

Appendix D. Implementation Schedule for Environmental Mitigation Measures on Underpass Road Serving the Planned WKCD



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EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
Air Qual	ity Impact	(Construction)							
14.3.6.1	10.3.1	General Dust Control Measures Frequent water spraying for active construction areas (12 times a day or once every one hour), including Heavy construction activities such as construction of buildings or roads, drilling, ground excavation, cut and fill operations (i.e., earth moving)	Within WKCD site / Duration of the construction phase / Prior to commencement of operation	Contractor appointed by WKCDA		√			EIA Recommendation and Air Pollution Control (Construction Dust) Regulation
14.3.6.1	10.3.1	Best Practice For Dust Control	Within WKCD site /	Contractor		√			EIA
		The relevant best practices for dust control as stipulated in the Air Pollution Control (construction Dust) Regulation should be adopted to further reduce the construction dust impacts from the Project. These best practices include:	Duration of the construction phase / Prior to commencement of operation	appointed by WKCDA					Recommendation and Air Pollution Control (Construction
		Good Site Management							Dust) Regulation
		Good site management is important to help reducing potential air quality impact down to an acceptable level. As a general guide, the Contractor should maintain high standard of housekeeping to prevent emission of fugitive dust. Loading, unloading, handling and storage of raw materials, wastes or by-products should be carried out in a manner so as to minimise the release of visible dust emission. Any piles of materials accumulated on or around the work areas should be cleaned up regularly. Cleaning, repair and maintenance of all plant facilities within the work areas should be carried out in a manner minimising generation of fugitive dust emissions. The material should be handled properly to prevent fugitive dust emission before cleaning.							
		Disturbed Parts of the Roads							
		 Each and every main temporary access should be paved with concrete, bituminous hardcore materials or metal plates 							



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EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
		and kept clear of dusty materials; or							
		 Unpaved parts of the road should be sprayed with water or a dust suppression chemical so as to keep the entire road surface wet. 							
		Exposed Earth							
		Exposed earth should be properly treated by compaction, hydroseeding, vegetation planting or seating with latex, vinyl, bitumen within six months after the last construction activity on the site or part of the site where the exposed earth lies.							
		Loading, Unloading or Transfer of Dusty Materials							
		 All dusty materials should be sprayed with water immediately prior to any loading or transfer operation so as to keep the dusty material wet. 							
		Debris Handling							
		 Any debris should be covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides. 							
		 Before debris is dumped into a chute, water should be sprayed so that it remains wet when it is dumped. 							
		Transport of Dusty Materials							
		 Vehicle used for transporting dusty materials/spoils should be covered with tarpaulin or similar material. The cover should extend over the edges of the sides and tailboards. 							
		Wheel washing							
		Vehicle wheel washing facilities should be provided at each construction site exit. Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.							
		Use of vehicles							

■ The speed of the trucks within the site should be controlled



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		to about 10km/hour in order to reduce adverse dust impacts and secure the safe movement around the site.							
		Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.							
		Where a vehicle leaving the construction site is carrying a load of dusty materials, the load should be covered entirely by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle.							
		Site hoarding							
		Where a site boundary adjoins a road, street, service lane or other area accessible to the public, hoarding of not less than 2.4m high from ground level should be provided along the entire length of that portion of the site boundary except for a site entrance or exit.							
14.3.6.1	10.3.1	Best Practicable Means for Cement Works (Concrete Batching Plant)	Within WKCD site / Duration of the	Contractor appointed by		✓			EIA recommendation;
		The relevant best practices for dust control as stipulated in the Guidance Note on the Best Practicable Means for Cement Works (Concrete Batching Plant) BPM 3/2(93) should be followed and implemented to further reduce the construction dust impacts of the Project. These best practices include:	construction phase / Prior to commencement of operation	WKCDA					Guidance Note on the Best Practicable Means for Cement Works (Concrete Batching Plant)
		Exhaust from Dust Arrestment Plant							BPM 3/2(93)
		Wherever possible the final discharge point from particulate matter arrestment plant, where is not necessary to achieve dispersion from residual pollutants, should be at low level to minimise the effect on the local community in the case of abnormal emissions and to facilitate maintenance and inspection							



