

APPENDIX C

IMPLEMENTATION SCHEDULE

Appendix C
Implementation Schedule for Recommended Protection Measures

Project Profile Ref.	Environmental Protection Measures	Location / Duration of Measure / Timing of Completion of Measures	Implementation Agent	Implementation Stage			Relevant Legislation & Guidelines
				Des	C	O	
5.1.7	<p>CONSTRUCTION PHASE MITIGATION MEASURES</p> <p>NOISE (Construction Phase)</p> <p><i>Use of Quiet Plant</i></p> <p>Use of quiet plant (also referred as silenced equipment) can provide significant reduction in noise level. Quiet plant is defined as PME whose actual sound power level is less than the value specified in TM on Noise from Construction Work other than Percussive Piling for the same piece of equipment.</p> <p>Phasing of Construction Works</p> <p>The installation of the gas pipe will be carried out in a phased manner.</p> <p><i>Use of Temporary Fencing Board</i></p> <p>Erection of temporary fencing board</p> <p><i>Good Site Practices</i></p> <ul style="list-style-type: none"> • Contractor shall comply with and observe the Noise Control Ordinance (NCO) and its current subsidiary regulations; • Before the commencement of any work, the Engineer may require the Contractor to submit the method of working, equipment and sound-reducing measures intended to be used at the site for approval; • Only well-maintained plants should be operated on-site; • Plants should be serviced regularly during the construction programme; • Machines that may be in intermittent use should be shut down or throttled down to a minimum between work periods; 	Whole Realigned Section / During the whole construction period / Before and during construction works	Construction Contractor	✓		TMEIA	
5.1.3 / 5.1.7		Whole Realigned Section / During the whole construction period / Before and during construction works	Construction Contractor	✓		TMEIA	
5.1.10		Realigned Section adjacent to walkway / During the whole construction period / Before start of construction works	Construction Contractor	✓		TMEIA	
5.1.8		All construction site / During the whole construction period / Before and during construction works	Construction Contractor	✓		TMEIA	

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5.1.4 - 5	<ul style="list-style-type: none"> Silencers and mufflers on construction equipment should be utilised and should be properly maintained during the construction programme, where practicable; Noisy activities can be scheduled to minimise exposure of nearby NSRs to high levels of construction noise. For example, noisy activities can be scheduled for midday or at times coinciding with periods of high background noise (such as during peak traffic hours); Noisy equipment such as emergency generators shall always be sited as far away as possible from NSRs; Mobile plants should be sited as far away from NSRs as possible; and Material stockpiles and other structures should be effectively utilised as noise barrier, where practicable. <p>AIR (Construction Phase) <i>Dust Mitigation Measures</i></p> <p>Handling dusty materials under the Air Pollution Control (Construction Dust) Regulation requirements</p>	Whole construction sites / Whole construction periods / Before and during construction works	Construction Contractor		✓		Air Pollution Control Ordinance, Air Pollution Control (Construction Dust) Regulation		
	<p>The Contractor shall be responsible for the design and implementation of these recommended measures to ensure full protection of the nearby Air Sensitive Receivers (ASRs).</p>			Whole construction sites / Whole construction periods / Before and during construction works	Construction Contractor		✓		Air Pollution Control Ordinance, Air Pollution Control (Construction Dust) Regulation
	<p>Temporary fencing board is proposed to alleviate the potential fugitive dust impact. Also, the site should be watered in sufficient frequency and the excavated material should be covered to prevent erosion.</p>			Whole construction sites / Whole construction periods / Before and during construction works	Construction Contractor		✓		Air Pollution Control Ordinance, Air Pollution Control (Construction Dust) Regulation
	<p>Before the commencement of any work, the Engineer may require the methods of working, plant, equipment and air pollution control system to be used on the site to be made available for inspection and approval to ensure that they are suitable for the project.</p>			Whole construction sites / Whole construction periods / Before and during construction works	Construction Contractor		✓		Air Pollution Control Ordinance, Air Pollution Control (Construction Dust) Regulation

