Figure 4.57 Photograph of arbor.

Eccentric loading on footings may result in footing failure. In most cases it is recommended to keep the weight of the wall in the center third of the footing (see Fig. 4.62). Shifting the wall toward either side of the footing increases the load on that portion of the footing and increases the instability of the wall. In such a condition, there is concern with exceeding the strength of the soil either because of the weight or because of the increased pressure as a result of the wind load.

Serpentine brick walls have been used in gardens since at least the 1700s and are found in many historic gardens. These walls are illustrated in Figs. 4.63 through 4.66. Besides being decorative, the serpentine wall has additional lateral strength because of the configuration. To keep that strength, it is critical, however, that the wall be carefully designed and constructed. The radius of any