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		Emission Limits							
		 All emissions to air, other than steam or water vapour, shall be colourless and free from persistent mist or smoke 							
		Engineering Design/Technical Requirements							
		 As a general guidance, the loading, unloading, handling and storage of fuel, raw materials, products, wastes or by- products should be carried out in a manner so as to prevent the release of visible dust and/or other noxious or offensive emissions 							
Air Qua	lity Impact	(Operation)							
		No mitigation measure is required.							
Noise In	npact (Con	struction)							
	10.4.1	Good Site Practice Good site practice and noise management can significantly reduce the impact of construction site activities on nearby NSRs. The following package of measures should be followed during each phase of construction:	Within WKCD site / During construction phase / Prior to commencement of operation	Contractor appointed by WKCDA		✓			EIAO and Noise Control Ordinance
		 only well-maintained plant to be operated on-site and plant should be serviced regularly during the construction works; 							
		 machines and plant that may be in intermittent use to be shut down between work periods or should be throttled down to a minimum; 							
		 plant known to emit noise strongly in one direction, should, where possible, be orientated to direct noise away from the NSRs; 							
		 mobile plant should be sited as far away from NSRs as possible; and 							
		 material stockpiles and other structures to be effectively 							



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		utilised, where practicable, to screen noise from on-site construction activities.							
14.4.7.1	10.4.1	Adoption of Quieter PME The recommended quieter PME adopted in the assessment were taken from EPD's QPME Inventory and "Sound Power Levels of Other Commonly Used PME". It should be noted that the silenced PME can be found in Hong Kong.	Within WKCD site / During construction phase / Prior to commencement of operation	Contractor appointed by WKCDA		✓			EIAO and Noise Control Ordinance
14.4.7.1	10.4.1	Use of Movable Noise Barriers Movable noise barriers can be very effective in screening noise from particular items of plant when constructing the Project. Noise barriers located along the active works area close to the noise generating component of a PME could produce at least 10 dB(A) screening for stationary plant and 5 dB(A) for mobile plant provided the direct line of sight between the PME and the NSRs is blocked.	Within WKCD site / During construction phase / Prior to commencement of operation	Contractor appointed by WKCDA		✓			EIAO and Noise Control Ordinance
14.4.7.1	10.4.1	Use of Noise Enclosure/ Acoustic Shed The use of noise enclosure or acoustic shed is to cover stationary PME such as air compressor and concrete pump. With the adoption of the noise enclosure, the PME could be completely screened, and noise reduction of 15 dB(A) can be achieved according to the EIAO Guidance Note No.9/2010.	Within WKCD site / During construction phase / Prior to commencement of operation	Contractor appointed by WKCDA		✓			EIAO and Noise Control Ordinance
14.4.7.1	10.4.1	Use of Noise Insulating Fabric Noise insulating fabric can also be adopted for certain PME (e.g. drill rig, pilling machine etc). The fabric should be lapped such that there are no openings or gaps on the joints. According to the approved Tsim Sha Tsui Station Northern Subway EIA report (AEIAR-127/2008), a noise reduction of 10 dB(A) can be achieved for the PME lapped with the noise insulating fabric.	Within WKCD site / During construction phase / Prior to commencement of operation	Contractor appointed by WKCDA		✓			EIAO and Noise Control Ordinance
14.4.7.1	10.4.1	Scheduling of Construction Works outside School Examination Periods During construction phase, the contractor should liaise with the educational institutions (including NSRs LCS and CRGPS) to obtain the examination schedule and avoid the noisy	Within WKCD site / During construction phase / Prior to commencement of operation	Contractor appointed by WKCDA		✓			EIAO and Noise Control Ordinance



