

Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling Stage 2

Quarterly EM&A Report

November 2020 to January 2021

Submitted to

Environmental Protection Department

Prepared By

Meinhardt Infrastructure and Environment Ltd

Meinhardt Infrastructure and Environment Limited

**Entrusted Portion of Widening of Tolo
Highway / Fanling Highway between Island
House Interchange and Fanling Stage 2**

Quarterly EM&A Report

(Nov 2020 to Jan 2021)

Certified by: W. K. CHIU

Position: Environmental Team Leader

Date: 3 May 2021 

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Your Reference

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Environmental Monitoring and Audit (EM&A) for Widening of Tolo Highway/Fanling Highway between Island House Interchange and Fanling Stage 2 (between Tai Hang to Wo Hop Shek Interchange) – Entrusted Works Environmental Permit No. EP-324/2008/E Quarterly EM&A Summary Report for November 2020 to January 2021 for the portion of Stage 2 works entrusted to CEDD under Contract No. CV/2012/09

3 May 2021
By Fax (2805 5028) & Hand

We refer to the Quarterly EM&A Report for November 2020 to January 2021 for the Project received on 20 April 2020 submitted by ET via email. We confirm we have no comment.

Yours faithfully
for MOTT MACDONALD HONG KONG LIMITED



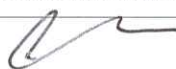


Steven Tang
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EXECUTIVE SUMMARY

This report documents the findings of EM&A works conducted in the quarter between 1 Nov 2020 and 31 Jan 2021.

The impact stage EM&A programme for the Project includes air quality and noise monitoring.

The EM&A programme was carried out by the ET in accordance with the EM&A Manual requirement. It is concluded from the environmental monitoring and audit works that adequate environmental mitigation measures have been implemented by the civil works contractors where appropriate in the reporting quarter.

In the reporting quarter, no exceedance event was recorded. No necessary remedial actions have been taken.

No environmental non-compliance was recorded in the reporting quarter. No environmental complaint was received in the reporting quarter. No environmental related prosecution or notification of summons was received in the reporting quarter.

The box culvert works have been partially completed by the end of March 2014 except the last construction activity, installation of a base slab at Box Culvert ID4. The installation of the base slab at Box Culvert ID4 was commenced in December 2016 and has been completed in March 2017.

The 4-week post construction water quality monitoring has been commenced and completed in April 2017.

As informed by the contractor, all major construction activities of the Entrusted Portion Project of Section 1A and 1B were substantially completed on 28 September 2018 and 3 October 2018 respectively. In such regard, the EM&A Programme of the captioned project, including monthly EM&A reporting and the corresponding environmental monitoring and audit works, is no longer required and we have submitted the termination proposal to EPD on 4 April 2018. And EPD replied the Final EM&A Report need to be provided to facilitate the consideration of cessation of construction phase EM&A Programme and the EM&A monitoring and audit works will not be terminated without prior approval of EPD.

1 INTRODUCTION AND PROJECT INFORMATION

1.1 Background

- 1.1.1 The Project is a Designated Project under the Environmental Impact Assessment Ordinance (EIAO) (Cap. 499). An Environmental Impact Assessment (EIA) Report together with an Environmental Monitoring and Audit (EM&A) Manual were approved on 14 July 2000 (Register Number: EIA-043/2000). The Project is governed by an Environmental Permit (EP) (EP-324/2008) which was granted on 23 December 2008. A variation of EP (VEP) was applied and the VEP (EP-324/2008/A) was subsequently granted on 31 January 2012. An additional VEP has been applied on 24 February 2014 and the VEP (EP-324/2008/B) was subsequently granted on 17 March 2014. Furthermore, an additional VEP has been applied on 9 March 2015 and the VEP (EP-324/2008/C) was subsequently granted on 27 March 2015. The previous VEP (EP-324/2008/D) was granted on 27 August 2015. The current VEP (EP-324/2008/E) was granted on 26 January 2017.
- 1.1.2 Chun Wo Construction & Engineering Co Ltd (Chun Wo) was commissioned by the Civil Engineering and Development Department (CEDD) as the Civil Contractor for the Entrusted Portion of Widening of Tolo Highway/Fanling Highway between Island House Interchange and Fanling Stage 2. Meinhardt Infrastructure & Environment Ltd (MIEL) has been appointed by Chun Wo as the Environmental Team (ET) to fulfill the corresponding EM&A requirements pursuant to Environmental Permit No. EP-324/2008/D in accordance with the Updated EM&A Manual (dated March 2015) for Widening of Tolo Highway/Fanling Highway between Island House Interchange and Fanling Stage 2. The EM&A programme commenced in 5 November 2013.
- 1.1.3 **Figure 1** shows the works areas for the Entrusted Portion of Widening of Tolo Highway/Fanling Highway between Island House Interchange and Fanling Stage 2.

