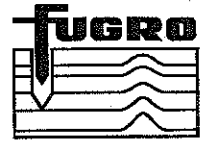


FUGRO (HONG KONG) LIMITED CONSULTING ENGINEERS

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Fax : +852 2895 2379
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FAX MESSAGE

Priority normal / urgent

| | | | |
|---------|--|--------------|------------------------|
| To | AECOM Consulting Services Limited | Ref. No. | MCLF3422 |
| Country | | Email | yw.fung@aecom.com |
| Attn. | Mr. Y. W. Fung | Date | 08 August 2016 |
| From | Colin Yung | No. of Pages | 1 (Incl. this page) |
| C.c. To | Mr. Vincent Kwan (AECOM Consulting Services Limited) | Email | vincent.kwan@aecom.com |
| Subject | Agreement No. CE 22/2006 (HY) Cycle Tracks Connecting North West New Territories with North East New Territories – Investigation, Design and Construction Contract No. YL/2013/01 (Cycle Tracks from Tuen Mun to Sheung Shui - Stage 1) – Monthly Environmental Monitoring & Audit Report for July 2016 | | |

We refer to the Monthly EM&A Report Rev. 0 for July 2016 that we received through email on 08 August 2016 and are pleased to verify the captioned submission is in accordance with Condition 3.5 of the EP-450/2013.

Should you require further information, please feel free to contact us.

Best Regards,

Colin Yung
Independent Environmental Checker




CY/by

CONFIDENTIALITY NOTICE

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(If you do not receive all pages, please fax response or phone +852-24508238.)

Contract No. YL/2013/01**Cycle Tracks from Tuen Mun to Sheung Shui-
Stage 1****Monthly EM&A Report for July 2016****(Designated Project Works Area)**

| REVISION SCHEDULE | | | | | |
|-------------------|---------------|-----------------------------------|---|---|---|
| Rev | Date | Details | Prepared by | Reviewed by | Approved by |
| 0 | 8 August 2016 | EM&A Report No. 27 – July 2016 | Adam Zhu | YW Fung | YT Tang |
| Signature | | |  |  |  |

| REVISION RECORD | | | | | |
|-----------------|---------------|-----------------------------------|-------------|-------------|-------------|
| Rev | Date | Details | Prepared by | Reviewed by | Approved by |
| 0 | 8 August 2016 | EM&A Report No. 27 – July 2016 | Adam Zhu | YW Fung | YT Tang |

AECOM Consulting Services Limited
 38th Floor, Metroplaza Tower 1
 223 Hing Fong Road
 Kwai Fong, Hong Kong

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ABBREVIATION

CEDD Civil Engineering and Development Department

C&D Construction & Demolition

CNP Construction Noise Permit

EM&A Environmental Monitoring and Audit

EMP Environmental Management Plan

EPD Environmental Protection Department

ET Environmental Team

IEC Independent Environmental Checker

NSR Noise Sensitive Receiver

NT New Territories

PME Powered Mechanical Equipment

RE Resident Engineer

TTS# Trip-ticket System

EXECUTIVE SUMMARY

The ET of AECOM Consulting Services Limited (former URS Hong Kong Ltd) was commissioned by CEDD to undertake the EM&A programme for the Contract No. YL/2013/01 entitled “Cycle Tracks from Tuen Mun to Sheung Shui” for the designated project works area (the Project). Environmental Permits have been required by the EPD for this project.

This Monthly Environmental Monitoring and Audit Report No. 27 contains the results and findings of site inspection activities and EM&A works carried out by the Works Contractor as required in the contract from 1 – 31 July 2016.

Construction Progress

The construction works of the Project was commenced in 28 April 2014.

The main construction works in this reporting month relate to installation of bicycle parapet and construction of cycle track, drainage, footpath and resting station.

Site Inspections

Environmental site inspections were conducted on 6, 12, 18 and 27 July 2016.

Several environmental issues have been identified by the ET during inspections including: construction materials were found too close to the tree, chemical containers without drip tray were observed, accumulated general wastes were observed in the U-channel, accumulated rubbish was observed onsite and exposed stockpile was observed dry and without proper cover onsite.

The Contractor has implemented mitigation measures to address those problems. The measures taken by the contractor were considered as effective to minimize negative impact to the environment. On-going investigations will be carried out to observe performance and effectiveness of those measures. Outstanding environmental items will be inspected in the following month.

Environmental Complaints, Notices, Summons and Remedial Action

There were no complaints from EPD & no summons notifications were received during the above said report period.

Environmental Monitoring

According to the “Construction of Cycle tracks and the Associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River Stage 1 Environmental Review EM&A Manual (2013) (EM&A Manual 2013), no air, water and noise monitoring is required.

According to Section 4 of the EM&A Manual 2013, no noise monitoring was specified. In this connection, setting up of Action/ Limit Levels is not required.

Construction Programme for Coming Month

Planned activities for 1 to 31 August 2016 of the Project consist of:

- 1) Portion D (Sheung Yue River):
 - Construction of Resting Station
- 2) Portion E (Shek Sheung River):
 - Construction of Cycle Track
 - Construction of Drainage
- 3) Portion M (Kam Tin River):
 - Construction of Cycle Track

Reporting Changes

In the reporting period, there was no reporting change of circumstances which may affect the compliance with the recommendations of the EIA Report.

Future Key Issues

Considering the nature of construction activities, key environmental issues in the coming months include the followings:

- Protection of trees;
- Production of solid waste;
- Production of dust;
- Production of noise; and
- Production of site run off

1 BASIC PROJECT INFORMATION

1.1 Introduction

1.1.1 AECOM Consulting Services Limited (former URS Hong Kong Ltd) has been commissioned by CEDD as ET for the construction works of ‘Contract No. YL/2013/01 Cycle Track from Tuen Mun to Sheung Shui – Stage 1’ (the Project). The Project commenced in November 2013 and is scheduled for completion by the end of 2016.

1.1.2 The site layout plans and the construction programme are shown in **Appendix 1** and **Appendix 2** respectively.

1.1.3 The Project comprises the following primary works elements:

- Construction of a new cycle track (with footpath) section from near Yuen Long Sha Po Tsuen connecting to the end of the existing cycle track, along Castle Peak Road – Tam Mi Section and along Pok Wai South Road (namely “Section 1”);
- Construction of a new cycle track (with footpath) section from near Ho Sheung Heung along Sheung Yue River and Shek Sheung River connecting to the existing cycle track in Sheung Shui (“namely “Section 1b”);
- Construction of the associated support facilities including two Resting Stations - R5 and R9 integrated with Information Kiosk;
- The associated streetscape, landscape, utilities diversions, traffic aids installation, street lighting, water, sewerage and drainage works; and
- Provision of environmental mitigation measures.

1.1.4 The Project is regulated under the Environmental Permit no. EP-450/2013 (EP). According to the EP, the monitoring and audit programme shall be implemented in accordance with the procedures and requirements as set out in the EIA Report and EM&A Manual (Register No. AEIAR–133/2009) & the “Construction of Cycle tracks and the Associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River Stage 1 Environmental Review EM&A Manual (2013) (EM&A Manual 2013).

1.1.5 This EM&A report is prepared in accordance with Section 12.3 of the EM&A Manual to records the results of regular site inspections, once per week, which identified environmental impacts & verification of implementation of the mitigation measures as recommended in the EM&A Manual, the Contractor’s EMP. The report is to be submitted to the ER, the Contractor, the IEC and EPD.