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		construction activities during school examination periods.							
Noise Im	pact (Ope	ration)							
14.4.7.2	10.4.2	Road Traffic Noise Sound-absorbing materials should be installed on inner walls and ceilings of the underpass at the portals at the junction of Lin Cheung Road and Austin Road West, interim access of Austin Road West and permanent access at Canton Road. The sound-absorbing materials would be extended at least 30m into the underpass at the portals.	Portal at the junction of Lin Cheung Road and Austin Road West, Interim Access at Austin Road West and Permanent access at Canton Road / Before commencement of operation of road project	Contractor appointed by WKCDA / Highways Department	✓	✓	✓		EIAO
14.4.7.2	10.4.2	Fixed Plant Noise Specification of the maximum allowable sound power levels of the proposed fixed plants during daytime and night-time should be followed. The following noise reduction measures shall be considered as far as practicable during operation: Choose quieter plant such as those which have been effectively silenced; Include noise levels specification when ordering new plant (including chillier and E/M equipment); Locate fixed plant/louvre away from any NSRs as far as practicable; Locate fixed plant in walled plant rooms or in specially designed enclosures; Locate noisy machines in a basement or a completely separate building; Install direct noise mitigation measures including silencers, acoustic louvres and acoustic enclosure where necessary;	Within WKCD site / During operation phase / Throughout operation phase	Design Architect / Contractor appointed by WKCDA	✓		√		EIAO and Noise Control Ordinanc



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		 Develop and implement a regularly scheduled plant maintenance programme so that equipment is properly operated and serviced in order to maintain a controlled level of noise. 							
Water C	uality Impa	act (Construction)							
14.5.5.1	10.5.1	Construction site runoff and drainage The site practices outlined in ProPECC Note PN 1/94 should be followed as far as practicable in order to minimise surface runoff and the chance of erosion. The following measures are recommended to protect water quality and sensitive uses of the coastal area, and when properly implemented should be sufficient to adequately control site discharges so as to avoid water quality impacts: At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels, earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on-site drainage system should be undertaken by the WKCDA's Contractor prior to the commencement of construction; Sand/silt removal facilities such as sand/silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the TM standards under the WPCO. The design of efficient silt removal facilities should be based on the guidelines in	Within WKCD site / Duration of the construction phase / Prior to commencement of operation	Contractor appointed by WKCDA		✓			ProPECC Note PN 1/94
		Appendix A1 of ProPECC Note PN 1/94. Sizes may vary depending upon the flow rate. The detailed design of the sand/silt traps should be undertaken by the WKCDA's Contractor prior to the commencement of construction. All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to							



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EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
		ensure proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit should be regularly removed, at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.							
		Measures should be taken to minimize the ingress of site drainage into excavations. If excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from foundation excavations should be discharged into storm drains via silt removal facilities.							
		All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing facility should be provided at construction site exit where practicable. Wash-water should have sand and silt settled out and removed regularly to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains.							
		Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.							
		Manholes (including newly constructed ones) should be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and stormwater runoff being directed into foul sewers.							



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		Precautions should be taken at any time of the year when rainstorms are likely. Actions should be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC Note PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes.							
		Bentonite slurries used in piling or slurry walling should be reconditioned and reused wherever practicable. Temporary enclosed storage locations should be provided on-site for any unused bentonite that needs to be transported away after all the related construction activities are completed. The requirements in ProPECC Note PN 1/94 should be adhered to in the handling and disposal of bentonite slurries.							
14.5.5.1	10.5.1	Barging facilities and activities	Within WKCD site /	Contractor		✓			WPCO
		Recommendations for good site practices during operation of the proposed barging point include:	he During construction phase / Prior to commencement of operation	appointed by WKCDA					
		 All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; 							
		 Loading of barges and hoppers should be controlled to prevent splashing of material into the surrounding water. Barges or hoppers should not be filled to a level that will cause the overflow of materials or polluted water during loading or transportation; 							
		 All hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material; and 							
		 Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site. 							



