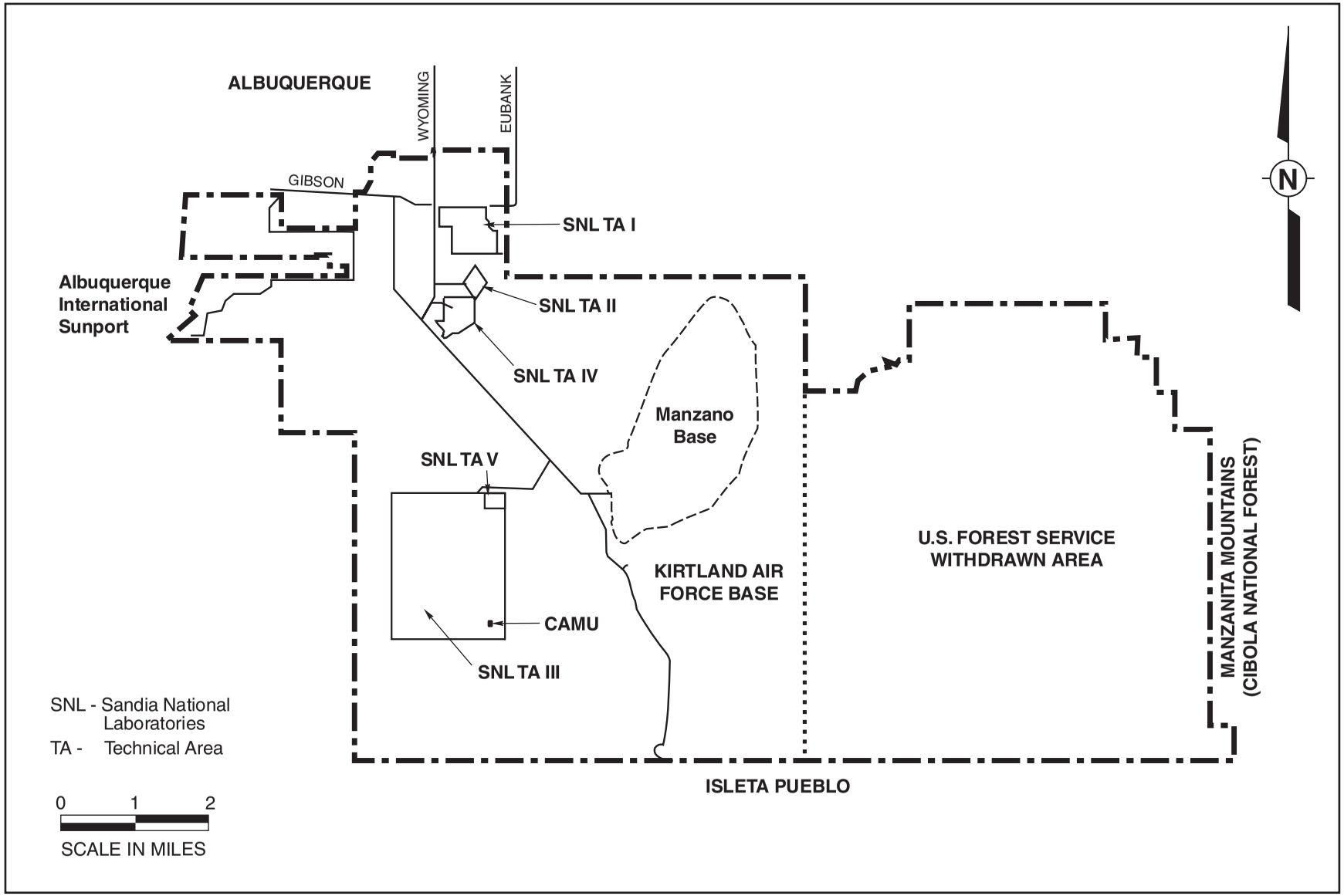


Figure 31
Location of the Corrective Action Management Unit (CAMU) at the Facility

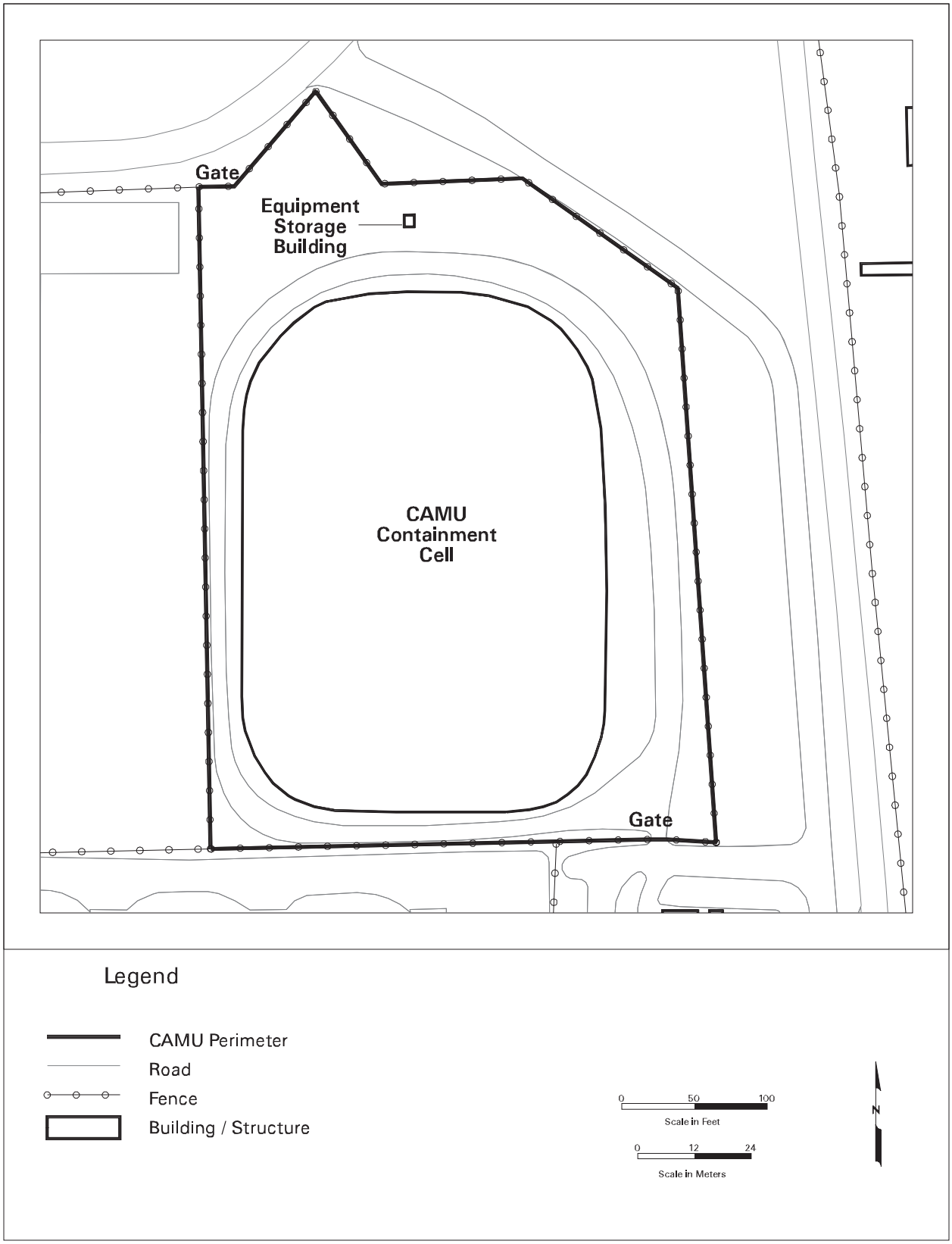


Figure 32
Post-Closure Perimeter
Corrective Action Management Unit (CAMU)

