



04

Project Description

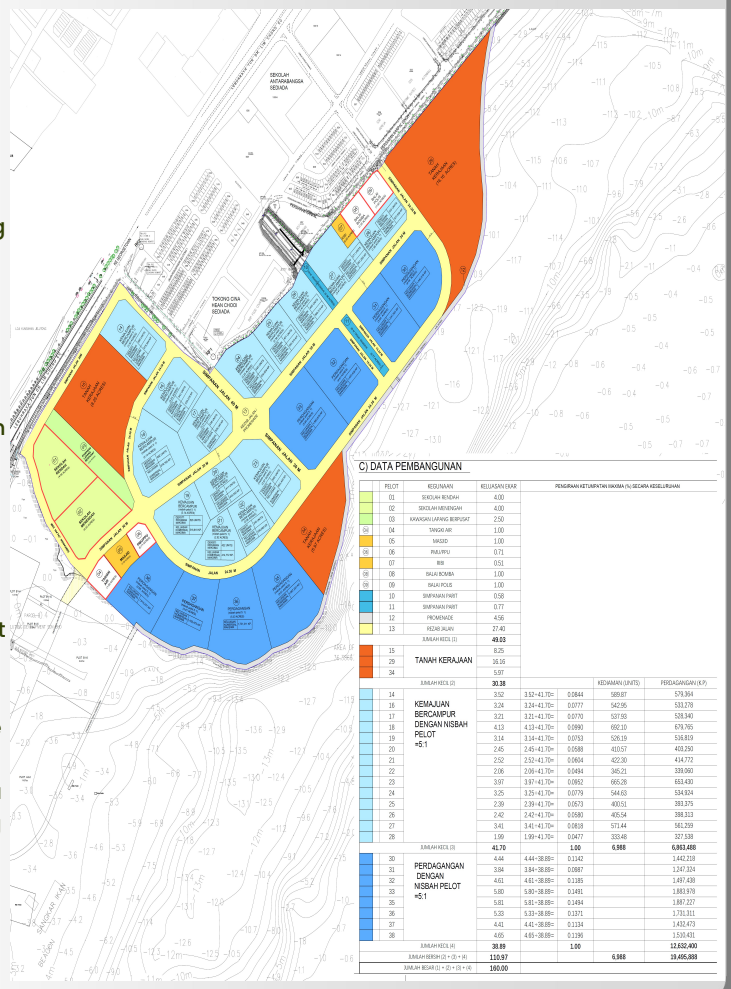
Land Area For Development
 Proposed Rehabilitation Of Jelutong Landfill - 90 acres
 Proposed Reclamation Land - 70 acres
 Total Area - 160 acres

Type of Development
 Rehabilitation And Land Reclamation Works

Population Equivalent (PE)
 93,578 PE

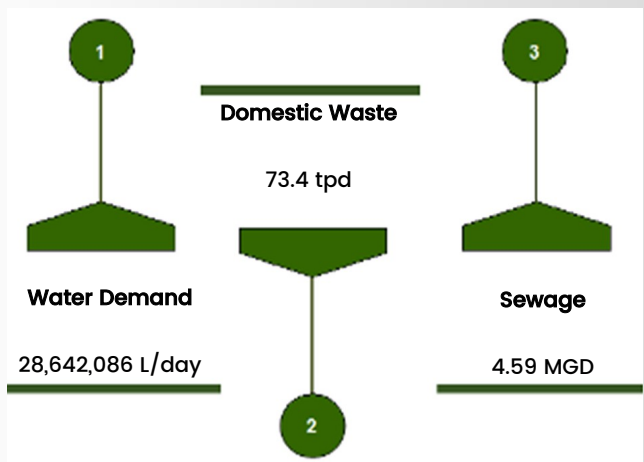
Generally the Proposed Project comprise of:-

- Rehabilitation and development of the existing Jelutong Landfill
- Reclamation and development of a new landmass adjacent to the Jelutong Landfill; and
- Construction of the entire infrastructure for the reclaimed land.



