

LIBYA-DARNAH TOWN INFRASTRUCTURE PROJECT

LANDSCAPE DEVELOPMENT PLAN

INVENTORY-ANALYSIS-CONCEPT PLAN

PROJE EKİBİ

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Öz

Derne Kenti Peyzaj Gelişim Planı, eski resmi adı Libya Sosyalist Halk Cumhuriyeti'nin Konut Gelişimi ve Alt Yapı Programının bir parçası olarak 2010 yılında hazırlanmıştır. Peyzaj Envanter ve Analizi ile birlikte Kavramsal Peyzaj Planı "Alt Yapı Projeleri Tasarım Kriterleri Kılavuz Belgesi" (AECOM, 2009) esas alınarak gerçekleştirilmiştir. Kesinleştirilmiş peyzaj projelerinin hazırlanmaya başladığı sırada Libya'da baş gösteren iç savaş nedeniyle projelendirme durmuştur. Alt yapı projelerinin uygulanması işini Özaltın İnşaat yürütürken, projelendirme işleri Temelsu şirketi tarafından yürütülmüştür. Peyzaj planlama ve tasarım işlerini bir AR-GE projesi kapsamında yürüten AZTATEK firması ise Ankara Üniversitesi Teknoloji Geliştirme Bölgesi şirketlerindedir. Sözü geçen peyzaj projeleri ile **Derne Kenti Açık ve Yeşil Alan Sistemi** tanımlanmıştır. Türk peyzaj mimarları tarafından ve yukarıda belirtilen rehber kılavuza göre hazırlanan projelendirme işi ülkemizde hala mekânsal planlama sürecinde yerini alamamıştır.

Introduction

Darnah Town Landscape Development Plan is a project requirement of Libya-Darnah Town Infrastructure project. Landscape Inventory and Analysis, and Landscape Concept Plan were prepared in the scope of "Guidance Document Design Criteria for Infrastructure Projects" (AECOM, 2009) requirements. The infrastructure works of Darnah Town was under the scope of Libya Housing and Infrastructure Program of Old The Great Socialist People's Libyan Arab Jamahiriya, Housing and Infrastructure Board (HIB). Özalın Construction Trade and Industry Inc. was the contractor firm for design and construction works of the town Darnah, and Temelsu International Engineering Services Inc. was responsible to realize the design part of the works. AZTATEK was the sub-contractor for landscape planning and design works.

Inventory and Analysis



Landscape analysis works and mappings were realized to be able to define potentials and risks considering development and protection demands. Landscape analysis works also included a photographic survey realized in whole city (between 12nd and 17th December 2009) particularly in open and green areas as well as along the streets.

Concept Plan

The components of open-green infrastructure context of the city were classified in accordance with ecological and social requirements of the city. The whole open-green infrastructure were grouped into two main landscape type as below. Each landscape, then, classified in accordance with their functional content, surface area and serving distance.

1. TOWN LANDSCAPE
2. STREETScape

Open and green areas classes	Surface area that will be irrigated (Approx. m ²)		Suggested irrigation system/ Temporal irrigation requirement	
	Grass coverage	Trees & scrubs coverage	Grass coverage	Trees & scrubs coverage
Class I: Anthropo-centric landscape (It is presumed that 10% of the total area of that class is grass cover; 90% of that area is trees and scrubs cover)				
• 1a. URBAN PARK				
• 1b. COMMUNITY PARK	285.000	2.565.000	Spray Irrigation/ Permanent	Drip Irrigation/ Temporal (first three years will be regularly irrigated, than only in extreme conditions)
• 1c. NEIGHBORHOOD PARK				
• 1d. POCKET PARKS				
• SEASIDE PARKS				
• WADI DARNAH STREAM CHANNEL				
• STREETScape**				
Class II: Eco-centric landscape (no grass cover)		150.000		
• VALLEY LANDSCAPES				
Sub- Total	285.000	2.715.000		
TOTAL		3.000.000 m ²		

Month	Water requirements for irrigation (mm/day)	
	grass cover	trees & scrubs cover
January	6.3	3.5
February	7.5	5.2
March	6.7	5.2
April	2	-
May	4.3	1.6
June	6.3	3.5
July	7.5	5.2
August	6.7	5.2
September	3.7	5.3
October	0.8	1
November	-	-
December	-	-