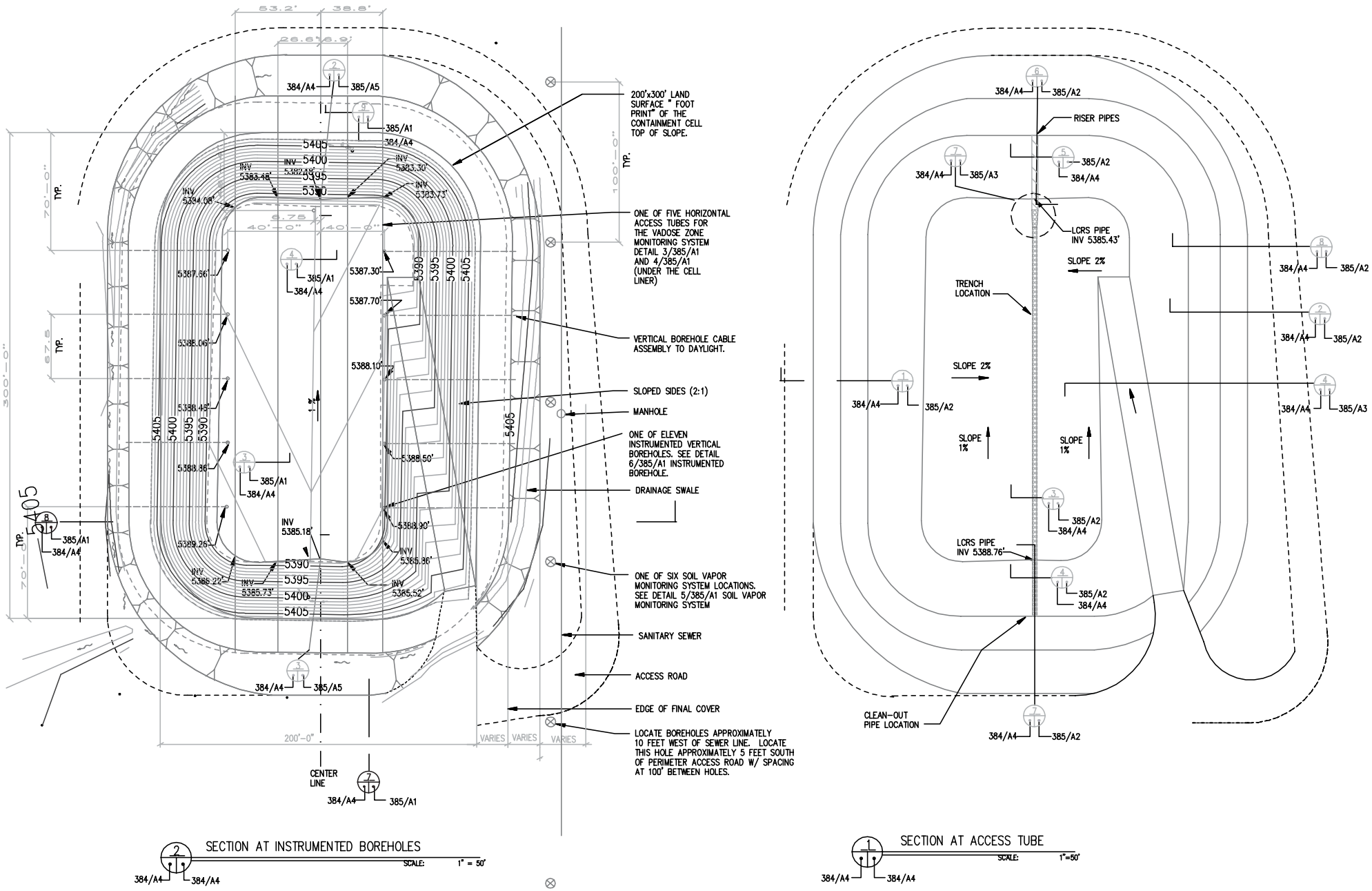


Figure 33
Corrective Action Management Unit
Containment Cell Site Plan

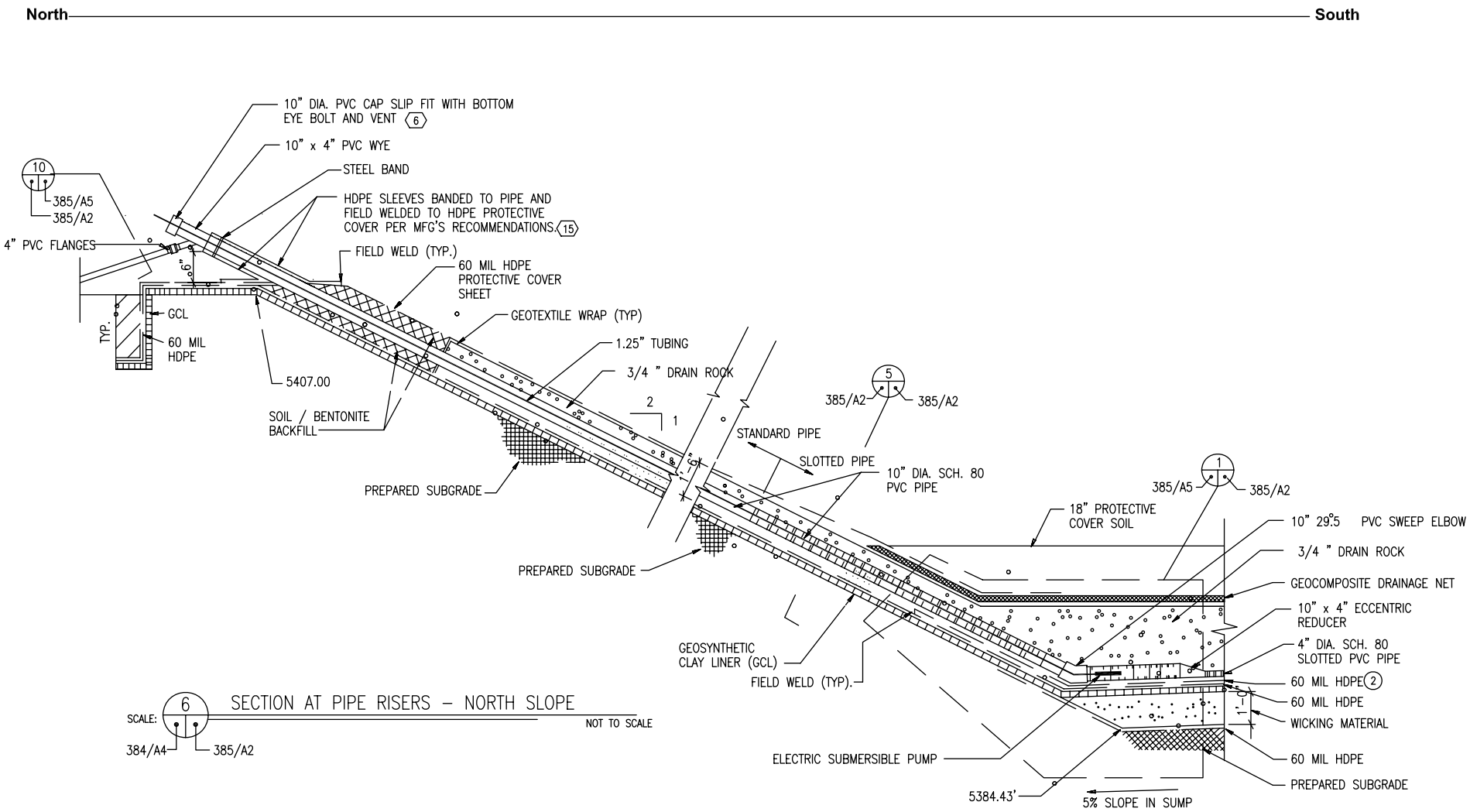


Figure 34
Corrective Action Management Unit
North-South Cross-Section of Leachate Collection and Removal System Sump

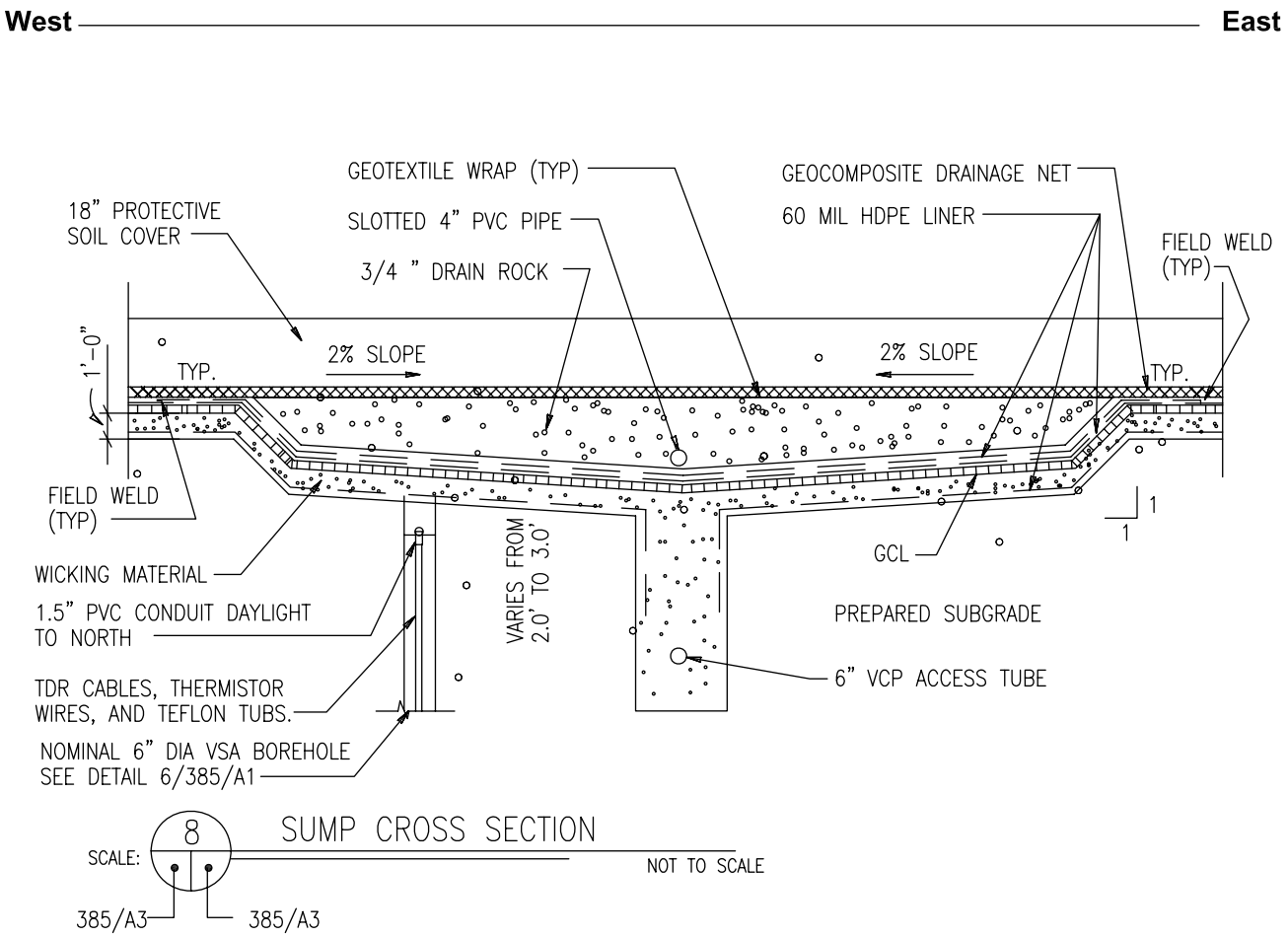


Figure 35
Corrective Action Management Unit
West-East Cross-Section of Containment Cell

