

Hard Surface Storage. Table VI-2 lists the maximum and normal average depths for the various types of uses where detention ponding is normally located. The maximum depth of ponding refers to the depth of water at a low point, typically for draining the detention pond. Except for roof top ponding, in both instances it is assumed that a particular use area is not fully covered by stormwater thereby allowing movement through any area during and after a runoff event.

TABLE VI-2  
MAXIMUM AND NORMAL DEPTHS OF  
PONDING HARD SURFACE DETENTION FACILITIES

<u>Type of Area</u>	<u>Average</u>	<u>Maximum</u>
Roofs	3	4*
Parking Lots	6	9
Storage Areas	6	12
Plazas	3	6
Storage Parking Lots	6	12

\* Greater maximum ponding depths are possible, however, the structural design of the roof must account for the greater loading.

Vegetated Surface Storage. For passive recreational and open space areas, there are no limits as to depths which are more logically determined by topography and the storage volume required.

For high intensity recreation areas, the maximum allowable average depth is 5 feet. In instances where this criteria requires too much land be acquired to attain the required storage volume, it is recommended that terracing be used. The high intensity recreation activities can be located on the highest level where the maximum depth criteria can be met.