

## Group D

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Group D Map

Building 4040



*Includes Building 4624, Fire Truck Canopy*

Parking Lot 4540

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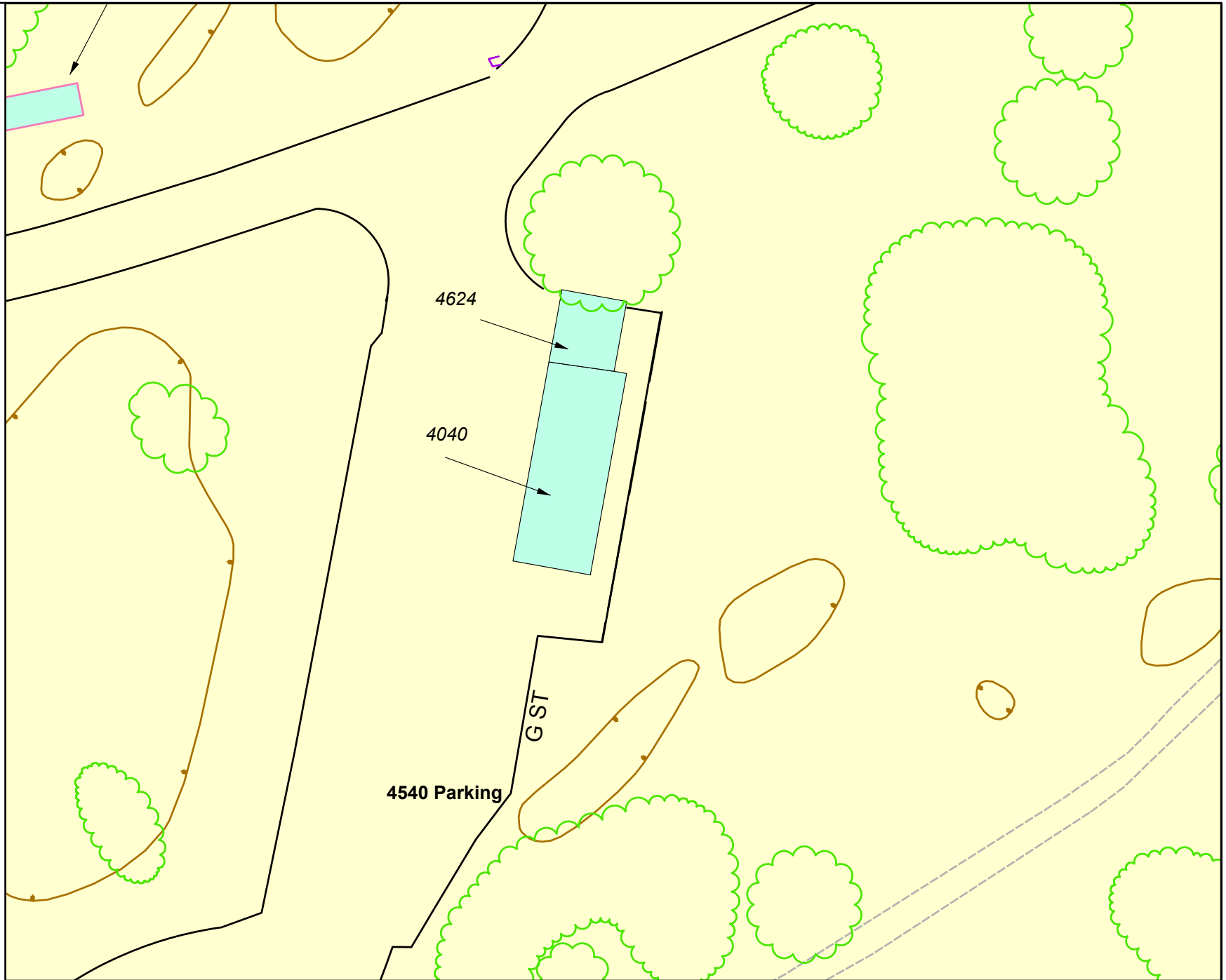
### Legend

**Labeled Features:**  
(Based on SSFL Documents  
as of October 2004)

-  Buildings/Sites:  
"Current"
-  Buildings/Sites:  
"Demolished"

#### Unlabeled Features:

-  Leachfield  
(Removed)
-  Tree
-  Rock
-  Concrete Curb
-  Gutter
-  Asphalt/Concrete  
Berm & Paving
-  Sidewalk
-  Dirt Road
-  Fence
-  Stream/Pond
-  Drain
-  Area IV Boundary