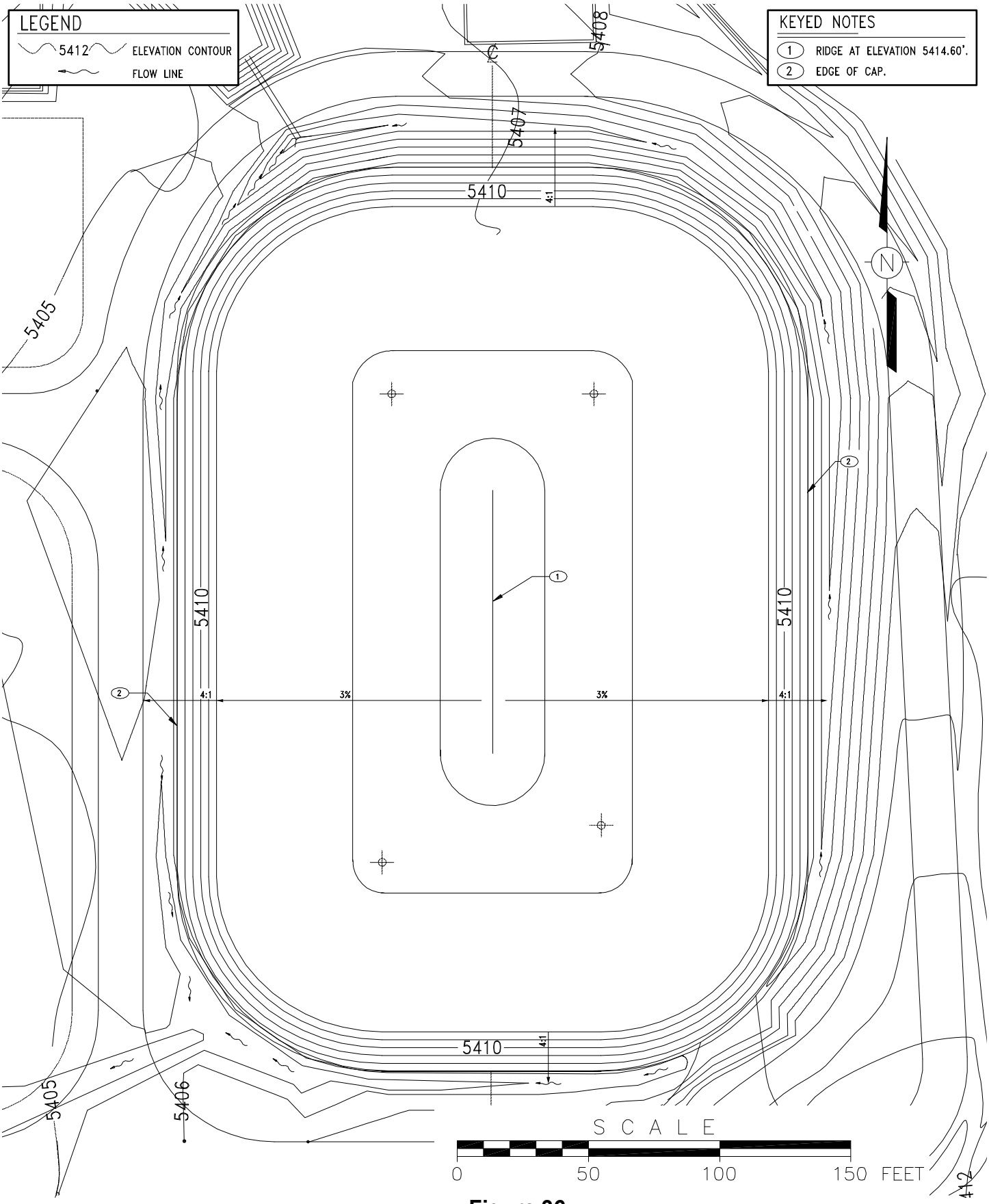


Figure 36
Plan View of Completed
Corrective Action Management Unit (CAMU) Containment
Cell Showing Final Cover Configuration and
Associated Perimeter Drainage Pathways

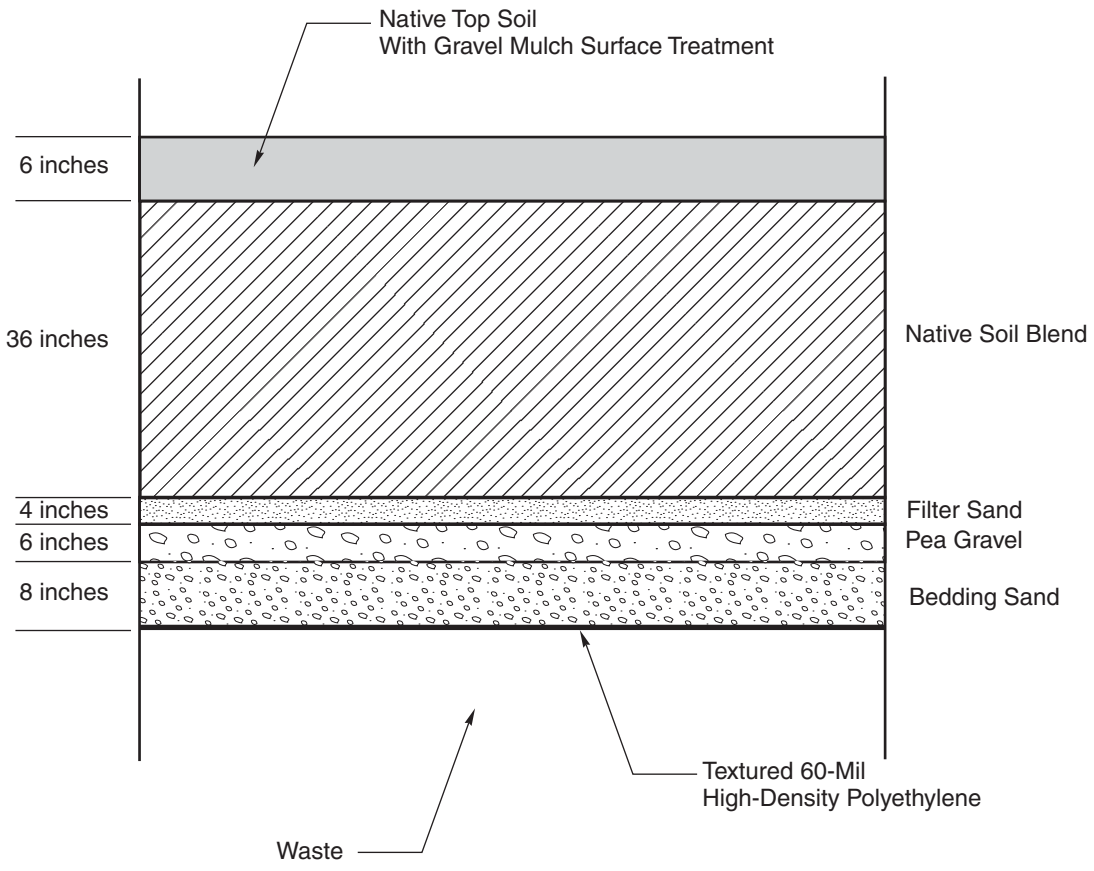


Figure 37

Schematic Cross-Section of Final Cover System,
Corrective Action Management Unit Containment Cell

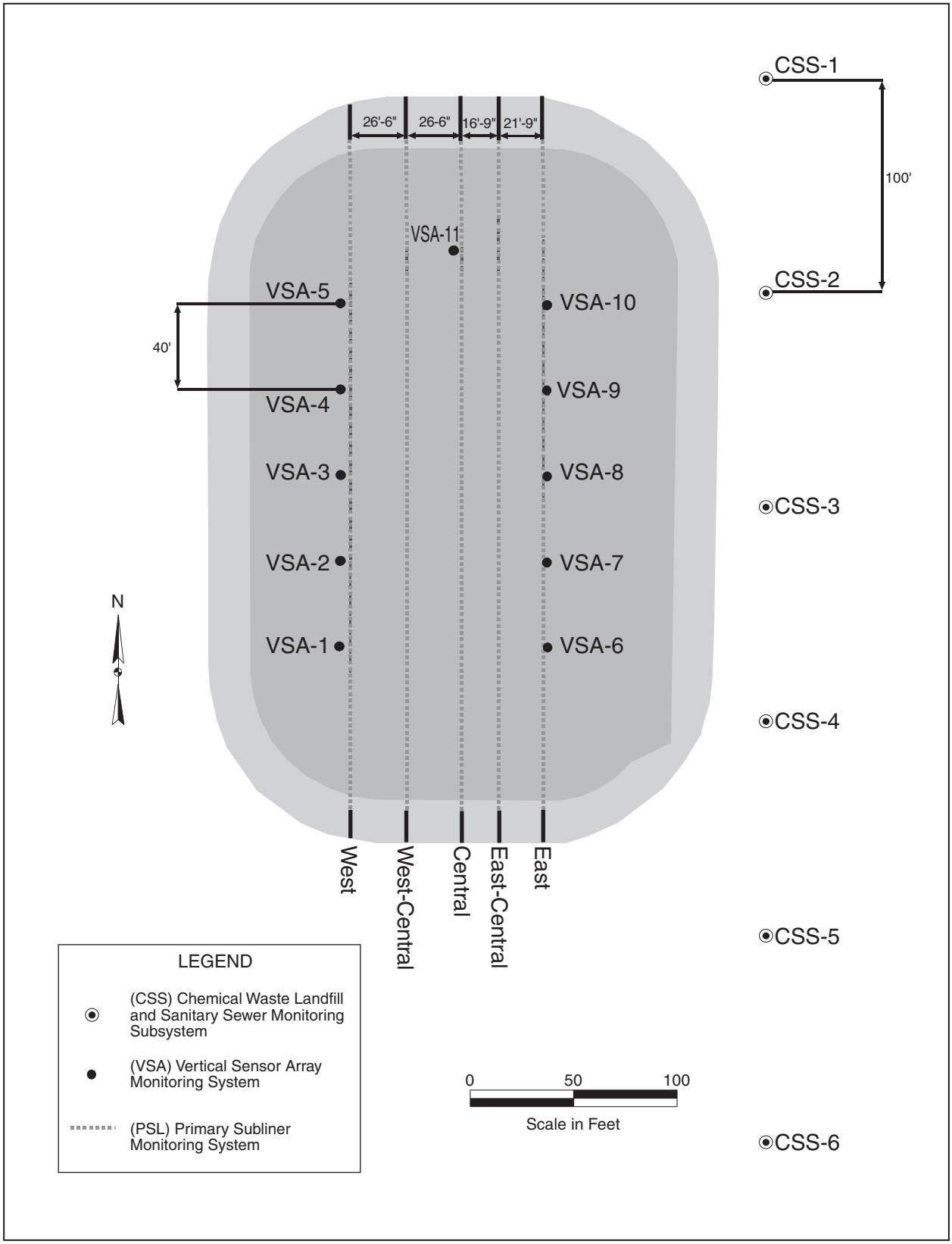


Figure 38

Plan View of Corrective Action Management Unit Containment Cell and Vadose Zone Monitoring System