1.1.6 The contact persons and telephone numbers of key personnel are shown in **Appendix 3**.

1.2 Project Organization and Management

1.2.1 The Project Organization Chart of the ET is shown in **Figure 1**.

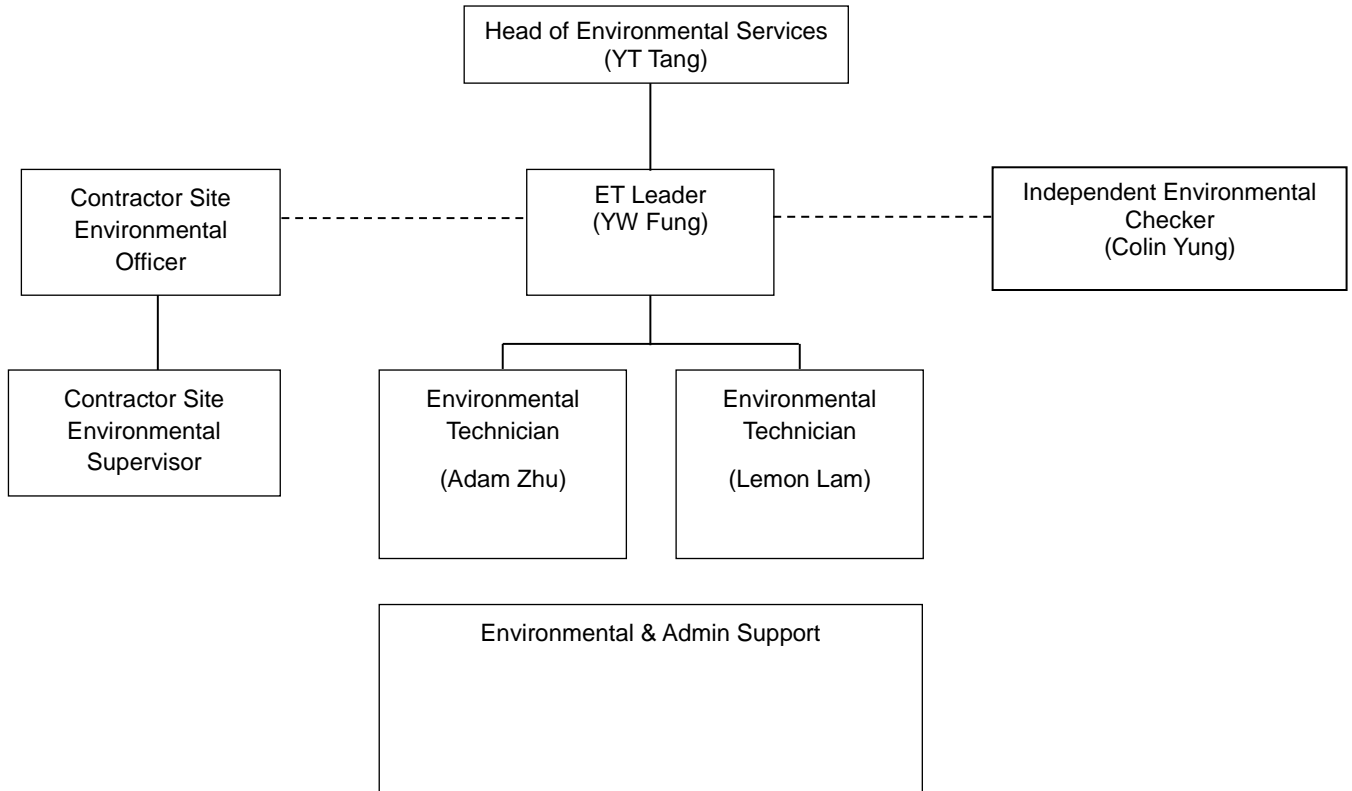


Figure 1 Organization Chart of ET

2 SUMMARY OF WORK ACTIVITIES AND CONSTRUCTION STATUS

2.1 Works Undertaken during the Reporting Month

2.1.1 The main construction works in this reporting month relate to installation of bicycle parapet and construction of cycle track, drainage, footpath and resting station.

2.1.2 A summary of the works in this reporting month, with the information of locations, activities, equipment/materials and dates of occurrence, is provided by the Contractor, as shown in **Table 2.1**. Locations can be referred to **Appendix 1**.

Table 2.1 Work Activities for This Reporting Month

| Location | Activities | Environmental Impact(s) | Proposed Mitigation Measures |
|-------------------------------|--|--|--|
| Portion D (Sheung Yue River) | <ul style="list-style-type: none"> - Construction of Resting Station - Construction of Cycle Track | <ul style="list-style-type: none"> - Protection of Trees - Production of Solid Waste - Production of Dust - Production of Noise - Production of dusty site runoff | <ul style="list-style-type: none"> - No soil, materials or equipment shall be stockpiled within the tree protection zones - Implementing TTS - Spray water to minimize dust condition - Works should not be commenced during restricted hours - Existing structures can be used to reduce noise - Temporary noise baffles/screen to noisy machines shall be provided - Extra sand bags and silt traps shall be provided |
| Portion E (Shek Sheung River) | <ul style="list-style-type: none"> - Construction of Drainage - Installation of Bicycle Parapet - Construction of Cycle Track | <ul style="list-style-type: none"> - Protection of Trees - Production of Solid Waste - Production of Dust - Production of Noise - Production of dusty site runoff | <ul style="list-style-type: none"> - No soil, materials or equipment shall be stockpiled within the tree protection zones - Implementing TTS - Spray water to minimize dust condition - Works should not be commenced during restricted hours - Existing structures can be used to reduce noise - Temporary noise baffles/screen to noisy machines shall be provided - Extra sand bags and silt traps shall be provided |

| Location | Activities | Environmental Impact(s) | Proposed Mitigation Measures |
|---------------------------|--|--|--|
| Portion M (Kam Tin River) | <ul style="list-style-type: none"> - Installation of Bicycle Parapet - Construction of Resting Station - Construction of Footpath | <ul style="list-style-type: none"> - Protection of Trees - Production of Solid Waste - Production of Dust - Production of Noise - Production of dusty site runoff | <ul style="list-style-type: none"> - No soil, materials or equipment shall be stockpiled within the tree protection zones - Implementing TTS - Spray water to minimize dust condition - Works should not be commenced during restricted hours - Existing structures can be used to reduce noise - Temporary noise baffles/screen to noisy machines shall be provided - Extra sand bags and silt traps shall be provided |

Future Key Issues

2.1.3 The Contractor has provided an updated construction program in **Table 2.2** to show the planned activities for the coming two months (August and September 2016). The anticipated environmental issues are summarised as follows:

Table 2.2 Planned Activities for the Coming Two Months (August and September 2016)

| Location | Activities | Environmental Impact(s) | Proposed mitigation Measures |
|------------------------------|---|--|--|
| Portion D (Sheung Yue River) | <ul style="list-style-type: none"> - Construction of Resting Station | <ul style="list-style-type: none"> - Protection of Trees - Production of Solid Waste - Production of Dust - Production of Noise - Production of dusty site runoff | <ul style="list-style-type: none"> - No soil, materials or equipment shall be stockpiled within the tree protection zones - Implementing TTS - Spray water to minimize dust condition - Works should not be commenced during restricted hours - Existing structures can be used to reduce noise - Temporary noise baffles/screen to noisy machines shall be provided - Extra sand bags and silt traps shall be provided |

| Location | Activities | Environmental Impact(s) | Proposed mitigation Measures |
|----------------------------------|---|--|--|
| Portion E (Shek Sheung River) | <ul style="list-style-type: none"> - Construction of Drainage - Construction of Cycle Track | <ul style="list-style-type: none"> - Protection of Trees - Production of Solid Waste - Production of Dust - Production of Noise - Production of dusty site runoff | <ul style="list-style-type: none"> - No soil, materials or equipment shall be stockpiled within the tree protection zones - Implementing TTS - Spray water to minimize dust condition - Works should not be commenced during restricted hours - Existing structures can be used to reduce noise - Temporary noise baffles/screen to noisy machines shall be provided - Extra sand bags and silt traps shall be provided |
| Portion M (Kam Tin River) | <ul style="list-style-type: none"> - Construction of Cycle Track | <ul style="list-style-type: none"> - Protection of Trees - Production of Solid Waste - Production of Dust - Production of Noise - Production of dusty site runoff | <ul style="list-style-type: none"> - No soil, materials or equipment shall be stockpiled within the tree protection zones - Implementing TTS - Spray water to minimize dust condition - Works should not be commenced during restricted hours - Existing structures can be used to reduce noise - Temporary noise baffles/screen to noisy machines shall be provided - Extra sand bags and silt traps shall be provided |

2.1.4 The site inspection schedule for the next month (August 2016) is designated on 3, 10, 17, 24 and 31 August 2016.

3 STATUS OF ENVIRONMENTAL PROTECTION AND SITE INSPECTIONS

3.1 Environmental Requirements

Air Quality

3.1.1 The EM&A Manual (2013) identified that no significant impacts could arise during construction and operation of the project. No specific construction dust monitoring was recommended in the EM&A Manual (2013) given proper implementation of the dust control measures under the Air Pollution Control (Construction Dust) Regulation. General air quality control measures are recommended for implementation as good site practice.

