



# Geotechnics

## Curriculum Vita

MARINE WORK RELATED PROJECTS

[www.geotechegypt.com](http://www.geotechegypt.com)

# Who We Are



**Geotechnics** is a group of engineering consultants specialized in combined **Geotechnical**, **Structural** and **Marine** Projects.

# Mission



Our **design philosophy** stand firm on **value engineering**

- ▶ maximize the value of the design through a systematic and rigorous process.
- ▶ Design alternatives are reached through accurate field work, sufficient data collection and employing the most recent and advanced analysis methods
- ▶ Through value engineering the cost components of the design is optimized to provide the required lifetime of the design in the best economic fashion

# Scope



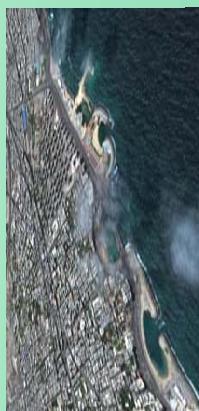
## Marine Engineering

- Harbor and Terminal planning.
- Design of quay walls, breakwaters and dredging.
- Design of Offshore Structures and facilities.



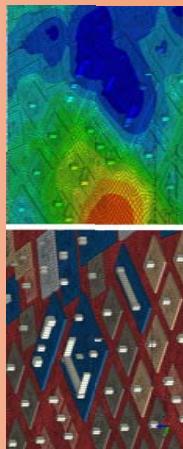
## Shore Protection Engineering

- Design of shore protection breakwaters, revetments groins and beach management.
- Monitoring of Wind, Wave and Environmental parameters.



## Geotechnical Engineering

- Perform geotechnical testing and investigations.
- Design of foundation systems, retaining systems, deep structures,
- Design of infrastructure, roads and dewatering.



# Staff



- **3** PhD Lead Consultants, (+25 Years Experience)
- **6** MSc Design Engineers, (+8 Years Experience)
- **8** Supporting Office Engineers
- **+10** Field Engineers Team, (+15 Years Experience)
- **+10** Field Support Team, (+10 Years Experience)

# Key Personnel



## ► Bahaa Eldin Ahmad Alsharnoubi, Ph.D. P.E.

Lead Consultant

Professor of Marine Engineering

Transportation Engineering Dept., Alexandria University

**PhD**, Civil Engineering, May 1996, University of Western Ontario, London, Canada

**MSc**, Civil Engineering, May 1993, McMaster University, Hamilton, Ontario, Canada

**BSc**, Civil Engineering, June 1974, Alexandria University, Alexandria, Egypt

Key Positions Held:

Department Head, Transportation Engineering Department, Alexandria University, Egypt

# Key Personnel

## ► Hassan M Abouseeda, Ph.D. P.E.

Principal , Geotechnics

Professor of Geotechnical and Marine Engineering

Structural Engineering Dept., Alexandria University

**PhD**, Civil Engineering, May 1996, Rice University, Houston, Texas, USA

**MSc**, Civil Engineering, May 1993, Rice University, Houston, Texas, USA

**BSc**, Civil Engineering, May 1989, Alexandria University, Alexandria, Egypt

Key Positions Held:

Senior Consultant, Fugro McLellan Marine Geosciences, Houston, Texas, USA

Senior Consultant, Mustang Engineering, Houston, Texas, USA

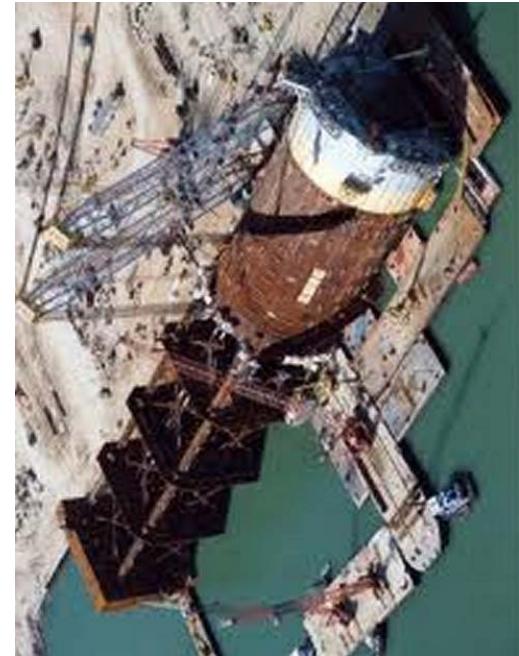


# Dr. H. Abouseeda Key Projects

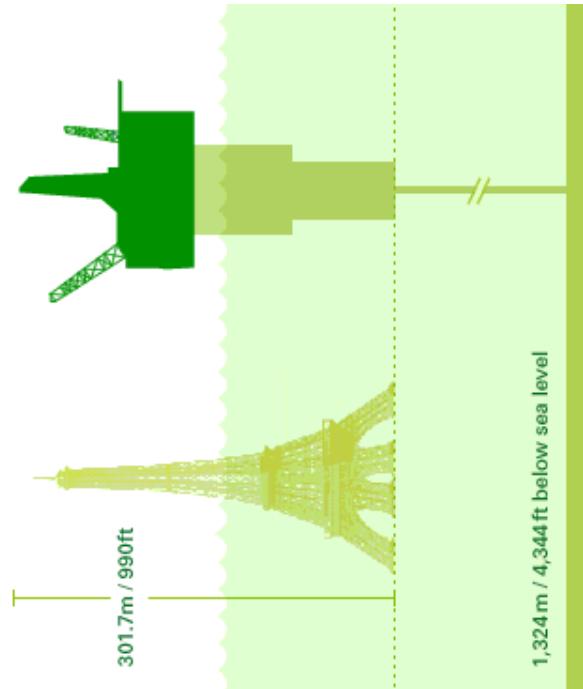
## ► Hassan M Abouseeda, Ph.D. P.E.

Key Projects:

BP Holstein, Gulf of Mexico, 2004



BP's Holstein deep-water platform



# Dr. H. Abouseeda Key Projects



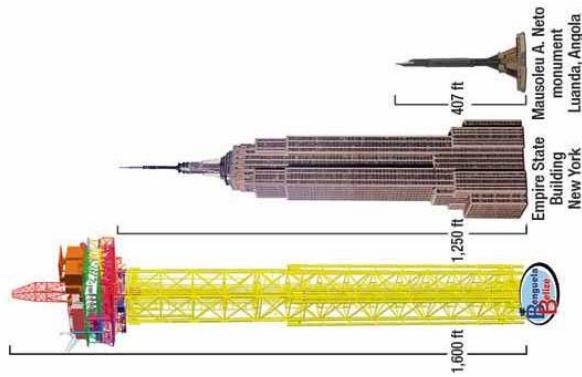
## ► Hassan M Abouseeda, Ph.D. P.E.