1.2 Construction Programme and Activities

- 1.2.1 No construction activities undertaken in the reporting month. No construction programme will be presented in **Appendix A**

2 Project Organisation

- 2.1.1 The project organization structure is shown in **Appendix B**. The key personnel contact names and numbers for the Project, together with the general enquiry hotline, are summarised in **Table 2.1**.

Table 2.1 Contact Information of Key Personnel

| Party | Role | Position | Name | Telephone | Fax |
|----------------|---|--------------------------|-----------------|-----------|-----------|
| AECOM | Engineer's Representative | Senior Resident Engineer | Mr. Julian Ling | 2171 3303 | 2171 3498 |
| Mott MacDonald | Independent Environmental Checker (IEC) | IEC | Mr. Steven Tang | 2828 5920 | 2827 1823 |
| Chun Wo | Contractor | Site Agent | Mr. Chan | 2638 6144 | 2638 7077 |
| | | Environmental Officer | Mr. Yip Yun Lam | 3166 5111 | |
| Meinhardt | Environmental Team (ET) | ET Leader | Mr. WK. Chiu | 2859 5881 | 2540 1580 |

| Party | Role | Position | Name | Telephone | Fax |
|-----------------|-----------------|----------|---------------|-----------|-----|
| Enquiry Hotline | General Enquiry | -- | Ms Helena Mak | 6355 1731 | -- |

2.2 Purpose of the Report

2.2.1 This is the Quarterly EM&A Report which summaries the impact monitoring results and audit findings for the Project during the reporting period between 1 Nov 2020 to 31 Jan 2021.

3 SUMMARY OF EM&A REQUIREMENTS

3.1 Monitoring Requirements

3.1.1 In accordance with the Updated EM&A Manual, environmental parameters including Air Quality and Noise have been monitored. The specific parameters, monitoring frequency and the respective Action and Limit Levels are given in **Table 3.1** and the location of the monitoring station is shown in the **Figure 2**.

Table 3.1 Monitoring Parameter

| Parameter | Unit | Action Level | Limit Level | Frequency |
|---------------------------|-------------------|---|-------------|--------------------------|
| Air Quality | | | | |
| 1-hour TSP | µg/m ³ | 292.7 | 500 | Three times every 6 days |
| 24-hour TSP | µg/m ³ | 170.3 | 260 | Once every 6 days |
| Construction Noise | | | | |
| Leq 30min | dB(A) | When one documented valid complaint is received | 75 | Once every Week |

Temporary Suspension of Box Culvert Works and Water Quality Monitoring

3.1.2 The box culvert works have been completed in the end of March 2017. The 4-week post construction water quality monitoring has been completed in the end of April 2017 in the same manner as the impact monitoring.

3.2 Environmental Mitigation Measures

3.2.1 Environmental mitigation measures have been recommended in the EM&A Manual and are given in **Appendix C**. The implementation status for the reporting quarter is also given in the Appendix.

4 SUMMARY OF EM&A MONITORING DATA

4.1 Monitoring Data

4.1.1 As no remaining construction activities will be undertaken, the air quality and noise monitoring has been suspended since 31 October 2020. Thus, no air quality, noise monitoring results and the graphical presentation of air quality, noise monitoring data will be presented.

Table 4.1 Summary of Monitoring Data in the Reporting Quarter

| Monitoring Location | Minimum | Maximum | Average |
|-------------------------------------|---------|---------|---------|
| Air Quality | | | |
| 1 hour Total Suspended Particulate | | | |
| SR77 | - | - | - |
| 24 hour Total Suspended Particulate | | | |
| SR77 | - | - | - |
| Construction Noise | | | |
| SR77 | - | - | - |

4.2 Summary of Monitoring Exceedances

4.2.1 The number of exceedances event recorded in the reporting quarter is summarized in **Table 4.2**.

Table 4.2 Summary of Exceedance Events in the Reporting Quarter

| Parameter | Criteria | Number of Exceedances Events | Number of Project Related Exceedance Events |
|--------------------------------------|--------------|------------------------------|---|
| Air Quality | | | |
| 1-hour Total Suspended Particulates | Action Level | 0 | 0 |
| | Limit Level | 0 | 0 |
| 24-hour Total Suspended Particulates | Action Level | 0 | 0 |
| | Limit Level | 0 | 0 |
| Construction Noise | | | |
| Leq 30min | Action Level | 0 | 0 |
| | Limit Level | 0 | 0 |
| | Limit Level | 0 | 0 |

4.2.2 No exceedance of Action Level and Limit level for 1-hour TSP and 24-hour TSP monitoring were recorded at SR77 in the reporting quarter.

4.2.3 No exceedance of noise monitoring was recorded at SR77 in the reporting quarter.

5 WASTE MANAGEMENT

5.1.1 The Contractor has registered as a chemical waste producer of the Project. The C&D materials and waste sorting were carried out on-site. Receptacles were provided for general refuse collection.