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14.5.5.1	10.5.1	Sewage effluent from construction workforce Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	Within WKCD site / During construction phase / Prior to commencement of operation	Contractor		√			ProPECC Note PN 1/94
14.5.5.1	10.5.1	General construction activities	Within WKCD site /	Contractor		✓			ProPECC Note
		Construction solid waste, debris and refuse generated on-site should be collected, handled and disposed of properly to avoid entering any nearby storm water drain. Stockpiles of cement and other construction materials should be kept covered when not being used.	During construction phase / Prior to commencement of operation	appointed by WKCDA					PN 1/94
		Oils and fuels should only be stored in designated areas which have pollution prevention facilities. To prevent spillage of fuels and solvents to any nearby storm water drain, all fuel tanks and storage areas should be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank. The bund should be drained of rainwater after a rain event.							
Water Qu	uality Impa	act (Operation)							
14.5.5.2	10.5.2	Road and surface runoff For operation of the proposed WKCD development and associated local road network, a surface water drainage system would be provided to collect road and surface runoff. It is recommended that the road drainage should be provided with adequately designed silt trap and oil interceptors, as necessary. The design of the operation stage mitigation measures for the proposed WKCD development and associated local road network should take into account the guidelines published in the Practice Note for Professional Persons on Drainage Plans Subject to Comment by the Environmental Protection	Within WKCD site / During operation phase / Throughout operation phase	To be agreed between DSD and WKCDA prior to commencement of operation			✓		ProPECC Note PN 5/93, Highways Department Guidance Notes RD/GN/035



					Imp	lementa	tion S	tage ¹	
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		Department (ProPECC Note PN 5/93) and Highways Department Guidance Notes RD/GN/035 – Road Pavement Drainage Design.							
Sewerag	je and Sew	age Treatment Implications (Design)							
		No mitigation measure is required.							
Sewerag	e and Sew	age Treatment Implications (Operation)							
		No mitigation measure is required.							
Waste M	lanagemen	t Implications (Construction)							
14.7.4.1	10.7.1	Good Site Practices	WKCD construction site /	Contractor		\checkmark			Waste Disposal
14./.4.1		Recommendations for good site practices during the construction activities include:	stage / Until completion of all construction , activities	appointed by WKCDA					Ordinance; Wast Disposal
		Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site							(Chemical Wastes) (Genera Regulation; and Technical Circula (Works) No.
		 Training of site personnel in proper waste management and chemical handling procedures 							19/2005 Environmental
		 Provision of sufficient waste disposal points and regular collection of waste 							Management on Construction Site
		 Appropriate measures to minimise windblown litter and dust/odour during transportation of waste by either covering trucks or by transporting wastes in enclosed containers 							
		 Provision of wheel washing facilities before the trucks leaving the works area so as to minimise dust introduction to public roads 							
		 Well planned delivery programme for offsite disposal such that adverse environmental impact from transporting the inert or non-inert C&D materials is not anticipated 							



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14.7.4.1		Waste Reduction Measures Recommendations to achieve waste reduction include: Sort inert C&D material to recover any recyclable portions such as metals Segregation and storage of different types of waste in different containers or skips to enhance reuse or recycling of materials and their proper disposal Encourage collection of recyclable waste such as waste paper and aluminium cans by providing separate labelled bins to enable such waste to be segregated from other general refuse generated by the work force Proper site practices to minimise the potential for damage or contamination of inert C&D materials Plan the use of construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste	WKCD construction site / Throughout construction stage / Until completion of all construction activities	Contractor appointed by WKCDA		√			Waste Disposal Ordinance
14.7.4.1	10.7.1	Inert and Non-inert C&D Materials In order to minimise impacts resulting from collection and transportation of inert C&D material for off-site disposal, the excavated materials should be reused on-site as fill material as far as practicable. In addition, inert C&D material generated from excavation works could be reused as fill materials in local projects that require public fill for reclamation. The surplus inert C&D material will be disposed of at the Government's PFRFs for beneficial use by other projects in Hong Kong. Liaison with the CEDD Public Fill Committee (PFC) on the allocation of space for disposal of the inert C&D materials at PFRF is underway. No construction work is allowed to proceed until all issues on management of inert C&D	WKCD construction site / Throughout construction stage / Until completion of all construction activities	Contractor appointed by WKCDA		√			Waste Disposal Ordinance; Technical Circular (Works) No.6/2010 for Trip Ticket System for Disposal of Construction & Demolition Materials; and Technical Circular (Works) No. 19/2005 Environmental Management on



