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## Project Options

# 4 Project Options

This chapter briefly describes several project options which provide clearer basis of choice among the options for the decision-maker and relevant parties involved. These include:

- i) Build option:
  - Reclamation layout/configuration.
- ii) No-build option.

## 4.1 Build Option

KWRC will elevate the present status of Tanjung Lumpur which has the potential into becoming Kuantan's first Integrated Leisure, Retail and Entertainment Destination within an enclave that also offers seafront living. The build option considered in this project is reclamation layout/configuration.

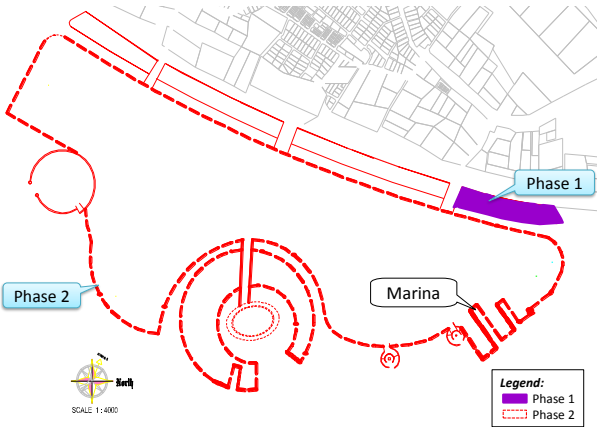
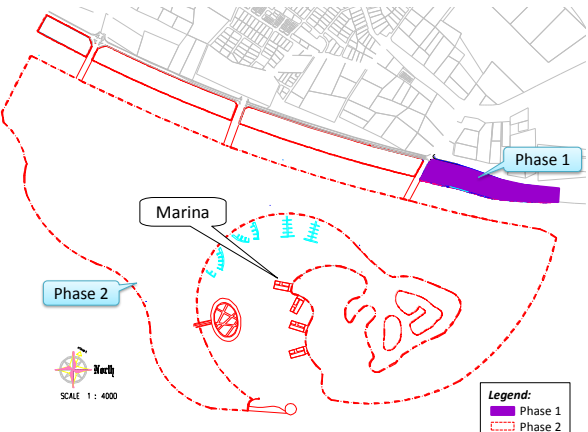
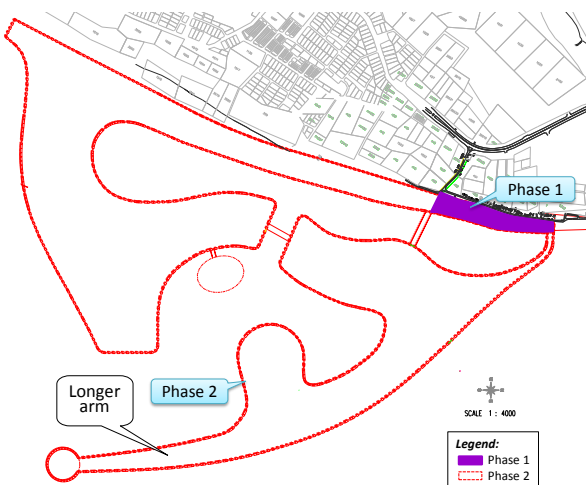
### 4.1.1 Reclamation Layout/Configuration

Several reclamation layouts had been assessed according to several factors, especially in terms of the impacts towards the environment. The final layout/configuration takes into account, but not limited to, the following:

- i) Environmentally Sensitive Areas (ESAs) nearby; and
- ii) Hydraulic components i.e. change in wave, current, etc.

All the proposed options are as presented in *Table 4.1*.

**Table 4.1** ► Proposed Options of Reclamation Layout

Options	Descriptions
<p><b>Option 1</b></p> 	<p>The man-made island was designed with a shape of a half moon and it is connected to the mainland by three bridges.</p> <p>Based on the hydraulic assessment, the marina is located facing the dominant Northeast wave direction. This will expose the marina to the rough (choppy) water especially during the monsoon season. Thus, this layout was rejected.</p>
<p><b>Option 2</b></p> 	<p>The previous shape was revised where the marina is located in the inner part of the layout. However, this layout is still not hydraulically friendly due to an opening is provided near the Sungai Kuantan river mouth. Sedimentation may occur within the area and cause stagnant water during low tide.</p> <p>Hence, this option is not opted.</p>
<p><b>Option 3</b></p> 	<p>A totally new layout was designed to overcome the previous issue and the reclaimed land is designed abutting the coastline.</p> <p>A longer arm is proposed at the Northeast of the project. It acts as a breakwater to protect from the wave impact during monsoon. Coastal protection structures are planned to be built at the perimeter of the reclaimed land to overcome any erosion that may occur.</p> <p>Therefore, Option 3 is selected as the final reclamation configuration.</p>

## 4.2 No Build Option

Without the implementation of the Project, some of the national and state development objectives will not be achieved since the proposed Project is unique in its own concept. The existing seafood and fishing businesses will be maintained status quo. However, this will reduce the attractiveness of the area, both to businesses and tourists alike. In addition, the opportunity for significant economic development will have to be relinquished resulting in lower growth for the region. Such a situation will undermine the overall objective of making Kuantan as one of the most vibrant business and social centers in the country.