

**PROJECT :-****RECLAMATION OF AN EX-MINING PONDS IN SUNGAI BESI, 2000**

The site is located at the extreme south of Wilayah Perseku-tuan and is bounded by Jalan Sungei Besi and the KL-Seremban Highway on the west, Sungei Besi Town on the north and Sungei Besi Army Camp on the east. The area of the site is about 184 acres with two large ex-mining ponds in the middle of the site and two small ones adjacent to the bigger ponds. The area of the two large ex-mining ponds was about 43 acres.



The site was to be reclaimed for mixed residential development. A geophysical survey programme was conducted to identify the thickness of slime at the base of the ponds, apart from the usual Soil Investigation Works that consisted of bore-holes, piezocones and Mackintosh Probes to identify the subsoil condition of the site. Areas of potential geotechnical problems like soft ground, swampy land, mining land etc were located. The pond water was pumped dry in a controlled manner.



A layer of geotextile separator was laid to separate the very soft unsuitable material and the fill material. A drainage blanket consisting of granular material was laid before receiving the soil fills. Prefabricated vertical drain was used to treat the underlying soft ground. The earthworks and infrastructure works were commenced in December 1998 and ended in December 2000.