5.1.2 During the reporting quarter, a total of 10m³ of excavated material has been generated. 10m³ of inert C&D materials was disposed of at public fill to Tuen Mun Area 38, while 0m³ of inert C&D materials was reused on site. 15m³ of general refuse was disposed of at North East New Territories (NENT) Landfill. No plastics and no paper/cardboard packaging were collected by recycling contractor in the reporting quarter. No metals were collected by recycling contractor in the reporting quarter. No chemical waste was collected by licensed contractor in the reporting quarter. Details of the waste management data are presented in **Appendix F**.

6 ENVIRONMENTAL NON-CONFORMANCE

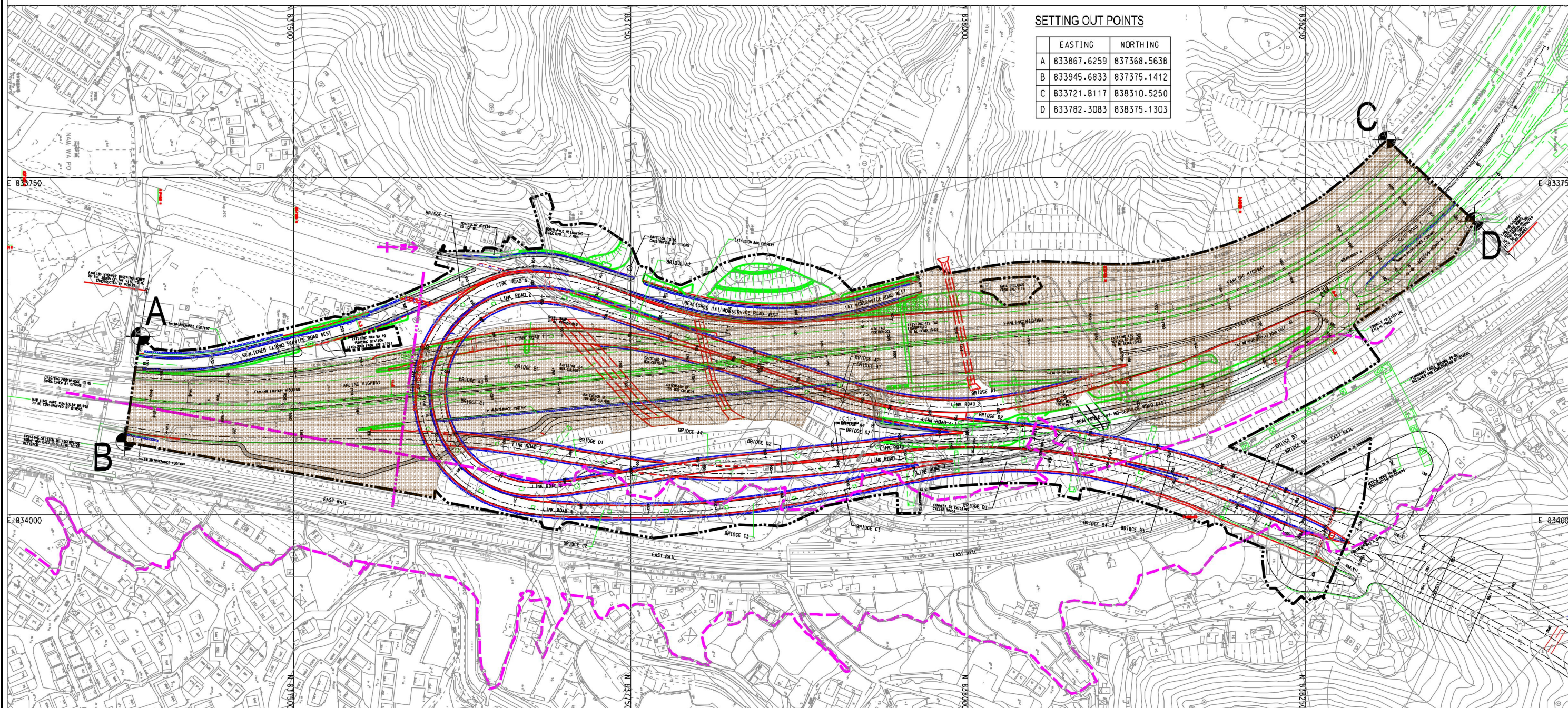
6.1.1 No environmental non-compliance was recorded in the reporting quarter. No environmental complaint was received. No environmental related prosecution or

notification of summons was received in the reporting quarter. The summary for the non-compliance, complaints and prosecutions is provided in **Appendix G**.

7 CONCLUSION, COMMENTS AND RECOMMENDATIONS

- 7.1.1 The EM&A programme was carried out by the ET in accordance with the EM&A Manual requirement. It is concluded from the environmental monitoring and audit works that adequate environmental mitigation measures have been implemented by the civil works contractors where appropriate in the reporting quarter.
- 7.1.2 In the reporting quarter, no exceedance event was recorded.
- 7.1.3 No environmental non-compliance was recorded in the reporting quarter. No environmental complaints were received in the reporting quarter. No environmental related prosecution or notification of summons was received in the reporting quarter.
- 7.1.4 The box culvert works have been completed in the end of March 2017. The 4-week post construction water quality monitoring has been completed in the end of April 2017 in the same manner as the impact monitoring.

