

Environmental Mitigation Implementation Schedule – Tung Chung New Town Extension

Notes

- Chapters 1 to 2 of the EIA report present the background information of the Project (Tung Chung New Town Extension) (TCNTE), identified concurrent projects, objectives and scope for various environmental aspects, and description on alternative options and construction description. Chapters 3 to 12 of the EIA report present the EIA findings and mitigation measures are described below with cross-reference to the EIA report. Chapters 13 to 15 of the EIA report describe the environmental monitoring requirements, summary of environmental outcomes and conclusion.
- TCNTE includes Tung Chung East (TCE) and Tung Chung West (TCW).
- Existing construction contracts in TCE and TCW include:
 - Contract No. NL/2017/03 - Tung Chung New Town Extension – Reclamation and Advance Works (“Contract 1 / C1”) in TCE
 - Contract No. NL/2020/02 - Tung Chung New Town Extension – Salt Water Supply System (“Contract 2 / C2”) in TCE
 - Contract No. NL/2020/03 - Tung Chung New Town Extension – Major Infrastructure Works in Tung Chung East (“Contract 3 / C3”) in TCE
 - Contract No. NL/2020/07 - Tung Chung New Town Extension – Tai Ho Interchange (“Contract 7 / C7”) in TCE
 - Contract No. NL/2020/05 - Tung Chung New Town Extension – Site Formation and Infrastructure Works at Ma Wan Chung (“Contract 5 / C5”) in TCW
 - Contract No. NL/2020/06 - Tung Chung New Town Extension – Site Formation and Infrastructure Works at Tung Chung Valley, Phase 1 (“Contract 6 / C6”) in TCW
 - Contract No. NL/2023/10 – Tung Chung New Town Extension – Infrastructure Works at Tung Chung Valley, Yu Tung Road and Ma Wan Chung (“Contract 10 / C10”) in TCW
 - Contract No. NL/2023/11 – Tung Chung New Town Extension – Infrastructure Works at Tung Chung Valley, Phase 2 (“Contract 11 / C11”) in TCW
 - The Entrustment Agreement No. ENT/TUE/001 – Construction of Infrastructure Works in the Tung Chung New Town Extension Area (“TUE”) in TCW

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
Common Mitigation Measures (Applicable to ALL Project Components, including DPs and Non-DPs)								
Construction Dust Impact								
S3.4.6	D1	Water spraying every hour on exposed worksites and haul road.	Minimize dust impact at the nearby sensitive receivers	Contractors	All construction sites in TCE and TCW	Construction stage	• APCO • To control the dust impact to meet HKAQO and TM-EIAO criteria	Under implementation
S3.4.6	D2	The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation	Minimize dust impact at the nearby sensitive receivers	Contractors	All construction sites in TCE and TCW	Construction stage	• APCO • To control the dust impact to meet HKAQO and TM-EIAO criteria	Under implementation

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S3.4.6	D3	The following dust suppression measures should be incorporated to control the dust nuisance throughout the construction phase: - Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading; - Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads; - A stockpile of dusty material should not be extended beyond the pedestrian barriers, fencing or traffic cones; - The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle; - Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road	Minimize dust impact at the nearby sensitive receivers	Contractors	All construction sites in TCE and TCW	Construction stage	- APCO - To control the dust impact to meet HKAQO and TM-EIAO criteria	Under implementation

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		section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores; • When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period; • The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials; • Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously; • Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet;						

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		- Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding; - Any skip hoist for material transport should be totally enclosed by impervious sheeting; - Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides; - Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed; - Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system; and						

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		Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shortcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies.						
S3.4.6	D4	Implement regular dust monitoring under EM&A programme during the construction stage.	Monitoring of dust impact	ET of TCE & ET of TCW	Selected air quality monitoring stations	Construction stage	TM-EIAO	Under implementation

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Construction Noise								
S4.3.4	N1	Implement the following good site management practices: - only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme; - machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; - plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; - silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works; - mobile plant should be sited as far away from NSRs as possible and practicable; - material stockpiles, site office and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities.	Control construction airborne noise	Contractors	All construction sites in TCE and TCW, where practicable	Construction stage	Annex 5, TM-EIAO	Under implementation

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S4.3.4	N2	Use of quiet plant which should be made reference to the Powered Mechanical Equipment (PME) listed in the Technical Memorandum or the Quality Powered Mechanical Equipment (QPME) / other commonly used PME listed in Environmental Protection Department (EPD) web pages as far as possible which includes the Sound Power Level (SWLs) for specific quiet PME.	Reduce the noise levels of plant items	Contractors	All construction sites in TCE and TCW, where practicable	Construction stage	• Annex 5, TM-EIAO	Under implementation
S4.3.4	N3	Install movable temporary noise barriers (typical design is wooden framed barrier with a small-cantilevered upper portion of superficial density no less than 7kg/m ² on a skid footing with 25mm thick internal sound absorptive lining), and full enclosure, screen the noisy plants including air compressors, generators etc.	Screen the noisy plant items to be used at all construction sites	Contractors	All construction sites in TCE and TCW, where practicable	Construction stage	• Annex 5, TM-EIAO	Under implementation
4.3.4	N4	Implement noise monitoring under EM&A programme.	Monitor the construction noise levels at the selected representative locations	ET of TCE & ET of TCW	Selected noise monitoring stations	Construction stage	• TM-EIAO	Under Implementation
Operational Noise (Road Traffic Noise)								

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S4.5.4	N5	Provide a series of noise mitigation measures including low noise surfacing material, noise barriers, facades with no openable window, school boundary walls and architectural fins before occupation of the protected NSRs. Locations of noise mitigation measures are stated as following: Year 2023: • façade with no openable window at B1-1 (Area 99) and B1-2 (Area 100) for TCE; TCV-6 (Area 42) for TCW • 1.5m long architectural fin at B1-1 (Area 99) and B1-2 (Area 100) for TCE • Approx. 50m long, 4m high school boundary wall at possible school development near Tung Chung Area 39 (Area 108) • Approx. 120m long, 5m high vertical barrier with 3m cantilevered arm at 45° at the corner at junction between Chung Mun Road and Road L29 • Approx. 210m long LNRS along Chung Mun Road • Approx. 160m long LNRS along Road L29 • Approx. 160m long LNRS along Road L30 Year 2025: • Façade with no openable window at B1-1 (Area 99), B1-2 (Area 100), D1-1, D1-2 (Area 106), D2-3 (Area 109) and D2-4 (Area 103) for TCE; TCV-6 (Area 42) for TCW • 1.5m long architectural fin at B1-1 (Area 99), B1-2 (Area 100) and D2-4 (Area 103) for TCE; TCV-1 (Area 60) for TCW • Approx. 60m long, 5m high school boundary wall along Road L3	Reduce operation noise from road traffic	• Mitigation measures at Public Housing developments would be handled by HD including: A2-1 (Area 114), A2-4 (Area 117), B1-1 (Area 99), B1-2 (Area 100), C1-1, C2-1, C2-2 (Area 133), D2-3 (Area 109), D2-4 (Area 103), and E1-5 (Area 122) for TCE, TCV-6 of TCW (Area 42) • Private development would be handled via land lease: A1-1, A1-2 (Area 113), A2-2 (Area 115), A2-3 (Area 116), D1-1, D1-2 (Area 106), E1-4 (Area 125) in TCE, TCV-1 (Area 60) in TCW • School boundary wall along Road L2 and L3 would be handled by ArchSD / future developer	Refer to Figure 6.1, Figure 6.1a-b, Figure 6.2, Figures 6.2a-b, Figure 6.3, Figures 6.3a-d, Figure 6.4, and Figures 6.4a-e of Updated EM&A Manual [For details of LNRS, refer to EP submission under EP condition 2.23]	Prior to operation of the Project for existing NSRs. While for mitigation measures to protect planned NSRs, it should be constructed before population intake of planned NSRs.	• TM-EIAO	TCE: Under implementation TCW: To be implemented
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		• Approx. 70m long, 5m high school boundary wall with 3m cantilevered arm at 45° along Road L3 • Approx. 50m long, 4m high school boundary wall at possible school development near Tung Chung Area 39 (Area 108) • Approx. 120m long, 5m high vertical barrier with 3m cantilevered arm at 45° at the corner at junction between Chung Mun Road and Road L29 • Approx. 210m long LNRS along Chung Mun Road • Approx. 160m long LNRS along Road L29 • Approx. 160m long LNRS along Road L30 Year 2027: • Façade with no openable window at A1-1, A1-2 (Area 113), A2-1 (Area 114), A2-2 (Area 115), A2-3 (Area 116), A2-4 (Area 117), B1-1 (Area 99), B1-2 (Area 100), D1-1, D1-2 (Area 106), D2-3 (Area 109) and D2-4 (Area 103) for TCE; TCV-6 (Area 42) for TCW • 1.5m long architectural fin at A2-1 (Area 114), A2-4 (Area 117), B1-1 (Area 99), B1-2 (Area 100) and D2-4 (Area 103) for TCE; • 1.8m long architectural fin at A1-1, A1-2 (Area 113), A2-1 (Area 114) and A2-4 (Area 117) • Approx. 60m long, 5m high school boundary wall along Road L3 • Approx. 70m long, 5m high school boundary wall with 3m cantilevered arm at 45° along Road L3 • Approx. 50m long, 4m high school boundary wall at possible school development near Tung Chung Area 39 (Area 108)		• As school development near (Area 108) has been carried out before project commencement, such measures would not be applicable • Noise barriers along Road D3 and L7 would be handled by C3 • Noise barriers and LNRS along Chung Mun Road, L29 & L30 would be handled by C6				
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		• Approx. 120m long, 5m high vertical barrier with 3m cantilevered arm at 45° at the corner at junction between Chung Mun Road and Road L29 • Approx. 210m long LNRS along Chung Mun Road • Approx. 160m long LNRS along Road L29 • Approx. 160m long LNRS along Road L30 Year 2045: • Façade with no openable window at A1-1, A1-2 (Area 113), A2-1 (Area 114), A2-2 (Area 115), A2-3 (Area 116), A2-4 (Area 117), B1-1 (Area 99), B1-2 (Area 100), C1-1, C2-1, C2-2 (Area 133), D1-1, D1-2 (Area 106), D2-3 (Area 109), D2-4 (Area 103), E1-4 (Area 125) and E1-5 (Area 122) for TCE; TCV-1 (Area 60) and TCV-6 (Area 42) for TCW • 1.5m long architectural fin at A2-1 (Area 114), A2-4 (Area 117), B1-1 (Area 99), B1-2 (Area 100), C1-1 (Area 113) and D2-4 (Area 103) for TCE; TCV-1 (Area 60) for TCW • 1.8m long architectural fin at A1-1, A1-2 (Area 113), A2-1 (Area 114), A2-4 (Area 117) and C1-1 (Area 133) • Approx. 100m long, 5m high absorptive vertical barrier along Road D3 • Approx. 50m long, 5m high absorptive vertical barrier with 3m cantilevered arm at 45° along Road L7 • Approx. 60m long, 5m high school boundary wall along Road L3 • Approx. 70m long, 5m high school boundary wall with 3m cantilevered arm at 45° along Road L3					
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		• Approx. 80m long, 4m high school boundary wall along Road L2 • Approx. 40m long, 3m high school boundary wall along Road L2 • Approx. 50m long, 4m high school boundary wall at possible school development near Tung Chung Area 39 • Approx. 120m long, 5m high vertical barrier with 3m cantilevered arm at 45° at the corner at junction between Chung Mun Road and Road L29 • Approx. 210m long LNRS along Chung Mun Road • Approx. 160m long LNRS along Road L29 • Approx. 160m long LNRS along Road L30						
<i>Operational Noise (Fixed Noise)</i>								

