

Project Reference P170

Shore Protection



Tanjung Piai Shore Protection

Project

Merekabentuk, Membina dan Menyiapkan Projek Pengawal Hakisan Pantai di Tanjung Piai, Mukim Serkat, Pontian, Johor

Client

Jetta Construction Sdn Bhd (JC)

Contract Sum

RM7,997,880

Contract Period

Nov 2009 ~ Dec 2010 (13 mths)

Consultant Engineer

O&L Jurutera Perunding

Owner / Employer

Jabatan Pengaliran dan Saliran (JPS) / Taman Negara Johor

The project site is a mangrove swamp which forms part of a pocket beach in the southern tip of Peninsular Malaysia. When the hinterland of the Sg. Pulai is being developed into various water resources schemes, and construction of port facilities for deep draft vessels is being implemented, the coastline at and surrounding the project site is observed to be eroding at fast rate. Mangroves are falling due to the erosion of the soil underneath them.

The likely cause of the bank erosion is the reduced sediment supply from the hinterland and the dredging of ship transportation channel that divert the course of sediment supply to the mud flat of the project site.

JC was engaged by JPS, and JC contracted SYS to address this coastline development phenomena, protects the beach from further erosion and safeguard the mangrove in the National Park with a design and built contract to protect 1.8km mangrove coastline and bakau farm with 1 year of post-construction monitoring.

Design Life

A life span of 20 years is adopted in the design of protection work.