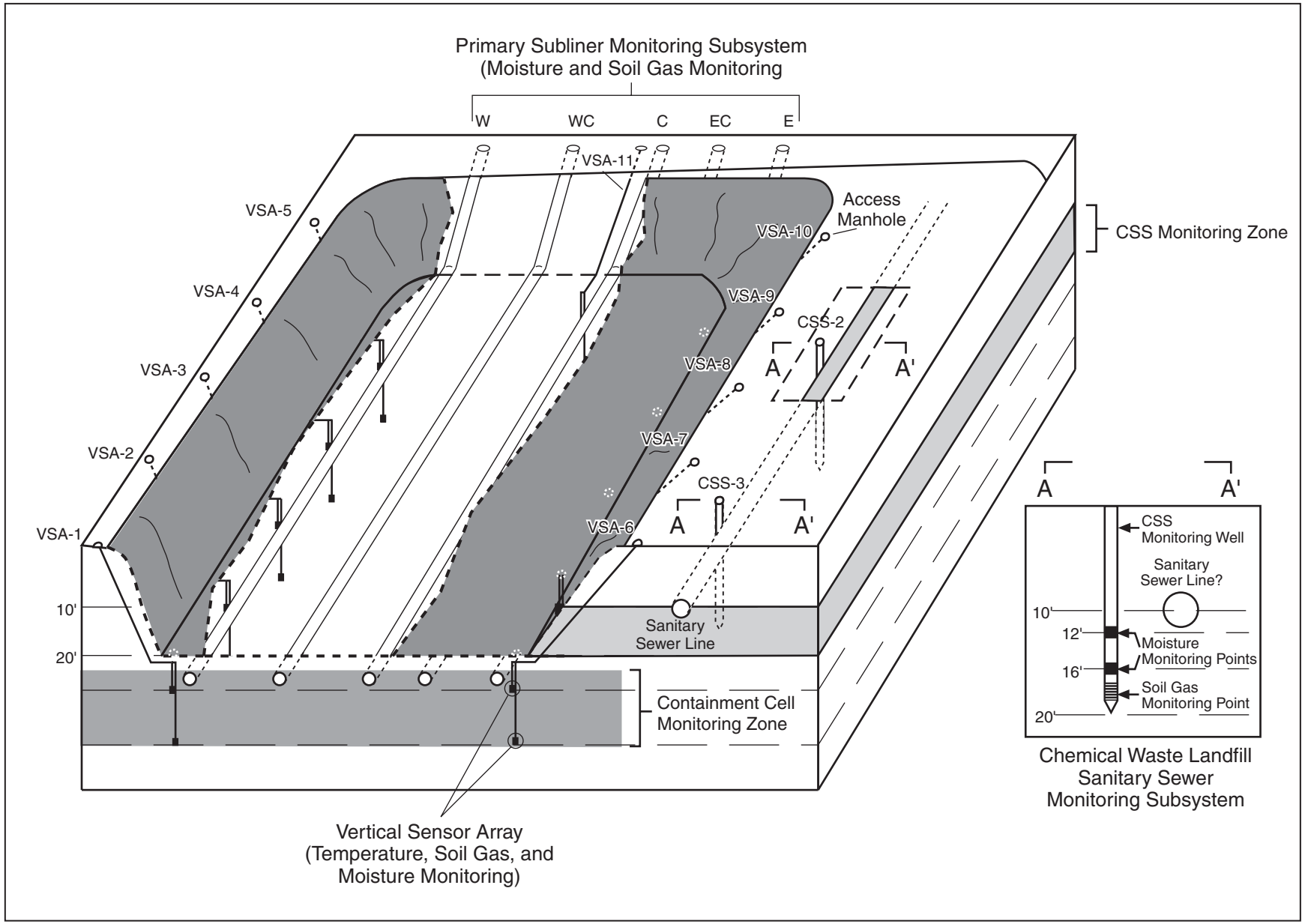


Figure 39

Block Diagram of Corrective Action Management Unit Containment Cell and Vadose Zone Monitoring System

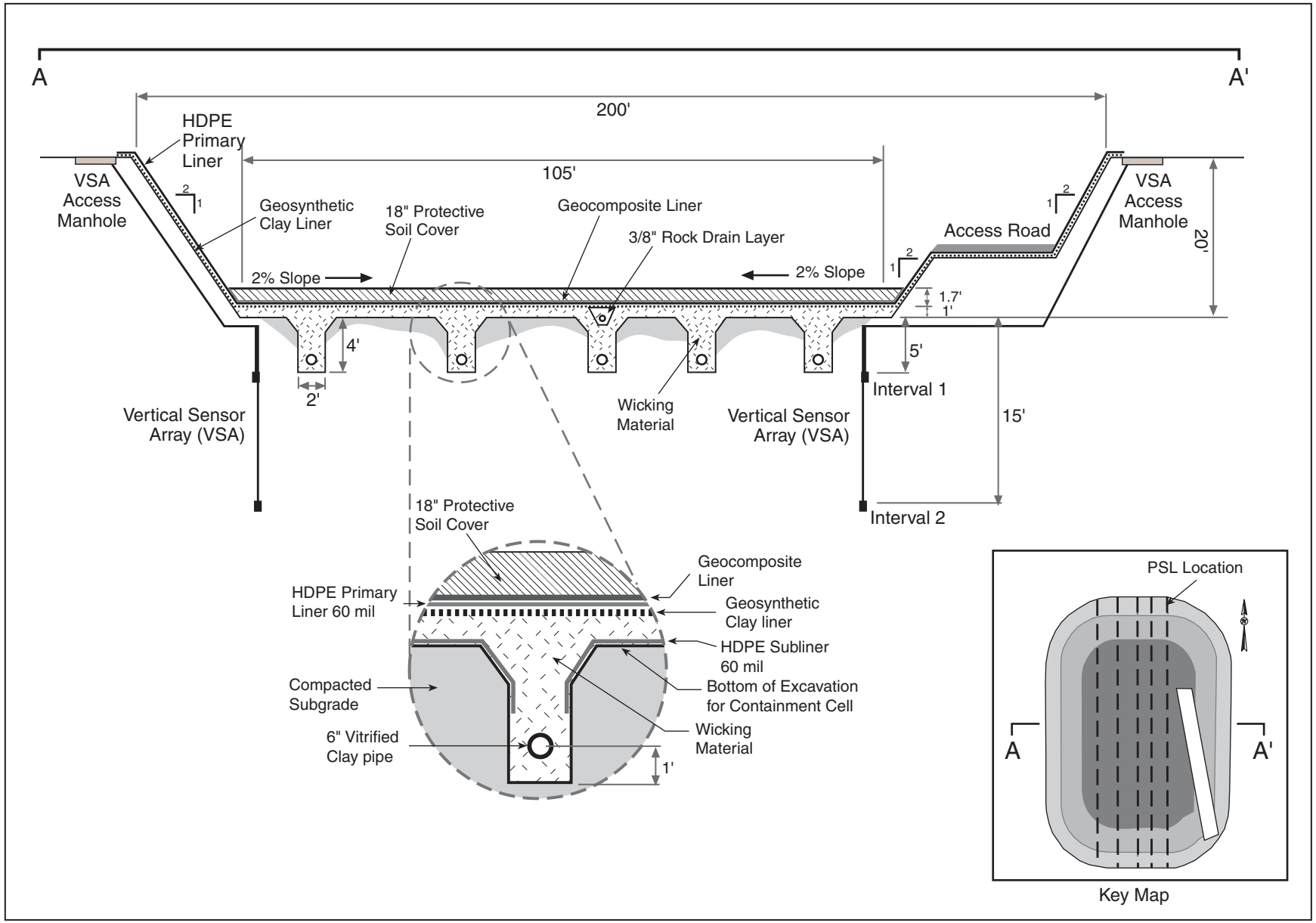


Figure 40

Cross-Section View of Corrective Action Management Unit Containment Cell and Primary Subliner Monitoring Subsystem