Key Projects:

BP Mad Dog, Gulf of Mexico, 2006



# Dr. H. Abouseeda Key Projects



## ► Hassan M Abouseeda, Ph.D. P.E.

Key Projects:

Chevron Benguela Belize, West Africa, 2007



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# Geotechnics Key Projects



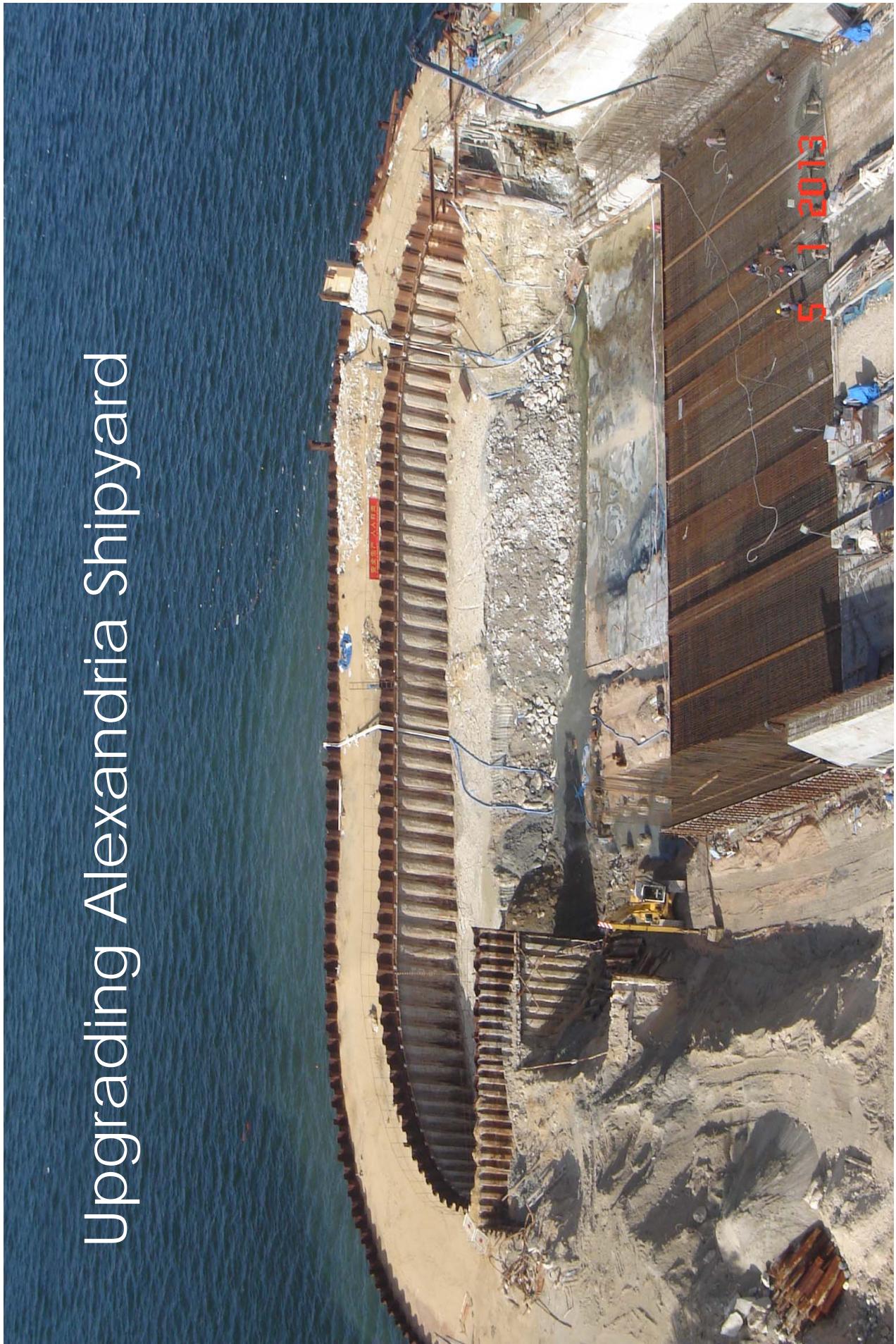
## Upgrading Alexandria Shipyard

- 2010 – 2013(expected)
- 1.2 Billion EGP
- Design Review, Supervision

# Upgrading Alexandria Shipyards



# Upgrading Alexandria Shipyard



# Upgrading Alexandria Shipyard



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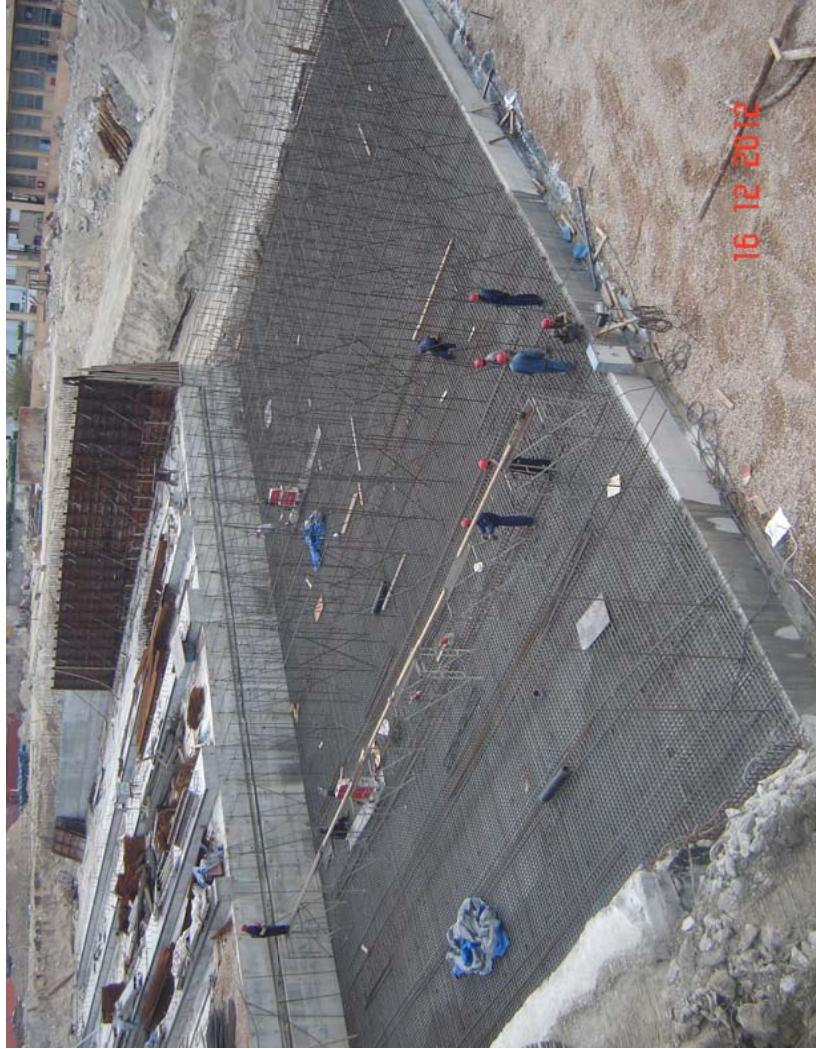
# Upgrading Alexandria Shipyard