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5.1.9	<p>WATER QUALITY (Construction Phase)</p> <p>Contractor will be required to note and comply with the Water Pollution Control Ordinance and its subsidiary regulations</p>	Whole construction site / Before start of construction works	Construction Contractor	✓			WPCO / TM on Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters
5.1.10	<p>The guidelines for handling and disposal of construction site discharges as detailed in EPD's ProPECC Note PNI/94 "Construction Site Drainage" shall be followed.</p> <p>In general, these measures include provision of silt/silt removal facilities such as sand traps, silt traps and sediment basins, where practical. These facilities should be regularly inspected and maintained, and the deposited silt and grit should be removed regularly. A row of sand bags can also be placed along the boundary of the works area to prevent any excess earth or storm water flowing down to the nearby stream in the G/C zone, if necessary.</p> <p>Any trade effluent or foul or contaminated or cooling or hot water should not be discharged into public sewer, stormwater drain, channel or stream course.</p>	Whole construction site / Before start of construction works	Construction Contractor	✓			WPCO / TM on Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters
5.1.17	<p>WASTE (Construction Phase)</p> <p>The excavated construction and demolition materials will be stockpiled and reused for backfilling onsite wherever possible. The Contractor is also required to maximise the reuse of the materials in other projects if practicable. The remaining materials should be transported to public filling areas for disposal. Construction and demolition materials will be properly stockpiled with waterproof covering or at least three sides enclosed to avoid wind erosion and washing away due to surface runoff. Limited construction chemical and general wastes are expected due to relatively small scale of the project and limited number of construction equipment.</p>	Whole construction site / Before and during construction works	Construction Contractor	✓			WDO
5.1.18	<p>A trip ticket system following the guideline stipulated in Works Bureau Technical Circular No 15/2003 is proposed to ensure the C&D material will be disposal of to designated public filling area.</p>	Whole construction site / Before and during construction works	Construction Contractor	✓			WDO

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5.1.11 – 5.1.15	ECOLOGY (Construction Phase) No transplantation of trees. Compensation planting and hydroseeding will however be implemented.	Southern part of the Realigned Section near (non-DP portion) and within Ma On Shan Country Park (DP portion) / After construction work / After the completion of the resurfacing works	Construction Contractor / HKCG's contractor	✓			PELB Technical Circular 1/97, WBTC 4/97 / TMEIA
5.1.16	The Contractor will be required to exercise care to avoid unnecessary damage to the existing vegetation outside the boundary.	Whole Realigned Section / Whole construction phase / During the whole construction period		✓			
5.1.15	ECOLOGY (Operational Phase) Maintenance of the compensatory plants is also provided.	Southern part of the Realigned Section near (non-DP portion) and within Ma On Shan Country Park (DP portion) / After construction work / After the completion of the resurfacing works	Construction Contractor / HKCG			✓	
5.1.19	LANDSCAPE AND VISUAL QUALITY (Construction Phase) The Contractor will adopt the best management practice to tidy up the site and ensure that construction and demolition materials and wastes are properly stored	Whole Realigned Section / Whole construction stage / Whole construction periods	Construction Contractor	✓			TMEIA
5.1.19	Temporary fencing board with partial transparent window of about 2.4m high	A part of the Realigned Section along the southern boundary of the existing service reservoir near (non-DP portion) / Whole construction phase / Before start of the construction site	Construction Contractor	✓			
5.1.20	Tree compensation and Hydroseeding (please refer to ecology section above)	A part of the Realigned Section along the southern boundary of the existing service reservoir near (non-DP portion) and within Ma On Shan Country Park (DP portion) / Whole construction phase / After the resurfacing the construction site	Construction Contractor	✓			PELB Technical Circular 1/97, WBTC 4/97 / TMEIA

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5.1.21	Provision of temporary footpath	A part of the Realigned Section along the southern boundary of the existing service reservoir near (non-DP portion) / Whole construction phase / Before start of the construction site	Construction Contractor	✓			
5.1.21	Provision of new permanent footpath	A part of the Realigned Section along the southern boundary of the existing service reservoir near (non-DP portion) / Operational phase / After the completion of construction of Realigned Section	Construction Contractor	✓	✓		
5.1.22	Provision of some facilities and furniture	A part of the Realigned Section along the southern boundary of the existing service reservoir near (non-DP portion) / Operational phase / After the completion of construction of Realigned Section	Construction Contractor	✓			
5.1.20	LANDSCAPE AND VISUAL QUALITY (Operational Phase) Maintenance of the compensatory plants is also provided.	Southern part of the Realigned Section near (non-DP portion) and within Ma On Shan Country Park (DP portion) / After construction work / After the completion of the resurfacing works	Construction Contractor / HKCG			✓	

Notes:

Des: Detailed Design Stage
C: Construction Stage
O: Operational Stage
APCO: Air Pollution Control Ordinance
NCO: Noise Control Ordinance
WDO: Waste Disposal Ordinance
WPCO: Water Pollution Control Ordinance
TMEIA: Technical Memorandum on Environmental Impact Assessment Process
TM: Technical Memorandum
WBTC: Works Branch Technical Circular
N/A: Not Applicable