

PROJECT :-**CONSTRUCTION AND COMPLETION OF LAND RECLAMATION WORKS FOR JELUTONG SEWAGE TREATMENT WORKS AT JELUTONG , PULAU PINANG .****LOCATION :-**
Jelutong , Pulau Pinang**CLIENT :-**
Jabatan Perkhidmatan Pembetungan
Kuala Lumpur**Project Cost :-**
RM 13.5 million**COMPLETION DATE :-** (6 MONTHS FOR PERMANENT WORK WITH 12 MONTHS OF GROUND SETTLEMENT AND GAS EMISSION MONITORING INCLUDING MAINTENANCE WORKS)
JAN 2002 – JULY 2002

The reclamation works for the proposed Jelutong Sewage Treatment Plant commenced in January 2002 and completed in July 2002 for the permanent works. The 40% rubbish landfill site was treated with dynamic compaction. In view of the existence of soft clay subsoil, excessive post construction settlement is predicted. To minimize the post construction settlement, the soft compressible subsoil was treated by surcharging and consolidation with the installation of prefabricated vertical drains. A resting period of 12 months was allowed till July 2003.

The Detail Works include :-

- To Investigate, identify and secure approval from all relevant authorities for the use of fill material from borrow source with adequate volume as well as selected and suitable stone for the reclamation and shore protection work.
- Earthworks including the removal of unsuitable material .
- Dynamic Compaction on landfill site.
- Coastal reclamation of the site with hydraulic sand fill .
- Slope protection .
- Ground treatment including gas emission and soil settlement monitoring .
- Other ancillary works such as temporary work, environmental protection, demolition of squatters, locating and protection of existing utilities .

SERVICES PROVIDED :-

- Planning and Detailed Design
- Project Management
- Programme Management
- Design Management
- Construction Supervision
- Contract Administration



BEFORE RECLAMATION WORKS (YEAR 2001)



AFTER RECLAMATION WORKS (YEAR 2002)