20/11/2012



# Upgrading Alexandria Shipyard

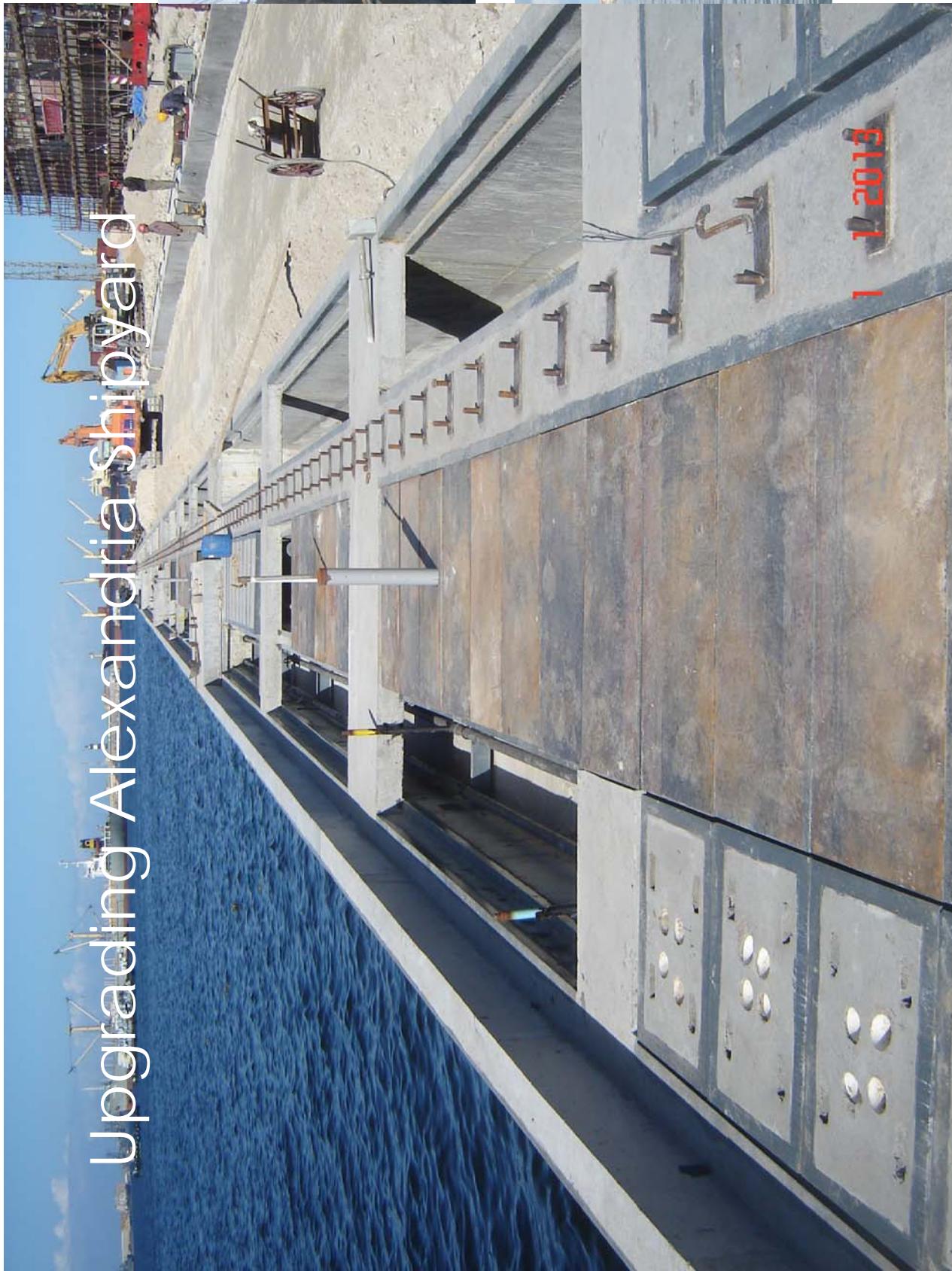




# Upgrading Alexandria Shipyard



# Upgrading Alexandria Shipyard

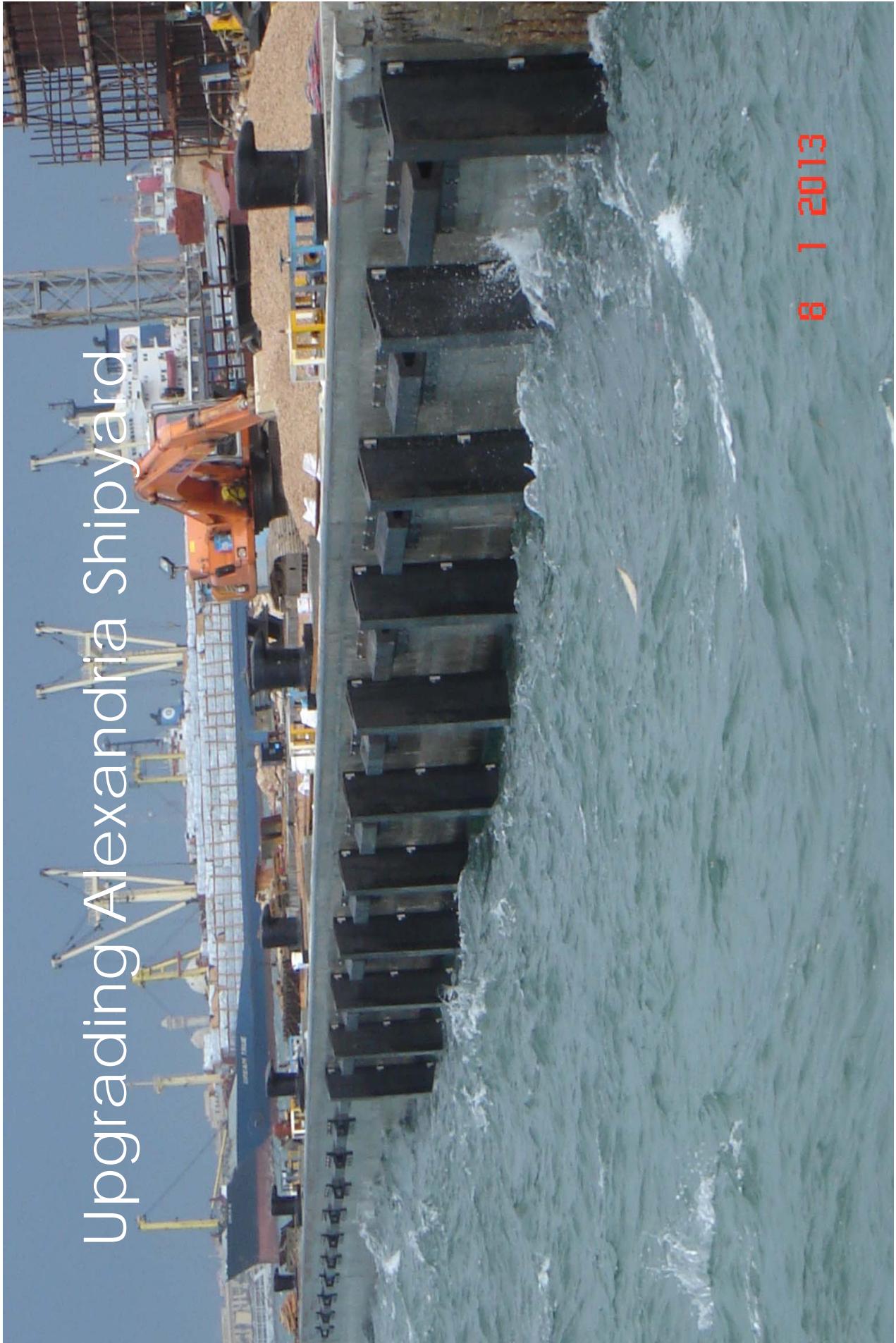




Upgrading Alexander



# Upgrading Alexandria Shipyard



8 1 2013