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S4.6.4	N6	For existing and planned NSRs which are located near to the proposed noise sources, the following tentative noise mitigation measures are considered: • All the pumps should be enclosed inside building structures; • Proper selection of quiet plant to reduce the tonality at NSRs; • Installation of silencer / acoustic enclosure / acoustic louvers for the exhaust of ventilation system. • For underground train stations, sound attenuators with sufficient attenuations can be installed to the ventilation shafts. • Openings of ventilation system should be located away from NSRs.	Reduce operation fixed noise	Relevant government departments / Future Operators	All plant rooms where practicable	Prior to operation of the Project	• Noise Control Ordinance and its TM, TM-EIAO	To be implemented
Operational Noise (Rail Noise)								

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S4.8.4	N7	Before Phase 1 is occupied: • Façade with no openable windows for residential block at B1-2 • 1.5m long architectural fin at B1-2 Before Phase 3 is occupied: It should be noted that Railway Stations at TCE and TCW and its associated railway system is a Designated Project under Item A.2 of Schedule 2 of TM-EIAO. Hence, the proposed mitigation measures are tentative for cumulative assessment purpose in this EIA and all the mitigation measures will be revised by the railway operator during their Schedule 2 EIA. • Approx. 325m long, semi enclosure along the tracks of Tung Chung Line facing B0-2 and COM-1 • Approx. 210m long, semi enclosure along the tracks of Tung Chung Line facing A1-2 and C1-1 • Approx. 390m long, semi enclosure along the track of Tung Chung Line to Tung Chung direction facing C1-1 to C2-1 • Approx. 630m long, semi enclosure along the track of Tung Chung Line to Hong Kong direction facing C1-1 and C2-1	Reduce operation rail noise	Relevant government department(s) / Future Operator	Refer to Figure 6.1, Figure 6.1a-b, Figure 6.2, Figures 6.2a-b, Figure 6.3, Figures 6.3a-d, Figure 6.4, and Figures 6.4a-e of Updated EM&A Manual	Prior to final population intake	• Noise Control Ordinance and its TM, TM-EIAO	Not applicable [Note: The EIA for Tung Chung Line (TCL) Extension was approved in July 2022. According to the EIA report of TCNTE (S.4.8.4.3), the recommended mitigation measures were tentative and would be revised in TCL Extension EIA. Please refer to the updated mitigation measures in EIA Report (AEIAR-235/2022), EM&A Manual and EP (EP No. EP-614/2022) for TCL Extension.]

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Water Quality (Construction Phase)								
S5.4.3	W1	<u>General Construction Activities</u> In accordance with the Practice Note for Professional Persons on Construction Site Drainage, Environmental Protection Department, 1994 (ProPECC PN1/94), best management practices should be implemented on site as far as practicable. The best practices are detailed below: - 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. Channels, earth bunds or sand bag barriers should be provided on site to direct stormwater to silt removal facilities.; - Diversion of natural stormwater should be provided as far as possible. The design of temporary on-site drainage should prevent runoff going through site surface, construction machinery and equipment in order to avoid or minimize polluted runoff. Sedimentation tanks with sufficient capacity, constructed from pre-formed individual cells of approximately 6 to 8 m3 capacities, are recommended as a general mitigation measure which can be used for settling surface runoff prior to disposal. The system capacity shall be flexible and able to handle multiple inputs from a variety of sources and suited to applications where the influent is pumped;	To minimize water quality impact from construction site runoff and general construction activities	Contractors	All construction sites in TCE and TCW, where applicable	Construction stage	- Water Pollution Control Ordinance - ProPECC PN1/94 (Note: updated to PN2/24) - TM-EIAO - TM-DSS	Under implementation

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		- The dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas. Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse, through a silt/sediment trap. The silt/sediment traps should be incorporated in the permanent drainage channels to enhance deposition rates; - The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94. The detailed design of the sand/silt traps should be undertaken by the contractor prior to the commencement of construction; - Construction works should be programmed to minimize surface excavation works during the rainy seasons (April to September). All exposed earth areas should be completed and vegetated as soon as possible after earthworks have been completed. If excavation of soil cannot be avoided during the rainy season, or at any time of year when rainstorms are likely, exposed slope surfaces should be covered by tarpaulin or other means; - All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rainstorms. Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas;						

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		• If the excavation of trenches in wet periods is necessary, it should be dug and backfilled in short sections wherever practicable. Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities; • All open stockpiles of construction materials (for example, aggregates, sand and fill material) 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 always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers; • Precautions to be taken at any time of year when rainstorms are likely, actions to 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 PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events; • 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 facilities should be provided at every construction site exit where						

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		practicable. Wash-water should have sand and silt settled out and removed at least on a weekly basis 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; • Oil interceptors should be provided in the drainage system downstream of any oil/fuel pollution sources. The oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for the oil interceptors to prevent flushing during heavy rain; • Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts; • All fuel tanks and storage areas should be provided with locks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled fuel oils from reaching water sensitive receivers nearby; and • Regular environmental audit on the construction site should be carried out in order to prevent any malpractices. Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or						

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		wastewater into the water bodies, mangroves and open sea.						
S5.4.3	W2	<u>Sewage from workforce</u> - Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage generated by the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance; - Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction phase of the Project; - Regular environmental audit on the construction site should be conducted in order to provide an effective control of any malpractices and achieve continual improvement of environmental performance on site.	To minimize water quality from sewage effluent in construction phase	Contractors	All construction sites in TCE and TCW, where practicable	Construction stage	- Water Pollution Control Ordinance - TM-DSS	Under implementation
S5.4.3	W3	<u>Construction Works and Bridge Works near Tung Chung Stream</u> Use precast structures or other similar approaches [TCW only]	To prevent any construction works in river and avoid any direct water quality impact to Tung Chung Stream	Contractor (TCW: C6, C10 & C11)	Construction sites in TCW (C6, C10 & C11), where practicable	Construction stage	ProPECC PN1/94 (Note: updated to PN2/24)	Under implementation
S5.4.3	W4	<u>Construction Works of Sewage Pumping Stations</u> A buffer zone of about 20m or about 30m will	To avoid any direct water quality impact to Tung	Contractor (TCW: C6, C10 &	Construction sites in TCW (C6, C10 &	Construction stage	ProPECC PN1/94 (Note: updated to	Under implementation

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		be zoned to prevent any construction works near river. [TCW only]	Chung Stream	C11)	C11), where practicable		PN2/24)	
S5.4.3	W5	<u>Construction Work of Fresh Water and Salt Water Reservoirs</u> • Good site management as stipulated in ProPECC PN1/94 will be fully implemented to avoid polluted liquid or solid wastes from falling into the river waters or drainage. [TCE only]	To avoid water quality impact	Contractor (TCE: C2)	Construction sites in TCE (C2), where practicable	Construction stage	• ProPECC PN1/94 (Note: updated to PN2/24)	Under implementation
S5.4.3	W6	<u>Construction of Storm Water Management Facilities and Polder Scheme</u> • Good site management as stipulated in ProPECC PN1/94 will be fully implemented to avoid polluted liquid or solid wastes from falling into the river waters or drainage. [TCW only]	To avoid any direct water quality impact to Tung Chung Stream	Contractor (TCW: C6, C10 & C11)	Construction sites in TCW (C6, C10 & C11), where practicable	Construction stage	• ProPECC PN1/94 (Note: updated to PN2/24)	Under implementation
S5.4.3	W7	<u>Groundwater and Runoff for Tunnel Works</u> • Cut-and-Cover method for the underpass at Road D1 in Tung Chung East to minimise the intrusion of groundwater. Good site management as stipulated in ProPECC PN1/94 will be fully implemented to avoid polluted liquid or solid wastes from falling into the river waters or drainage. [TCE only]	To avoid water quality impact	Contractors (TCE: C3)	Construction sites in TCE (C3), where practicable	Construction stage	• ProPECC PN1/94 (Note: updated to PN2/24)	Under implementation
S5.5.8	W8	<u>Good Management Practice in Construction</u>	To avoid water	Contractor	Construction	Construction	• ProPECC	Completed

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		<u>Phase</u> The following good site management practices shall be adopted for the filling works: • Water quality monitoring shall be implemented to ensure effective control of water pollution and recommend additional mitigation measures required; • The decent speed of grabs shall be controlled to minimize the seabed impact and to reduce the volume of over-dredging; • A perimeter silt curtain shall be installed during the entire reclamation periods; • Barges or hoppers shall not be filled to a level which will cause overflow of materials or pollution of water during loading or transportation; • Excess materials shall be cleaned from the decks and exposed fittings of barges before the vessels are moved; • Plants should not be operated with leaking pipes and any pipe leakages shall be repaired quickly; • Adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action; • 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; and	quality impact	(TCE: C1)	sites in TCE (C1), where practicable	stage	PN1/94 (Note: updated to PN2/24)	

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		The works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site. [TCE only]						
S5.5.8	W9	The recovered C&D materials for filling would be ensured no floating or non-inert material by visual inspection, quality assurance, etc. [TCE only]	To avoid water quality impact	Contractor (TCE: C1)	Construction sites in TCE (C1), where practicable	Construction stage	Waste Disposal Ordinance	Completed

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Water Quality (Operational Phase)								
S5.6.10	W10	The following mitigation measures will be implemented to TCV East, North and West SPS, upgraded CMRSPS, proposed TCE West SPS and TCE East SPS 100% standby pump capacity with spare pump of 50% pump capacity - Dual-feed power supply - Wet well storage providing up to 6-hours ADWF capacity (equivalent to about 4 hours of response time during peak flow condition) (for TCW) and ADWF capacity to be constructed in accordance with the latest requirement of DSD's Sewerage Manual (for TCE); and - Emergency communication mechanism amongst relevant government departments.	To prevent the impact due to the emergency discharge at TCW and TCE	DSD (TCE: C3 TCW: C6, C10 & C11)	Proposed Sewage Pumping Stations in TCW (C6, C10 & C11) (TCV West SPS, TCV East SPS, TCV North SPS and Upgraded CMRSPS) and TCE (C3) (TCE West SPS and TCE East SPS)	Operational Stage	DSD's Sewerage Manual (Third Edition, May 2013)	To be implemented for operational stage
S5.6.10	W11	The following mitigation measures will be implemented to gravity sewers and rising mains - Adopt high density polyethylene (HDPE) pipe for proposed gravity sewers and rising mains. - Further protection on proposed rising mains with concrete surround will be provided to mitigate the risk of bursting.	To minimize the risk of bursting and hence bursting discharge from gravity sewers and rising mains	DSD (TCE: C3 & C7 TCW: C5, C6, C10 & C11)	Proposed rising mains within TCE (C3 & C7) and TCW (C5, C6, C10 & C11)	Operational Stage	-	Under implementation
S5.6.10	W12	<u>Maintenance Dredging for the Proposed Marina</u> Silt curtain should be deployed to reduce the sediment dispersion from the dredging inside the	To reduce the sediment dispersion	Future operator	Proposed marina in TCE	Operational Stage	-	Not applicable

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		marina. [TCE only]						

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<i>Sewage and Sewerage Treatment Implications</i>								
S6.5.4	SS1	Mitigation measures will be implemented to TCV East, North and West SPS, and upgraded CMRSPS to prevent the impact due to the emergency discharge, details please refer to W10.	To prevent the impact due to the emergency discharge at TCW and TCE	DSD (TCW: C6, C10 & C11) (TCE: C3)	Proposed Sewage Pumping Stations (TCV West SPS, TCV East SPS, TCV North SPS and Upgraded CMRSPS) at TCW Proposed Sewage Pumping Stations (TCE West SPS and TCE East SPS) at TCE	Operational stage	N/A	To be implemented for operational stage
S6.5.4	SS2	Mitigation measures will be implemented to TCV East, North and West SPS, and upgraded CMRSPS to prevent the impact due to the emergency discharge, details please refer to W10.						