05

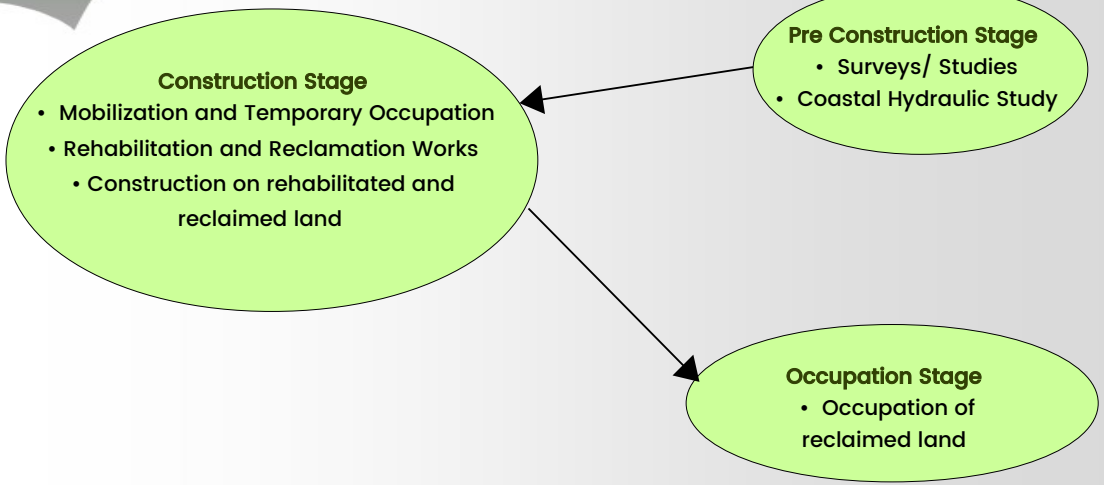
Utility Demand And Waste Generation





06

Project Activities



07

Existing Environment



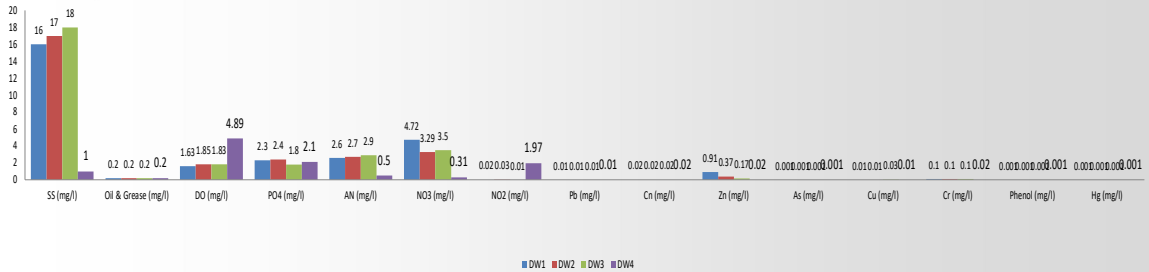


08

Existing Environment

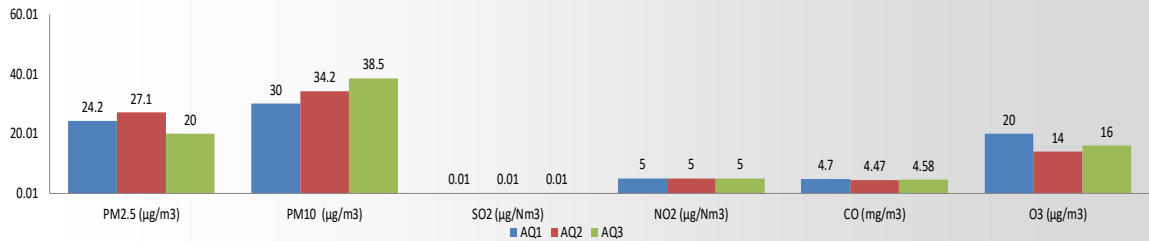
Drain Water Quality

- DW1 – At upstream of drain adjacent to existing land mass
- DW2 – At downstream of drain adjacent to existing land mass
- DW3 – At downstream of drain adjacent to existing land mass
- DW4 – At upstream of drain adjacent to existing landmass in north of project site



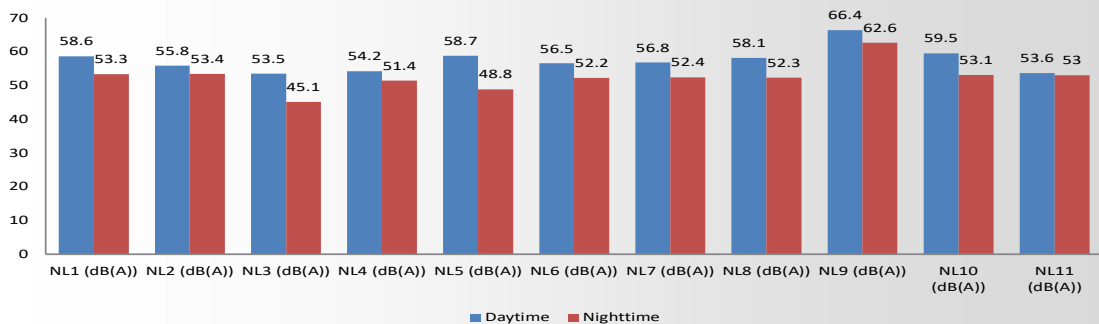
Air Quality

- AQ1 – At Mutiara Idaman 1
- AQ2 – At Persiaran Karpal Singh
- AQ3 – At Persiaran Karpal Singh in the east