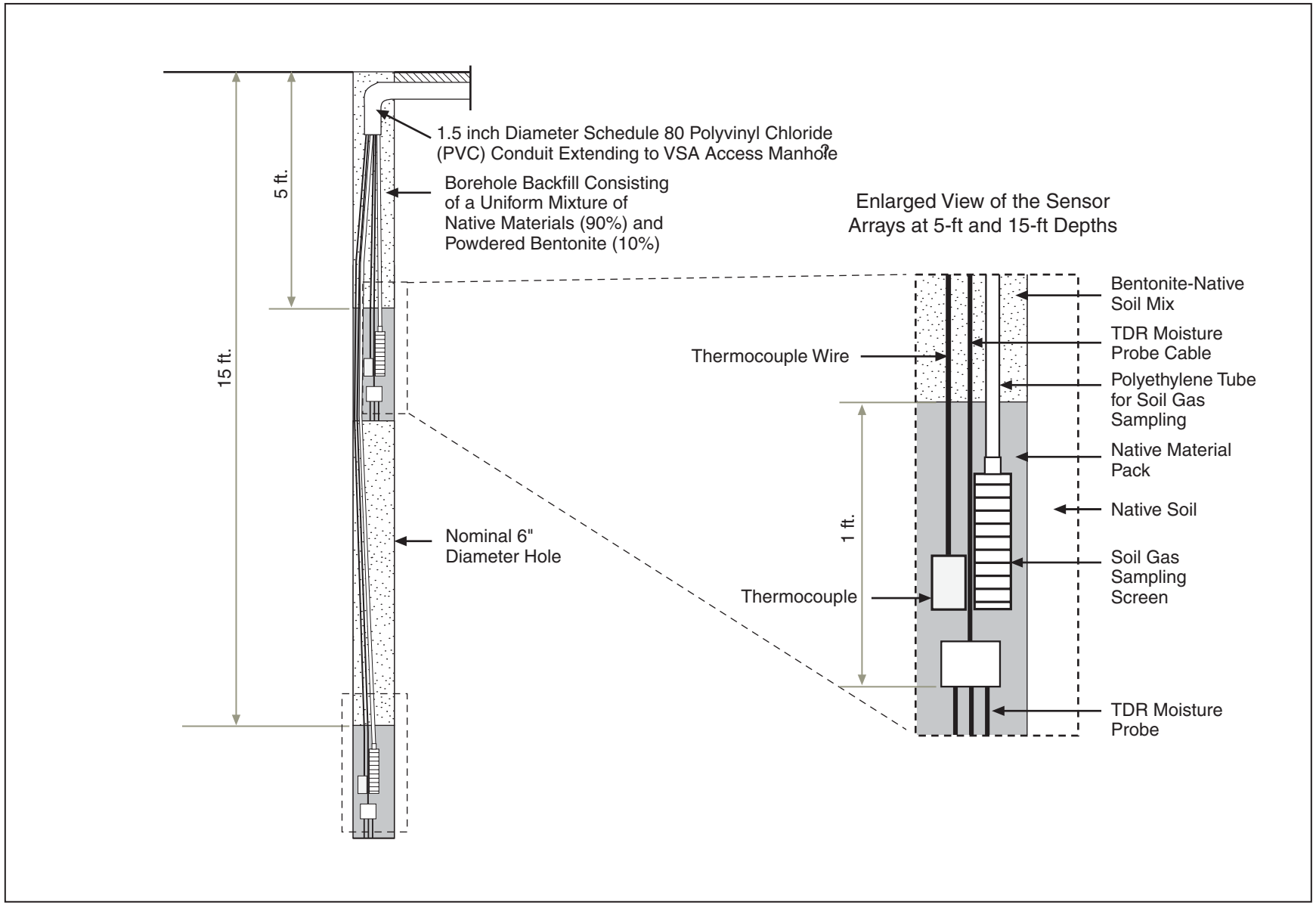


Figure 41

Configuration of Vertical Sensor Array Monitoring Subsystem

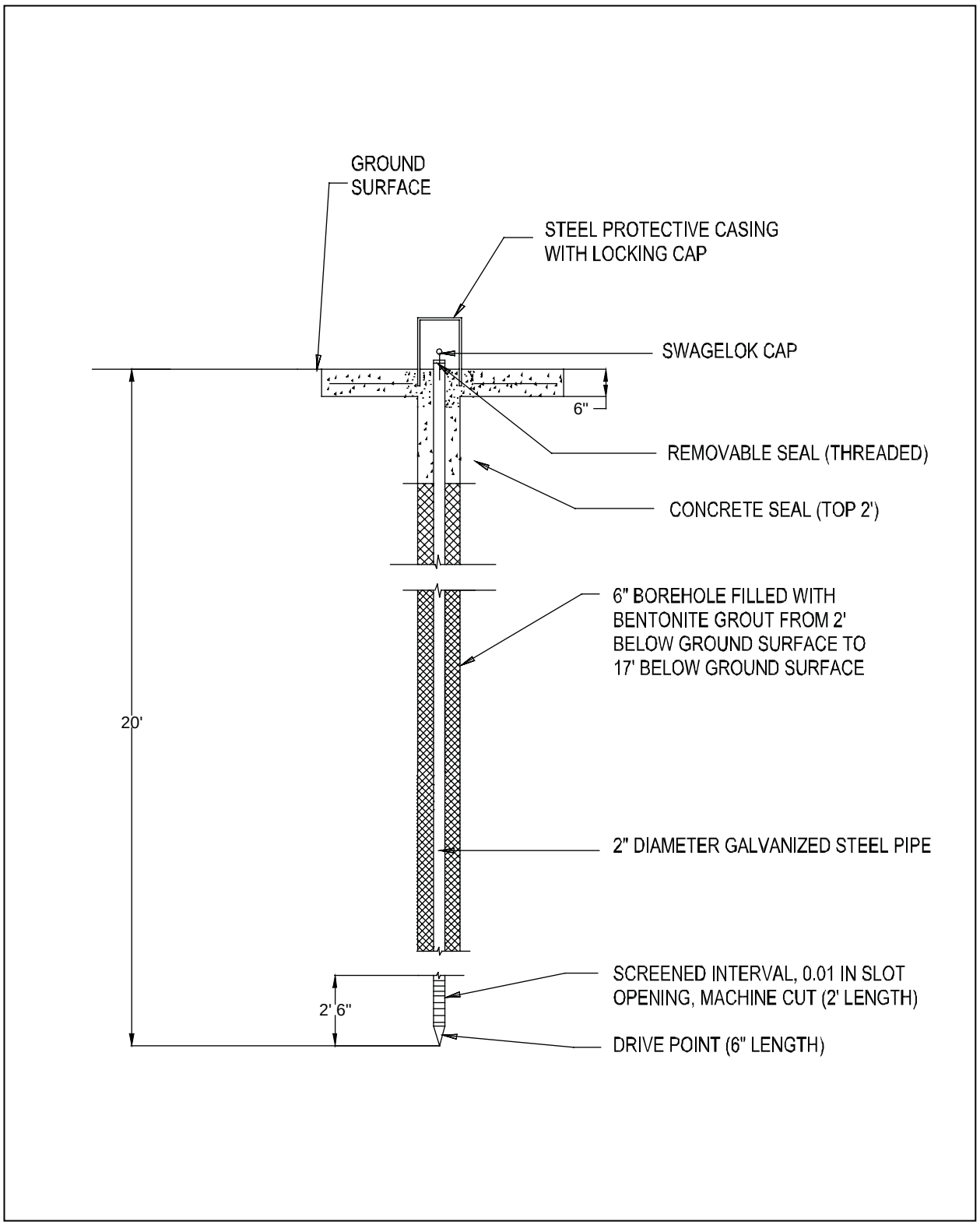


Figure 42

Cross-Section Configuration of Chemical Waste Landfill and Sanitary Sewer Monitoring Subsystem