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S6.5.4	SS3	The following mitigation measures will be implemented to prevent pipe bursting on Rising Mains within TCE and TCW: • Strong pipe – use HDPE pipe with welded joints • Concrete encasement – concrete surround all rising mains	To minimize the risk of bursting and hence bursting discharge from gravity sewers and rising mains	DSD (TCE: C3 & C7 TCW: C5, C6, C10 & C11)	Proposed rising mains within TCE (C3 & C7) and TCW (C5, C6, C10 & C11)	Operational stage	N/A	To be implemented for operational stage

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<i>Waste Management (Construction Waste)</i>								

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S7.4.1	WM1	<u>Good Site Practices</u> The following good site practices are recommended throughout the construction activities: • nomination of an approved personnel, such as a site manager, to be responsible for the implementation of good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site; • training of site personnel in site cleanliness, appropriate waste management procedures and concepts of waste reduction, reuse and recycling; • provision of sufficient waste disposal points and regular collection for disposal; • imposition of penalty system on Contractors' improper behaviours when illegal dumping and landfilling outside their respective construction sites, i.e. on nearby farmlands and riverbanks, are reported; • appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; • regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; and • the contractor should prepare a Waste Management Plan (WMP) as part of the Environmental Management Plan (EMP) in accordance with the ETWB TC(W) No. 19/2005 for construction phase. The EMP should be submitted to the Engineer for approval. Mitigation measures proposed in the EIA Report and the EM&A Manual should be adopted.	Minimize waste generation during construction	Contractors	All construction sites in TCE and TCW	Construction stage	• Waste Disposal Ordinance	Under implementation
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S7.4.1	WM2	<u>Waste Reduction Measures</u> Waste reduction is best achieved at the planning and design phase, as well as by ensuring the implementation of good site practices. The following recommendations are proposed to achieve reduction: - segregate and store different types of waste in different containers, skip or stockpiles to enhance reuse or recycling of materials and their proper disposal; - proper storage and site practices to minimize the potential for damage and contamination of construction materials; - plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste; - sort out demolition debris and excavated materials from demolition works to recover reusable/recyclable portions (i.e. soil, broken concrete, metal etc.); - provide training to workers on the importance of appropriate waste management procedures, including waste reduction, reuse and recycling.	Reduce waste generation	Contractors	All construction sites in TCE and TCW	Construction stage	Waste Disposal Ordinance	Under implementation

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S7.4.1	WM3	<u>Storage of Waste</u> The following recommendation should be implemented to minimize the impacts: - waste such as soil should be handled and stored well to ensure secure containment; and - Depends on actual site activities, certain locations within the site area would be used for storage of waste to enhance reuse. However, there would not be any designated location for storage of waste, and the storage locations would need to be adjusted to suite actual site conditions;	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractors	All construction sites in TCE and TCW	Construction stage	- Land (Miscellaneous Provisions) Ordinance - Waste Disposal Ordinance - ETWB TCW No. 19/2005	Under implementation
S7.4.1	WM4	<u>Collection and Transportation of Waste</u> The following recommendation should be implemented to minimize the impacts: - remove waste in timely manner; - employ the trucks with cover or enclosed containers for waste transportation; - obtain relevant waste disposal permits from the appropriate authorities; and - disposal of waste should be done at licensed waste disposal facilities.	Minimize waste impacts from storage	Contractors	All construction sites in TCE and TCW	Construction stage	Waste Disposal Ordinance	Under implementation

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S7.4.1	WM5	<u>Excavated and C&D Materials</u> Wherever practicable, C&D materials should be segregated from other wastes to avoid contamination and ensure acceptability at public fill reception facilities or reclamation sites. The following mitigation measures should be implemented in handling the excavated and C&D materials: - maintain temporary stockpiles and reuse excavated fill material for backfilling; - carry out on-site sorting; - make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; and - implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified, so as to avoid the illegal dumping and landfilling of C&D materials on farmlands/ riverbanks at TCW; The recommended C&D materials handling should include: - On-site sorting of C&D materials - Reuse of C&D materials - Use of Standard Formwork and Planning of Construction Materials purchasing	Minimize waste impacts from excavated and C&D materials	Contractors	All construction sites in TCE and TCW	Construction Stage	- Land (Miscellaneous Provisions) Ordinance - Waste Disposal Ordinance - ETWB TCW No. 19/2005 - Project Administrative Handbook for Civil Engineering Works, 2012 Edition (Note: updated to 2024 Edition)	Under implementation

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S7.4.1	WM6	<u>Provision of Wheel Wash Facilities</u> Wheel wash facilities have to be provided at the site entrance before the trucks leaving the works area. Dust disturbance due to the trucks transportation to the public road network could be minimized by such arrangement.	Minimize waste impacts from trucks transportation	Contractors	All construction sites in TCE and TCW	Construction Stage	N/A	Under implementation
S7.4.1	WM7	<u>Excavated Contaminated Soil</u> As a precaution, it is recommended that standard good site practice should be implemented during the construction phase to minimize any potential exposure to contaminated soils or groundwater. [TCW only]	Remediate contaminated soil	Contractors (TCW: C5, C6, C10 & C11)	All construction sites in TCW (C5, C6, C10 & C11), where applicable	Construction stage	Practice Guide for Investigation and Remediation of Contaminated Land (Note: updated in Apr 2023)	Completed (TCW: C5, C6, C10 & C11)

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S7.4.1	WM8	<u>Excavated Marine Sediments</u> Reference has been made to the sediment testing results. Possible mitigation measures to handle the contaminated/ uncontaminated sediment are summarized as follows. - All construction plant and equipment shall be designed and maintained to minimise the risk of silt, sediments, contaminants or other pollutants being released into the water column or deposited in the locations other than designated location. - All vessels shall be sized such that adequate draft is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash. - Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.	Handle excavated sediment	Contractor	All construction sites where applicable	Construction stage	ETWB-TCW 34/2002	Not applicable [Note: No excavated marine sediments in both TCE & TCW.]

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S7.4.1	WM9	<u>Dumping of excavated sediment</u> - Keep and produce logs and other records to demonstrate compliance and ensure journeys are consistent with designated locations - Comply with the conditions in the dumping permit. - All bottom dumping vessels (hopper barges) shall be fitted with tight fittings seals to their bottom openings to prevent leakage of material. - The excavated sediment shall be placed into the disposal pit by bottom dumping. - Contaminated marine mud shall be transported by split barge of not less than 750m³ capacity and capable of rapid opening and discharge at the disposal site. - Discharge shall be undertaken rapidly and the hoppers shall be closed immediately. Sediment adhering to the sides of the hopper shall not be washed out of the hopper and the hopper shall remain closed until the barge returns to the disposal site. - For Type 3 special disposal treatment, sealing of contaminant with geosynthetic containment before dropping into designated mud pit. A geosynthetic containment method is a method whereby the sediments are sealed in geosynthetic containers and, the containers would be dropped into the designated contaminated mud pit where they would be covered by further mud disposal and later by the mud pit capping at the disposal site, thereby fulfilling the requirements for fully confined mud disposal.	Handle excavated sediment	Contractor	All construction sites where applicable	Construction stage	ETWB-TCW 34/2002	Not applicable [Note: No excavated marine sediments in both TCE & TCW.]
S7.4.1	WM10	<u>Chemical Waste</u>	Control the chemical waste and ensure proper	Contractors	All construction	Construction stage	Waste Disposal (Chemical Waste)	Under implementation

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		If chemical wastes are produced at the construction site, the Contractors should register with EPD as chemical waste producer. Chemical wastes should be stored in appropriate containers and collected by a licensed chemical waste collector. Chemical wastes (e.g. spent lubricant oil) should be recycled at an appropriate facility as far as possible, while the chemical waste that cannot be recycled should be disposed of at either the Chemical Waste Treatment Centre, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	storage, handling and disposal.		sites in TCE and TCW		General) Regulation • Code of Practice on the Packaging, Labelling and Storage of Chemical Waste	
S7.4.1	WM11	<u>General Refuse</u> • General refuse should be stored in enclosed bins separately from construction and chemical wastes. Recycling bins should also be placed to encourage recycling. • Preferably enclosed and covered areas should be provided for general refuse collection and routine cleaning for these areas should also be implemented to keep areas clean. • A reputable waste collector should be employed to remove general refuse on a daily basis.	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractors	All construction sites in TCE and TCW	Construction stage	• Waste Disposal Ordinance	Under implementation
S7.4.1	WM12	<u>Floating Refuse accumulated along the seawall</u> The floating refuse along seawall should be collected to avoid accumulation. In addition, proper seawall design should be employed, and regular checking and cleaning of floating refuse should be implemented.	Control floating refuse and ensure proper disposal	Contractor (TCE: C1)	Construction sites in TCE (C1) along seawall	Construction stage	• Waste Disposal Ordinance	Completed

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		[TCE only]						
Waste Management (Operational Waste)								
S7.4.2	WM13	<u>Illegal dumping and landfilling</u> Should there be illegal dumping and landfilling observed/ reported, the government authority should take all necessary actions including but not limited to prosecution to remediate the circumstances.	Prevent waste from illegal dumping and landfilling	EPD / Relevant government departments	All areas in TCE and TCW	Operational stage		To be implemented
S7.4.2	WM14	<u>Municipal Solid Waste</u> - A reputable waste collector should be employed to remove general refuse on a daily basis. - A 4-bin recycling system for paper, metals, plastics and glass should be adopted together with a general refuse bin. They should be placed in prominent places to promote waste separation at source. All recyclable materials should be collected by recyclers.	Remove general refuse generated from the proposed development	FEHD / Relevant Operators	All areas in TCE and TCW	Operational stage	• Waste Disposal Ordinance	To be implemented
S7.4.2	WM15	<u>Chemical Waste</u> - Localized chemical waste storage areas should be located close to the source of waste generation for temporary storage. Drum-type containers with proper labelling should be used to collect chemical wastes for storage at the designated areas. - A licensed collector should be employed for the chemical waste collection and the chemical wastes should be disposed at an appropriate facility, such as Chemical Waste Treatment	Reduce chemical waste due to waste handling	Relevant Operators	All areas in TCE and TCW	Operational stage	• Waste Disposal Ordinance	To be implemented

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		Centre (CWTC) in Tsing Yi. Collection receipts issued by the licensed collector showing the quantities and types of chemical waste taken off-site and details of the treatment facility should be kept for record.						
S7.4.2	WM16	<u>Floating Refuse accumulated along seawall</u> The floating refuse along seawall should be collected to avoid accumulation. [TCE only]	Control floating refuse and ensure proper disposal	MD	Along seawall in TCE	Operational stage	Waste Disposal Ordinance	To be implemented
S7.4.2	WM17	<u>Floating Refuse inside Marina</u> Floating refuse at the marina will be collected and disposed by the licensed waste collector and as required. [TCE only]	Reduce floating refuse washing up onto marina by currents and wind	Future operator	Marina in TCE	Operational stage	Waste Disposal Ordinance	Not applicable