Noise

3.1.2 The EM&A Manual (2013) identifies that with the use of quiet / silenced PME and noise barriers, where applicable, will result in no unacceptable construction noise. General noise control measures are recommended for implementation as good site practice. No NSR has been identified within 300m of the site working areas and no noise exceedance within the stage 1 designated project works areas were predicted based on the Environmental Review findings, therefore no noise monitoring is recommended under the EM&A Manual (2013).

3.1.3 No construction is planned during restricted hours. If construction is required during restricted hours the Contractor is required to apply for a CNP.

Water Quality

3.1.4 The EM&A Manual (2013) identifies that best practicable pollution control measures during construction should be effective to control the potential water quality impacts resulting from stormwater runoff into receiving waters. Water Discharge License has been applied by the Contractor.

3.1.5 According to the EM&A Manual (2013), no water quality monitoring is considered necessary within stage 1 designated project works areas based on the Environmental Review findings.

Waste Management

3.1.6 The EM&A Manual (2013) identifies that with proper on-site handling and storage (covered containers), reuse (of inert construction wastes) and off-site disposal (via approved waste collectors to approved waste facilities and/or disposal grounds) the generation, handling and disposal of these wastes will not give rise to any adverse environmental impacts. Control and mitigation should be implemented as general good site practices.

3.1.7 The quantities of waste for disposal from the construction site in this month are summarized in **Table 3.1**.

Table 3.1 Summary of Quantities of Waste for Disposal in this Reporting Month

| Type of Waste | | Quantity |
|---------------------|--|----------|
| Inert C&D Materials | Total Quantity Generated (in '000m ³) | 0 |
| | Hard Rock and Large Broken Concrete (in '000m ³) | 0 |
| | Reused in the Contract (in '000m ³) | 0 |
| | Reused in other Projects (in '000m ³) | 0 |
| | Disposed as Public Fill (in '000m ³) | 0 |
| | Imported Fill (in '000m ³) | 0 |
| C&D Waste | Metals (in '000kg) | 0.01 |
| | Paper/cardboard packing (in '000kg) | 0.01 |
| | Plastic (in '000kg) | 0.01 |
| | Chemical Waste (in '000kg) | 0 |
| | Others, e.g. general refuse (in '000m ³) | 0.07 |

Land Contamination

3.1.8 The EM&A Manual (2013) considers that no specific EM&A requirements are necessary for Land Contamination.

Ecology and Fisheries

3.1.9 The EM&A Manual (2013) identifies that no significant overall loss of valuable ecological habitat and fishponds and it is considered that no significant negative impacts to surrounding habitats and species and aquaculture or water quality will arise from the construction and operation of the cycle track given that appropriate mitigation measures and good practices are properly implemented. No specific ecological or fisheries monitoring is required.

Cultural Heritage

3.1.10 The EM&A Manual (2013) identifies that no adverse impacts on cultural heritage resources would be expected from the construction or operational phase of the Project. No specific monitoring is required during the construction phase. However, care has been taken during construction stage to report any signs of possible discovery of artefacts to minimize potential impacts during the construction phase.

Landscape and Visual

3.1.11 Based on the EM&A Manual's recommendation, all measures undertaken during the construction stage shall be audited by the Landscape Architect as a member of the Environmental Team. The site inspections were undertaken for twice a month during this reporting period to ensure all the recommended landscape and visual mitigation measures have been effectively implemented.

3.2 Environmental Site Inspections

- 3.2.1 Environmental site inspections are required to inspect the construction activities of the Project in order to ensure that appropriate environmental protection and pollution control mitigation measures are properly implemented. Regular site inspections should be carried out once per week during the construction phase.
- 3.2.2 Regular weekly environmental walk records with follow up actions of this reporting period have been attached in **Appendix 5** and have been filed by RE in Site Office.
- 3.2.3 The Contractor has implemented mitigation measures to address the problems identified during site inspections. The measures taken by the contractor were considered as effective to minimize negative impact to the environment. On-going investigations will be carried out to observe performance and effectiveness of those measures. Outstanding environmental items will be inspected in the following month.
- 3.2.4 A summary of the findings and results of site inspections are provided in **Table 3.2**.

Table 3.2 Summary of Findings from Site Inspections

| Item No. | Date of Inspection | Location | Situation Requiring Follow up Action | Rectification Measures | Date of Actions Taken |
|----------|--------------------|-------------------|--|---|-----------------------|
| 1 | 6 Jul 2016 | Kam Tin River | Construction materials were found too close to the tree. | Construction materials had been removed properly. | 13 Jul 2016 |
| 2 | 6 Jul 2016 | Sheung Yue River | Chemical containers without drip tray were observed. | Chemical containers without drip tray had been removed. | 13 Jul 2016 |
| 3 | 12 Jul 2016 | Kam Tin River | Chemical containers without drip tray were observed onsite. | Chemical containers without drip tray had been removed. | 20 Jul 2016 |
| 4 | 12 Jul 2016 | Sheung Yue River | Accumulated general wastes were observed in the U-channel. | The accumulated general wastes were removed and channel covers had been provided. | 20 Jul 2016 |
| 5 | 18 Jul 2016 | Sheung Yue River | Accumulated rubbish was observed onsite. | Accumulated rubbish had been removed. | 27 Jul 2016 |
| 6 | 27 Jul 2016 | Shek Sheung River | Exposed stockpile was observed dry and without proper cover onsite | The stockpile had been removed | 3 Aug 2016 |

4 SUMMARY OF ENVIRONMENTAL PERMIT AND LICENCES

4.1.1 The Summary of Environmental Permits/Licenses required for the Project is summarised in **Table 4.1**.

Table 4.1 Summary of Environmental Permits/ Licenses

| Item No. | Description | Date of Issue | Ref. No | Date of Expiry |
|----------|--|---------------|----------------------|----------------|
| 1 | Environmental Permit (EP) | 30 May 2013 | EP-450/2013 | N.A. |
| 2 | Registration as a Chemical Waste Producer | 10 Jan 2014 | WPN5213-524-S3777-01 | N.A. |
| 3 | Effluent Discharge License | 25 Feb 2014 | W5/1I384/1 | 28 Feb 2019 |
| 4 | Billing Account for Disposal of Construction Waste | 16 Dec 2013 | 7018953 | N.A. |
| 5 | Construction Noise Permit | N.A. | N.A. | N.A. |

5 CUMULATIVE LOG OF COMPLAINTS, NOTICES, SUMMONS AND REMEDIAL ACTION

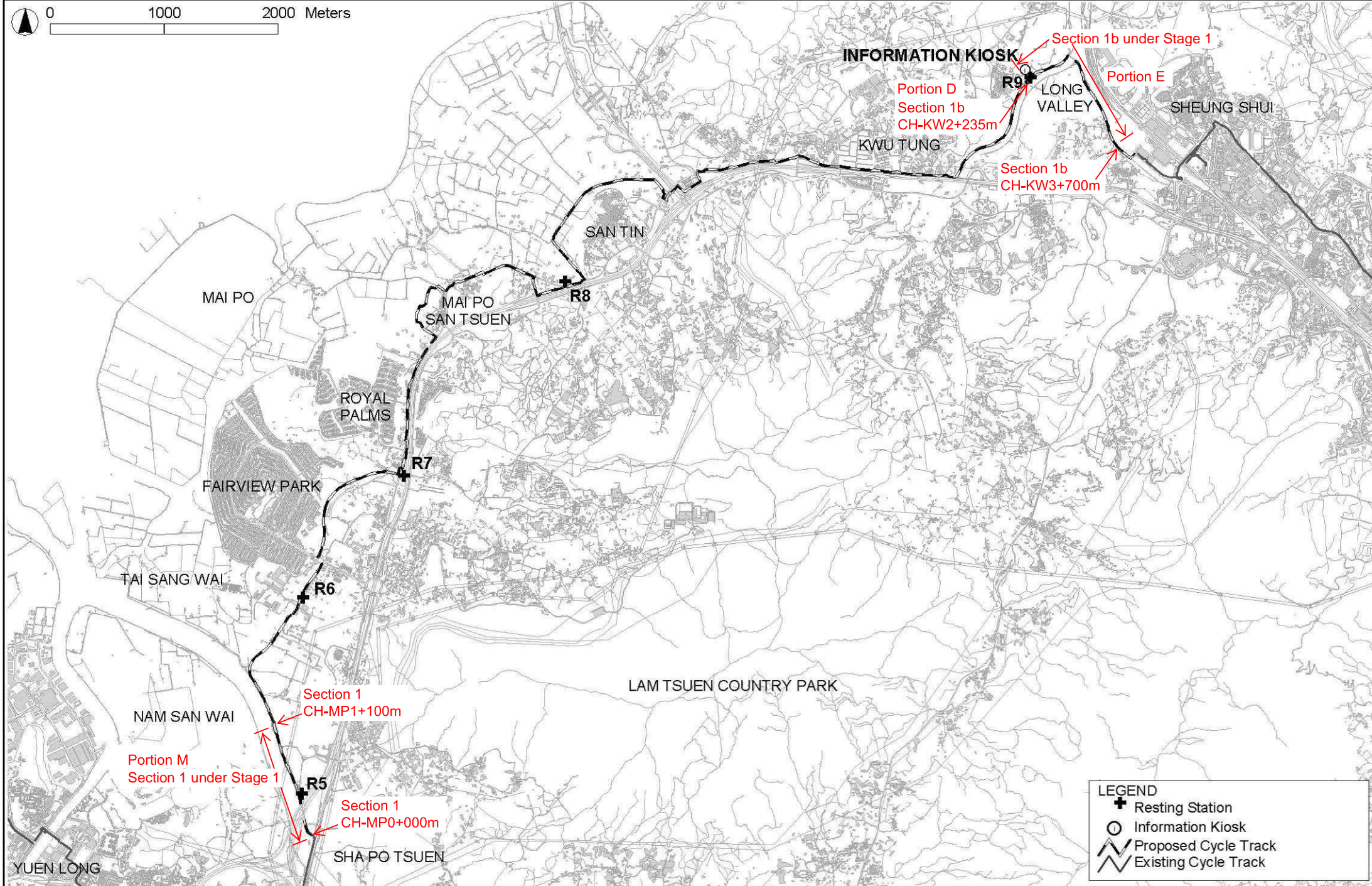
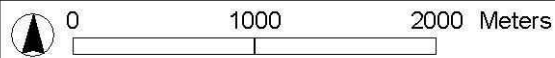
- 5.1.1 There was no complaint, summonses and notices reported in this reporting month. The cumulative log of complaints, notices and summons is provided in Appendix 4.