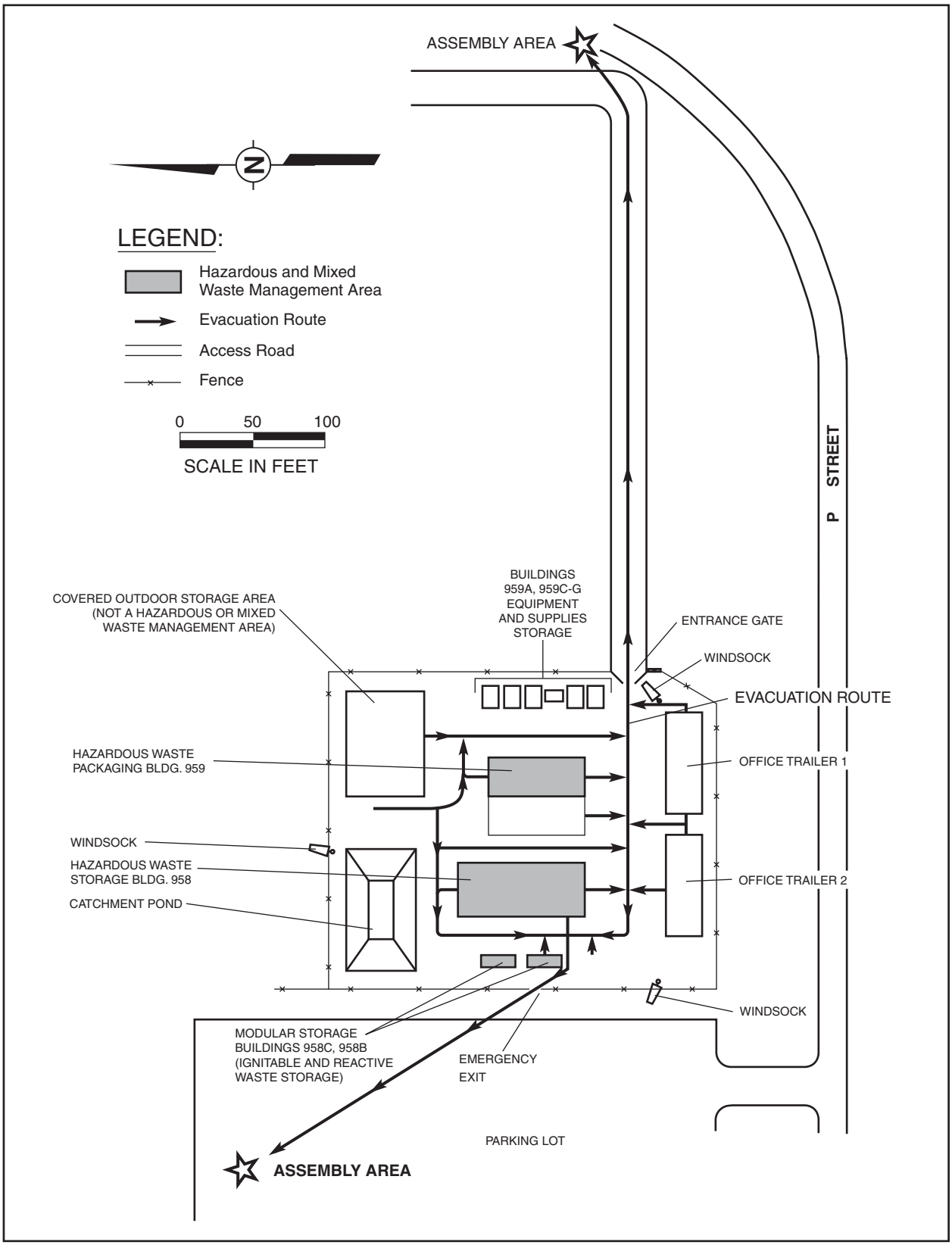


Figure 43

Hazardous Waste Handling Unit Evacuation Routes

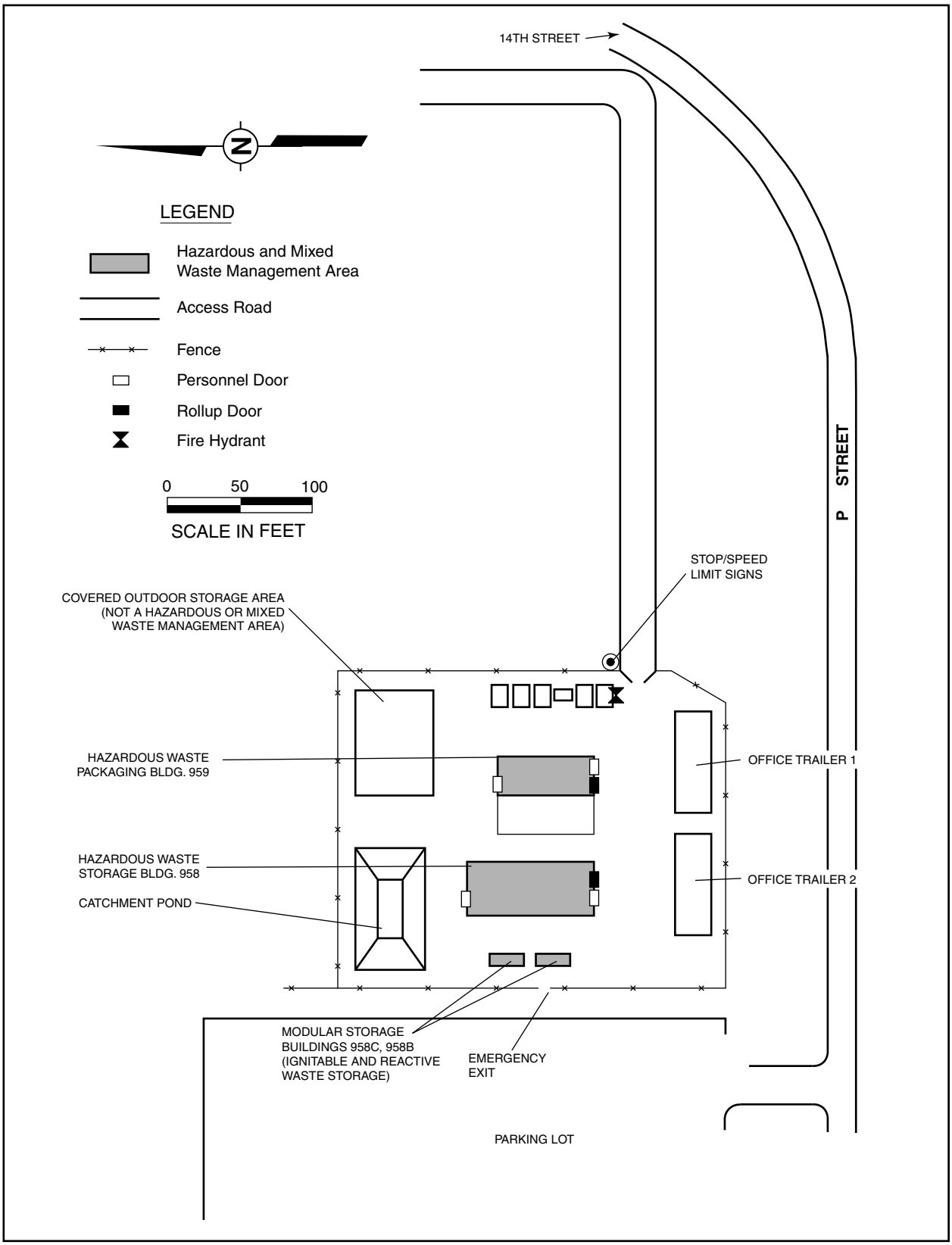


Figure 44

Hazardous Waste Handling Unit Emergency Response and Access Information

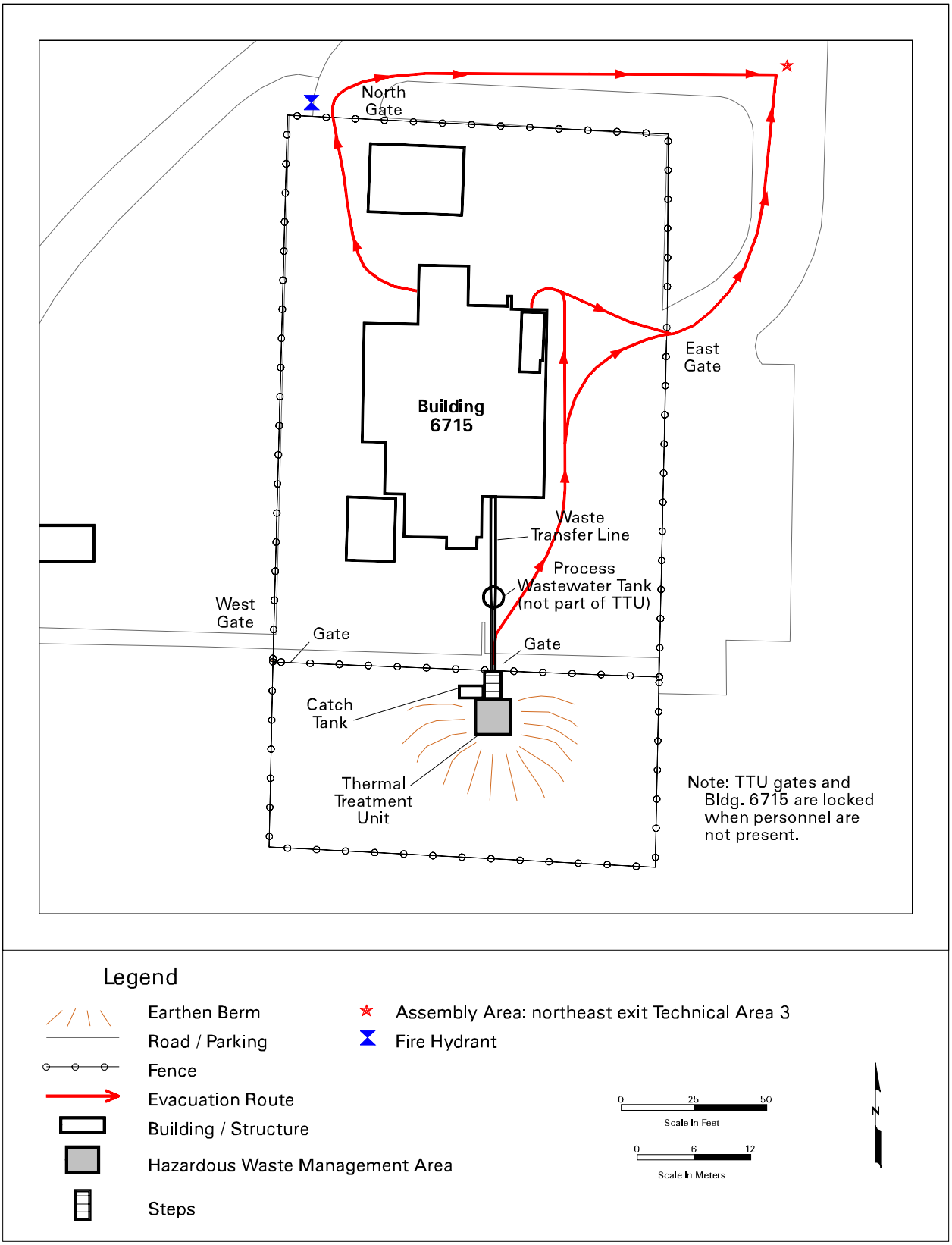


Figure 45