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<i>Land Contamination</i>								

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S8.4.1	LC1	Undertaking environmental Site Inspection (SI) for all potentially contaminated sites as listed in the Contamination Assessment Plan (CAP). [TCW only]	Verify the land contamination potential before the commencement of construction	CEDD / Contractors (TCW: C5, C6, C10 & C11) / Private developers	All potentially contaminated sites in TCW as listed in the CAP	Prior to the construction stage	• Annex 19 of the TM-EIAO, Guidelines for Assessment of Impact On Sites of Cultural Heritage and Other Impacts (Section 3 : Potential Contaminated Land Issues) (Note: updated on 30 Jun 2023); • Guidance Manual for Use of Risk-Based Remediation Goals (RBRGs) for Contaminated Land Management (Note: updated in Apr 2023); • Guidance Notes for Contaminated Land Assessment and Remediation (Note: updated in Apr 2023); and • Practice Guide for Investigation and Remediation of Contaminated Land (Note: updated in Apr 2023) • Recommendations in Health Risk Assessment	Completed (C5, C6 & C10) Under implementation (C11)
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S8.4.2	LC2	Re-appraisal would be required for the surveyed sites, other remaining areas of the PDAs and the works areas for the associated infrastructures because the development of these sites/ areas would only commence a number of years later, which may allow changes in the land usage of these sites and may give rise to potential land contamination issues. The Project Proponent's appointed consultant would prepare a supplementary CAP presenting the findings of the re-appraisal and strategy of the recommended SI, if required, and submit to EPD for review and approval. [TCW only]	To assess the latest site situation and identify any potential additional hot spots and contaminated sites.	CEDD / Contractors (TCW: C5, C6, C10 & C11) / Private developers	All the surveyed sites as listed in the CAP, other remaining areas of the PDAs and works areas for the associated infrastructures in TCW	Prior to the construction of the area	Ditto	Completed (C5, C6 & C10) Under implementation (C11)
S8.5	LC3	After approval of the supplementary CAP and upon completion of the SI works, the PP should prepare and submit a Contamination Assessment Report (CAR) for all potentially contaminated sites listed in the CAP to EPD for agreement. [TCW only]	Present the findings of SI and evaluate the level and extent of potential contamination	CEDD / Contractors (TCW: C5, C6, C10 & C11) / Private developers in TCV-1 (Area 60)	All the surveyed sites as listed in the CAP, other remaining areas of the PDAs and works areas for the associated infrastructures in TCW	Prior to the construction of the area	Ditto	Completed (C5, C6 & C10) Under implementation (C11)

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S.8.5	LC4	Preparation and submission of Remediation Action Plan (RAP) to EPD for agreement if land contamination is confirmed. [TCW only]	Recommend appropriate mitigation measures for the contaminated soil and groundwater identified in the assessment if remediation is required	CEDD / Contractors (TCW: C5, C6, C10 & C11) / Private developers in TCV-1 (Area 60)	All the surveyed sites as listed in the CAP, other remaining areas of the PDAs and works areas for the associated infrastructures in TCW	Prior to the construction of the area	Ditto	Completed (C5, C6 & C10) Under implementation (C11)
S.8.5	LC5	Preparation and submission of Remediation Report (RR) to EPD for agreement. [TCW only]	Demonstrate that the decontamination work is adequate and is carried out in accordance with the endorsed CAR and RAP	CEDD / Contractors (TCW: C5, C6, C10 & C11) / Private developers in TCV-1 (area 60)	All the surveyed sites as listed in the CAP, other remaining areas of the PDAs and works areas for the associated infrastructures in TCW	Prior to the construction of the area	Ditto	Completed (C5, C6 & C10) Under implementation (C11)

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Ecology (Design Phase)								
S9.8.1	EC1	Development under the Project have avoided all the recognised sites of conservation importance, including Country Parks, SSSIs, EISs, and existing / proposed Marine Parks	To protect the recognised sites of conservation importance and habitats inside	PlanD	TCE and TCW	RODP / Design Phase	• Not available	Completed in OZP (Ref.: S/I-TCE/2, S/I-TCV/3, S/I-TCTC/24)
S9.8.1	EC2	About 30m buffer zone at the two main branches and the joined outlet section of Tung Chung Stream; and about 20m buffer for the major tributary at Ngau Au of Tung Chung Stream [TCW only]	To protect the Tung Chung Stream	PlanD	Tung Chung Stream in TCW	RODP / Design Phase	• Plan on Provision of Buffer Zones	Completed
S9.8.2	EC3	Detailed designs should avoid the encroachment of important habitats (e.g. Fung Shui Wood) within the Project Site [TCW only]	To protect the important habitats within Project Site	PlanD	TCW	Design Phase	• Not available	Completed
S9.8.2	EC4	Detailed designs of noise barriers to prevent bird collision	To prevent bird collision	CEDD (TCE: C3 and TCW: C6) / HyD	Noise barriers in TCE and TCW	Design Phase	• Guidelines on Design of Noise Barriers (Note: updated in Dec 2022)	Under implementation

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S9.8.2	EC5	Mitigation measures will be implemented to TCV East, North and West SPS, and upgraded CMRSPS to prevent the impact due to the emergency discharge, details please refer to W10.						
Ecology (Construction Phase)								
S9.8.2	EC6	Adoption of non-dredged reclamation method [TCE only]	To maintain the marine water quality	Contractor (TCE: C1)	Reclamation area in TCE	Construction phase	- EIA - Contractual requirements	Completed
S9.8.3	EC7	Compensation woodland planting	To compensate loss of woodland, fung shui wood and orchard	Contractors (TCE: C2 & C3 TCW: C6)	Uphill of Sheung Ling Pei FSW and Tung Chung Road	Construction phase	- EIA - Contractual requirements - Detailed Compensatory Woodland Planting Plan	Completed
S9.8.3	EC8	Planting of emergent plant [TCW only]	To provide habitats for this Jhora Scrub Hopper, and to compensate the loss of their habitats (wet abandoned agricultural land) in northern section of Fong Yuen	DSD Contractor (TCW: C6)	Inside River Park in TCW	Construction phase	- EIA - Contractual requirements - River Park Plan	Under implementation

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S9.8.3	EC9	Capture-and-translocation exercise [TCW only]	Minimize the potential impact to amphibian species of conservation importance including Romer's Tree Frog and Chinese Bullfrog due to site formation	For public works, provided by CEDD / Contractor (TCW: C6, C10 & C11) responsible for the construction of those public works or the site formation works For TCV-1 (Area 60) and TCV-5 (Area 71A, 71B), where the lands within mostly belong to private lots, the future project proponents of those private lots, via the established mechanism for land transaction application	Public works near the eastern branch of Tung Chung Stream, in particular 1) the River Park, 2) the Distributor Road along the eastern branch of Tung Chung Stream, 3) the road upgrade along the existing Shek Mun Kap Road, and 4) the attenuation and treatment ponds in TCV-1, TCV-a, TCV-c, TCV-e, TCV-g, TCV-k, and TCV-n in TCW Also be required on private land in TCV-1 (Area 60) and TCV-5 (Area 71A, 71B) in TCW	Capture-and-translocation exercise before commencement of site formation	• EIA • Contractual requirements • Explanatory statement of the OZP (for private lots) • Habitat Enhancement and Translocation Plan for Amphibian Species of Conservation Importance	• Completed for C6, C10 & C11 on public works or site formation works
S9.8.3	EC10	Preservation and/or Transplantation of plant species of conservation importance and the following monitoring of	Protection of plant species of conservation importance	For public works, provided by CEDD / Contractors (TCE: C2 & C3	Within construction sites in TCE (C2 & C3) and TCW (C5,	For preservation and/or transplantation, before commencement	• EIA • Contractual requirements • Explanatory	• Under implementation for C2, C3, C5, C6, C10 & C11 on public works or site formation

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		preserved/transplanted plant individuals		and TCW: C5, C6, C10 & C11) responsible for the construction of those public works or the site formation works For TCV-1 (Area 60), where the lands within mostly belong to private lots, the future project proponents of those private lots, via the established mechanism for land transaction application	C6, C10 & C11) and their receptor sites during construction and establishment periods All areas for public works Also be required on private land in TCV-1 (Area 60) in TCW	of site formation, construction period and establishment period.	statement of the OZP (for private lots) • Detailed Preservation and/or Translocation Plan for Plant Species of Conservation Importance	works • To be implemented for TCV-1 (Area 60) on private land

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S9.8.3	EC11	Defining and maintaining construction site boundaries (including erection of site hoarding, fences etc.) [TCW only]	Screen construction disturbance to the nearby habitats	Contractors (TCW: C5, C6, C10 & C11)	Along the boundary of construction sites and buffer zones of Tung Chung Streams, along the boundary of mature woodland and Fung Shui Wood, and along the boundary between TCV-6 (Area 42 as handled by HD) and the middle section of Fong Yuen in TCW (C5, C6, C10 & C11)	Before commencement of site formation	• EIA • Contractual requirements	Under implementation
S9.8.3	EC12	Protection of Tung Chung Stream [TCW only]	Minimize the potential water pollution due to construction of road crossings or other works near Tung Chung Stream	Contractor (TCW: C6, C10 & C11)	Within construction sites in TCW (C6, C10 & C11)	Construction phase	• EIA • Contractual requirements	Under implementation

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S9.8.3	EC13	Implementation of standard site practices	Minimize the potential impact due to dust, noise and runoff during construction phase	Contractors	Within construction sites in TCE and TCW	Construction phase	• EIA • Contractual requirements	Under implementation
S9.8.4	EC14	Adopting Eco-shoreline design [TCE only]	To mitigate the impact of the marine loss	CEDD (TCE: C1)	Along seawall in TCE (C1)	Construction stage	• EIA • Contractual requirements • Eco-shoreline Implementation Plan	Completed
S9.8.4	EC15	Strict enforcement on no-dumping (marine) [TCE only]	Minimise the potential impact to marine habitats	Contractor (TCE: C1 & C3)	In reclamation area as well as all works area and travel route of works vessels in TCE (C1 & C3)	Before and during construction phase	• EIA • Contractual requirements	Completed (TCE: C1) Under implementation (TCE: C3)
S9.8.4	EC16	Spill response plan [TCE only]	Minimise the potential impact to marine habitats	Contractor (TCE: C1)	In reclamation area as well as all works area and travel route of works vessels in TCE (C1)	Before and during construction phase	• EIA • Contractual requirements • Spill Response Plan	Completed

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S.9.8.4	EC17	Control and minimization of marine traffic by including using larger-sized barges, land transportation of materials, reuse of excavation and C&D materials and speed limits & regular routes of works vessels [TCE only]	Reduce marine traffic	Contractor (TCE: C1 & C3)	In reclamation area as well as all works area and travel route of works vessels in TCE (C1)	Construction phase	- EIA - Contractual requirements - Works Vessel Travel Route Plan	Under implementation (C3) Completed (C1)
S9.8.4	EC18	Dolphin exclusion zone and dolphin watching plan [TCE only]	Protection of CWD	Contractor (TCE: C1)	In reclamation area as well as all works area in TCE (C1)	Construction phase	- EIA - Contractual requirements - Dolphin Watching Plan	Completed
S9.8.4	EC19	Speed limits and regular routes of works vessels; Prepare and submit a “Works Vessel Travel Route Plan” [TCE only]	Protection of CWD	CEDD / Contractor (TCE: C1 & C3) / ET of TCE	In reclamation area as well as all works area in TCE (C1)	Construction phase	- EIA - Contractual requirements - Works Vessel Travel Route Plan	Under implementation (C3) Completed (C1)
S9.11.1	EC20	Monitoring of compensatory planting woodland	Monitor the survival of trees and establishment of the woodland	CEDD / Contractors (TCE: C2 & C3 TCW: C6)	Areas of compensatory woodland planting in TCE and TCW	Quarterly for at least 3 years and further 7 years by CEDD/further contractor(s) after completion of planting works	- EIA - Contractual requirements - Detailed Compensatory Woodland Planting Plan	Under implementation

