
14 SCHEDULE OF RECOMMENDED MITIGATION MEASURES

Details of the recommended mitigation measures for Scheme 1 are given in Tables 13.1 to 13.6 of Volume 1 of this report. As discussed above, the mitigation measures for Scheme 1 are applicable for Scheme 2. The schedules of recommended mitigation measures for Scheme 2 during construction and operation phases are given in Table 14.1 and Table 14.2. It should be noted that all noise barriers should be in place prior to the opening of that road to traffic.

Table 14.1 Implementation Schedule for Construction Phase

Environmental Protection Measures	Location (duration/completion of measures)	Implementation Agent	Maintenance Agent	Implementation Stage		
				D	C	O
Dust suppression measures: (details as given in Table 13.1 of Volume 1A) <ul style="list-style-type: none"> • regular watering of haul roads (once every 2 hours in normal conditions and hourly in dry/windy conditions) • Speed control of site vehicles to 10 km/h • Covering/dampening of stockpiles • Other good site practices 	Advance Works	Contractor	N/A		✓	
Dust suppression measures: (details as given in Table 13.1 of Volume 1A) <ul style="list-style-type: none"> • regular watering of haul roads (once every 2 hours in normal conditions and hourly in dry/windy conditions) • Speed control of site vehicles to 10 km/h • Covering/dampening of stockpiles 	Main construction works	Contractor	N/A		✓	
Dust suppression measures (details as given in Table 13.1 of Volume 1A) <ul style="list-style-type: none"> • Watering of haul roads twice daily • Speed control of on-site vehicles to 10 km/h 	Route 7 construction	Contractor	N/A		✓	
Dust suppression measures (details as given in Table 13.1 of Volume 1A) <ul style="list-style-type: none"> • General good site practices 	Development construction and Route 7 construction	Contractor	N/A		✓	

Environmental Protection Measures	Location (duration/completion of measures)	Implementation Agent	Maintenance Agent	Implementation Stage		
				D	C	O
Noise reduction measures (details as given in Table 13.2 of Volume 1A) <ul style="list-style-type: none"> • Use of silenced plants • 3m noise barrier (boundary hoarding) 	Advance works	Contractor	N/A		✓	
Noise reduction measures (details as given in Table 13.2 of Volume 1A) <ul style="list-style-type: none"> • Use of silenced plants • 3m noise barrier (boundary hoarding) 	Main construction works and Route 7 construction	Contractor	N/A		✓	
Noise reduction measures (details as given in Table 13.2 of Volume 1A) <ul style="list-style-type: none"> • Use of acoustic barriers 	Main construction works and Route 7 construction, during school examination where impacted	Contractor	N/A		✓	
Noise reduction measures (details as given in Table 13.2 of Volume 1A) <ul style="list-style-type: none"> • Specify the number of vehicles to off-site work areas 	During the use of off-site work areas	Contractor	N/A		✓	
Water quality measures (details as given in Table 13.3 of Volume 1A) <ul style="list-style-type: none"> • Material transfer and surcharging • Control of site wastewater • Control of site surface runoff • Control of spillages 	Advance works	Contractor	N/A		✓	
Close grabs and silt curtains during marine dredging and dumping, control of transport and dumping of dredged material (details as given in Table 13.3 of Volume 1A)	Construction of outfall and other marine structures	Contractor	N/A		✓	

Environmental Protection Measures	Location (duration/completion of measures)	Implementation Agent	Maintenance Agent	Implementation Stage		
				D	C	O
Carry out EIA and Marine Impact Study for marina and possible breakwaters	Preliminary design for marina and breakwaters	TDD/Developer	N/A	✓		
Realignment of southern stream prior to construction of access road	Construction of southern access road	Contractor	N/A		✓	
Control of construction site wastewater and runoff <ul style="list-style-type: none"> • Diversion of stream water after completion of new channel; avoid flow into trenches. • Avoid any significant changes of flow hydraulics in design of the realigned stream and maintain the natural environmental as far as possible • Adopt appropriate work methods to minimise silt loading to stream 	Realignment of Southern Stream	TDD/Developer	N/A	✓		
Good site practices to minimise water quality impacts from silty runoff, spillage and wastewater discharges (details as given in Table 13.3 of Volume 1A)	Main construction and Route 7 construction	Contractor	N/A		✓	
Good waste management site practice, waste minimisation, waste recycling (details as given in Table 13.4 of Volume 1A)	Advance works, Main construction and Route 7 construction	Contractor	N/A		✓	
Ecological measures (details as given in Table 13.5 of Volume 1A) <ul style="list-style-type: none"> • Hoarding of boundary of woodland and construction area, no lighting of fires within work areas 	Advance works	Contractor	N/A		✓	

Environmental Protection Measures	Location (duration/completion of measures)	Implementation Agent	Maintenance Agent	Implementation Stage		
				D	C	O
Loss of woodland/shrubland (details as given in Table 13.5 of Volume 1A) <ul style="list-style-type: none"> • Phased removal of woodland • Hoarding of boundary between woodland and construction, no fire lighting in sites • Compensating planting 	Main construction	Contractor/TDD /Developer	USD/ Developer	✓		
Design to mitigate visual and landscape impacts <ul style="list-style-type: none"> • Retention of existing trees and plants as far as possible; tree and shrub planting to create landscape buffer and visual amenity • Design of Southern Access road with respect to waterfall and adjacent area as a natural setting within the environment; avoid structural support at the area as far as possible; planting /replanting scheme • Consider retention of historically important buildings and structures • Road infrastructure and noise barriers to integrate with the new townscape • Open space areas with Cyber Port Development to compliment the development itself and the surrounding environment 	Visual and landscape design	TDD/Developer	USD/ Developer	✓		
Retention of protected plants at Telegraph Bay, as far as possible	School and residential development at Telegraph Bay	TDD /Developer/ Contractor	N/A	✓		
Choose access road route with least impact on woodland habitat	Access road routing	TDD/Developer	N/A	✓		