EIA Ref.		Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Implementation Stage ¹				
	EM&A Ref.				Des	Con	Ор	Dec	Relevant Legislation & Guidelines
	1	materials have been resolved and all relevant arrangements have been endorsed by the relevant authorities including PFC and EPD.							Construction Site
		The C&D materials generated from general site clearance should be sorted on site to segregate any inert materials for reuse or disposal of at PFRFs whereas the non-inert materials will be disposed of at the designated landfill site.							
		In order to monitor the disposal of inert and non-inert C&D materials at respectively PFRFs and the designated landfill site, and to control fly-tipping, it is recommended that the Contractor should follow the Technical Circular (Works) No.6/2010 for Trip Ticket System for Disposal of Construction & Demolition Materials issued by Development Bureau. In addition, it is also recommended that the Contractor should prepare and implement a Waste Management Plan detailing their various waste arising and waste management practices in accordance with the relevant requirements of the Technical Circular (Works) No. 19/2005 Environmental Management on Construction Site.							
14.7.4.1	10.7.1		WKCD construction site /	Contractor		✓			Code of Practice
		If chemical wastes are produced at the construction site, the Contractor will be required to register with the EPD as a chemical waste producer and to follow the guidelines stated in the "Code of Practice on the Packaging Labelling and Storage of Chemical Wastes". Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor should use a licensed collector to transport and dispose of the chemical wastes at the	Throughout construction stage / Until completion of all construction activities	appointed by WKCDA					on the Packaging Labelling and Storage of Chemical Wastes; Waste Disposal (Chemical Waste) (General) Regulation



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EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Op	Dec	Relevant Legislation & Guidelines
		approved Chemical Waste Treatment Centre or other licensed recycling facilities, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.						'	
		Potential environmental impacts arising from the handling activities (including storage, collection, transportation and disposal of chemical waste) are expected to be minimal with the implementation of appropriate mitigation measures as recommended.							
14.7.4.1	10.7.1	General Refuse	WKCD construction site / Throughout construction stage / Until completion of all construction activities	Contractor		\checkmark			Waste Disposal
		General refuse should be stored in enclosed bins or compaction units separated from inert C&D material. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from inert C&D material. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.		appointed by WKCDA					Ordinance and Public Health and Municipal Services Ordinance - Public Cleansing and Prevention of Nuisances Regulation
Waste M	lanagemen	t Implications (Operation)							
		No mitigation measure is required.							
Land Co	ntaminatio	on (Construction)							
14.8.5	10.8.1	The potential for land contamination issues at the TST Fire Station due to its future relocation will be confirmed by site investigation after land acquisition. Where necessary, mitigation measures for minimising potential exposure to contaminated materials (if any) or remediation measures will be identified. If contaminated land is identified (e.g., during decommissioning of fuel oil storage tanks) after the commencement of works, mitigation measures are proposed in order to minimise the potentially adverse effects on the health and safety of construction workers and impacts arising from the disposal of potentially contaminated materials.	Site of the existing Tsim Sha Tsui Fire Station / During excavation activities / Prior to construction of WKCD facilities	Contractor appointed by WKCDA		√			Waste Disposal Ordinance; and Waste Disposal (Chemical Waste) (General) Regulation



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EIA Ref.	EM&A Ref.			Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines			
	,	The following measures are proposed for excavation and transportation of contaminated material:										
		 To minimize the chance for construction workers to come into contact with any contaminated materials, bulk earth- moving excavation equipment should be employed; 										
		Contact with contaminated materials can be minimised by wearing appropriate clothing and personal protective equipment such as gloves and masks (especially when interacting directly with contaminated material), provision of washing facilities and prohibition of smoking and eating on site;										
		 Stockpiling of contaminated excavated materials on site should be avoided as far as possible; 										
		 The use of contaminated soil for landscaping purpose should be avoided unless pre-treatment was carried out; 										
		 Vehicles containing any contaminated excavated materials should be suitably covered to reduce dust emissions and/or release of contaminated wastewater; 										
		 Truck bodies and tailgates should be sealed to stop any discharge; 										
		 Only licensed waste haulers should be used to collect and transport contaminated material to treatment/disposal site and should be equipped with tracking system to avoid fly tipping; 										
		 Speed control for trucks carrying contaminated materials should be exercised; 										
		 Observe all relevant regulations in relation to waste handling, such as Waste Disposal Ordinance (Cap 354), Waste Disposal (Chemical Waste) (General) Regulation (Cap 354) and obtain all necessary permits where required; and 										
		 Maintain records of waste generation and disposal quantities 										