# Upgrading Alexandria Shipyard



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# Upgrading Alexandria Shipyard



# Upgrading Alexandria Shipyard



# Key Projects

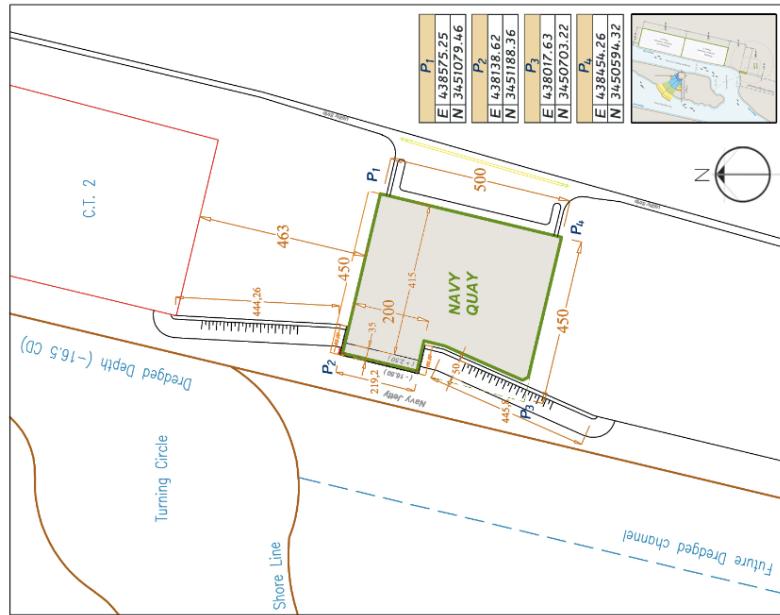


## Container Terminal

### Eastern Channel – Suez Canal

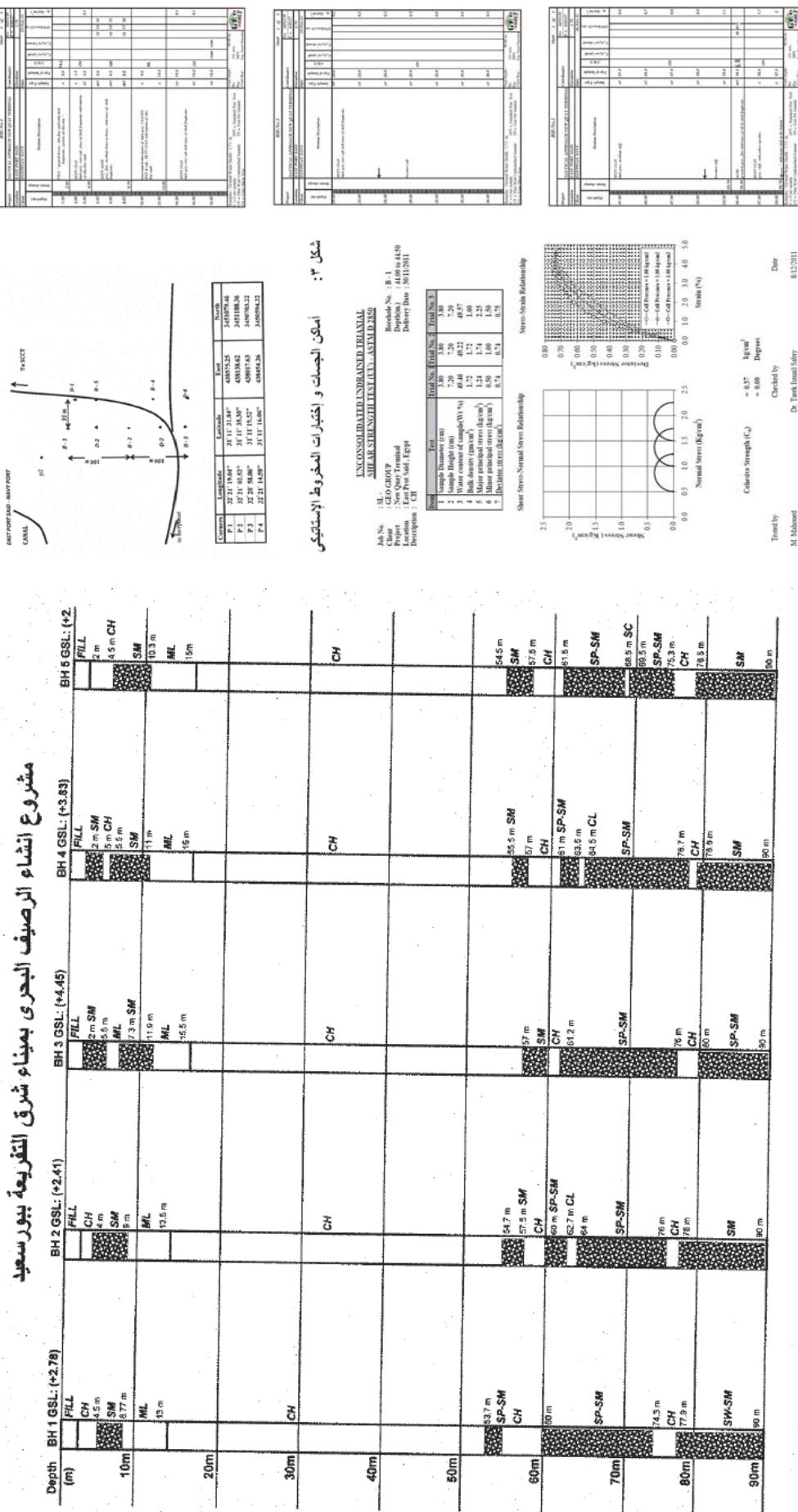
- 2014(expected)
- 1.5 Billion EGP
- Design, Tendering

