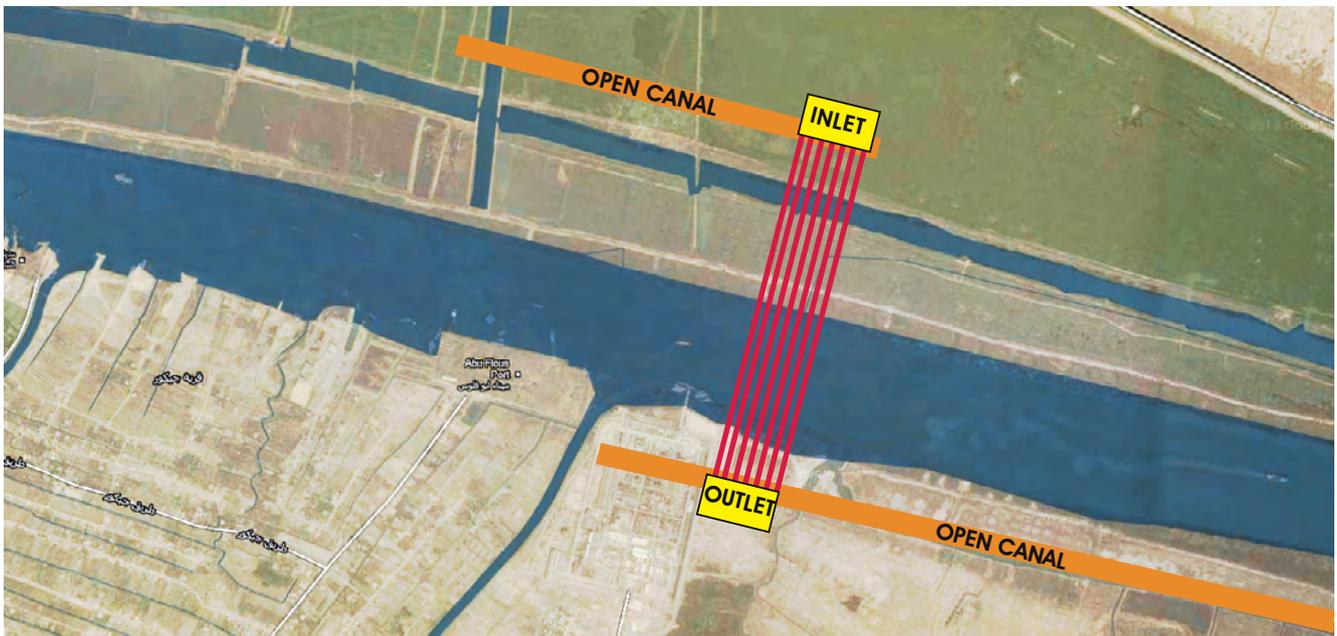


HDD, PILING WORKS & CIVIL ENGINEERING

Construction of Siphon of Shatt Al-Arab and Appurtenant Structures

UTILITIES - WATER • IRRIGATION • AGRICULTURE • LARGE DIAMETER HDD • DRIVEN PRECAST PILES • WATER TANKS



Client

General Commission for Irrigation & Reclamation Projects - Ministry of Water Resources, Iraq

Consultant

Design & Studies Centre - Ministry of Water Resources

Main Contractor

NSCC International

Location

Basra, Iraq

Start Date

September 2012

Expected Completion Date

October 2013

Project Details

The project is located in the south of Abu-Floos sea port in Basra and comprises execution of main siphon structure for Shatt Al Arab with discharge of 20 m³/sec.

Scope of Works

1. Upstream structure of the siphon basin made of reinforced concrete, built on pre-cast concrete piles. The basin will contain seven roller gates, protective screens, stop logs, steel trash racks, as well as lifting devices and related electrical equipment.
2. Downstream structure of the siphon basin made of reinforced concrete and raft foundation.
Both the above (1 & 2) include excavation and dewatering works, supply of materials, filling and compaction.
3. Installation of seven 48" diameter carbon steel pipelines, using two 350 ton drilling rigs, by Horizontal Directional Drilling method. These pipelines are 10 m apart, installed at a depth 15 m under the river bed. The length of each crossing is 1,275 m.