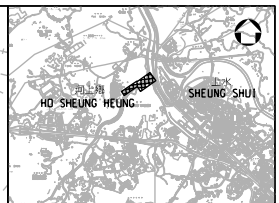
6 CONCLUSIONS

- 6.1.1 There was no complaint, summonses and notices reported in this reporting.
- 6.1.2 Several environmental issues have been identified by the ET during inspections including construction materials were found too close to the tree, chemical containers without drip tray were observed, accumulated general wastes were observed in the U-channel, accumulated rubbish was observed onsite and exposed stockpile was observed dry and without proper cover onsite.
- 6.1.3 The Contractor has implemented mitigation measures to address those problems. The measures taken by the contractor were considered as effective to minimize negative impact to the environment. On-going investigations will be carried out to observe performance and effectiveness of those measures. Outstanding environmental items will be inspected in the following month.
- 6.1.4 The Contractor has been using the waste management and record system including allocation of waste storage areas and the trip ticket system as proposed in the EMP.
- 6.1.5 The ET will continue to implement the environmental monitoring & audit programme in accordance with the EM&A Manual requirements.

APPENDIX 1

SITE LAYOUT PLANS





NOTES :
1. FOR NOTES AND LEGEND, REFER TO DRG. NO. 06115/TMSS/CT/0202.

| Rev. 修訂 | Date 日期 | Description 內容修訂 | Drawn 繪圖 | Checked 校核 |
|---------|---------|------------------------|----------|------------|
| - | 12/13 | ISSUE FOR CONSTRUCTION | NYH | GT |

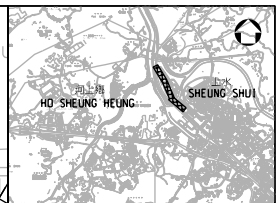
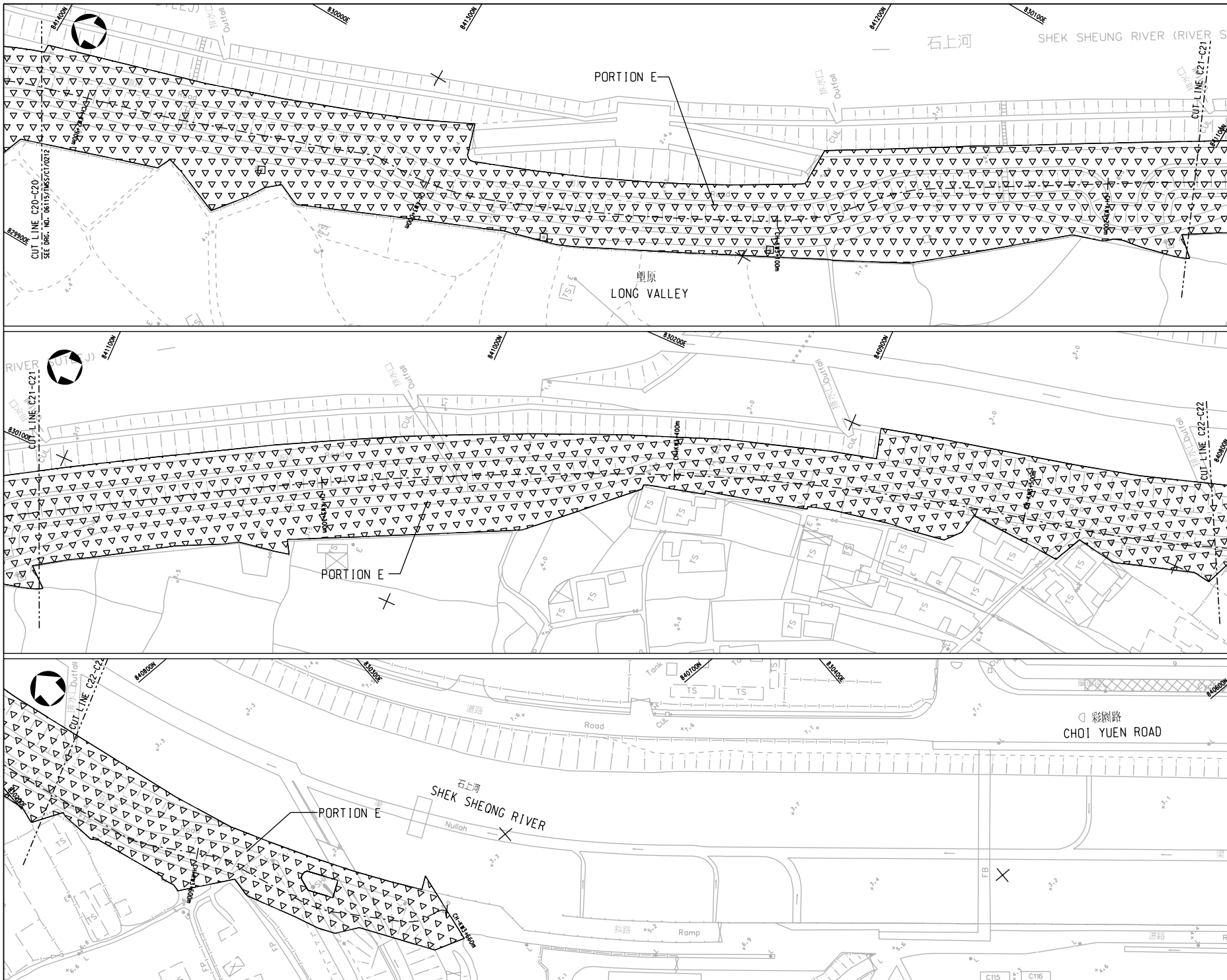
土木工程拓展署
Civil Engineering and
Development Department

CONTRACT NO. YL/2013/01
CYCLE TRACKS FROM TUEN MUN
TO SHEUNG SHUI - STAGE 1

PORTION OF THE SITE
(SHEET 12 OF 13)

| | | | | |
|----------------|---------------------|------------|-----------------|--|
| Drawing No. 圖號 | 06115/TMSS/CT/00212 | | | |
| Design 設計 | Drawn 繪圖 | Checked 校核 | Scale 1:500(A1) | |
| GT | HAX | BCSC | 1:1000(A3) | |
| Approved 核准 | TSN | Date 日期 | Status 狀態 | |
| | | 12/13 | CONSTRUCTION | |

URS



KEY PLAN
N.T.S.