# Container Terminal - Eastern Channel – Suez Canal

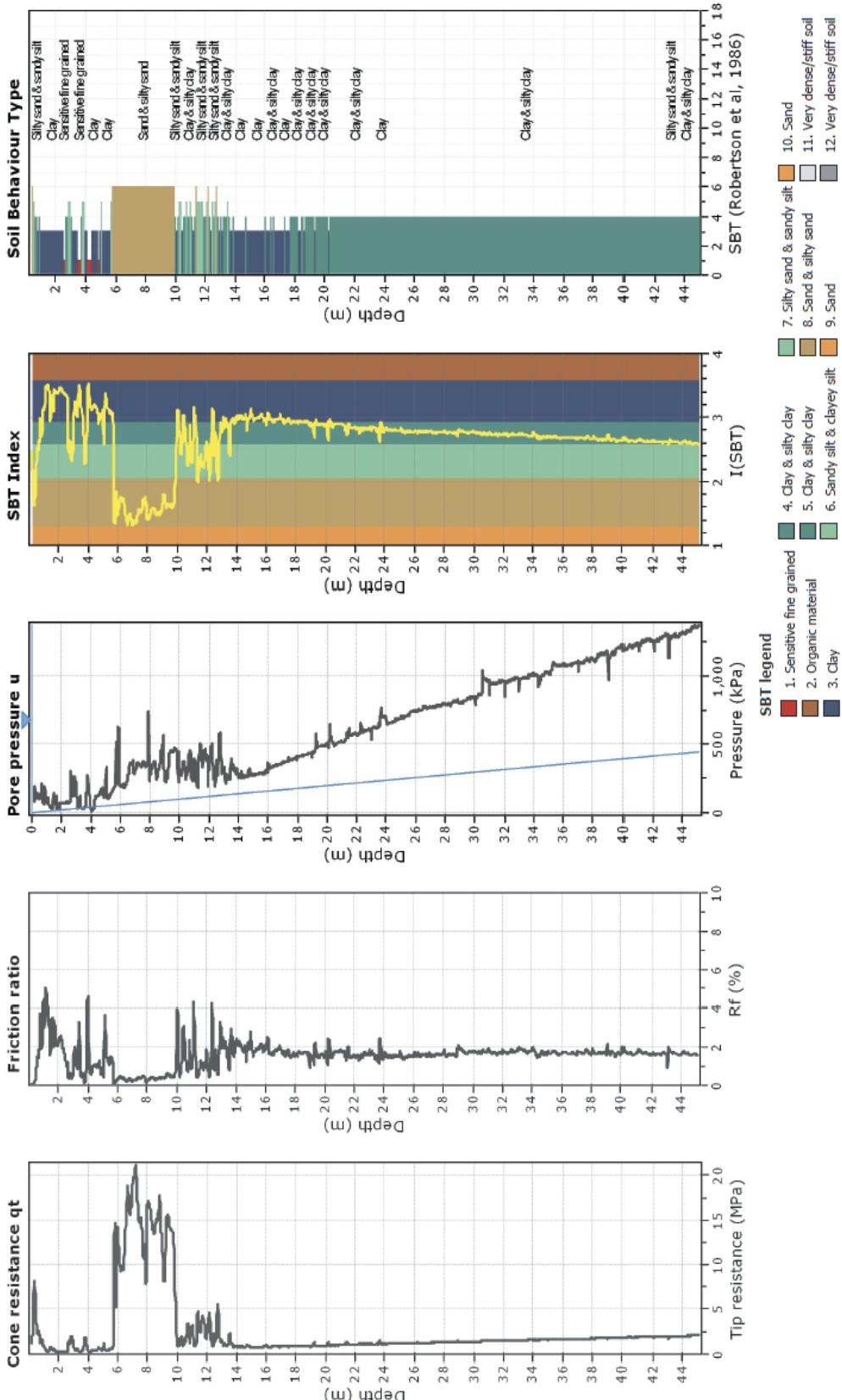


# Container Terminal - Eastern Channel – Suez Canal

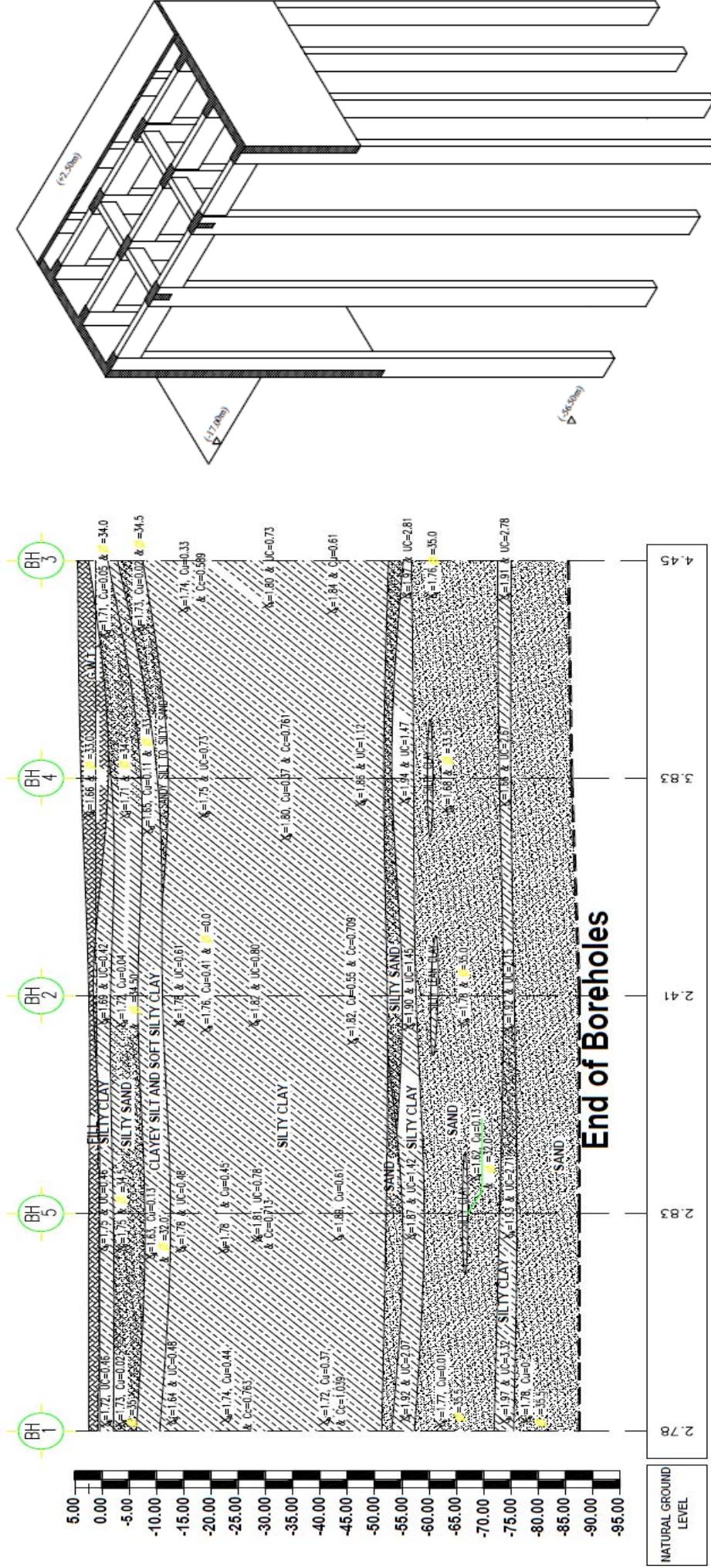
## مشروع إنشاء الرصيف البحري بمنطقة شرق التفريعة ببور سعيد