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S9.11.1	EC21	Monitoring of translocated amphibians [TCW only]	Monitor the effectiveness of the translocation programme	Public works: CEDD / Contractor (C6, C10 & C11) Private lots: Private developers	Release sites for translocated amphibians in TCW	After translocation exercise. At least three surveys in each release site in TCW during the breeding seasons of Romer's Tree Frog (March to September) and Chinese Bullfrog (March to September)	• EIA • Contractual requirements • Explanatory statement of the OZP (for private lots) • Habitat Enhancement and Translocation Plan for Amphibian Species of Conservation Importance	Under implementation for C10 & C11 [Note: No amphibian found in capture surveys conducted for C6]

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S9.11.1	EC22	Monitoring of preserved / transplanted plant species	Monitor and evaluate the effectiveness of the preservation and transplantation programme.	Public works: CEDD / Contractors (TCE: C2 & C3 and TCW: C5, C6, C10 & C11) Private lots: Private developers	Construction sites for preserved plants; recipient sites for transplanted plants	After transplantation or preservation. For transplanted individuals, for two years, monthly for the first year, and then quarterly for the second year. For the preserved individuals, monthly throughout the construction period.	• EIA • Contractual requirements • Explanatory statement of the OZP (for private lots) • Detailed Preservation and/or Translocation Plan for Plant Species of Conservation Importance	• Under implementation for public works
S9.11.1	EC23	Monitoring of Tung Chung Stream and Wong Lung Hang Stream EISs	Protect the EISs	CEDD / ET of TCW for monitoring of Tung Chung Stream in TCW / ET of TCE for monitoring of Wong Lung Hang Stream	Tung Chung Stream in TCW and Wong Lung Hang Stream in TCE	Construction phase and post-construction phase	• EIA • Contractual requirements	• Under implementation for TCW • Not applicable for TCE (C2 only) [Note: Monitoring of Wong Lung Hang Stream in TCE not needed in further environmental review (applicable to C2 only)]

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9.11.2	EC24	Monitoring of Tung Chung Bay and Tai Ho Wan [TCE only]	Protect Tung Chung Bay and Tai Ho Wan	CEDD / ET of TCE	Tung Chung Bay and Tai Ho Wan in TCE	Construction phase and post-construction phase	• EIA • Contractual requirements	Completed
<i>Ecology (Operational Phase)</i>								
S9.11.1	EC25	Monitoring of emergent plant inside River Park [TCW only]	Monitor the survival of emergent plant	DSD Contractor (TCW: C6)	Three months after completion of planting in River Park in TCW	Quarterly for 2 years after completion of planting works	• EIA • Contractual requirements • River Park Plan	To be implemented
9.11.2	EC26	Eco-shoreline monitoring [TCE only]	Monitor the colonisation and establishment of fauna and/or flora, water quality, and recruitments of fisheries species	CEDD Contractor (TCE: C3)	Eco-shoreline at TCE PDA reclamation	Post-construction phase, twice in wet and dry seasons respectively, at least 3 years, subject to review on monitoring extension	• EIA • Contractual requirements • Eco-shoreline Implementation Plan	Under implementation

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Fisheries								
S10.8	F1	Good Site Practices [TCE only]	To protect the fisheries resources	Contractors (TCE: C1, C2, C3 & C7)	In reclamation area and construction sites of TCE (C1, C2, C3 & C7)	Construction phase	- EIA - Contractual requirements	Under implementation Completed (C1)
S10.8	F2	No dumping [TCE only]	To protect the fisheries resources	Contractors (TCE: C1, C2, C3 & C7)	In reclamation area and construction sites of TCE (C1, C2, C3 & C7)	Construction phase	- EIA - Contractual requirements	Under implementation Completed (C1)
S10.8	F3	Spill response plan [TCE only]	To protect the fisheries resources	Contractors (TCE: C1)	In reclamation area and construction sites of TCE (C1)	Construction phase	- EIA - Contractual requirements - Spill Response Plan	Completed
S10.9	F4	Follow the mitigation measures proposed in the water quality assessment for the construction and operation phases of the project. [TCE only]	To protect the fisheries resources	Contractor (TCE: C1)	Waters in Northern Lantau and construction sites of TCE (C1)	Construction phase and operation phase	- EIA - Contractual requirements	Completed

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S10.9	F5	Follow the mitigation measure of eco-shoreline in ecology chapter for the construction and operation phases of the project. [TCE only]	To enhance the fisheries resources	Contractor (TCE: C1)	Eco-shorelines and construction sites of TCE (C1)	Construction phase and operation phase	• EIA • Contractual requirements	Completed

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<i>Landscape and Visual (Construction Phase)</i>								
S11.7 MM1	LV1	Optimisation of Construction Areas & Providing Temporary Landscape on Temporary Construction – Construction areas' control shall be enforced, where possible, to ensure that the landscape and visual impacts arising from the construction activities are minimised. It includes reduction of the extent of working areas and temporary works areas, management on storing and using the construction equipment and materials, and consideration of detailed schedules to shorten the construction period. Temporary landscape treatments are considered to be adopted such as applying hydro-seeding on temporary stockpiles and reclamation areas to alleviate the potential impacts.	Minimise the landscape and visual impacts arising from the construction activities	CEDD / Contractors / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Through-out TCE area and TCW area	Construction Phase		Under implementation

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S11.7 MM2	LV2	Minimize Topographical Change – The footprint of construction elements and temporary works areas should be optimised to reduce topographical/ landform changes, as well as reduce land take and interference with natural terrain. Where there is a need to significantly cut into the existing landform, retaining walls and cut slopes should be considered as appropriate. To minimize landform changes and land resumption, earthworks and engineered slopes should be designed to be a visually interesting, compatible with the surrounding landscape and to mimic the natural contouring and terrain as appropriate.	Reduce topographical changes and minimize land resumption	CEDD / Contractors / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Through-out TCE area and TCW area	Prior to Construction & Construction Phase	GEO Publication No.1/2011, Technical Guidelines on Landscape Treatment for Slopes	Under implementation

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S11.7 MM3	LV3	Preservation of Potentially Registerable OVTs, Rare and Protective Vegetation – Existing trees to be retained within the Project Site should be carefully protected during construction. In particular Potentially Registerable OVTs are considered to be preserved according to DEVB TC(W) No. 5/2020. Rare and Protective Vegetation shall be protected following Forestry Regulations (Cap.96) and Protection of Endangered Species of Animals and Plants Ordinance (Cap.586). Detailed Tree Protection Specification shall be provided in the Contract Specification according to DEVB TCW No. 4/2020 Tree Preservation. Following DEVB (GLTM) Guidelines for Tree Preservation during Development, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas. A detailed tree survey will be carried out for the Tree Preservation and Removal Proposal (TPRP) process which will be carried out at the later detailed design stage of the Project. The detailed tree survey will propose which trees should be retained, transplanted or felled and will include details of tree protection measures for those trees to be retained.	Protect and Preserve Trees	CEDD / Contractors (TCE: C2, C3 & C7 and TCW: C5, C6, C10 & C11) / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	TCE area (C2, C3 & C7) and TCW area (C5, C6, C10 & C11)	Prior to Construction & Construction Phase	• DEVB TC(W) No. 5/2020 (Note: amended on 12 Apr 2023) and DEVB TC(W) No. 4/2020 (Note: amended on 12 Apr 2023). • Greening, Landscape and Tree Management Section (GLTM) of the Development Bureau, Guidelines on Tree Preservation during Development (April, 2015)	Under implementation

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S11.7 MM4	LV4	Transplanting of Existing Trees – Trees unavoidably affected by the Project works should be transplanted where practical. Trees should be transplanted straight to their final receptor locations within the site and not held in a temporary nursery as far as possible. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, where applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme. A detailed transplanting proposal will be submitted to relevant government departments for approval in accordance with DEVB TCW 5/2020 and LAO PN 6/2023 and final locations of transplanted trees should be agreed prior to commencement of the work. For trees associated with highways e.g. roadside planting along highways, that are unavoidably affected and should be transplanted. HyD HQ/GN/13 ‘Interim Guidelines for Tree Transplanting Works under Highways Department’s Vegetation Maintenance Ambit’ should be referred to.	Transplant Trees where suitable for transplantation	CEDD / Contractors (TCE: C2, C3 & C7 and TCW: C5, C6, C10 & C11) / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Onsite in TCE area (C2, C3 & C7) and TCW area (C5, C6, C10 & C11), where possible, otherwise consider offsite locations	Prior to Construction & Construction Phase	• DEVB TC(W) No. 5/2020 (Note: amended in 2023) and LAO PN 6/2023. • HyD HQ/GN/13 Interim Guidelines for Tree Transplanting Works under Highways Department’s Vegetation Maintenance Ambit • GLTM of the Development Bureau, Guidelines on Tree Preservation during Development (April, 2015)	Under implementation

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S11.7 MM5	LV5	Screen hoarding – To reduce negative visual impact, construction site hoarding should be erected around the site to screen pedestrian level views into the construction area from visual sensitive receivers. Hoarding design should consider greening measures such as colour and form should be adopted to improve its visual appearance.	To screen undesirable views of the work site.	CEDD / Contractors and TCW / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Through-out TCE area and TCW area	Construction Phase		Under implementation
S11.7 MM6	LV6	Adopting Non-dredge Method for the Reclamation – In order to minimize the potential adverse impacts caused by the reclamation, a number of alternative construction methodologies has been critically examined. After considering all the options such as fully dredged, partially dredged and non-dredged methods for seawall construction and reclamation, non-dredged method for both the seawall construction and reclamation are recommended so as to minimize the generation of dredged sediment. [TCE only]	Minimize the potential adverse impacts caused by the reclamation	CEDD / Contractor (TCE: C1)	TCE area (C1)	Construction Phase	Foreshore and Sea-bed (Reclamations) Ordinance (Cap.127)	Completed

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S11.7 MM7	LV7	Protection of Natural Rivers and Streams – For all the natural rivers and streams inside the development area, in accordance with ETWB TCW 5/2005, consideration of protection measures should be made to minimize any impacts from the construction works, especially those development near Tung Chung Stream. According to the latest RODP/OZP, a 30m buffer zone is zoned as “CA”, “CPA” and “OU”. Precast structures or other similar approaches will be used to prevent / minimise any construction works in river and thus to avoid any direct water quality impact. Good site management as stipulated in ProPECC PN1/94 will be fully implemented to avoid polluted liquid or solid wastes from falling into the river waters. [TCW only]	Protection of Natural Rivers and Streams Minimize the impacts from the construction works	CEDD / Contractor (TCW: C6, C10 & C11) / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Through-out TCW area (C6, C10 & C11)	Prior Construction to & Construction Phase	• EPD ProPECC PN1/94 Construction Site Drainage (Note: updated to PN 2/24) • DSD Technical Circular No. 2/2004. • ETWB TC(W) No.5/2005 Protection of natural streams/rivers from adverse impacts arising from construction works • Plan on Provision of Buffer Zones	Under implementation
S11.7 MM8	LV8	Preservation of Natural Coastline – The natural coastline along the proposed “RO” of the RODP in TCW should be preserved. The remaining natural shorelines in Tung Chung Bay including sandy shores close to the Tung Chung old pier will be conserved as a Waterfront Park according to the latest RODP. [TCW only]	Preservation of Natural Coastline	CEDD / Other Relevant Government Departments (as appropriate)	Onsite in TCW (C5), where possible	Prior Construction to & Construction Phase		Under implementation

