

## 13 CONCLUSION

### 13.1 Summary of Impact Assessment

In terms of environmental impact assessment, most of the project components between Scheme 1 and Scheme 2 are very similar. Key issues, in which Scheme 2 has potential additional or different degree of impacts, are traffic noise, traffic air quality, sewage disposal, odour impact from sewage treatment plant, cultural and heritage, and visual and landscape.

The results of environmental impact assessment for the proposed Cyber Port Development (Scheme 2) are summarised in Table 13.1.

During operation phase, the major environmental impacts are:

- traffic noise impact from the proposed Route 7 and the distributor roads,
- water quality from sewage discharges
- odour impact from the sewage treatment plant
- loss of habitat

During construction phase, the major impacts are:

- construction dust from general construction works
- construction noise from general construction works
- ecological disturbance to the woodland and stream course habitat

With the implementation of the mitigation measures, the environmental impacts will be minimised and with no unacceptable residual impacts. It is therefore concluded that there will not be any insurmountable environmental problems for this project.

**Table 13.1 Summary of Environmental Impact Assessment Findings**

Environmental Aspect	Key Impacts (without mitigation measures)	Proposed Mitigation Measures	Residual Impacts (after mitigation)
Air Quality (Construction)	Short term elevated dust levels	Water of road surfaces at least twice daily, on-site vehicle speed control, covering/dampening of stockpiles in dry/windy conditions	Acceptable
Air Quality (Operational)	Vehicle Emissions Odour from STW	No mitigation measures required Odour control measures at STW	Acceptable
Noise (Construction)	Elevated construction noise levels	Adoption of quiet plant, 3m noise barrier along northern site adjacent to NSRs, use of acoustic barrier	Acceptable
Noise (Operational)	Traffic noise impacts from Route 7 and distributor roads Fixed Noise Sources at STW & Salt Water Pumping Station 275 KV Electricity Substation	Noise barriers  Enclosure of noisy equipment in building structure  Use of Low Noise Transformers & enclosure of noisy equipment in acoustically treated structure	Acceptable
Water Quality (Construction)	Elevated suspended sediment concentration in the vicinity of construction works	Use of control dredging techniques as required. Collection and off-site disposal of sewage, coverage and containment of loose materials and associated runoff. Treatment of effluent prior to discharge.	Acceptable
Water Quality (Operational)	Sewage discharge to marine water	CEPT plus disinfection treatment, discharge via 300m offshore outfall prior to SSDS Stage III/IV; Preliminary treatment and discharge to SSDS deep sewer after SSDS Stage III/IV Package secondary treatment plant to treat sewage from early phases of development (up to end 2002)	Acceptable
Water Quality and Marine Impact	Marina and breakwaters	Separate EIA study to be carried out	Note 1
Wastes (Construction)	Limited dredging, spoil, excess surcharge and construction wastes	Site management, marine disposal control, segregation of waste, waste minimisation	Acceptable
Waste (Operational)	Sewage and municipal wastes	Provision of adequate collection, treatment and disposal facilities	Acceptable
Ecology	Loss of habitat, disturbance to habitat	Clearance of woodland in phases to allow for re-colonisation of affected mobile species, good site practice to minimise disturbance, compensation planting Protection of plants at Telegraph Bay	Acceptable
Landscape & Visual	Change in visual character	Impact minimised by design, creation of new development of coherent landscape and visual features	Acceptable

Environmental Aspect	Key Impacts (without mitigation measures)	Proposed Mitigation Measures	Residual Impacts (after mitigation)
Cultural and Heritage	Important sites at Telegraphy Bay and Waterfall Bay	Separate study during preliminary design stage to address impacts of proposed school construction at Kong Sin Wan Avoid disturbance to important sites	Note 1

Note 1: To be determined subject to the results of separate study