NOTES:
1. FOR NOTES AND LEGEND, REFER TO DRG. NO. 06115/TMSS/CT/0202.

| Rev. 更改 | Date 日期 | Description 內容修訂 | NYH 核准 | GT 檢核 |
|---------|---------|------------------------|--------|-------|
| - | 12/13 | ISSUE FOR CONSTRUCTION | | |

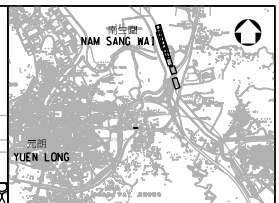
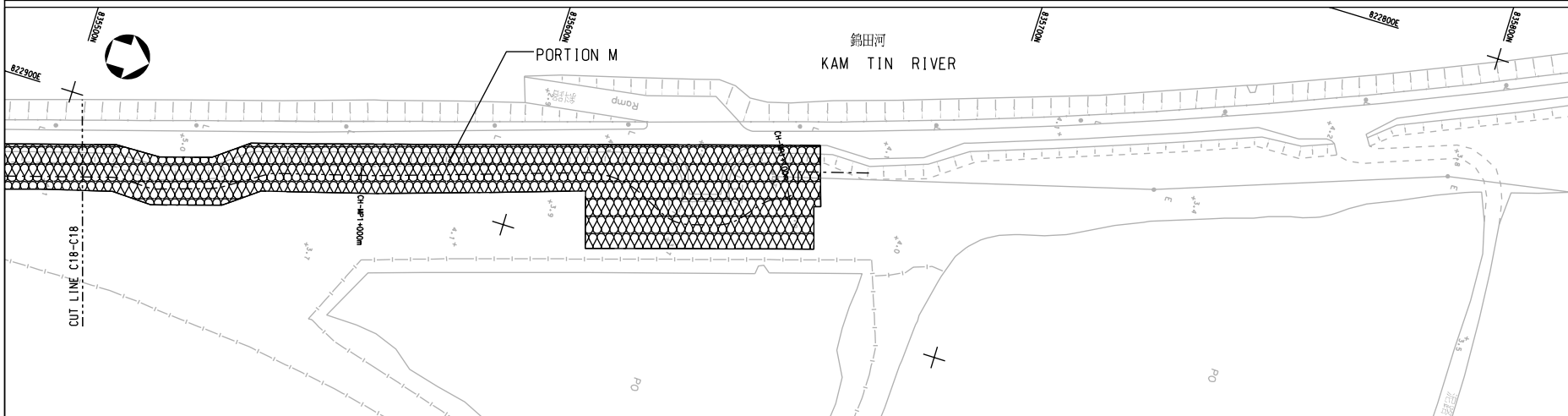
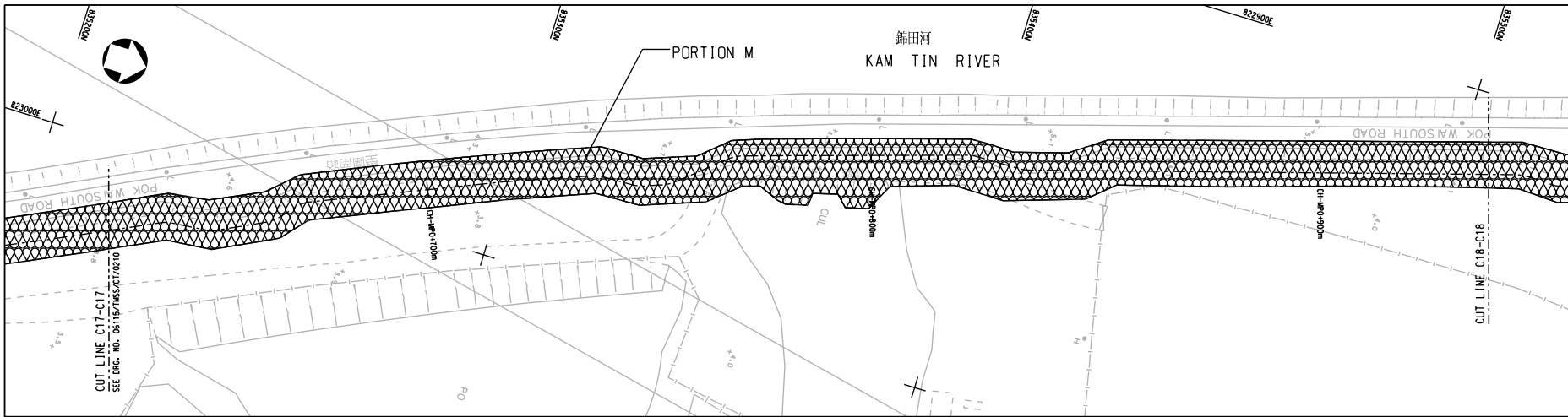
土木工程拓展署
CEDD Civil Engineering and Development Department

CONTRACT NO. YL/2013/01
CYCLE TRACKS FROM TUEN MUN TO SHEUNG SHUI - STAGE 1

PORTION OF THE SITE
(SHEET 13 OF 13)

| | | | | |
|----------------|---------------------|------------|-----------|--------------------|
| Drawing No. 圖號 | 06115/TMSS/CT/00213 | | | |
| Design 設計 | Drawn 繪圖 | Checked 校核 | Scale 比例 | 1:500(A1) |
| Approved 核准 | HAX | 05SC | Date 日期 | 11/00(A3) |
| | TSN | | Date 日期 | 12/13 |
| | | | Status 狀態 | UNDER CONSTRUCTION |

URS



KEY PLAN
N.T.S.

NOTES :
1. FOR NOTES AND LEGEND, REFER TO DRG. NO. 06115/TMSS/CT/0202.

| Rev. 修訂 | Date 日期 | Description 內容修訂 | Drawn 繪圖 | Checked 校核 |
|---------|---------|------------------------|----------|------------|
| - | 12/13 | ISSUE FOR CONSTRUCTION | NYH | GT |

土木工程拓展署
Civil Engineering and
Development Department

CONTRACT NO. YL/2013/01
CYCLE TRACKS FROM TUEN MUN
TO SHEUNG SHUI - STAGE 1

PORTION OF THE SITE
(SHEET 11 OF 13)

| | | | | |
|----------------|---------------------|----------|-------|------------|
| Drawing No. 圖號 | 06115/TMSS/CT/00211 | | | |
| Design 設計 | GT | Drawn 繪圖 | HAX | Checked 校核 |
| Approved 批准 | TSN | Date 日期 | 12/13 | Status 狀態 |
| CONSTRUCTION | | | | |