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S11.7 MM9	LV9	Providing Natural Rock Material/ Planting for Artificial Seawall – There would be inevitable permanent losses of marine waters (seabed and water column), and direct impacts on existing artificial seawalls due to the reclamation. To minimize the impacts, the design of the future seawall like ‘eco-shoreline’ could be improved to provide high ecological functions and mitigate the impact of the loss. An ‘eco-shoreline’ is any shoreline which provides beneficial functions to the local ecosystem through a range of active or passive solutions, whilst providing coastal protection. By means of using natural rock materials for artificial seawall and considering to introduce a native vegetation buffer directly behind the top of seawalls as appropriate to create habitat, shelter and a source of food for benefiting both terrestrial and aquatic species along the foreshore, these measures can help to enhance the ecological functions and ‘natural-look’ of the shoreline, and the potential impacts will be mitigated. [TCE only]	Mitigate the impacts on existing artificial seawalls	CEDD / Other Relevant Government Departments (as appropriate)	Onsite in TCE (C1)	Prior Construction to & Construction Phase	Eco-shoreline Implementation Plan	Completed
Landscape and Visual (Operational Phase)								

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S11.7 MM10	LV10	Compensatory Planting – Compensatory planting for felled trees shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Removal Application process under DEVB TCW No. 10/2013 and LAO PN 7/2007. The location of compensatory planting is proposed at the potential open areas such as open spaces, amenity areas, open areas of the streetscapes including roadside planting, as well as the open areas within development lots. The species to be planted should be all native species, taken “Characteristics of Major Local Tree Species Propagated by AFCD” as a reference. A search of species to be planted will be conducted in a further detailed stage.	Compensate for trees and shrubs lost due to the Project	CEDD / Contractors (TCE: C2, C3 & C7) and TCW: C5, C6, C10 & C11) / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Onsite in TCE (C2, C3 & C7) and TCW (C5, C6, C10 & C11), where possible	Prior to Construction, Construction Phase & Maintenance in Operation Phase	• DEVB TC(W) No.10/2013 (Note: updated version DEVB TC(W) No. 7/2015) and LAO PN 7/2007 (Note: updated version of LAO Practice Note No. 2/2020). • GLTM of the Development Bureau, Guidelines on Tree Preservation during Development (April, 2015)	• Under implementation

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S11.7 MM11	LV11	Woodland Restoration – A search of area to mitigate the loss of woodland has been conducted. Priority has been given to the practicability of compensation of woodland within the boundary of RODP/OZP. Given the nature of the project is to provide development opportunities to satisfy the needs for the society in general and the aspirations of local communities, compensation of woodland is only possible for the areas beyond the RODP/OZP. It is considered that the areas adjoining the woodlands near the existing services reservoirs, and hillsides to the east of Tung Chung Road, would be suitable locations. The advantage of these locations is that there are existing woodlands immediately downhill to the location and the Sheung Ling Pei Fung Shui Wood is further downhill behind Sheung Ling Pei Village, planting new woodland areas adjoining existing woodlands would form an ecological linkage and increase the overall habitat size, and hence would help to enhance the ecological and landscape values in the long run. It is noted that the compensation trees for landscape impacts will also be planted near the future service reservoirs. The tree species to be planted should be all native species for woodland compensation, and the two areas uphill to Sheung Ling Pei should also make reference to the existing tree species reported in Fung Shui Woods habitat.	Reprovide areas of woodland to compensate for those areas of quality woodland lost	CEDD / Contractors (TCE: C2 & C3 and TCW: C6)	Areas adjoining the woodlands near the existing service reservoirs in TCE and hillsides to the east of Tung Chung Road in TCW	Prior to Construction, Construction Phase & Maintenance in Operation Phase	• DEVB Technical Circular Works 10/2013- Tree Preservation (Note: updated version DEVB TC(W) No. 7/2015) • GLTM of the Development Bureau, Guidelines on Tree Preservation during Development (April, 2015) • Detailed Compensatory Woodland Planting Plan	Under implementation

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S11.7 MM12	LV12	Screen Planting – Tall screen/buffer trees and shrubs should be planted to screen proposed structures such as roads and buildings. This measure will form part of the compensatory planting and will improve compatibility with the surrounding environment and create a pleasant pedestrian environment.	To screen proposed structures Improve compatibility with the surrounding environment	CEDD / Contractors (TCE: C2, C3 & C7 and TCW: C5, C6, C10 & C11) / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Through-out the working sites of the TCE area (TCE: C2, C3 & C7) and TCW area (C5, C6, C10 & C11)	Prior to Construction, Construction Phase & Maintenance in Operation Phase	HyD HQ/GN/15– Guidelines for Greening Works along Highways.	To be implemented
S11.7 MM13	LV13	Roadside Planting – Roadside greening is proposed alongside all roads within the possible developments. It will enhance local identity, if theme planting is used, and reduce visual impact through screening. At-grade road planting should be considered along central dividers and on road islands e.g. in the middle of roundabouts.	Soften the hard, straight edges and provide greening along the roads; Improve the visual amenity	Relevant Government Departments	Along new roads, and on appropriate viaducts in TCE (C2, C3 & C7) and TCW (C5, C6, C10 & C11)	Prior to Construction, Construction Phase & Maintenance in Operation Phase	- HyD HQ/GN/15– Guidelines for Greening Works along Highways. - Development Bureau Technical Circular Works No.2/2012 – Allocation of Space for Quality Greening on Roads (Note: updated version No. 3/2024)	To be implemented

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S11.7 MM14	LV14	Aesthetic Design of Built Development – The planning of the revised RODP/OZP has considered reducing potential visual impacts, enhancing visual amenity and keeping visual corridors. The proposed development will ensure the building massing is compatible with its surrounding. To improve visual amenity, natural building materials could be used on building facades. For example, stone and timber should be considered for architectural features; light earthy tone colours such as shades of green, shades of grey, shades of brown and off-white should be considered for the façade treatment to reduce the visibility of the development components. The form, textures, finishes and colours of the proposed development components should aim to be compatible with the existing surroundings. It would only be implemented for public developments/projects.	Improve visual amenity of the new buildings, keep visual corridors and integrate as possible into the surrounding landscape	Relevant Government Departments / Private Sectors	Through-out the TCE area (C2, C3 & C7) and TCW area (C5, C6, C10 & C11)	Prior to Construction, Maintenance in Operation Phase	- Hong Kong Planning Standards and Guidelines (HKPSG) issued by the Planning Department (As at Aug 2011) (Note: updated in January 2024); - PNAP APP-152, Sustainable Building Design Guidelines (Note: updated version in September 2023)	Under implementation

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S11.7 MM15	LV15	Maximise Greening on Structures – The Government has been actively promoting greening in buildings and structures such as bridges to improve the environment. This includes actively implementing rooftop greening or vertical greening, as where practicable to enhance the cityscape and mitigate the heat island effect in urban areas. For the new built forms in TCW and TCE, it is considered the implementation of the following greening measures could alleviate the landscape and visual impacts of new development and help the development blend in with its surrounding landscape: • Sky Garden: Refuge floors or voids in building mass formed by partial removal of floor plates on certain building storeys or provision of freed up areas on certain building storeys provide opportunities for sky gardens for the proposed built development. It can allow views through the development to the background formed by the natural hillsides and enhance the visual amenity effectively. For public developments, relevant technical document Technical Circular (Works) No. 3/2012 Site Coverage of Greenery for Government Building Projects by Development Bureau in 2012 shall be referred to. For private developments, it is only applicable to sites with inadequate greening coverage and should be implemented in accordance with Sustainable Building Design Guidelines PNAP APP-152. • Green Roof: The Architectural Services Department completed the Study on Green Roof Application in Hong Kong in 2007 which reviewed the latest concepts	Maximise Greening coverage Enhance visual amenity, create visual corridors and integrate as possible into the surrounding landscape	Relevant Government Departments / Private Sectors	On appropriate buildings and structures in TCE (C2, C3 & C7) and TCW (C5, C6, C10 & C11)	Prior to Construction, Construction Phase & Maintenance in Operation Phase	• Development Bureau Technical Circular (Works) No. 3/2012 Site Coverage of Greenery for Government Building Projects • PNAP APP-152, Sustainable Building Design Guidelines (Note: updated version in September 2023)	To be implemented
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		and design technology of green roof and recommended technical guidelines suitable for application in Hong Kong. The study will be taken into account to the new buildings to be built in TCW and TCE. Landscape and visual impact can be alleviated and the landscape and visual value can be enhanced. For private development, it is only applicable to sites with inadequate greening coverage and should be implemented in accordance with Sustainable Building Design Guidelines PNAP APP-152. Relevant technical document Technical Circular (Works) No. 3/2012 Site Coverage of Greenery for Government Building Projects by Development Bureau in 2012 shall be reference. For public developments, relevant technical document Technical Circular (Works) No. 3/2012 Site Coverage of Greenery for Government Building Projects by Development Bureau in 2012 shall be referred to. For private developments, it is only applicable to sites with inadequate greening coverage and should be implemented in accordance with Sustainable Building Design Guidelines PNAP APP-152. • Vertical Green: Planting of climbers to grow up vertical surfaces where appropriate (e.g. building edges), to soften hard structures and facilities. Relevant technical document Technical Circular (Works) No. 3/2012 Site Coverage of Greenery for Government Building Projects by Development Bureau in 2012 shall be observed. For public developments, relevant technical document Technical Circular (Works) No.						
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EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
		3/2012 Site Coverage of Greenery for Government Building Projects by Development Bureau in 2012 shall be reference. For private development, it is only applicable to sites with inadequate greening coverage and should be implemented in accordance with Sustainable Building Design Guidelines PNAP APP-152. Greening on infrastructure: Planting could be provided on infrastructure such as bridges where appropriate to enhance greenery to soften its built edges. Screen planting could be provided near infrastructure to reduce any undesirable visual impacts.						

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EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
S11.7 MM16	LV16	Noise barrier design – The visual impact of noise mitigation measures will be mitigated by appropriate detailed design, including suitable combination of transparent and sound absorbent materials, appropriate colour selection of panels and supporting structures, or provision of at-grade planting of trees, shrubs and/or climbers camouflage to the barriers, as well as design of supporting structures to incorporate a high level of quality and aesthetics. A combination of transparent panels at top and solid panels at bottom would lighten the visual impact, and at the same time maintain the attractiveness by using colourful panels. The noise barriers would be implemented for District Distributor Roads and Local Distributor Roads at both TCE and TCW area.	Minimize the visual impact from the structures of noise barriers	CEDD/ Contractors (TCE: C3 and TCW: C6) / HyD	Noise barriers within the TCE area (TCE: C3) and TCW area (C6)	Prior to Construction, Construction Phase & Maintenance in Operation Phase	- GLTM of the Development Bureau's Guidelines on Greening of Noise Barriers (April 2012). - Guidelines on Design of Noise Barriers by HyD and EPD (Note: updated version in 2022 edition)	Under implementation

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EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
S11.7 MM17	LV17	Landscape Treatment for Polders & Attenuation Ponds – There would be polders and attenuation ponds in TCW. While they are primarily used for receiving and treating surface runoff and alleviating the flood risk during heavy rainfall, the design of those has provided an opportunity to have a synergy to enhance both the ecological and landscape values together. Depending on detailed design, part of these attenuation ponds (mainly the biofiltration zone) could be refined in an appropriate manner, without compromising its primary functions of treating surface runoff and flood protection, to incorporate ecological and landscape design such as planting of aquatic plants and butterfly foodplant for providing the landscape and ecological enhancement. [TCW only]	Enhance the landscape and visual value	CEDD / DSD	Polders & Attenuation Ponds in TCW (C6, C10 & C11)	Prior to Construction, Construction Phase & Maintenance in Operation Phase		Under implementation
<i>Landscape and Visual (Construction & Operational Phase)</i>								
S11.7 MM18	LV18	Landscaping on Slopes – Hydro seeding of modified slopes should be done as soon as grading works are completed to prevent erosion and subsequent loss of landscape resources and character. Woodland tree seedlings and/ or shrubs should be planted where gradient and site conditions allow. In addition, landscape planting should be provided for the retaining structures associated with modified slopes where condition allow.	Enhance landscape value, plant diversity and their visual appearance	CEDD / Contractors (TCE: C2 & C7 and TCW: C5, C6, C10 & C11)	Onsite in TCE (C2 & C7) and TCW (C5, C6, C10 & C11)	Prior to Construction, Construction Phase & Maintenance in Operation Phase	GEO Publication No.1/2011 Technical Guidelines on Landscape Treatment for Slopes by CEDD in 2011	Under implementation

