

## II. IMPLEMENTATION

### A. PROCESS INTEGRATION

The *Design Principles* require a method for integration into the overall Laboratory development process. The *Design Principles* integration method relies on existing and proposed project review and development procedures conducted amongst the various Laboratory organizations.

The *Design Principles* are comprehensive in scope, ranging from site-wide to site-specific development guidance, and are applicable to major line item projects, general plan projects and ongoing maintenance projects. It is important to incorporate the *Design Principles* guidelines and standards at the earliest stages of a project proposal.

### B. DESIGN PRINCIPLES INCLUSION

Several entities administer and coordinate project development at the Laboratory. All project proposal, development, and review procedures should include the *Design Principles* as part of their project's criteria. The principles simplify and standardize development norms and avoid development at cross purposes.

Project Management Division (PM) is responsible for the Laboratory's comprehensive planning and development at the institutional level. The Project Management Group, PM-1 has the responsibility to administer and interpret the *Design Principles* process.

### C. DESIGN PRINCIPLES UPDATES

A review of the *Design Principles* every five years is recommended to maintain the document's effectiveness. Two important evaluation criteria for updates need to be applied.

#### 1. Major Mission or Program Changes

Changes in the Laboratory's operations or programs may render some aspects of the *Design Principles* inappropriate. When such a change occurs, the *Design Principles* should be reviewed to determine what modifications are needed.

#### 2. Effectiveness of the Design Principles

Evaluate all completed projects to determine if the *Design Principles* and its process are improving the Laboratory environment for function, safety, security and aesthetics. If improvements are apparent, no changes may be necessary. If the results are minimal or nonexistent, evaluation of the guidelines themselves or the implementation process may be in order.

## D. PROJECT DEVELOPMENT PROCESS

The following table illustrates when the *Design Principles* are applicable in the overall Laboratory development process.

Persons involved with project initiation management, design and/or construction should read and become familiar with the *Design Principles*, their application and procedures.

The PM-1 staff is available to assist with clarification of the *Design Principles* and project submittal procedures.

Table II-1: Project Review Process

