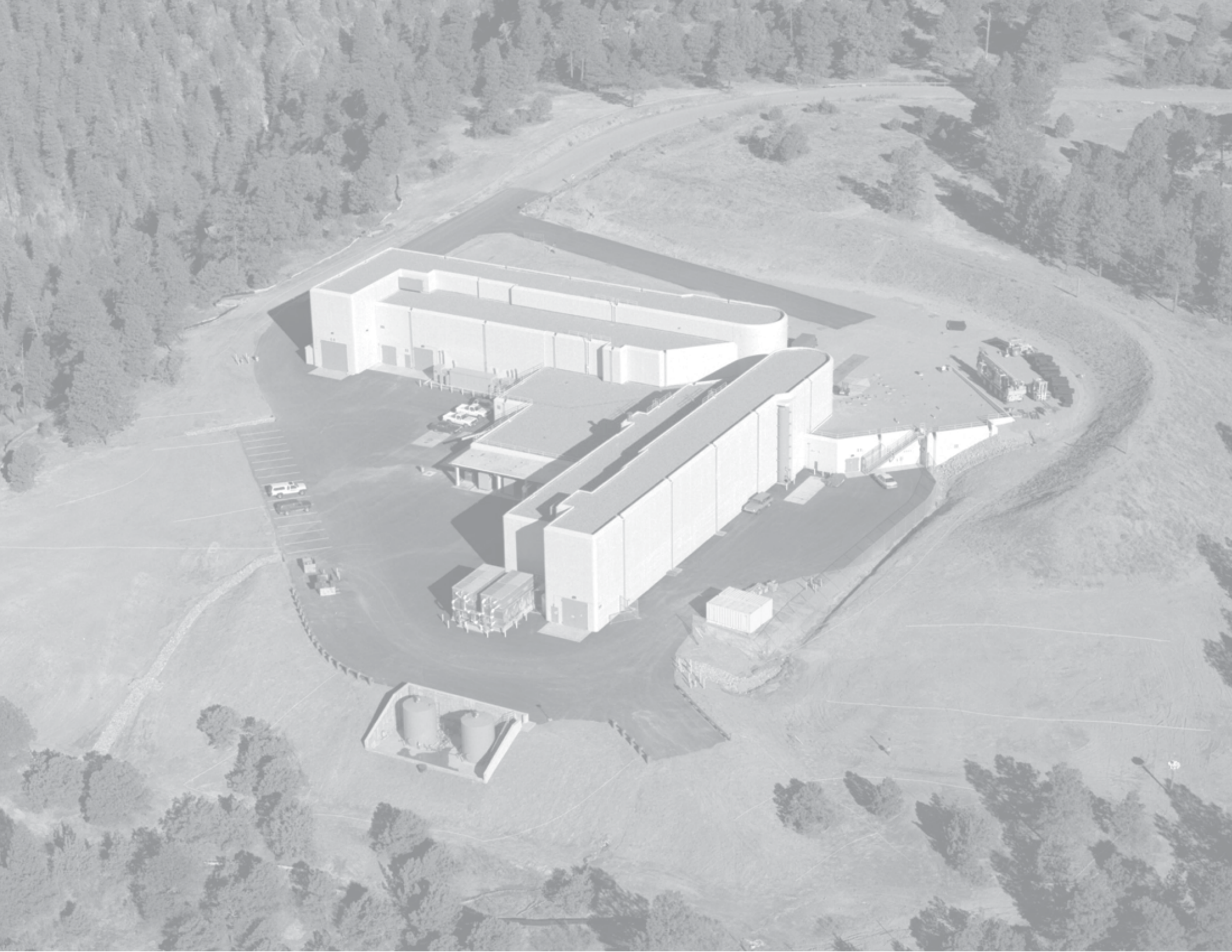# IV. GUIDELINES FOR SITE DESIGN

A. SITING

IV. GUIDELINES FOR SITE DESIGN

A well designed site results in cost-effective, resource conserving, safer, more secure and visually appealing development. The *Design Principles* identify clear guidelines for site development as part of implementation actions to achieve well designed sites at the Laboratory.

This section presents the major facets of site design. First is siting - the selection of a site and the arrangement of improvements on that site. Second is circulation - the connective systems that allow vehicular and pedestrian access and movement within the Laboratory and beyond.

Third is landscape elements - the detailed site improvements that humanize a site. All three facets require careful integration during the design process to create a distinct sense of place and a world-class environment for the Laboratory.

Siting Coordination

The thoughtful and thorough placement of improvements is fundamental to good site design. The *Design Principles* focus on general concepts, procedures and issues related to siting improvements including:

– Siting notification process
– Accountable design
– Building orientation and site design
– Site development program checklist
– Site analysis
– Security development issues
– Safety development issues
– Environmental /cultural resources development issues
– Utilities and utility corridors

Circulation

Circulation is the connective component of site design. It determines how and where people access and move about a site. A complete, connective, multimodal circulation network is the objective for this section. Five systems make up the circulation network. Those systems include:

– Road system
– Parking system
– Transit system
– Pedestrian system
– Bicycle system

Landscape Elements

Landscape elements are individual components of site design that make the site inviting, usable and visually interesting for staff and visitors. Landscape elements bring a human scale to site development.

The landscape elements addressed in the site design section include:

– Security elements
– Signage elements
– Exterior lighting
– Paving
– Site furnishings
– Planting design