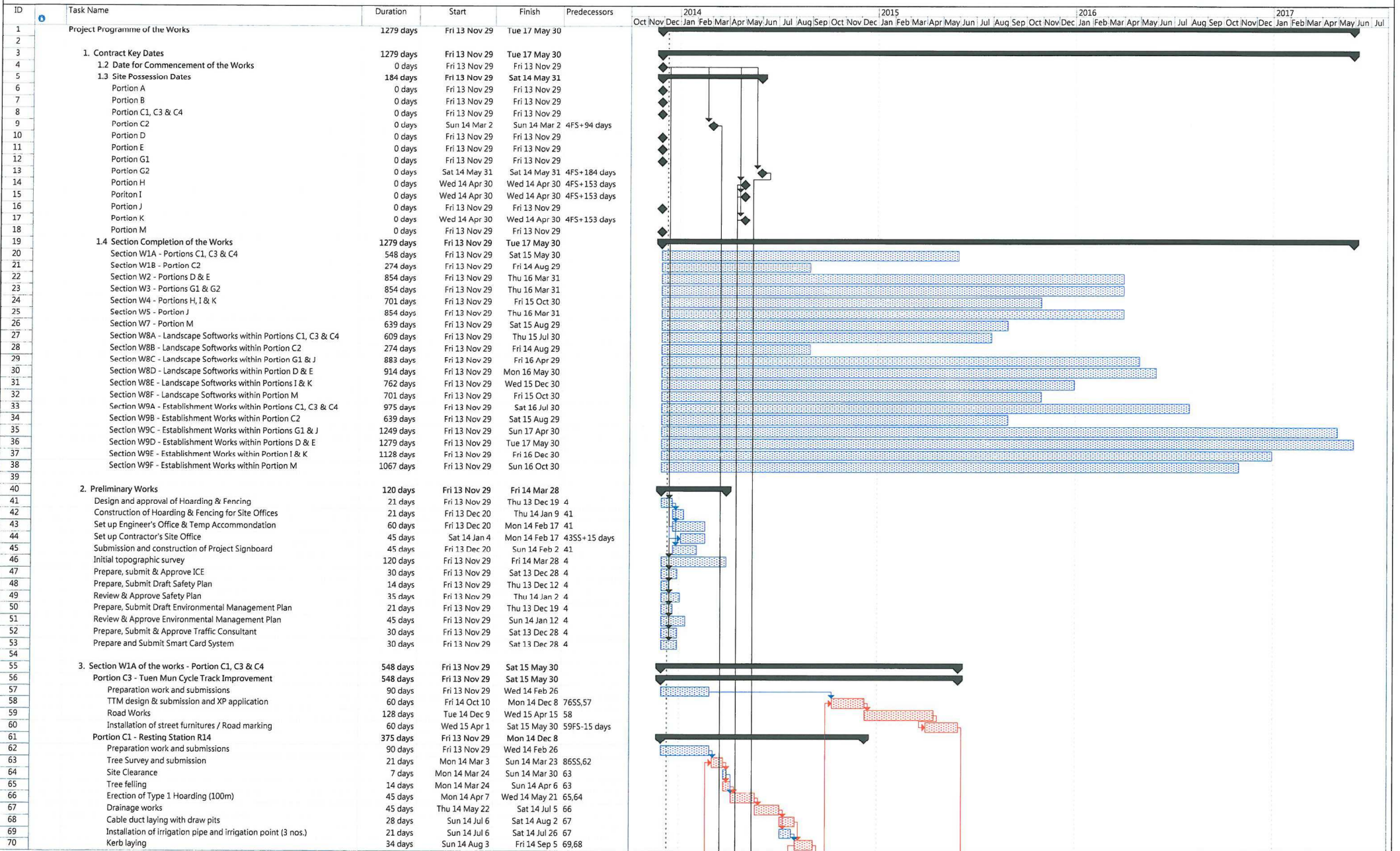


APPENDIX 2

CONSTRUCTION PROGRAMME

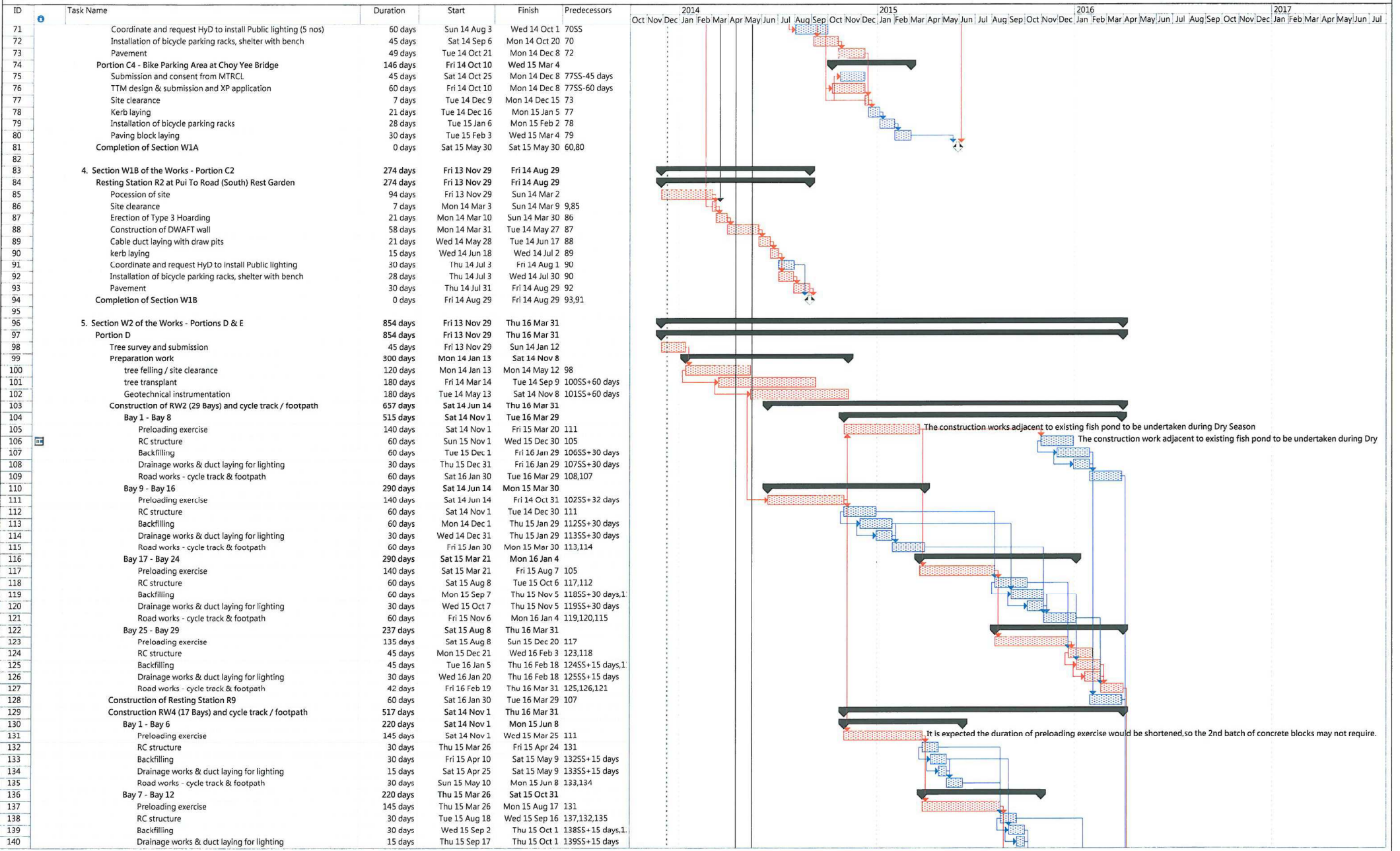
Cycle Tracks from Tuen Mun to Sheugn Shui - Stage 1

Project Programme of the Works



Cycle Tracks from Tuen Mun to Sheugn Shui - Stage 1

Project Programme of the Works



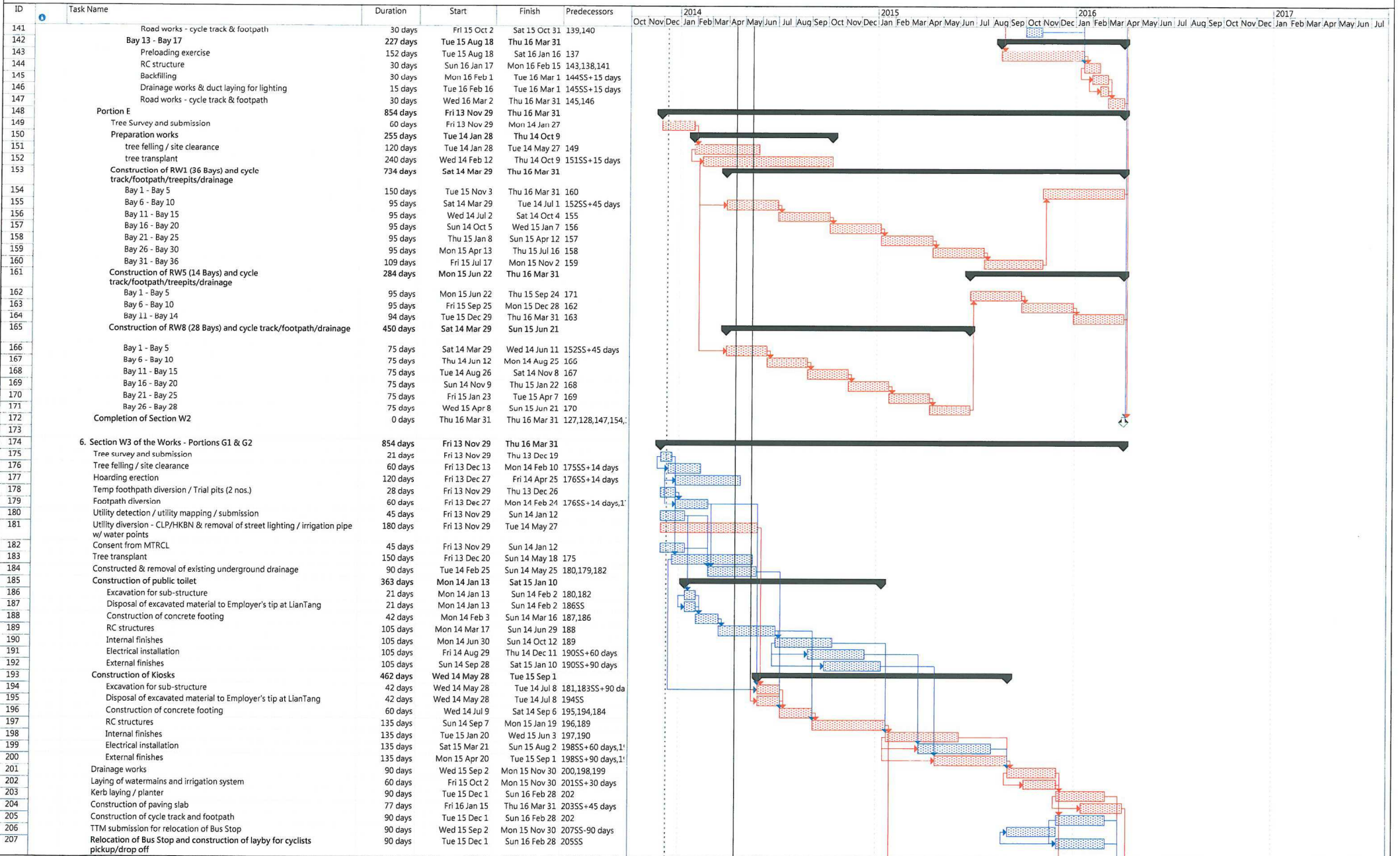
Project: YL/2013/01
 Data Date: 29 Nov 2013
 Submission: 09 Dec 2013