Thermal Treatment Unit (TTU)
Evacuation Route

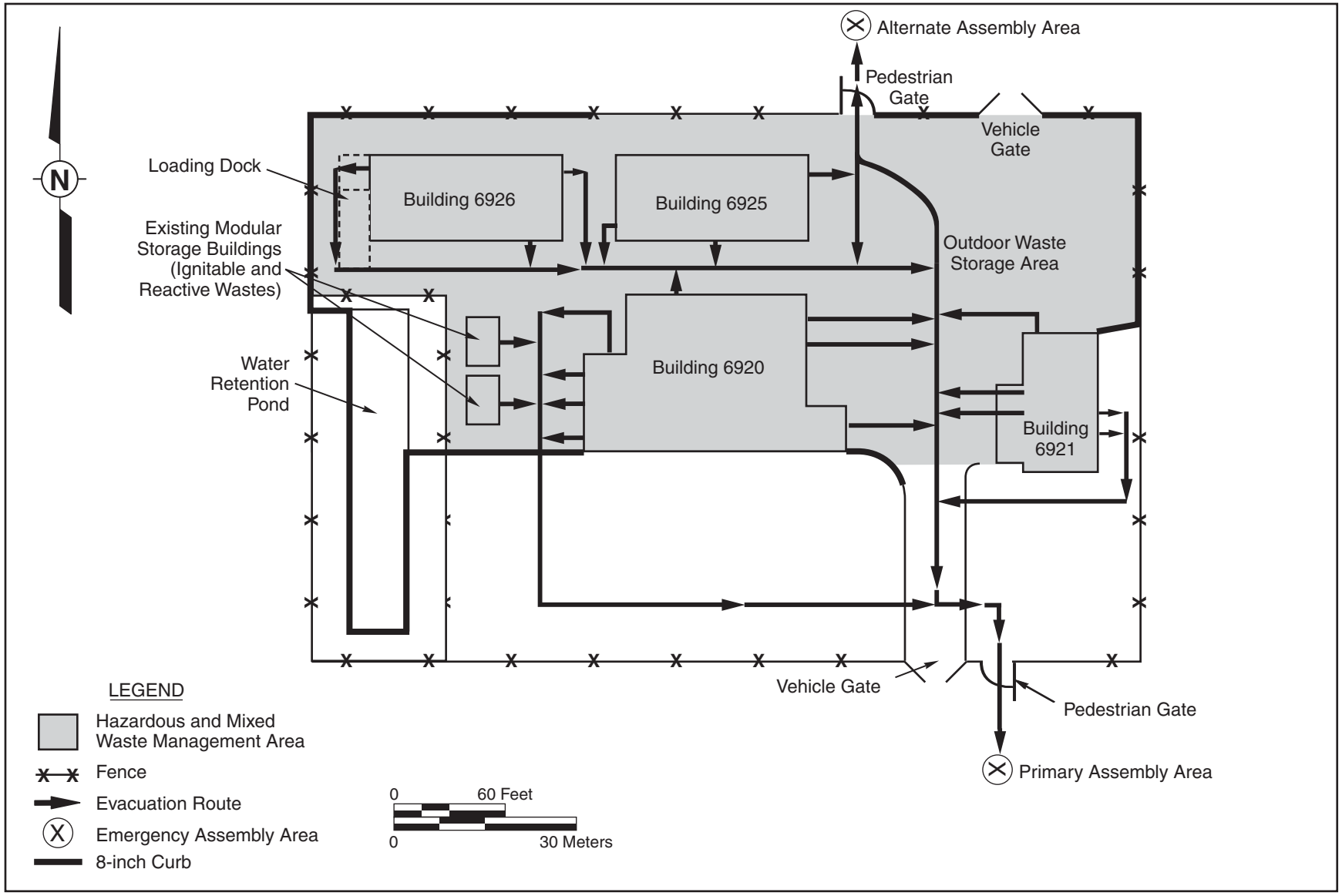


Figure 46

Radioactive and Mixed Waste Management Unit, Evacuation Routes

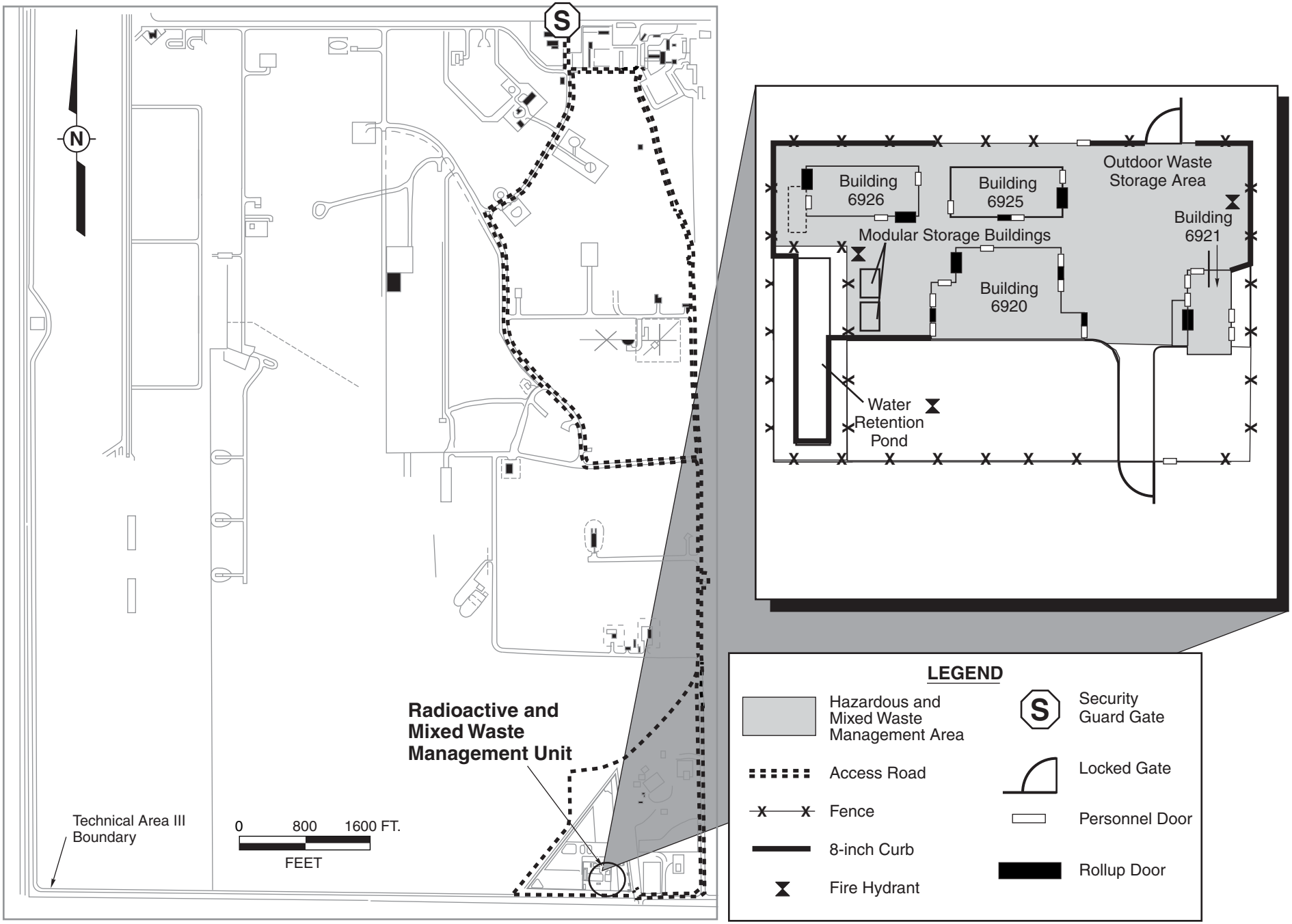


Figure 47

Radioactive and Mixed Waste Management Unit, Emergency Response and Access Information