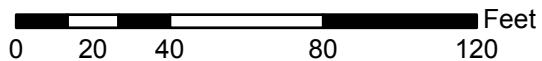


DRAWN BY:

**Sapere**  
CONSULTING INC



1 inch equals 50 feet



DATE:

May 2005

Site Summary Group D  
AREA IV  
Santa Susana Field Laboratory, CA

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## Site Summary – Building 4040

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### Site Identification:

Building 4040  
Protective Services Control Center  
Contaminated Medical Facility  
Facilities and Industrial Engineering  
Office Supply Storage  
Energy Technology Engineering Center (ETEC) Equipment Storage  
Includes Building 4624, Fire Truck Canopy

### Operational Use/History:

- Constructed in 1960 as an office building.<sup>1</sup>
- Building 4040 housed a health physics counting lab for an unspecified period of time.<sup>2</sup>
  - The lab used sealed check sources and a laboratory low-background alpha/beta counting system. This system would have been used for counting air samples and wipe samples with activities permitted under a blanket use authorization for health physics to use radiation-counting equipment.
- Demolished in 1997.<sup>2</sup>

### Site Description:

- Building 4040 was a 2,800-square-foot structure with steel walls, a steel roof and a concrete slab floor.<sup>1</sup>
- Building 4624, a fire truck canopy, was adjacent to Building 4040 and appears only on the 1962 Industrial Planning Map.<sup>3</sup>

### Relevant Site Information:

- Building 4040, housed sealed check sources and a laboratory low-background alpha/beta counting system, used for counting air samples and wipe samples. Such activities would have been permitted under a blanket use authorization for health physics to use radiation-counting equipment.<sup>2</sup> Sealed sources were checked annually to ensure that no leaks had occurred.
- There are no additional Use Authorizations and no Incident Reports associated with Building 4040.<sup>4</sup>

### Radiological Surveys:

- Direct frisk surveys were performed in February 1996 and survey results were below the acceptable limits.<sup>5</sup>

## Group D

- A smear survey was performed in February 16, 1996 and the survey results were below the acceptable limits (Acceptable Limits: 20 dpm/100 cm<sup>2</sup> alpha, 100 dpm/100cm<sup>2</sup> beta).<sup>5</sup>
- Ambient gamma was measured in 4040 on February 20, 1996. Levels between 10 µR/hr and 12 µR/hr were detected.<sup>5</sup>
- Direct frisk survey were performed in May 1, 1997, and survey results were below the acceptable limits (NDA).<sup>6</sup>

### Status:

- Building 4040 was demolished in 1997.<sup>2</sup>

### References:

- 1- DOE Document, N-083E-A02-DV001, Rev. A, "Site Development and Facility Utilization Planning FY 1984-FY 1989," April 1984.
- 2- Personnel Interview, Phil Rutherford, September 4, 2003.
- 3- SSFL Area IV, ETEC Industrial Planning Maps, 1962-1992.
- 4- Review of Radiation Safety Records Management System, 2003.
- 5- Rockwell International Internal Document, no document number, Radiation Survey Report, Building T040, 1996.
- 6- Rockwell International Internal Document, no document number, Radiation Survey Report, Building T040, 1997.
- 7- Historical Site Photographs from Boeing Database.

Photograph – Building 4040

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## Site Summary – Parking Lot 4540

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### Site Identification:

Site 4540  
Parking Lot

### Operational Use/History:

- Parking Lot 4540 was located directly south of Building 4040 and was used by personnel working in the building.
- Following the demolition of Building 4040 in 1997, Parking Lot 4540 was no longer used.<sup>1</sup>

### Site Description:

- Parking Lot 4540 was located directly south of Building 4040.<sup>2</sup>

### Relevant Site Information:

- There are no Use Authorizations and no Incident Reports associated with Parking Lot 4540.<sup>3</sup>

### Radiological Surveys:

- Radiological surveys specific to Building 4540 have not been conducted.<sup>1,3</sup>

### Status:

- Building 4040 was demolished in 1997. Parking Lot 4540 is no longer used.

### References:

- 1- Personnel Interview, Phil Rutherford, September 4, 2003.
- 2- SSFL Area IV, ETEC Industrial Planning Maps, 1962-1992.
- 3- Review of Radiation Safety Records Management System, 2003.

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