

**PROPOSED SEWERAGE SYSTEM FOR
SEREMBAN TOWN (PHASE ONE)**

**Dedicated to :
Our dearest parents**

By :

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SYNOPSIS

This thesis is about the design of a central sewerage system of the Seremban Town proper of area 106 sq. km. The proposed sewerage system would serve a maximum population of 275,000 in the year 2010. In addition, another 74,000 persons are to be served by local sewerage systems which include collection, treatment and disposal of the wastewaters. The remaining 21,000 persons are projected to be served by septic tanks and other on site system such as Imhoff tank followed by trickling filter.

A central sewerage treatment is proposed and is located at Kg Kuala Sawah. It comprises of anaerobic, facultative and maturation ponds. The effluent quality discharge by the maturation pond is expected to have BOD less than 50 mg/l with 1494 FC/100 ml. These comply with the Malaysian Environmental Standards. Disposal of the effluent will be below water intake point, 3.5 km downstream of Sungei Linggi. This will minimize the risk of potable water being contaminated by sewage pollution.

The type of sewer materials recommended are of VCP and reinforced concrete pipes. They are readily available in the local market. The hydraulic design of sewers is based on Manning's formula and was designed

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