Noise Levels

- NL1 – At Mutiara Idaman 1
- NL2 – At Persiaran Karpal Singh
- NL3 – At Persiaran Karpal Singh in the east
- NL4 – The Maritime
- NL5 – The Spring Condominium
- NL6 – Wesley Methodist School Penang International
- NL7 – Desa Pinang Apartment
- NL8 – Masjid Albukhary Bandar Baru Sungai Pinang
- NL9 – Pinang Court
- NL10 – The Ocean View
- NL11 – Hean Chooi Temple





09

Impact And Mitigation Measures

During Construction

| <u>Impacts</u> | <u>Mitigation Measures</u> |
|---|--|
| <ul style="list-style-type: none"> ● Impacts of gaseous emissions at landfill site; ● Impacts of leachate at landfill site; ● Impacts dur to changes in hydraulic and hydrodynamics; ● Impacts on marine resources; and ● Impacts due to heavier marine traffic. | <ul style="list-style-type: none"> ● All residual gases to be captured and flared off at site; ● Leachate to be collected for offsite treatment; ● All workers at the rehabilitation site use PPE; ● Silt curtains to be installed to prevent sediment prior entering the sea; ● Adequate signages and movement of vessels during reclamation works to be monitored; ● Recommendations outlined by geotechnical engineers shall be followed accordingly; and ● Strict monitoring and control throughout implementation of Proposed Project. |

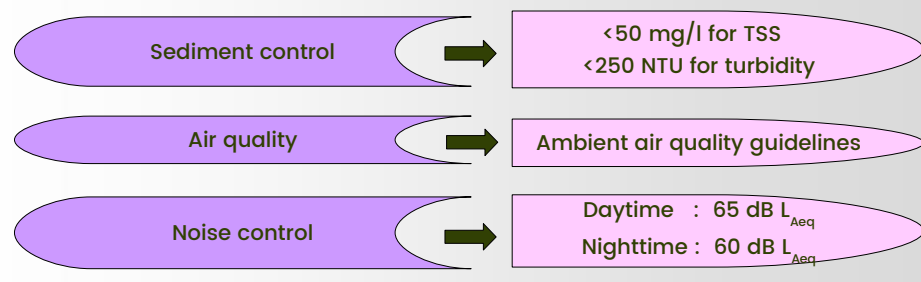
During Operation

| <u>Impacts</u> | <u>Mitigation Measures</u> |
|---|---|
| <ul style="list-style-type: none"> ● Impact from the discharge of sewage; ● Impact from domestic solid waste and scheduled waste generation; ● Impact on air quality due to increase traffic; and ● Impact of increased traffic volume. | <ul style="list-style-type: none"> ● Collect and convey sewage to existing regional sewage treatment plant in Jelutong according to IWK's requirement; ● Domestic solid waste regularly collected and dispose; ● Good landscaping with adequate tree planting; and ● Good traffic dispersal system. |

10

Environmental Monitoring

Proposed Performance Monitoring At Construction Stage

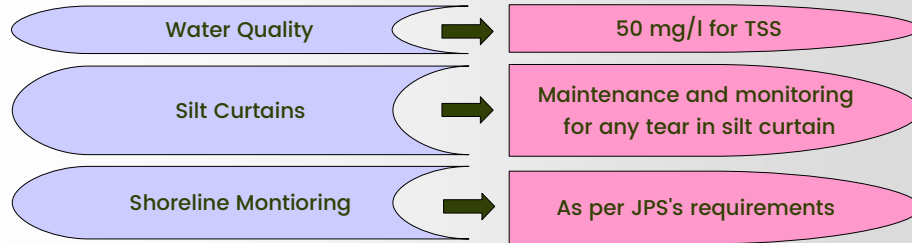




10

Environmental Monitoring (Continue)

Proposed Compliance Monitoring Program At Rehabilitation And Reclamation Woks



Proposed Impact Monitoring Program During Rehabilitation And Reclamation Works