Container Terminal - Eastern Channel – Suez Canal



## Container Terminal - Eastern Channel – Suez Canal

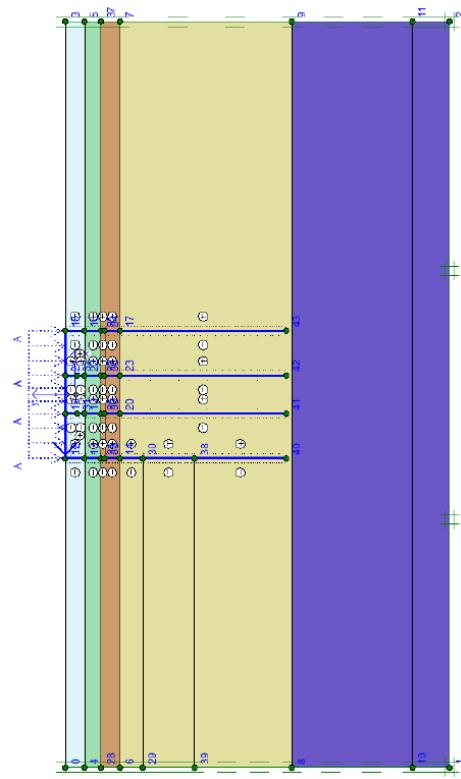
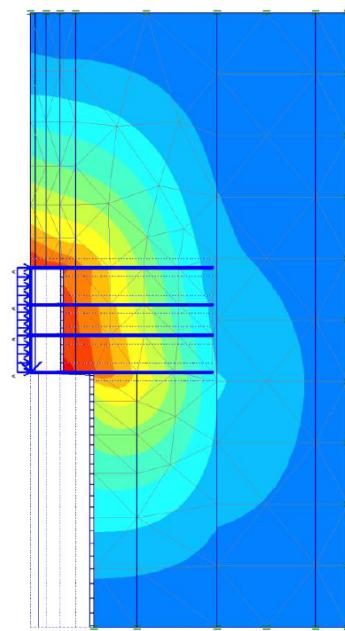
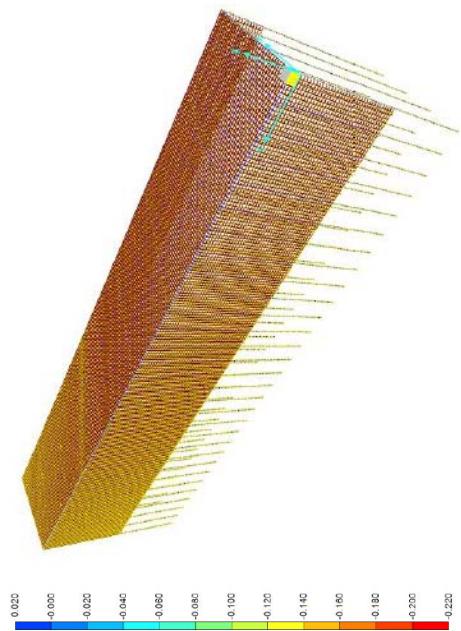
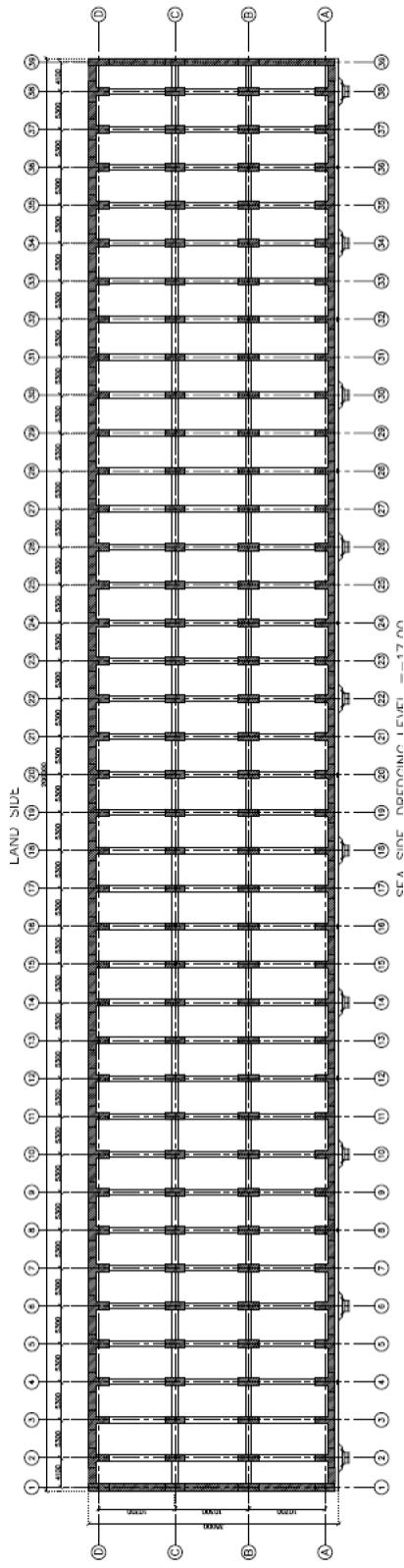