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EIA Ref.				Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
		and disposal arrangements.					1		
Land Co	ntaminatio	n (Operation)							
		No mitigation measure is required.							
Ecologic	al Impact ((Construction)							
		No mitigation measure is required.							
Ecologic	al Impact ((Operation)							
		No mitigation measure is required.							
Landsca	pe and Vis	sual Impact (Construction)							
Table 14.10.1 7 (CM1)	Table 10.8 (CM1)	Trees should be retained in situ on site as far as possible. Should tree removal be unavoidable due to construction impacts, trees will be transplanted or felled with reference to the stated criteria in the Tree Removal Applications to be submitted to relevant government departments for approval in accordance to ETWB TCW No. 29/2004 and 3/2006.	WKCD construction site / Throughout construction stage / Until completion of all construction activities	Contractor appointed by WKCDA	√	✓			ETWB TCW No 29/2004 and 3/2006
Table 14.10.1 7 (CM2)	Table 10.8 (CM2)	Compensatory tree planting shall be incorporated to the proposed project and maximize the new tree, shrubs and other vegetation planting to compensate tree felled and vegetation removed. Also, implementation of compensatory planting should be of a ratio not less than 1:1 in terms of quality and quantity within the site.	WKCD Park and public areas / After completion of site formation / Prior to operation stage	Contractor appointed by WKCDA	✓	√			ETWB TCW No 3/2006
Table 14.10.1 7 (CM3)	Table 10.8 (CM3)	Buffer trees for screening purposes to soften the hard architectural and engineering structures and facilities.	Alongside superstructures within WKCD / After completion of superstructure construction / Prior to operation stage	Contractor appointed by WKCDA	√	√			EIAO-TM
Table 14.10.1 7	Table 10.8 (CM4)	Softscape treatments such as vertical green wall panel /planting of climbing and/or weeping plants, etc, to maximize the green coverage and soften the hard architectural and engineering	Alongside superstructures within WKCD / After completion	Design Consultant / Contractor appointed by	√ 	√ 			EIAO-TM



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EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
(CM4)		structures and facilities.	of superstructure construction / Prior to operation stage	WKCDA					
Table 14.10.1 7 (CM5)	Table 10.8 (CM5)	Roof greening by means of intensive and extensive green roof to maximize the green coverage and improve aesthetic appeal and visual quality of the building/structure.	Alongside superstructures within WKCD / After completion of superstructure construction / Prior to operation stage	Design Consultant / Contractor appointed by WKCDA	√	√			EIAO-TM
Table 14.10.1 7 (CM6)	Table 10.8 (CM6)	Sensitive streetscape design should be incorporated along all new roads and streets.	Alongside superstructures within WKCD / After completion of superstructure construction / Prior to operation stage	Design Consultant / Contractor appointed by WKCDA	√	✓			EIAO-TM
Table 14.10.1 7 (CM7)	Table 10.8 (CM7)	Structure, ornamental planting shall be provided along amenity strips to enhance the landscape quality.	Alongside superstructures within WKCD / After completion of superstructure construction / Prior to operation stage	Contractor appointed by WKCDA	√	✓			EIAO-TM
Table 14.10.1 7 (CM8)	Table 10.8 (CM8)	Landscape design shall be incorporated to architectural and engineering structures in order to provide aesthetically pleasing designs.	Alongside superstructures within WKCD / After completion of superstructure construction / Prior to operation stage	Design Consultant / Contractor appointed by WKCDA	√	√			EIAO-TM
Table 14.10.2 1 (MMC1)	Table 10.9 (MMC1)	Use of decorative screen hoarding/boards	WKCD construction sites / Throughout construction stage / Prior to operation stage	Contractor appointed by WKCDA		✓			ETWB TCW No. 3/2006