| | | | | | | | | | | | | | |
|---------------|--|-----------|--|----------------|--|-------------------------|--|--------------------|--|-----------------|--|------------------|--|
| Task | | Progress | | Summary | | Rolled Up Critical Task | | Rolled Up Progress | | External Tasks | | Group By Summary | |
| Critical Task | | Milestone | | Rolled Up Task | | Rolled Up Milestone | | Split | | Project Summary | | Deadline | |

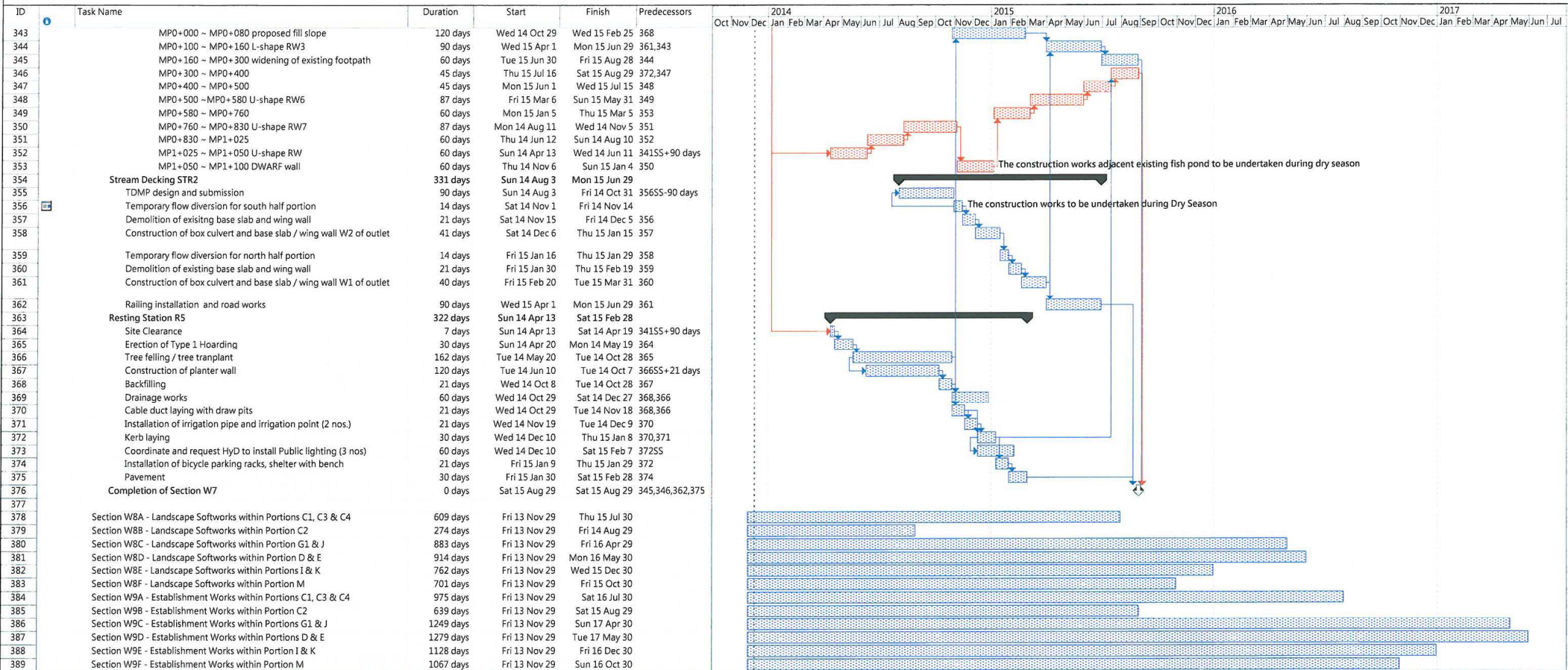
Page 2

Cycle Tracks Programme of Tuen Mun to Sheugn Shui - Stage 1

Project Programme of the Works



Cycle Tracks from Tuen Mun to Sheugn Shui - Stage 1
Project Programme of the Works



APPENDIX 3

THE CONTACT DETAILS OF KEY PERSONNEL

Contact Details of Key Personnel for the Project

| Company / Department | Name | Position | Telephone |
|---|------------------|-----------------------------------|------------------|
| AECOM Consulting Services Limited | Mr. Y.W. Fung | Environmental Team Leader | 3922 9366 |
| AECOM Consulting Services Limited (former URS Hong Kong Ltd.) | Mr. Vincent Kwan | Resident Engineer | 2672 7938 |
| Sang Hing – Kuly Joint Venture | Mr. Jeff Chan | Project Manager | 9606 2398 |
| Sang Hing – Kuly Joint Venture | Mr. W.K. Tang | Site Agent | 9300 7037 |
| Sang Hing – Kuly Joint Venture | Mr. Michael Wan | Site Environmental Officer | 9222 3089 |
| Fugro Hong Kong Ltd. | Mr. Colin Yung | Independent Environmental Checker | 3565 4114 |

APPENDIX 4

CUMULATIVE LOG OF COMPLAINTS

CUMULATIVE LOG OF COMPLAINTS

| Environmental Parameters | No. of Outstanding Complaints | No. of complaints received in this reporting month | Cumulative no. of complaints received since commencement of project |
|---------------------------------|--------------------------------------|---|--|
| Air | 0 | 0 | 0 |
| Noise | 0 | 0 | 0 |
| Water | 0 | 0 | 0 |
| Waste | 0 | 0 | 0 |
| Others | 0 | 0 | 1 |
| Total | 0 | 0 | 1 |

APPENDIX 5

WEEKLY ENVIRONMENTAL WALK RECORDS

**Civil Engineering and Development Department
Contract No. YL/2013/01**

Contract Title: Cycle Track from Tuen Mun to Sheung Shui – Stage 1

Weekly Environmental Walk No. 111 (for Construction of Cycle Tracks and the Associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River)

Weekly Environmental Walk Inspection Report

Part I :

Contract No. YL/2013/01

Contract Title Cycle Track from Tuen Mun to Sheung Shui – Stage 1

Date of Inspection 6-7-2016

Time 9:00-12:30

Persons making the inspection:

Name in Block Letters

1. MA KIU MAN
2. MICHAEL WAN
3. C-S. LAM
4. ADAM ZHU
5. _____
6. _____
7. _____
8. _____

Designation

- Contractor's Agent (or his Representative)
Environmental Officer (or Environmental Supervisor)
The Engineer's Nominated Site Representative
Environmental Team's Representative

Signature

| Item No. | Location | Situation Requiring Follow-up Action | Agreed Due Date for Completion | Date Completed | Remarks |
|----------|------------------------|--|--------------------------------|------------------|---------|
| 1. | <u>Kam Tin River</u> | <u>Construction materials were found too close to the trees.</u> | <u>13-7-2016</u> | <u>13-7-2016</u> | |
| 2. | <u>Sheng Yue River</u> | <u>Chemical containers without dip trays were observed.</u> | <u>13-7-2016</u> | <u>13-7-2016</u> | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |
| 7. | | | | | |
| 8. | | | | | |