Figure



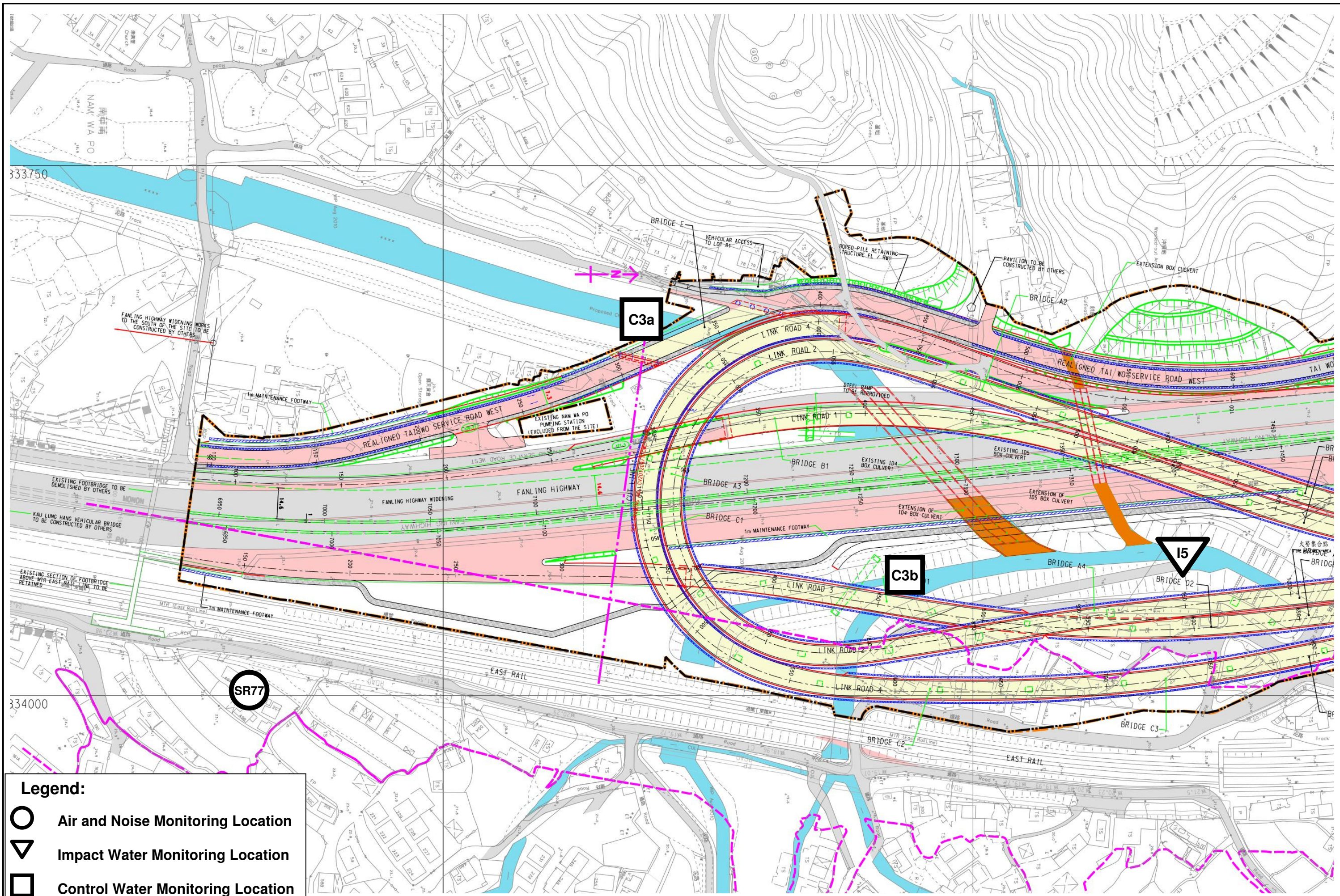
SETTING OUT POINTS

| | EASTING | NORTHING |
|---|-------------|-------------|
| A | 833867.6259 | 837368.5638 |
| B | 833945.6833 | 837375.1412 |
| C | 833721.8117 | 838310.5250 |
| D | 833782.3083 | 838375.1303 |

CV/201209-T-CWC-SK-001g_AD_edit.dgn 22/1/2014 17:10:34

Legend:

 Works Area for Entrusted Portion



- Legend:**
- Air and Noise Monitoring Location
 - ▽ Impact Water Monitoring Location
 - Control Water Monitoring Location

