

FOUNDATION ENGINEERING

Al Hammam Pumping Station 1 & 2 Agricultural Wastewater Treatment Project

UTILITIES • AGRICULTURE • DIAPHRAGM WALL



Client

Engineering Authority of the Armed Forces

Consultant

A&A Consultants

Main Contractor

Hassan Allam Construction

Location

Alexandria, Egypt

Start Date

March 2022

Completion Date

October 2022

Project Details

These two pumping stations are part of the New Delta Project in Egypt, the largest of its type in the world. The two mega pump stations will have a capacity of lifting up to 5 million cubic meters per day and will deliver water to the agricultural drainage treatment plant in Hammam - West Alexandria over a distance of 115 km.

Diaphragm Wall

Length : 625 m
Depth of wall : 23-30 m
Retained height : 8-22 m
Thickness : 1,000 mm

Concrete volume : 16,000 m³
Reinforcement steel : 1,770 tons

Slurry Wall

Length : 29 m
Depth of wall : 15 m
Thickness : 1,000 mm
Slurry volume : 435 m³