

## **Chapter 6**

### **Considerations in Preparing Landscape Planting Plans**

#### **6-1. General**

The engineering determination required (Chapter 4) and the adjustments made to that design (Chapter 5) will provide a guide in selecting the type of plants included in landscaping plans. Safety of the structure, including its effective maintenance, will be the most important consideration in determining the type, size, growth habit, quantity, and arrangement of plants. The extent and nature of landscape plantings will also be guided by the following considerations.

#### **6-2. Flood-Fighting and Structure Maintenance**

Flood-fighting and maintenance operations for levees, floodwalls, and dam embankments can be complex. These operations are affected by the selection, spacing, and quantity of plants in the landscape planting plan. Thus, in the design of planting plans, care must be taken to guard against creating additional maintenance and flood-fighting problems. A few well-selected trees and shrubs, placed in the right location, can often achieve the objectives of landscape planting (see paragraph 2-1). Large shrub masses and woody-type ground cover should be avoided at floodwalls and urban levee structures. Planting plans will be designed to permit inspection of structures from moving vehicles. Access for emergency repairs and replacements during flood fighting will also be taken into consideration.

#### **6-3. Maintenance of Plantings**

In designating the number of plants, the landscape architect should consider the ability of local interests or the Federal Government to maintain the planting horticulturally. Generally, maintenance-free plants will be selected.

#### **6-4. Selection of Plant Material**

Plants will be selected from approved plant lists prepared jointly by Division and District landscape architects in concurrence with the local sponsor or resource agencies. The list will include trees, shrubs, vines, and grasses. Plant lists should be prepared for specific structural conditions, or needs, such as structurally unrestricted areas, overbuilt sections adjacent to the basic structure where special measures for planting are not required, and plant containers.