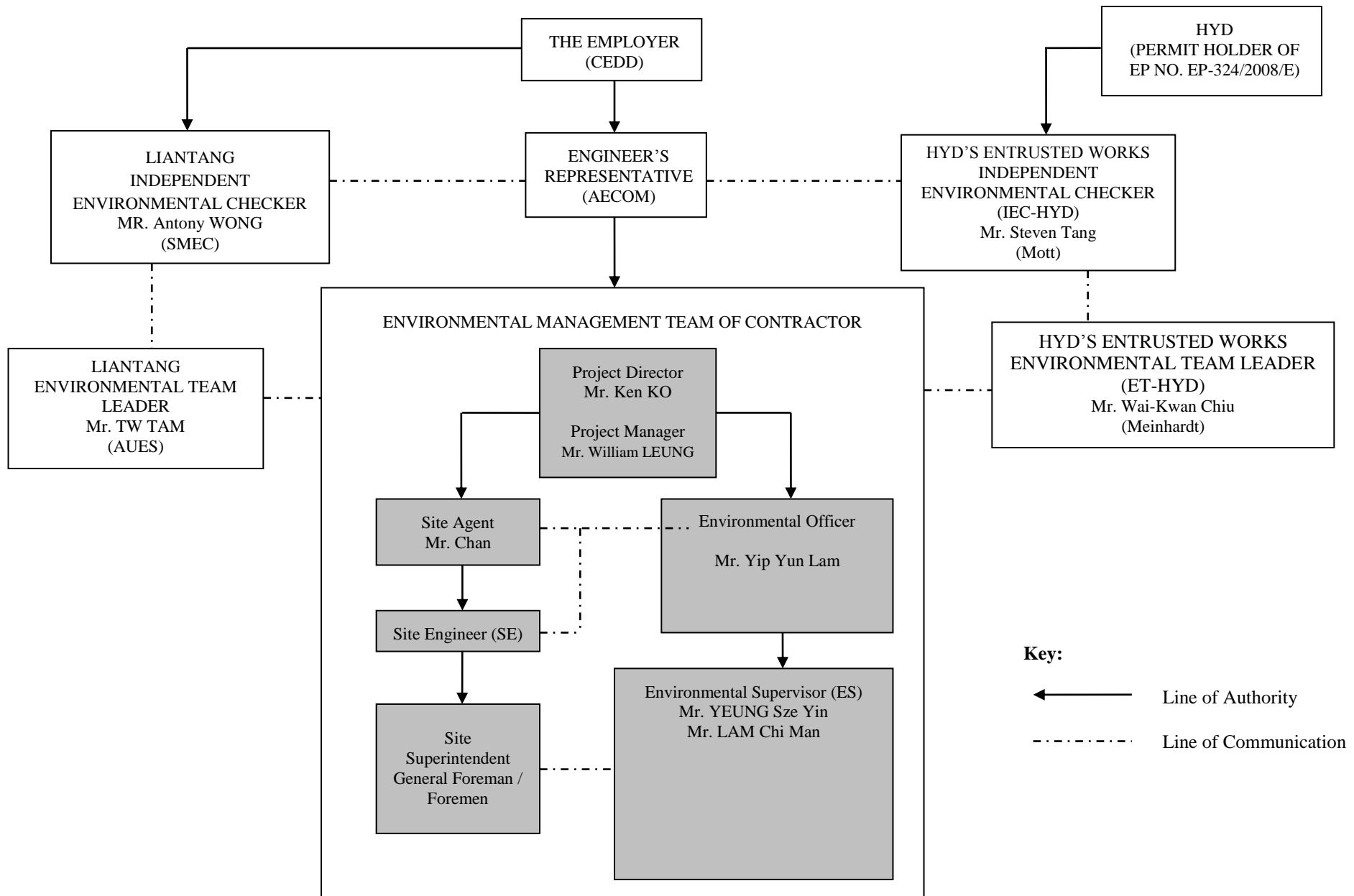
Figure 2: Environmental Monitoring Locations

Appendix A Construction Programme

Nil

Appendix B

Project Organization Structure



Appendix C Implementation Schedule of Environmental Mitigation Measures (EMIS)

| Impact | Environmental Protection Measures | Timing | Responsibility | Implementation Status # |
|-----------------------------------|--|---------------------|----------------|--|
| Air Quality | | | | |
| Air Quality during Construction | <ul style="list-style-type: none"> Restricting heights from which materials are dropped, as far as practicable to minimize the fugitive dust arising from unloading/loading. All stockpiles of excavated materials or spoil of more than 50m³ shall be enclosed, covered or dampened during dry or windy conditions. Effective water sprays shall be used to control potential dust emission sources such as unpaved haul roads and active construction areas. All spraying of materials and surfaces shall avoid excessive water usage. Vehicles that have the potential to create dust while transporting materials shall be covered, with the cover properly secured and extended over the edges of the side and tail boards. Materials shall be dampened, if necessary, before transportation. Travelling speeds shall be controlled to reduce traffic induced dust dispersion and re-suspension within the site from the operating haul trucks. Vehicle washing facilities shall be provided to minimise the quantity of material deposited on public roads. | During Construction | Contractor | ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ |
| Air Quality during Operation | Not required | N/A | N/A | N/A |
| Noise | | | | |
| Noise during Construction | <ul style="list-style-type: none"> Use of silenced plant or plant equipped with mufflers or dampers in substitute of ordinary plant. Reduce the number of equipment and their percentage on-time. | During Construction | Contractor | ✓ ✓ |
| Noise during Operation | Not required | N/A | N/A | N/A |
| Water Quality | | | | |
| Water Quality during Construction | <u>Road Widening Works, Earthworks and Culvert Extension Works</u> <ul style="list-style-type: none"> Wastewater generated from any concrete batching washdown of equipment or similar activities should be discharged into foul sewers, after the removal of settable solids, and pH adjustment as necessary. All sewage discharges from the study area should meet the TM standards and approval from EPD through the licensing process is required. Sand traps, oil interceptors and other pollution prevention installations should be provided, properly cleaned and maintained. | During Construction | Contractor | Rem. ✓ |