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S11.7 MM19	LV19	Landscape Treatment on Channelized Watercourses – For the channelized watercourses in Tung Chung Stream that will be dechannelized, the Drainage Services Department Practice Note No.1/2005 – Guidelines on Environmental Considerations for River Channel Design, should be considered and appropriate measures included ensuring the new watercourses match the existing as far as possible. Measures can include enhancement planting to upgrade the channels as appropriate, including consideration of wetland planting along embankments where appropriate; as well as consideration of the best materials for the channel lining (e.g. gabion). [TCW only]	Avoid direct impacts on the watercourse Improve the visual amenity	CEDD / Contractor (TCW: C6)	The channelized watercourses throughout the TCW area (C6)	Prior to Construction, Construction Phase & Maintenance in Operation Phase	Drainage Services Department Practice Note No.1/2005 – Guidelines on Environmental Considerations for River Channel Design (Note: updated version No. 1/2015)	Under implementation
S11.7 MM20	LV20	Light Control – Construction day and night time lighting should be controlled to minimize glare impact to adjacent VSRs during the construction stage. Street and night time lighting shall also be controlled to minimize glare impact to adjacent VSRs during the operation phase.	Minimize negative glare impact to adjacent VSRs	CEDD / Contractors / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Through-out the TCE area and TCW area	Construction Phase & Operation Phase		Under implementation

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<i>Cultural Heritage Impact (Construction and Operational Phase)</i>								
S.12.5	CH1	<u>Terrestrial Archaeology</u> Implement rescue excavations/ survey-cum-rescue excavations/ further surveys after land resumption and prior to any construction works (see Figure 14.1 for the locations of rescue excavations/survey-cum-rescue excavations/further survey) [TCW only]	1) Rescue excavations to salvage archaeological data and cultural materials 2) Survey-cum-rescue excavations to better locate and design the follow up rescue excavations 3) Further surveys to obtain sufficient data for formulation of appropriate mitigation measures	CEDD / Contractors (TCW: C5, C6, C10 & C11) / Future Private Developer(s)	After land resumption and prior to any construction works	After land resumption and prior to any construction works	- Guidelines for Cultural Heritage Impact Assessment - TM-EIAO Annex 10 and Annex 19 - Antiquities and Monuments Ordinance	- Under implementation (C11) - Completed (C5, C6 & C10)
S.12.5	CH2	<u>Terrestrial Archaeology</u> Implement watching brief during construction phase (see Figure 14.1 for the locations of watching brief) [TCW only]	To identify and record any archaeological material or features revealed during construction phase	CEDD / Contractors (TCW: C5, C6, C10 & C11) / Future Private Developer(s)	During construction phase	During construction phase		- Under implementation (C11) - Completed (C5, C6 & C10)

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EM&A Project								
S13.2	EM1	An Independent Environmental Checker needs to be employed as per the EM&A Manual.	Control EM&A Performance	CEDD	All construction sites in TCE and TCW	Construction stage	- EIAO Guidance Note No.4/2010 - TM-EIAO	Under implementation
S13.2 – 13.4	EM2	1) An Environmental Team needs to be employed as per the EM&A Manual. 2) Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures. 3) An environmental impact monitoring needs to be implemented by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with.	Perform environmental monitoring & auditing	CEDD	All construction sites in TCE and TCW	Construction stage	- EIAO Guidance Note No.4/2010 - TM-EIAO	Under implementation

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<i>Works Vessel Travel Routes (Extracted from Works Vessel Travel Route Plan submitted under Condition 2.13 of the EP) (TCE only)</i> [Note: All reclamation and marine works were completed in August 2023. EP condition 2.13 was updated (Version: December 2024) for the additional transportation arrangement to the West Lagoon Area after the completion of reclamation.]								
S3.2	WVTR1	All works vessels shall be equipped with Global Positional System (GPS) or equivalent automatic identification system (AIS) for real time tracking and monitoring of their travel routing, speed and anchorage points. The system shall be capable to record and analyse the travel routing, speed and anchorage points.	Control EM&A Performance	Contractor (TCE: C1 & C3)	All marine construction sites in TCE (C1)	Construction stage	- EIA - Contractual requirements	Completed (C1) Under implementation (C3)
S3.3.1	WVTR2	1) Once approaching or leaving the entrance of the silt curtain, all vessels will travel at a speed no greater than 8 knots between the site and boundary of The Brothers Marine Park. The vessels can then navigate at normal speed (8-12 knots) after that distance unless other restrictions are imposed. 2) If any dolphins are sighted within 250m of a vessel then the vessel will slow down to a speed no greater than 5 knots for at least 3 minutes after the last sighting.	Protection of CWD	Contractor (TCE: C1 & C3)	All marine construction sites in TCE (C1 & C3)	Construction stage	- EIA - Contractual requirements	Completed (C1) Under implementation (C3)
S3.3.2	WVTR3	All captains and the supervising staff should undergo training to learn about local dolphins and porpoises. They should be trained to be aware of the protocol for dolphin friendly" vessel operation (refer to the Code of Conduct for Dolphin Watching Activities from AFCD).	Protection of CWD	Contractor (TCE: C1 & C3)	All marine construction sites in TCE (C1 & C3)	Construction stage	- EIA - Contractual requirements	Completed (C1) Under implementation (C3)

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S3.3.2	WVTR4	Training on the requirements of the WVTRP would be provided for construction vessels' personnel to follow, which should include the details of the normal operational routings of the construction works vessels and reporting of deviations from the normal operational routings of the construction works vessels. The training course will be given to the licensed vessel captains by the trainers before commencement of work and refreshment course will be provided every quarter.	Protection of CWD	Contractor (TCE: C1 & C3)	All marine construction sites in TCE (C1 & C3)	Construction stage	- EIA - Contractual requirements	Completed (C1) Under implementation (C3)
2.3.1 2.3.2 2.3.3	WVTR5	<u>The Brothers Marine Park (BMP)</u> The speed limit of work vessels is 8 knots within the BMP, no stopover or anchoring is allowed. <u>Sha Chau and Lung Kwu Chau Marine Park (SCLKCMP)</u> Existing fairways such as Urmston Road Channel and water between 3RS projects of Hong Kong International Airport and the SCLKCMP, shall be selected as the main travel routes for delivery of construction & demolition material to site. <u>North Lantau Marine Park (NLMP)</u> The NLMP was designated with effect on 1 November 2024. The speed limit of the work vessels is 8 knots within the NLMP, no stopover or anchoring is allowed.	Protection of Marine Parks (namely BMP, SCLKCMP, NLMP)	Contractor (TCE: C1 & C3)	Marine Parks (namely BMP, SCLKCMP, NLMP) (C1 & C3)	Construction stage	- EIA - Contractual requirements	Completed (C1) Under implementation (C3)

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Deployment of Silt Curtain(s) (Extracted from Silt Curtain Deployment Plan submitted under Condition 2.16 of the EP) (TCE only)								
[Note: All reclamation and marine works were completed in August 2023.]								
S4	SCD1	Before the start of the installation work, Qualified Ecologists with dolphin monitoring experience shall scan the exclusion zone for at least 30 minutes. If dolphins are observed in the exclusion zone, the installation work shall be delayed until the dolphins left the area.	Protection of CWD	Contractor (TCE: C1)	All marine construction sites in TCE (C1)	Construction stage	- EIA - Contractual requirements	Completed
S4	SCD2	If dolphins are observed within the exclusion zone during the installation work, the relevant part of the work shall cease until the dolphins left the area.	Protection of CWD	Contractor (TCE: C1)	All marine construction sites in TCE (C1)	Construction stage	- EIA - Contractual requirements	Completed
S5	SCD3	On-board supervisors will be assigned to check the condition of the silt curtain before commencement of works every day. An inspection checklist will be kept on site for record purpose.	Silt Curtain Integrity	Contractor (TCE: C1)	All marine construction sites in TCE (C1)	Construction stage	- EIA - Contractual requirements	Completed
S5	SCD4	For the tentative arrangement of silt curtain under adverse weather, the silt curtain will not be temporary removed during adverse weather. However, related works will be suspended immediately if silt curtain is found any damaged.	Silt Curtain Integrity	Contractor (TCE: C1)	All marine construction sites in TCE (C1)	Construction stage	- EIA - Contractual requirements	Completed

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S5	SCD5	Diver inspection shall be carried out if necessary to inspect the installation and decommission of silt curtain to ensure proper installation and functioning of the silt curtain according to the design drawings. Nearby marine works will resume after repairing of the damaged silt curtains.	Silt Curtain Integrity	Contractor (TCE: C1)	All marine construction sites in TCE (C1)	Construction stage	• EIA • Contractual requirements	Completed
S5	SCD6	Refuse around the silt curtain will be collected at regular intervals on a daily basis so that water behind the silt curtains will be kept free from floating debris.	Waste Management	Contractor (TCE: C1)	All marine construction sites in TCE (C1)	Construction stage	• EIA • Contractual requirements	Completed

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<i>Preservation and/or Translocation programme (Details according to submission of Detailed Preservation and/or Translocation Plan for Plant Species of Conservation Importance as required under EP Condition 2.21)</i>								
TCW								
--	--	Pre-construction survey for the target species (which are the plant species of conservation importance, including but not limited to <i>Aquilaria sinensis</i> , <i>Pavetta hongkongensis</i> and <i>Gmelina chinensis</i>)	Minimize the potential impact to plant species of conservation importance	Qualified botanist appointed by Contractors (C5, C6, C10 & C11) / CEDD	Development areas of public (C5, C6, C10 & C11)	Completed within 9 months before translocation	Section 2 & 3 of the EP Submission	Completed
--	--	Preservation and/or Translocation Proposal	Minimize the potential impact to plant species of conservation importance	Qualified botanist appointed by Contractors (C5, C6, C10 & C11) / CEDD	Development areas of public (C5, C6, C10 & C11) and receptor site(s)	Submitted within 1 calendar month after the completion of Pre-construction survey	Section 3.1.1 & 5 of the EP Submission	Completed
9.8.3.11 & 9.8.3.12	--	Preservation	Minimize the potential impact to plant species of conservation importance	Contractors and qualified botanists appointed by Contractors (C5, C6, C10 & C11) / CEDD	Development areas of public (C5, C6, C10 & C11)	Monitoring conducted monthly throughout the construction period	Section 4.1 of the EP Submission	Under implementation

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--	--	Identification of suitable receptor sites	Minimize the potential impact to plant species of conservation importance	Contractors (C5, C6, C10 & C11) and qualified botanists appointed by Contractors / CEDD / Private developer(s)	Receptor sites	After the Pre-construction survey	Section 4.2 of the EP Submission	Completed
9.8.3.11 & 9.8.3.12	--	Translocation	Minimize the potential impact to plant species of conservation importance	Landscape Contractors and qualified botanists appointed by Contractors (C5, C6, C10 & C11) / CEDD	Development areas of public (C5, C6, C10 & C11) and receptor sites	Planting season (preferably from March to May and no later than September), prior to site formation	Section 4.3 of the EP Submission	Under implementation
--	--	Translocation report	Minimize the potential impact to plant species of conservation importance	Landscape Contractors and qualified botanists appointed by Contractors (C5, C6, C10 & C11) / CEDD	Development areas of public (C5, C6, C10 & C11) and receptor sites	Submitted within 1 calendar month after the completion of translocation.	Section 4.3.3 of the EP Submission	To be implemented