Environmental Protection Measures	Location (duration/completion of measures)	Implementation Agent	Maintenance Agent	Implementation Stage		
				D	C	O
Stream alignment to minimise loss of existing stream course where possible	Stream realignment	TDD/Developer	N/A	✓		
Prevention of release of sediment to stream course	Stream realignment construction	Contractor	N/A		✓	
Avoid disturbance to cultural and heritage important sites at Kong Sin Wan Village and Waterfall Bay	School site and residential development at Kong Sin Wan Village; Construction of Route 7	Contractor/TDD /Developer/ED	N/A	✓	✓	
Carry out Cultural and Heritage Impact Assessment study	School site and residential development at Kong Sin Wan Village – preliminary design stage	TDD/Developer /ED	N/A	✓		

Table 14.2 Implementation Schedule for Operation Phase

Environmental Protection Measures	Location (duration/ completion of measures)	Implementation Agent	Maintenance Agent	Implementation Stage		
				D	C	O
Odour control measures at STW	Sewage Treatment Work (STW)	DSD/TDD/ Developer	DSD	✓		✓
Cantilevered Barrier (5.5 m high with 3.5 m cantilever inclined at 45°) of 130 m long for Phase R III high-rise residential buildings along Southern Access Road	At the verge of Southern Access Road (Figure 5.9)	TDD/Developer	HyD	✓		✓
Cantilevered Barrier (5.5 m high with 3.5 m cantilever inclined at 45°) of 400 m long for Phase R V high-rise residential buildings along Southern Access Road	At the verge of Southern Access Road (Figure 5.9)	TDD/Developer	HyD	✓		✓
Two sections of cantilevered barriers (5.5 m high with 2.5 m cantilever inclined at 30°) of total 345 m long for Phase R I high-rise residential buildings along Road D1	At the verge of Road D1 (Figure 5.8)	TDD/Developer	HyD	✓		✓
Cantilevered Barrier (5.5 m high with 3.5 m cantilever inclined at 45°) of 79.5 m long for low-rise & high-rise residential buildings	At the verge of Route 7 (Figure 5.7)	HyD	HyD	✓		✓
0.5 m high plain barrier (depressed Route 7) of 290 m long for houses	At the edge of the 10 m buffer zone between Route 7 and the houses (Figure 5.6)	HyD	HyD	✓		✓
0.5 m high plain barrier (at-grade Route 7) of 255 m long for houses	At the edge of the 10 m buffer zone between Route 7 and the houses	HyD	HyD	✓		✓
1.5 m high plain barrier (depressed Route 7) of 30 m long near roundabout for Phase C II houses	At the edge of the 10 m buffer zone near roundabout	HyD	HyD	✓		✓

Environmental Protection Measures	Location (duration/ completion of measures)	Implementation Agent	Maintenance Agent	Implementation Stage		
				D	C	O
2 m high plain barrier (at-grade Route 7) of 65 m long near roundabout for Phase C II houses	At the edge of the 10 m buffer zone near roundabout	HyD	HyD	✓		✓
4.5 m high (depressed Route 7) or 5 m high (at-grade Route 7) plain barrier of 110 m long for Phase C II houses	At the verge of Road D2 (Figure 5.5)	TDD/Developer	HyD	✓		✓
4m high vertical barrier on of 160m and another 85 m long	On central divider of Route 7 (Figure 5.7)	HyD	HyD	✓		✓
Cantilevered Barrier (5.5 m high with 3.5 m cantilever inclined at 45°) of 570 m long	On central divider of Route 7 (Figure 5.7)	HyD	HyD	✓		✓
LNSM on Route 7	On road surface of Route 7	HyD	HyD	✓		✓
LNSM on part of Road D1	On road surface of part of Road D1	TDD/Developer	HyD	✓		✓
Enclosure of noisy equipment within building structure	Sewage Treatment Works Salt Water Pumping Station	TDD/Developer	DSD	✓		✓
Use of Low Noise Transformers and enclosure of noisy equipment in acoustically treated structure	275 KV electricity substation	Hongkong Electric Company Limited (HEC)	HEC	✓		✓
Reprovision (for NSR 97) and provision (for NSRs 101 and 102) of window improvement and air conditioning, if needed	S.K.H. Lui Ming Choi Secondary School (NSR 97) Precious Blood Primary School (NSR 101) Tsui Chin Tong School for Handicap (NSR 102)	TDD/Developer	School Authority			✓
Sewage outfall monitoring	Outfall and receiving water	TDD/Developer	DSD	✓		✓

Environmental Protection Measures	Location (duration/ completion of measures)	Implementation Agent	Maintenance Agent	Implementation Stage		
				D	C	O
Fencing between woodland and developed area, planting of dust tolerant shrubs/trees as buffer to more sensitive woodland habitat	Site boundary	TDD/Contractor	USD/ Developer	✓		✓
Change of landscape character	Impact minimised by design, creation of new development of coherent landscape and visual features	TDD/Developer	USD/ Developer	✓		✓

LNSM – Low noise surfacing material