Notes (#): ✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable

| Impact | Environmental Protection Measures | Timing | Responsibility | Implementation Status # |
|--------------------------------------|---|--|---|---|
| | <ul style="list-style-type: none"> ● Runoff from exposed working areas, unfinished slopes and from unlined temporary channels should be directed to stilling basins and/or silt traps before discharging to the drainage outfalls. ● Regular inspections of stilling basins and/or silt traps is required to ensure that sediment is not conveyed into the existing drainage system. ● Open stockpiles should be covered with a tarpaulin cover. ● During the wet season, any exposed top soils should be covered with a tarpaulin, shotcreted or hydroseeded. ● Sand and silt from wash-water from vehicle washing should be settled out before discharging into storm drains. ● Fuels should be stored in bunded areas such that spillage can be easily collected. | | | <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> |
| Water Quality during Operation | Not required | N/A | N/A | N/A |
| Waste Management | | | | |
| Waste Management during Construction | <p><u>General Waste</u></p> <ul style="list-style-type: none"> ● Transport of wastes off site as soon as possible. ● Maintenance of accurate waste records. ● Minimisation of waste generation for disposal (via reduction/recycling/re-use). ● No on-site burning will be permitted. ● Use of re-useable metal hoardings/signboards. <p><u>Vegetation from site clearance</u></p> <ul style="list-style-type: none"> ● Segregation of materials to facilitate disposal. ● Mulching to reduce bulk and where possible review opportunities for the possible beneficial use within landscaping areas. <p><u>Demolition Wastes</u></p> <ul style="list-style-type: none"> ● Segregation of materials to facilitate disposal. ● Appropriate stockpile management. | <p>During Construction</p> <p>During Construction</p> <p>During Construction</p> | <p>Contractor</p> <p>Contractor</p> <p>Contractor</p> | <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> |

| Impact | Environmental Protection Measures | Timing | Responsibility | Implementation Status # |
|--------|--|---|---|--|
| | <p><u>Excavated Materials</u></p> <ul style="list-style-type: none"> • Segregation of materials to facilitate disposal / reuse. • Appropriate stockpile management. • Re-use of excavated material on or off site (where possible). • Special handling and disposal procedures in the event that contaminated materials are excavated. <p><u>Construction Wastes</u></p> <ul style="list-style-type: none"> • Segregation of materials to facilitate recycling/reuse (within designated area in appropriate containers/stockpiles). • Appropriate stockpile management. • Planning to reduce over ordering and waste generation. • Recycling and re-use of materials where possible (e.g. metal, wood from formwork) • For material which cannot be re-used/recycled, collection should be carried out by an approved waste contractor for landfill disposal. <p><u>Bentonite Slurries</u></p> <ul style="list-style-type: none"> • Bentonite slurries should be reused as far as possible. • Disposal in accordance with Practice Note For Professional Persons ProPECC PN 1/94. <p><u>Chemical Wastes</u></p> <ul style="list-style-type: none"> • Storage within locked, covered and bunded area. • The storage area shall not be located adjacent to sensitive receivers e.g. drains. • Minimise waste production and recycle oils/solvents where possible. • A spill response procedure shall be in place and absorption material available for minor spillages. • Use appropriate and labelled containers. | <p>During Construction</p> <p>During Construction</p> <p>During Construction</p> <p>During Construction</p> | <p>Contractor</p> <p>Contractor</p> <p>Contractor</p> <p>Contractor</p> | <p>✓</p> <p>✓</p> <p>✓</p> <p>N/A</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>N/A</p> <p>N/A</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> |