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--	11.4.4	Post-translocation monitoring	Minimize the potential impact to plant species of conservation importance	Contractors (C5, C6, C10 & C11) and qualified botanists appointed by Contractors / CEDD	Receptor sites	After translocation for two years and throughout the construction period (for in-situ preserved individuals). The frequency will be monthly for the first year, and then quarterly for the second year	Section 6 of the EP Submission	To be implemented
--	--	Monitoring report	Minimize the potential impact to plant species of conservation importance	Contractors (C5, C6, C10 & C11) and qualified botanists appointed by Contractors / CEDD	Development areas of public (C5, C6, C10 & C11) and receptor site(s)	Throughout monitoring periods	Section 6.1.4 of the EP Submission	Under implementation
TCE								
		Pre-construction survey for the target species (which are the plant species of conservation importance, including but not limited to <i>Aquilaria sinensis</i> , <i>Pavetta hongkongensis</i> and <i>Gmelina chinensis</i>)	Minimize the potential impact to plant species and identification of conservation importance for transplantation	Contractor (C2) and Qualified Personnel	Development areas of public works (C2)	Pre-construction stage	Section 2 of the EP Submission	Completed

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		Review of receptor sites To provide consistent habitat characteristics (i.e. soil condition, topography, dominant plant species, degree of exposure to wind/sunlight, overhead/ground space for tree growth, and degree of human disturbance) allowing quick adaptation	Minimize the potential impact to plant species of conservation importance	Qualified Personnel [and agreed with ET/IEC, Project Manager and the future maintenance party taking into account the latest site condition]	Receptor sites	Prior to the commencement of transplantation	Section 4 of the EP Submission	Completed
9.8.3.11 & 9.8.3.12	--	Preservation	Minimize the potential impact to plant species of conservation importance	Contractor (C2) and Qualified Personnel	Development areas of public (C2) works	Monitoring conducted monthly throughout the construction period	Section 2.3 of the EP Submission	Under implementation
		Transplantation of the individual identified species Preparation of Receptor site, Preparation of Rootball and Root Pruning, Tree Lifting and Protection and Planting	Minimize the potential impact to plant species of conservation importance	Contractor (C2) and Qualified Personnel	Development areas of public works (C2) and receptor sites	Planting season (preferably from March to May and no later than September)	Section 5 of the EP Submission	Completed
		Post-transplantation maintenance All of the transplanted Gmelina chinensis individuals should be maintained by the Contractor for 12 months (establishment period) after planting into their final receptor sites.	Minimize the potential impact to plant species of conservation importance	Contractor (C2) and Qualified Personnel	Receptor sites	During post-transplantation stage	Section 5 of the EP Submission	Under implementation

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		Post-transplantation monitoring Health conditions of the transplanted individuals should be monitored by the Qualified Personnel in the presence of ET for two years at the receptor sites. Monitoring of the transplanted individuals should be conducted once per monthly for the first year, and then quarterly for the second year as stipulated in EM&A Manual Section 11.4.4, given that the health conditions during the establishment period remained fair to good. Should problems relating to the transplanted tree health arise during the establishment period, monitoring frequency during post establishment period (throughout construction phase) would be subject to the situation and the advice of the ET.	Minimize the potential impact to plant species of conservation importance	Contractor (C2) and Qualified Personnel in the presence of ET	Receptor sites	During post-transplantation stage	Section 5 of the EP Submission	Under implementation
		Monitoring report	Minimize the potential impact to plant species of conservation importance	Contractor (C2) and Qualified Personnel	Development areas of C2 and receptor sites	Throughout monitoring periods	Section 5.4 of the EP Submission	Under implementation

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<i>Compensatory Woodland Planting (Details according to submission of Detailed Compensatory Woodland Planting Plan as required under EP Condition 2.22)</i>								
--	--	<u>Site Preparation</u> - Boundary demarcated with durable and viewable implements. - Grass cutting/groundcover trimming and removal of invasive species. - Areas containing dense woody growth have their boundaries set out and protected. - Preserve existing woody shrubs and immature trees. - Excavate the planting pits according to the specified spacing before plant delivery	To provide a suitable environment for the compensatory woodland planting	CEDD / Contractors (TCE: C2 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	Prior to compensatory planting works	Section 3.4 of the EP Submission	Completed
--	--	<u>Site Survey</u> Conduct the site survey for the woodland planting area.	To verify the proposed details of work in the plan whether they could be executed or if any amendment is required.	CEDD / Contractors (TCE: C2 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	Prior to compensatory planting works	Section 1.5 of the EP Submission	Completed
--	--	<u>Plant Procurement</u> Early procurement of tree species.	To fulfill the specified quantities and sizes at the time of planting.	CEDD / Contractors (TCE: C2 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	Prior to compensatory planting works	Section 5.5 of the EP Submission	Completed

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--	--	<u>Planting Scheme</u> <i>Core Area</i> - Understory plants should not be aggressive and would not adversely affect tree growth. <i>Green Firebreak Area</i> - Species selected should be fast growing and have dense canopies. - Green firebreak would have a width of 20 m. - Periodic maintenance (e.g. removal of understory growth and litter accumulation).	To establish a mature, closed canopy, dominated by native trees. Fire resistant native trees as the green firebreak area is required to protect the compensatory woodland from potential disturbance by fires.	CEDD / Contractors (TCE: C2 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	Prior to compensatory planting works	Section 5.1 – 5.3 of the EP Submission	Completed
--	--	<u>Plant Schedule and Matrix</u> A total estimated 36,000 nos. of whip trees will be planted (The actual no. of whip trees will be based on further review by qualified personnel and actual on-site preparation) or a maximum no. of planting by 1.5 m spacing whichever the less.	To fulfill the specified quantities and sizes at the time of planting	CEDD / Contractors (TCE: C2 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	During compensatory planting works	Section 5.4 of the EP Submission	Completed
--	--	<u>Fire Control</u> - Planting set back 15 m from any existing graves. - Periodic grass-cutting within the Green Firebreak Area and around nearby graves.	To prevent understory growth and litter accumulation which act as fuel causing spread of fire.	CEDD / Contractors (TCE: C2 & C3 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	During compensatory planting works	Section 3.5.4 of the EP Submission	Under implementation

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--	--	<u>Post-planting Monitoring</u> - Post-planting monitoring carried out by Qualified Personnel at quarterly interval for at least 3 years and commence 3 months after completion of planting. - The compensatory woodland should be divided into a number of planting plots to facilitate monitoring. - Diverse mix of robust native tree	To monitor and provide remedial works to ensure the woodland establishment in long term	CEDD / Contractors (TCE: C2 & C3 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	Prior to commencement of compensatory planting works	Section 6.1 – 6.4 of the EP Submission	Under implementation (TCE) Completed (TCW)
--	--	<u>Establishment / Maintenance Works (10 years by CEDD, 3 years under current contracts provision and additional 7 years to be carried out by subsequent contracts)</u> - Quarterly inspection should be carried out to monitor the plants and identify any special operations required. - Regularly cut grass and remove noxious weeds. - Herbicides and pesticides should not be used unless in exceptional circumstances. - All weeding wastes should be carried away to a proper tipping point for disposal. - Remove weeds, understory growth and leaf litter.	To monitor and provide remedial works to ensure the woodland establishment in long term.	CEDD / Contractors (TCE: C2 & C3 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	10 years Establishment / Maintenance period	Section 6.6 – 6.12 of the EP Submission	Under implementation

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--	--	<u>Action Targets based on Percentage Canopy</u> - Identify a fixed number of pilot trees with belt transect (with quadrats) method in each planting plot. - When the action level percentage canopy cover trigger, remedial measures, such as replacement of dead or poor health trees, shall be instigated.	To monitor the percentage canopy cover formation, growth rate and survival rate.	CEDD / Contractors (TCE: C2 & C3 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	3 rd , 7 th and 10 th years after planting	Section 6.5 of the EP Submission	Under Implementation
--	--	<u>Tree Risk Assessment</u> - TRAM and auditing exercise. - Tree Management Plan and Tree Risk Assessment to be submitted in the Construction Phase.	To identify the risk of the trees	CEDD / Contractors (TCE: C2 & C3 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	Construction Phase when necessary (e.g., act on complaint)	Section 6.13 of the EP Submission	Under Implementation

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EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
<i>Use of New Low Noise Road Surfacing Material(s) (Details to be provided after the submission of Plan for Review of Use of New Low Noise Road Surfacing Material(s) as required under EP Condition 2.23) [To be confirmed with latest update to the Plan]</i>								
		TCE						
--	--	Approximately 35m long LNRS along Road D4 (westbound)	Reduce operational noise from road traffic	CEDD and relevant contractors (TCE: C3)	Along Road D4 (westbound) between Area 100 and Area 109	Prior to operation of relevant sections of the concerned road	Section 3.1 and Figure 3.1 of the EP submission	To be implemented
--	--	Approximately 80m long LNRS along Road L4 (northbound)	Reduce operational noise from road traffic	CEDD and relevant contractors (TCE: C3)	Along Road L4 (northbound) between Area 103 and Area 109	Prior to operation of relevant sections of the concerned road	Section 3.1 and Figure 3.1 of the EP submission	Under implementation
--	--	Approximately 175m long LNRS along Road L4 (northbound)	Reduce operational noise from road traffic	CEDD and relevant contractors (TCE: C3)	Along Road L4 (northbound) between Area 99 and Area 100	Prior to operation of relevant sections of the concerned road	Section 3.1 and Figure 3.1 of the EP submission	Under implementation
--	--	Approximately 160m long LNRS along Road L4 (southbound)	Reduce operational noise from road traffic	CEDD and relevant contractors (TCE: C3)	Along Road L4 (southbound) between Area 99 and Area 100	Prior to operation of relevant sections of the concerned road	Section 3.1 and Figure 3.1 of the EP submission	Under implementation

Environmental Mitigation Implementation Schedule – Tung Chung New Town Extension

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
--	--	Approximately 120m long LNRS along Road L5 (westbound and eastbound, Ying Tung Road)	Reduce operational noise from road traffic	CEDD and relevant contractors (TCE: C3)	Along Road L5 (westbound and eastbound, Ying Tung Road) between Ying Tung Estate and Area 99	Prior to operation of relevant sections of the concerned road	Section 3.1 and Figure 3.1 of the EP submission	Under implementation
		TCW						
--	--	Approximately 210m long LNRS along Chung Mun Road; approximately 160m long LNRS along Road L29; and approximately 163m long LNRS along Road L30	Reduce operational noise from road traffic	CEDD and relevant contractors (TCW: C6)	Along Chung Mun Road, Road L29 and Road L30	Prior to operation of relevant sections of the concerned road	Section 2.2.2 and Figure 1.1 of the EP submission	To be implemented

Environmental Mitigation Implementation Schedule – Tung Chung New Town Extension

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
<i>Follow-up actions to be taken by the Contractor and Dump Truck Drivers in case of Illegal Dumping and Landfilling of C&D Materials (Extracted from Waste Management Plan submitted under Condition 2.24 of the EP)</i>								
S5.4	WM1	Investigation report will be prepared by the Contractor and submit to ER within 2 working days.	Control EM&A Performance	Contractors	All construction sites in TCE and TCW	Construction stage	• EP • Contractual requirements	Under Implementation
S5.4	WM2	The Contractor will discuss with ER for the follow up actions (e.g. warning letter, cease operation, etc.) if required.	Control EM&A Performance	Contractors	All construction sites in TCE and TCW	Construction stage	• EP • Contractual requirements	Under Implementation