	EM&A Ref.		Location / Duration of measures / Timing of completion of measures	Implementation Agent	lmp	lementa			
EIA Ref.					Des	Con	Ор	Dec	Relevant Legislation & Guidelines
Table 14.10.2 1 (MMC2)	Table 10.9 (MMC2)	During the transition period, the temporary ventilation shafts for the basement associated with the underpass road will adopt light colour	WKCD basement construction sites / After completion of ventilation shaft superstructure / Prior to operation stage	Design Architect / Contractor appointed by WKCDA	✓	√			EIAO-TM
Table 14.10.2 1 (MMC3)	Table 10.9 (MMC3)	The early introduction of landscape treatments	WKCD construction sites / Towards the end of construction stage / Prior to operation stage	Contractor appointed by WKCDA		√			EIAO-TM
Table 14.10.2 1 (MMC4)	Table 10.9 (MMC4)	The temporary landscape areas will help achieve the visual balance and reduce the visual impacts derived by the construction activities within the site	Temporary landscape areas / Throughout construction stage / Prior to operation stage	Contractor appointed by WKCDA		✓			EIAO-TM
Table 14.10.2 1 (MMC5)	Table 10.9 (MMC5)	Control of night time lighting such as avoidance of lighting from spilling onto nearby residential developments.	WKCD construction sites / During night time / Throughout construction stage	Contractor appointed by WKCDA		√			EIAO-TM
Landsca	e and Visi	ual Impact (Operation)							
Table 14.10.1 8 (OM1)	Table 10.10 (OM1)	Provide proper planting maintenance on the new planting areas to enhance the aesthetic design degree	WKCD open areas / Throughout operation phase / As-needed basis	Contractor appointed by WKCDA			✓		EIAO-TM
Table 14.10.1 8 (OM2)	Table 10.10 (OM2)	Provision of open space in various forms and at different levels on or above ground, including park, waterfront promenade, piazzas and terrace garden and associated green connections for public enjoyment.	WKCD open areas / Throughout operation phase / As-needed basis	Design Consultant / Contractor appointed by WKCDA	✓		✓		EIAO-TM
Table 14.10.2	Table 10.11	Adoption of light colour for the temporary ventilation shafts associated with the underpass road during operation phase	WKCD buildings / During design stage / Prior to	Design Architect / Contractor	✓		✓		EIAO-TM



EIA Ref.					Imp				
	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
2 (MMO1)	(MMO1)	(day 1)	operation stage (year 10)	appointed by WKCDA			'		
Table 14.10.2 2 (MMO2)	Table 10.11 (MMO2)	The temporary landscape areas will help achieve the visual balance and reduce the visual impacts derived by the construction activities within the WKCD site during operation phase (Day 1)	Temporary landscaped areas / Throughout construction stage / Prior to operation stage (year 10)	Design Architect / Contractor appointed by WKCDA	✓		✓		EIAO-TM
Table 14.10.2 2 (MMO3)	Table 10.11 (MMO3)	Use of planter and other softscape treatments during operation phase (Day 1)	WKCD construction sites / Throughout construction stage / Prior to operation stage	Design Architect / Contractor appointed by WKCDA			√		EIAO-TM
Table 14.10.2 2 (MMO4)	Table 10.11 (MMO4)	Use of decorative screen hoarding/boards. during operation phase (day 1)	WKCD construction sites / Throughout construction stage / Prior to operation stage	Contractor appointed by WKCDA			√		EIAO-TM
Table 14.10.2 2 (MMO5)	Table 10.11 (MMO5)	Aesthetic design of roads and roadside planting during operation phase (year 10)	Areas close to the entrance of the underground road	Contractor appointed by WKCDA			√		EIAO-TM
Table 14.10.2 2 (MMO6)	Table 10.11 (MMO6)	Control of night time lighting such as avoidance of lighting from spilling onto nearby residential developments during operation phase (day 1 and year 10)	WKCD building exterior and open areas / During night time / Throughout operation stage	Contractor appointed by WKCDA			✓		EIAO-TM