Notes (#): ✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable

| Impact | Environmental Protection Measures | Timing | Responsibility | Implementation Status # |
|-----------------------------------|---|---------------------|----------------|-------------------------|
| | <ul style="list-style-type: none"> Educate site workers on site cleanliness/waste management procedures. If chemical wastes are to be generated, the contractor must register with EPD as a chemical waste producer. The chemical wastes shall be collected by a licensed chemical waste collector. <p><u>Municipal Wastes</u></p> <ul style="list-style-type: none"> Waste shall be stored within a temporary refuse collection facility, in appropriate containers prior to collection and disposal. Regular, daily collections are required by an approved waste collector. | During Construction | Contractor | ✓ ✓ ✓ ✓ ✓ |
| Waste Management during Operation | Not required. | N/A | N/A | N/A |
| Ecology | | | | |
| Ecology during Construction | <p><u>Accurate Delineation of Works Area</u></p> <ul style="list-style-type: none"> Boundaries of proposed works areas shall be clearly identified and separated from external areas by a physical barrier to prevent encroachment of adjacent habitats. Individual trees which fall within the works areas but which work plans show do not require removal are to be retained and fenced off to maximise protection. <p><u>Dust generation</u></p> <p>There are a number of measures which shall be taken as specified in the Air Pollution Control (Construction Dust) Regulation on 'Dust Control Requirements, including the following key measures to be applied during construction:</p> <ul style="list-style-type: none"> vehicle washing facilities to be provided at every discernible or designated vehicle exit point; all temporary site access roads shall be sprayed with water to suppress dust as necessary; all dusty materials should be sprayed with water immediately prior to any handling; and | During Construction | Contractor | ✓ ✓ |
| | <ul style="list-style-type: none"> all debris should be covered entirely by impervious sheeting or stored in a sheltered debris collection area. | | | ✓ |

| Impact | Environmental Protection Measures | Timing | Responsibility | Implementation Status # |
|--|---|-----------------------------------|---|-------------------------------------|
| | <p><u>Surface Run-off</u></p> <p>In general, mitigation measures shall be in accordance with ProPECC PN1/94 on 'Construction Site Drainage'. Key measures include:</p> <ul style="list-style-type: none"> • Bund and cover stockpiles to avoid run-off; • Channel any run-off through a system of oil, grease and sediment / silt traps and reuse water on site where ever practical; • All vehicle maintenance to be undertaken within a bunded area; and • Maximise vegetation retention on-site to maximise absorption (minimise transport). | During Construction | Contractor | <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> |
| Ecology during Operation | <ul style="list-style-type: none"> • To conduct compensatory ecological planting as specified in the latest landscape plans approved by EPD (Clause 2.6 of the Environmental Permit refers). | During Construction and operation | <p>Contractor (during construction) / LCSD* (during operation)</p> <p>(Note: * The division of vegetation planting and maintenance responsibilities shall follow the guidelines stipulated in ETWB TCW No. 2/2004.)</p> | N/A |
| Landscape and Visual | | | | |
| Landscape and Visual during Construction | <p><u>Preservation of Existing Vegetation</u></p> <ul style="list-style-type: none"> • Trees identified for retention within the project limit would be protected during the works • The tree transplanting and planting works shall be implemented by approved Landscape Contractors | During Construction | Contractor | <p>✓</p> <p>✓</p> |
| | <p><u>Temporary Works Areas</u></p> <ul style="list-style-type: none"> • Where feasible the works areas would be screened using hoarding and existing vegetation would be retained where possible to reduce the landscape and visual impacts arising from the construction activity. The landscape of these works areas would be restored following the completion of the construction phase. | During Construction | Contractor | <p>✓</p> |

Notes (#): ✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable

| Impact | Environmental Protection Measures | Timing | Responsibility | Implementation Status # |
|---------------------------------------|---|---------------------|----------------|-------------------------|
| | <p><u>Hoarding</u></p> <ul style="list-style-type: none"> A hoarding would be erected where practicable in the most visually sensitive locations to screen the temporary construction works from the local VSRs. <p><u>Top Soils</u></p> <ul style="list-style-type: none"> The works will result in disturbance to extensive areas of topsoil. Topsoil worthy of retention should be stockpiled for use following completion of the civil engineering works. It should either be temporarily vegetated with hydroseeded grass or turned over on a regular basis. <p><u>Protection of Important Landscape Features</u></p> <ul style="list-style-type: none"> Important features such as temples, Island House and kilns within the study area, although remote from the proposed works retained and adequately protected. | During Construction | Contractor | ✓ |
| | | During Construction | Contractor | N/A |
| | | During Construction | Contractor | N/A |
| Landscape and Visual during Operation | Not required. | N/A | N/A | N/A |

Appendix D

Meteorological Data Extracted from Hong Kong Observatory

Nil

Appendix E

Environmental Monitoring Data for Air Quality and Noise

Nil

Appendix F Waste Flow Table

Monthly Summary Waste Flow Table

| Month | Actual Quantities of Inert C&D Materials Generated Monthly | | | | | | | Actual Quantities of C&D Wastes Generated Monthly | | | | |
|--------------|--|-------------------------------------|--------------------------|-----------------------------|-------------------------------|------------------------------|--------------------------|---|-------------------------------------|--------------------------|----------------------|--------------------------|
| | Total Quantity Generated | Hard Rock and Large Broken Concrete | Soil | Soil Reused in the Contract | Soil Reused in other Projects | Soil Disposed as Public Fill | Imported Fill | Metals | Paper/ cardboard packaging (Note 3) | Plastics | Chemical Waste | General Refuse (Note 2) |
| Unit | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in m ³) | (in '000m ³) |
| Nov-20 | 0.004 | - | 0.004 | - | - | 0.004 | - | - | - | - | - | 0.000 |
| Dec-20 | 0.000 | - | 0.000 | - | - | 0.000 | - | - | - | - | - | 0.005 |
| Jan-21 | 0.006 | - | 0.006 | - | - | 0.006 | - | - | - | - | - | 0.010 |
| Total | 0.010 | - | 0.010 | - | - | 0.010 | - | - | - | - | - | 0.015 |