**Figure No.(3) Lithological Soil Profile Through the Conducted Boreholes**

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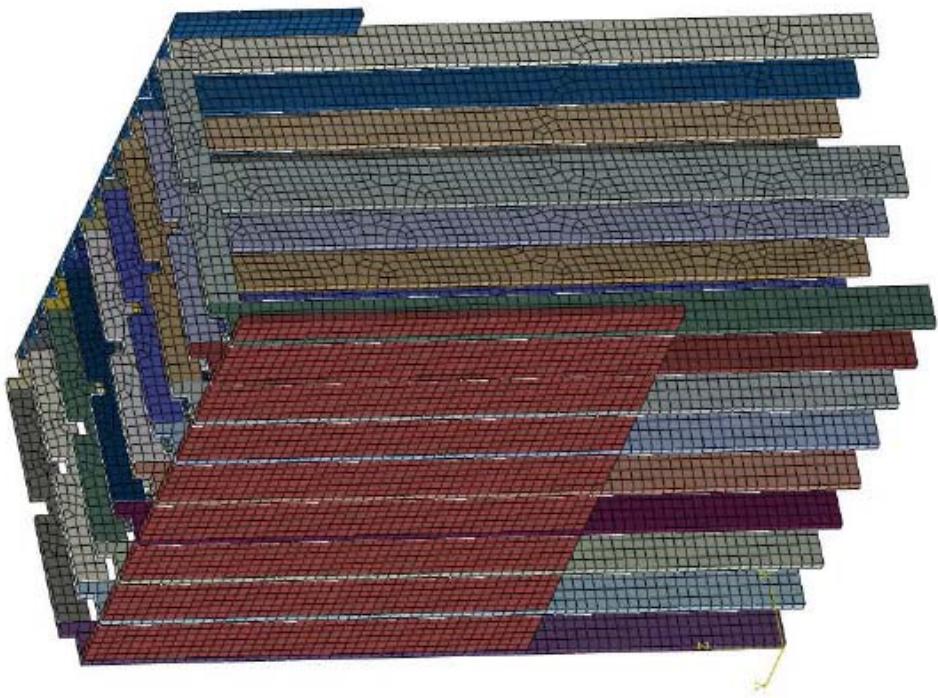
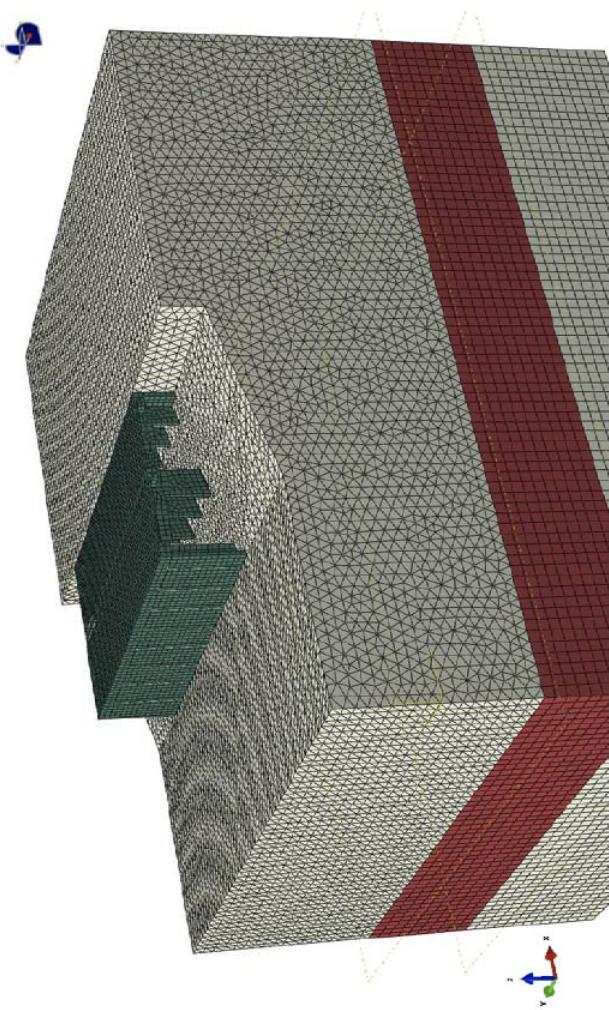


Container Terminal - Eastern Channel – Suez Canal

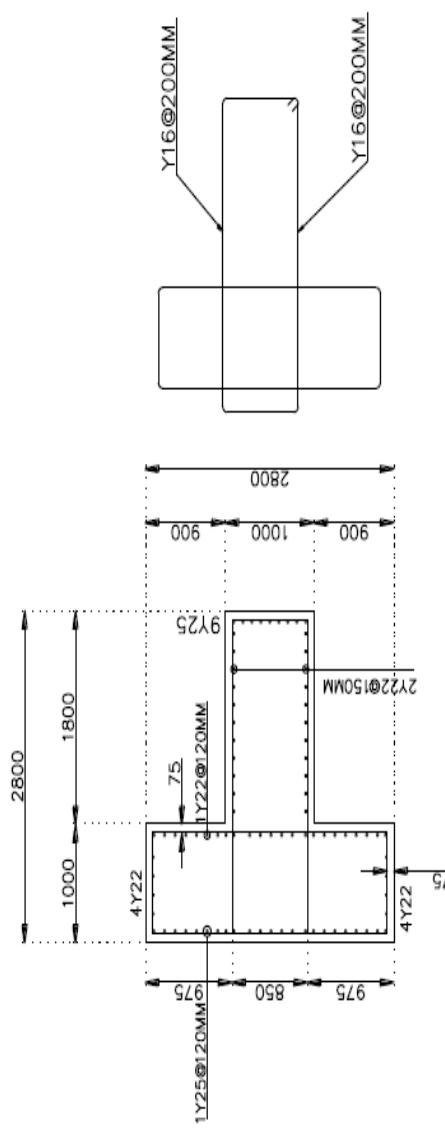
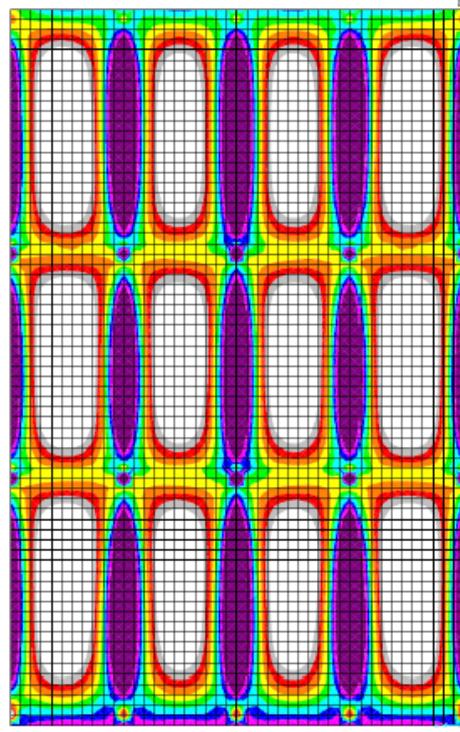
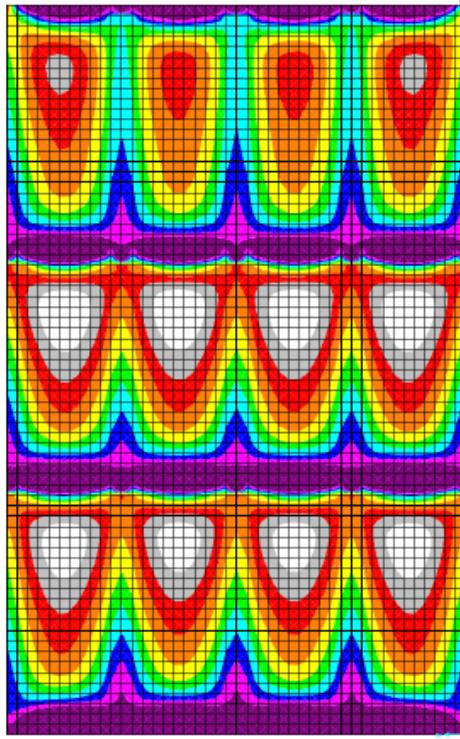
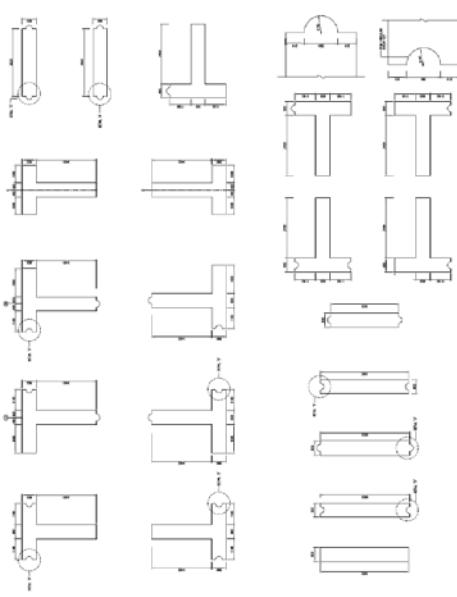


