

KUWAIT GREENERY PLAN AND KUWAIT NATIONAL NURSERY

Safat, Kuwait

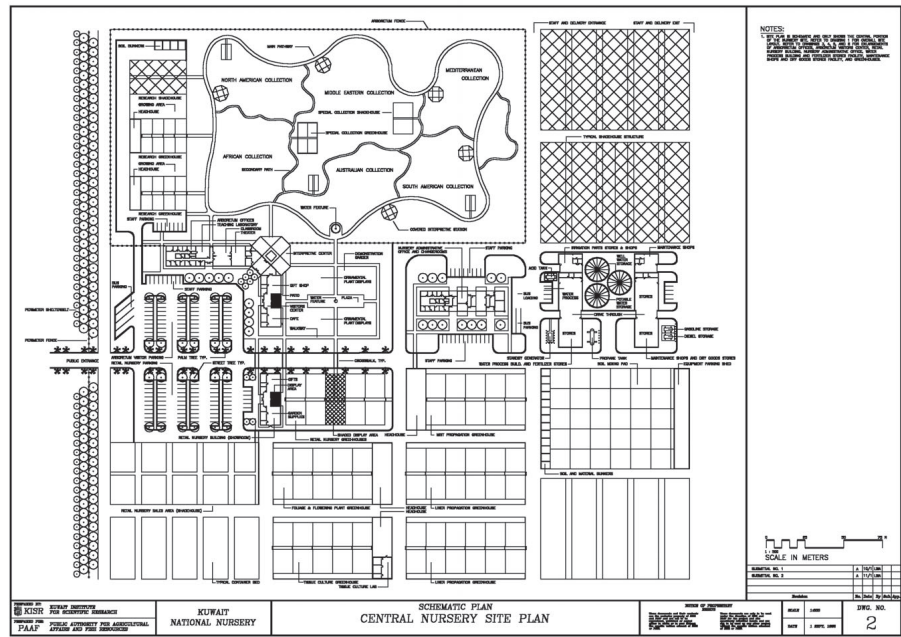
Client

Kuwait Institute for Scientific Research
Safat, Kuwait

Project Budget

\$39 million
Kuwait National Nursery

\$600 million
Kuwait Greenery Plan



The Kuwait Institute for Scientific Research (KISR) was vested with the responsibility to develop a national greenery plan, a program to re-vegetate the country with greenbelts to slow the desertification process, landscape and beautify major freeways and arterials, and to develop parks and public recreational facilities. To support the demand for plants needed for a program of such magnitude, KISR determined the need to construct a national nursery to propagate and procure the plants and also to hold and maintain them. Based on the firm's landscape and horticultural experience in the Middle East, Lee-Wolfe and Associates (LWA) was selected to provide the professional services for the National Greenery Plan and the National Nursery Complex, the latter to include a Botanical Garden (arboretum and demonstration garden) as a research and educational component.

For the National Greenery Plan, LWA prepared master specifications in CSI format for the planting work, irrigation systems, landscape maintenance and master contract documents. In addition, we prepared operations and maintenance manuals, and standard CAD irrigation details for both landscape construction and maintenance. These documents were prepared for use as standards for the implementation of the 91,000-hectare National Greenery Program developed by KISR in-house staff.

For the National Nursery and Botanical Garden Complex, LWA prepared a Master Plan and Report including a feasibility study and economic analysis, construction, and operations budgets, staffing plans, CAD drawings, project specifications, along with manufacturer's literature for a 50-hectare compound. The Nursery facilities included an office/laboratory/classroom building, irrigation mechanical and warehouse building, greenhouses, shade houses, and container beds. The nursery was sized to meet the 15-year National Greenery Plan requirements of 100M plants and annual production quantities of 7.3M 1-gallon, 0.7M 5-gallon, and 42K 15-gallon plants.



Lee-Wolfe & Associates

The Visitors Pavilion is the entry to the Botanical Garden and opens to trails that meander through the numerous zones, each dedicated to showcasing plants from ecological regions of the world. Smaller view pavilions are strategically sited throughout the garden for rest and enjoyment of the plantings.