- Note:
1. Assume the density of soil fill is 2 ton/m³.
 2. Assume the density of rock and broken concrete is 2.5 ton/m³.
 3. Assume each truck of C&D wastes is 5m³.
 4. The inert C&D materials except slurry and bentonite are disposed at Tuen Mun 38.
 5. The slurry and bentonite are disposed at Tseung Kwun O 137.
 6. The non-inert C&D wastes are disposed at NENT.
 7. Assume the density of metal is 7,850 kg/m³.

Appendix G

Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Cumulative Complaint Log

| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
|--------------------------|--------------------------|--------------------------------------|---|--|---|---------------|
| C131126 | 26, November, 2013 | Mr. Tony Hung from WWF | Mat Wat River (works sites for box culvert extension) | Suspected unauthorised discharge of water from a construction site to Ma Wat River, Tai Wo Service Road East, Tai Po | <p>It was found that the water leaving the end of the steel pipes was the diverted water from the upstream of the existing box culverts, instead of being discharged from the construction works sites.</p> <p>An EM&A Programme is being undertaken to monitoring the environmental performance of the construction works, and the Contractor has also implemented appropriate mitigation measures to avoid silt-laden runoff discharging from the works sites into the river.</p> <p>The complaint is considered an invalid complaint under this Project.</p> | Completed |

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|-------------------|-------------------|-------------------------------|--|---|---|-----------|
| C141120 | 20 November, 2014 | EPD | Ng Tung River and Ma Wat River nearby the site of the Liantang/Heung Yuen Wai BCP Project (Contract Number CV/2012/09) | At Bridge NF426 in Fanling, the whole Ng Tung River showed milky and suspected illegal discharge by nearby factory has undertaken. (粉嶺近天橋編號 NF426 梧桐河整條河河水呈奶白色懷疑附近有工廠非法排放污水) | <p>Water Supplies Department (WSD) conducted a washout procedure on 20 November 2014 at about 9:30am to flush the newly installed water pipe of diameter of 1400mm which has recently finished disinfection. It is understood that the procedure has lasted for about 1 hour and large amount of freshwater has been discharged into the Ma Wat River through a washout port.</p> <p>Although water was observed seeping from the gantry switch and flew into the works sites, the area is a sump pit and the water was unlikely to run off and entered the river directly. As such, it is anticipated that only freshwater has been discharged into Ma Wat River through the washout port.</p> <p>Both site inspections conducted by the ET before the complaint (19 November 2014), and after the complaint (24 November 2014) did not identify any deficiencies on environmental mitigation measures. Also, there were no rains during the period and the risk of construction site run-off is considered minimal.</p> | Completed |

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| | | | | | <p>The water from the Ma Wat Channel adjoins the Ng Tung River before passing through the complaint location, so other pollution sources may also occur at upstream of Ng Tung River</p> <p>The complaint is considered unlikely due to the construction works of this project.</p> | |
| C171228 | 28 December, 2017 | 1823 | Kau Lung Hang and Hong Lok Yuen | <p>Air quality issue nearby Kau Lung Hang and Hong Lok Yuen area. Stockpiling within the Project area was observed to be uncovered, causing dust dispersion within the area. (大埔九龍坑附近的空氣污染問題嚴重。吐露港公路蓮塘口岸隧道工程經常見到沙泥沒有覆蓋，導致沙土飛揚散佈九龍坑，康樂園一帶，造成極大困擾與明顯健康風險。要求立即改善，懲罰相</p> | <p>The Environmental Team (ET) was informed of the complaint through Chun Wo and CEDD via 1823 online-enquiry/ complaint form received on 28 December 2017 at 9:04am. Investigation was triggered in accordance with the procedures as specified in Section 7.3 of the EM&A Manual. A joint investigation by the ET and the IEC was conducted on 28 December 2017.</p> <p>As advised by the Contractor, no construction works were carried out during the public holiday.</p> <p>No exceedance of TSP level at the air monitoring station under this Contract was recorded in the past six months except 8 December 2017.</p> | |

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| | | | | <p>關建築商。附圖是該區狀況。昨日洗車，一日已經沙塵滿佈。)</p> | <p>Exceedance on 8 December 2017 was considered not project related as no major excavation works located close to the monitoring location at SR77.</p> <p>Based on the routine environmental site inspection and information provided by the Contractor, it is considered that dust suppression measures have been implemented to minimize dust nuisance arising from the works areas. Nonetheless, the ET and IEC will continue the auditing and reviewing of the Contractor's implementation of mitigation measures during the construction period.</p> | |



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