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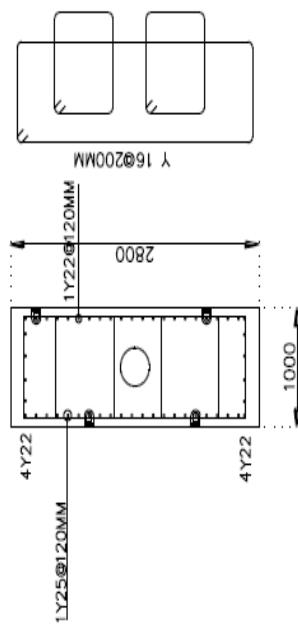
# Container Terminal - Eastern Channel – Suez Canal



# Container Terminal - Eastern Channel – Suez Canal



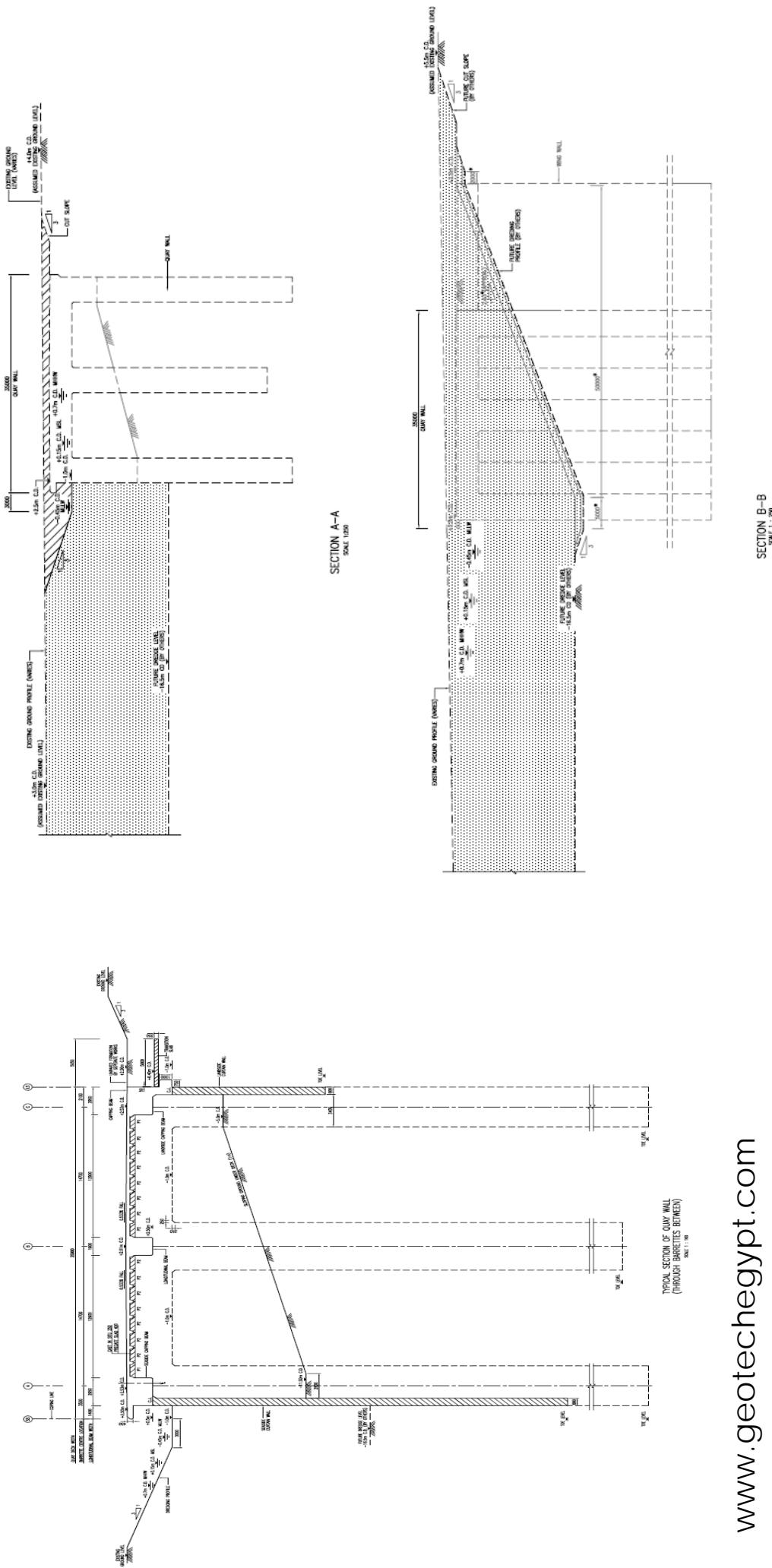
RFT DETAILS FOR THE PRIMARY PANELS



RFT DETAILS FOR THE PRIMARY PANELS



Container Terminal - Eastern Channel – Suez Canal





Container Terminal - Eastern Channel – Suez Canal



**CONTRACTOR:**

**ARAB CONTRACTORS**  
OSMAN AHMED OSMAN & CO.





Joint Venture Partners

Egyptian Partners

Foreign Partners (Germany)



Marine Engineering  
Geotechnical Engineering  
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Container Terminal Design Experts  
[www.hamburgportconsulting.de](http://www.hamburgportconsulting.de)

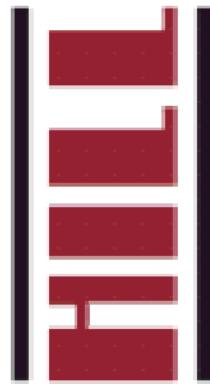


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Structural Engineering  
MEP Engineering  
[www.ecu-me.com](http://www.ecu-me.com)

Foreign Partners (USA)



Project Management  
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