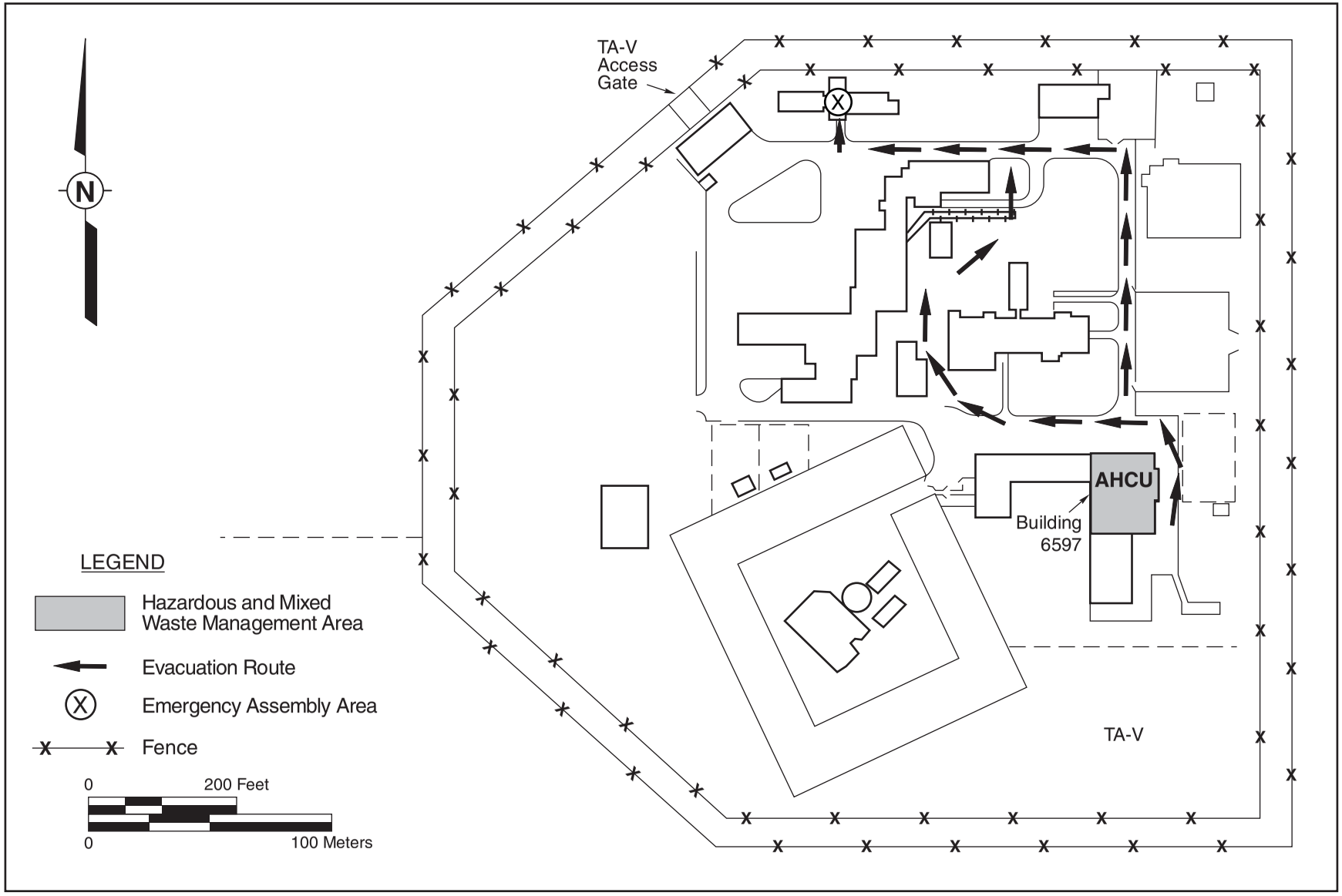


Figure 48
Auxiliary Hot Cell Unit (AHCU), Evacuation Routes

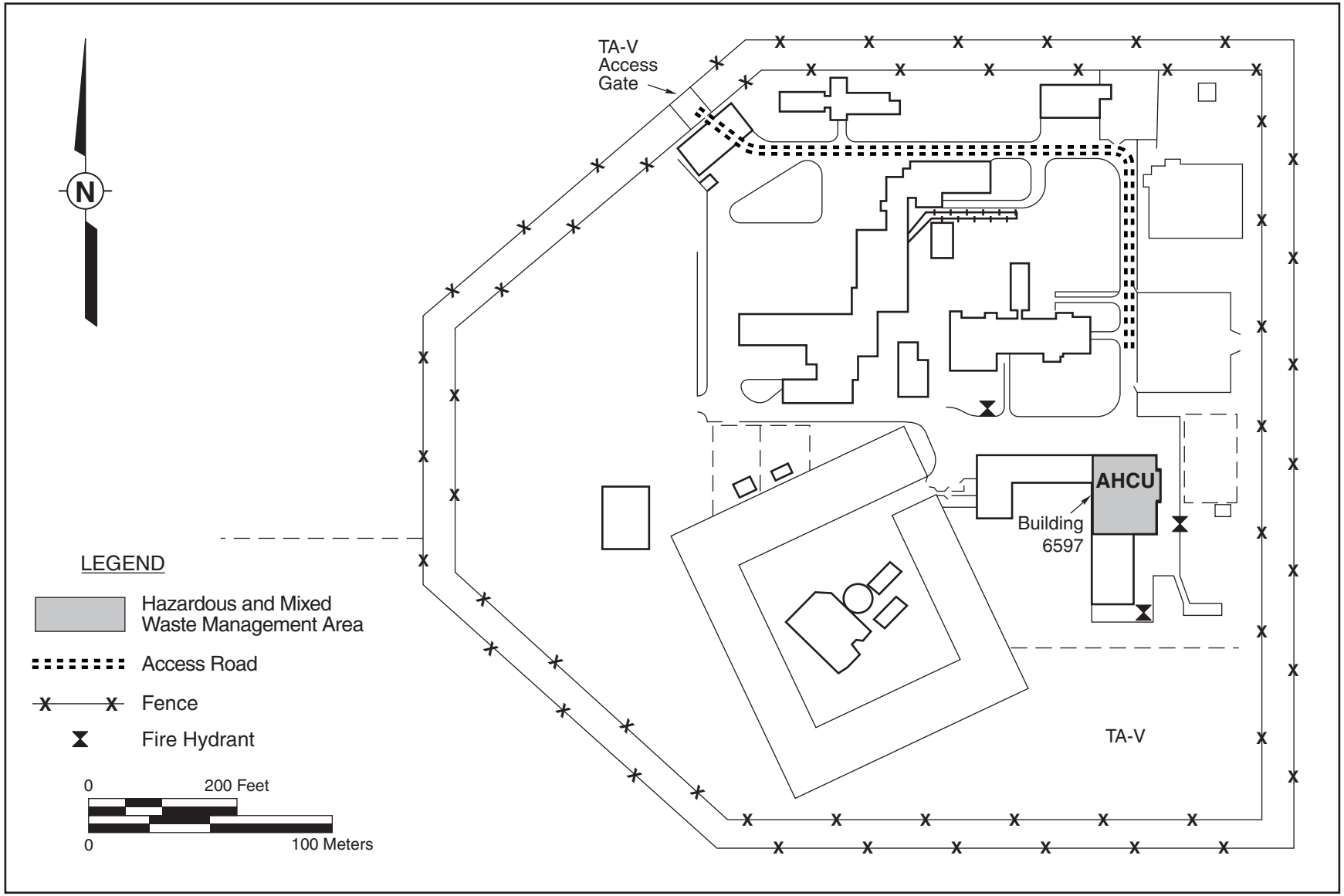


Figure 49

Auxiliary Hot Cell Unit (AHCU), Emergency Response and Access Information

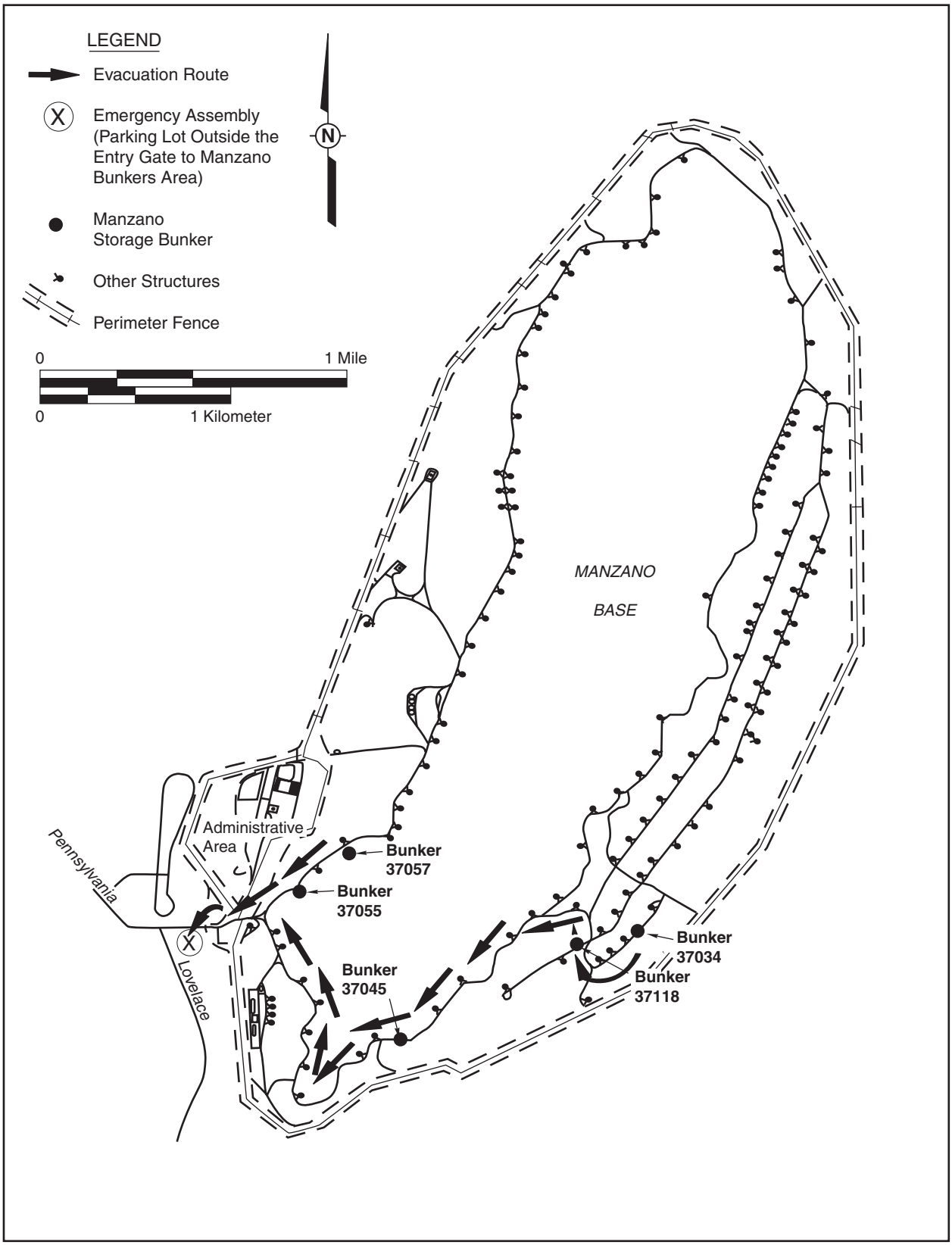


Figure 50
Manzano Storage Bunkers, Evacuation Routes

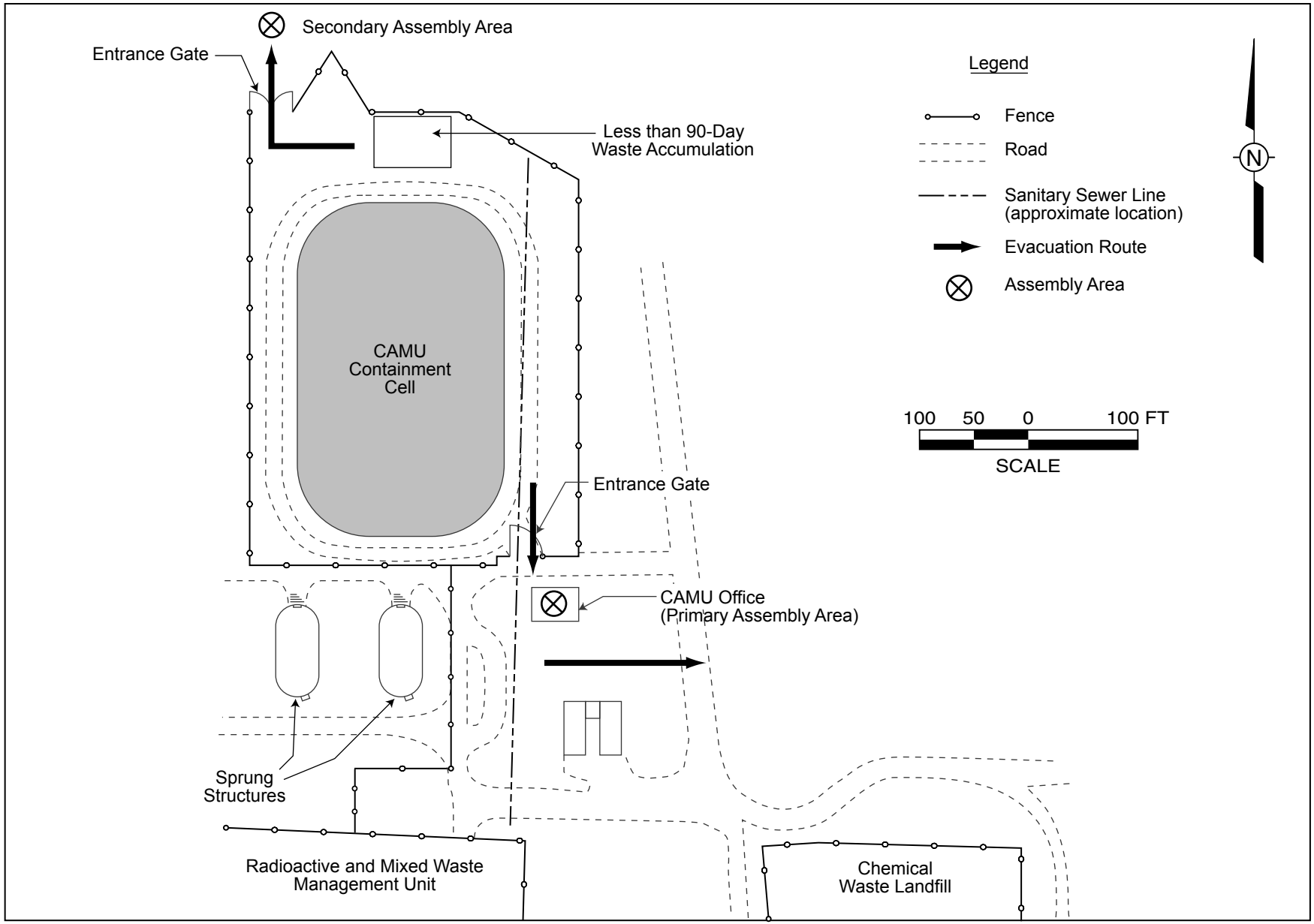


Figure 51

Local Area Map of Corrective Action Management Unit Containment Cell Evacuation Routes