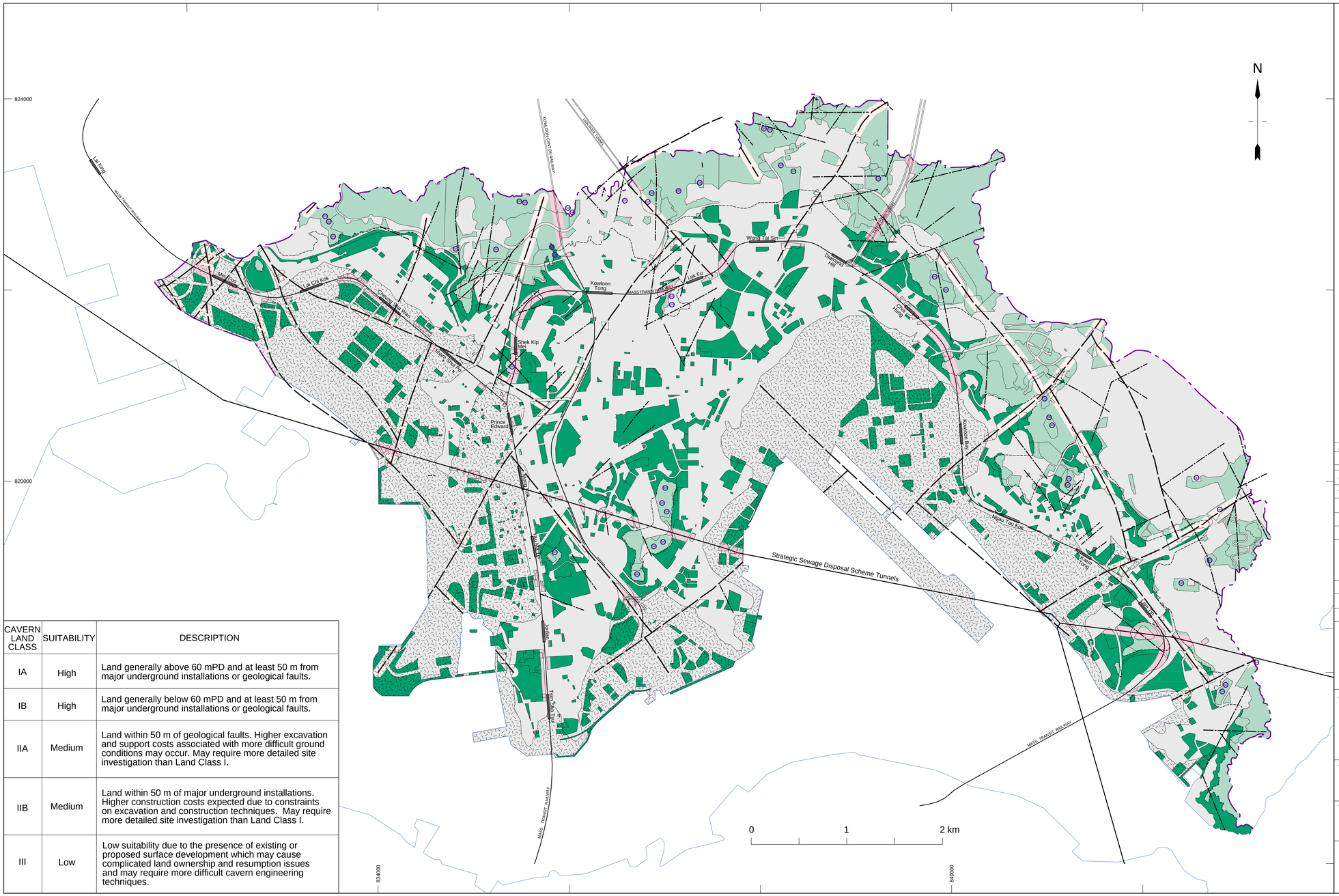

LEGEND

- Study Area Boundary
- 60m contour
- Service Reservoir
- Fault
- Photolineament
- OZP (GIC, O and GB areas) boundary
- MTR alignment and station
- Road tunnel
- KCR tunnel
- SSDS tunnel (Proposed)

Cavern Land Classes

- Reclamation Area
- Class IA
- Class IB
- Class IIA
- Class IIB
- Class III

see table for explanation of Classes

CAVERN LAND CLASS	SUITABILITY	DESCRIPTION
IA	High	Land generally above 60 mPD and at least 50 m from major underground installations or geological faults.
IB	High	Land generally below 60 mPD and at least 50 m from major underground installations or geological faults.
IIA	Medium	Land within 50 m of geological faults. Higher excavation and support costs associated with more difficult ground conditions may occur. May require more detailed site investigation than Land Class I.
IIB	Medium	Land within 50 m of major underground installations. Higher construction costs expected due to constraints on excavation and construction techniques. May require more detailed site investigation than Land Class I.
III	Low	Low suitability due to the presence of existing or proposed surface development which may cause complicated land ownership and resumption issues and may require more difficult cavern engineering techniques.

no.	date	description	initial
REVISION			

	name	date
surveyed		
designed	K.J. Roberts P.A. Kirk	11/97
drawn	Y.M. Tam	11/97
traced		
checked		
examined		
contract no.		
file no.		
job no.		

project

Cavern Area Study (CAS)
Kowloon District

drawing title

General Suitability for
Cavern Development - Kowloon

drawing no.: EG 498

scale: 1 : 20000

office

PLANNING DIVISION
GEOTECHNICAL ENGINEERING OFFICE

CIVIL ENGINEERING DEPARTMENT