To be signed at the end of inspection:

The Contractor's performance on nuisance abatement and waste management *is/is not to the satisfaction of the Environmental Team's Representative at the time of inspection. (* delete as appropriate)

The Engineer's Nominated Site Representative _____

Contractor's Agent or his Representative _____

Environmental Team's Representative _____

Landscape Architect _____

Part II : (To be countersigned after ALL actions are completed)

Contractor's *Environmental Officer/Assigned Person _____

The Environmental Team's Representative _____

Date _____

Date _____

Civil Engineering and Development Department
Contract No. YL/2013/01
Contract Title: Cycle Tracks from Tuen Mun to Sheung Shui – Stage 1
Weekly Environmental Walk (No. 116)
(for Construction of Cycle Tracks and the Associated Supporting Facilities
from Sha Po Tsuen to Shek Sheung River)
Environmental Inspection Checklist

Date of Inspection: 6-7-2016 Time 9:00-12:30
Weather: Sunny/Fine/Overcast/Drizzle/Rain/Storm/Hazy Temperature: 26.5°C
Wind: Calm/Light/Breeze/Strong Humidity: High/Moderate/Low
Location(s): Kam Tin River, Sheung Yue River, Shek Sheung River

Person(s) making the inspection:

| Name in Block Letters | Designation | Organisation |
|-----------------------|---|---------------------------------------|
| <u>MA KIN MAN</u> | <u>Contractor's Agent</u> | <u>Sang Hing – Kuly Joint Venture</u> |
| <u>MURRAY WAN</u> | <u>Environmental Officer</u> | <u>Sang Hing – Kuly Joint Venture</u> |
| <u>C.S.LAM</u> | <u>The Engineer's Nominated Site Representative</u> | <u>AECOM Consulting Services Ltd.</u> |
| <u>ADAM ZHU</u> | <u>Environmental Team's Representative</u> | <u>AECOM Consulting Services Ltd.</u> |
| | <u>Independent Environmental Checker (IEC)</u> | <u>Fugro (Hong Kong) Ltd.</u> |
| | <u>Landscape Architect</u> | <u>Terra Studio Ltd.</u> |

| | YES | NO | N/A | REMARK* |
|---|-------------------------------------|--------------------------|-------------------------------------|---------|
| 1 GENERAL | | | | |
| a. Environmental Permit (EP) copy at place of work | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Environmental posters/notices at place of work | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Site kept clean and tidy | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| d. Engine shut off when not in use | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Proper maintenance of site plant and equipment | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| f. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 2. AIR POLLUTION | | | | |
| a. Site Perimeter Hoardings provided as required | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| b. Haul Road paved or kept wet | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Water spraying during loading and unloading of dusty material | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| d. Exposed stockpile & dusty materials in storage wetted or covered by tarpaulin as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Dust suppression measures taken and/or dust Screen erected for dusty site activities | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| f. Wheel washing bays provided at site vehicle exits and maintained in good working order | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| g. Vehicle wheels washed before leaving site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Dump trucks fitted with mechanical tarpaulin cover | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| i. Dusty loads on vehicles covered by tarpaulin | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| j. Vehicle speed control (8KM/hr) on site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| k. Black smoke emission control from site plant | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| l. No opening burning of debris on site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| m. Use of Ultra Low Sulphur Diesel (ULSD) for constructional plant and equipment | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| n. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 3 WATER POLLUTION | | | | |
| a. Tightly sealed closed grab excavator used for river channel excavation works | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| b. River excavation works sections by sections as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Splashing of sediment avoided during transfer | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| d. Floating debris in river cleared | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Leakage from plant & vessel avoided | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| f. Wheel washing bay desilted regularly | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| g. Temporary drainage diversion provided as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Site runoff/wastewater discharge through silt traps or sedimentation tanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| i. Silt traps, sedimentation tank & drainages cleared | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| J. Sand bags provided at site entrance and around road gullies as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| k. Water Discharge License applied as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| l. Self-monitoring on site runoff/wastewater conducted as necessary | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| m. Chemical toilets provided as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| n. Heavy Rainstorm Response Procedure displayed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| o. Construction works adjacent to the fishponds near Kam Tin River and Long Valley should not be undertaken in April to October | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| p. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

| | YES | NO | N/A | REMARK* |
|---|-------------------------------------|--------------------------|-------------------------------------|---------|
| 4. <u>NOISE POLLUTION</u> | | | | |
| a. Temporary noise barriers installed at works area as needed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Noisy plant and equipment sited away from noisy sensitive receiver as possible | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| c. Air Compressors and portable percussive breakers with Noise Emission Labels | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| d. Pneumatic percussive breakers fitted with sound mufflers | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| e. Engine flap covers kept closed of construction plant during operations | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| f. Excavator breaker tip wrapped with sound insulating material for breaking work | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| g. Noise baffles/screens to noisy machines/site activities as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Valid Construction Noise Permits (CNP) for works in restricted hours | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| i. Full compliance with CNP conditions | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| j. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |


| | | | | |
|--|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 5. <u>WASTE MANAGEMENT</u> | | | | |
| a. Designated area for sorting and temporary storage of C & D materials on site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Proper sorting of inert and non-inert materials | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Recycle bins for recycling of different materials | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| d. Rubbish bins for general rubbish | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Measures taken to avoid cross contamination of different wastes | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| f. Disposed of regularly to avoid excessive accumulation | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| g. Trip tickets and EPD chits duly completed and used in C & D waste disposal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Registration as Chemical Waste Producer as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| i. Chemical wastes properly labeled and packaged | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| j. Chemical wastes pending collection stored properly to avoid leakage | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| k. Used trip tickets kept for chemical waste disposal | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| l. Proper handling of contaminated soil samples in land contamination investigation work | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| m. Proper storage of contaminated soil samples in land contamination investigation work | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| n. Emergency spillage procedure posted and correctly implemented | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| o. Other: Please specify | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Chemical containers without drip tray were observed. |

| | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 6. <u>OTHERS</u> | | | | |
| a. Existing trees and vegetation maintained and protected as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Materials & Plant kept way from existing trees and vegetation | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Construction materials were found too close to the tree. |
| c. Topsoil conserved and re-use in landscape works | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| d. Night-time lighting controlled to minimize glare | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| e. In situ compensation planting should occur at the Information Kiosk and R9 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| f. Implementation of signage at the Resting Stations to indicate that wildlife may be present and that noise levels and activities should be kept to a minimum. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| g. Others: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

*To record the details of compliance for the checked items if applicable

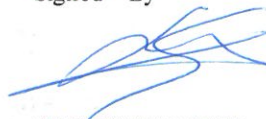
7. OTHER COMMENTS
- a. _____
- b. _____
- c. _____

Signed By



Name & Title: FT Rep Adam Zhu
Environmental Team's Representative

Signed By



Name & Title: C. S. Lam
Engineer's Nominated Site Representative

Civil Engineering and Development Department
Contract No. YL/2013/01
Contract Title: Cycle Track from Tuen Mun to Sheung Shui – Stage 1
Weekly Environmental Walk No. 116
(for Construction of Cycle Tracks and the Associated Supporting Facilities
from Sha Po Tsuen to Shek Sheung River)
Environmental Inspection Checklist

| Deficiency Items Identified during Weekly Site Walk | Status after Rectification |
|---|--|
|  |  |
| Item no. 6(b) | Rectified Date: 13 July 2016 |
| Description: Construction materials were found too close to the tree. | Follow up Action Taken: Construction materials had been removed properly. |
| Location: Kam Tin River | |
|  |  |
| Item no. 5(o) | Rectified Date: 13 July 2016 |
| Description: Chemical containers without drip tray were observed. | Follow up Action Taken: Chemical containers without drip tray had been removed. |
| Location: Sheung Yue River | |

**Civil Engineering and Development Department
Contract No. YL/2013/01**

Contract Title: Cycle Track from Tuen Mun to Sheung Shui – Stage 1

Weekly Environmental Walk No. 47 (for Construction of Cycle Tracks and the Associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River)

Weekly Environmental Walk Inspection Report

Part I:

Contract No. YL/2013/01

Contract Title Cycle Track from Tuen Mun to Sheung Shui – Stage 1

Date of Inspection 12-7-2016

Time 9:30 - 13:00

Persons making the inspection:

Name in Block Letters

1. MA KWAN MAN
2. MICHAEL WAN
3. C.S. LAM
4. ADAM ZHU
5. BONG YU
6. _____
7. _____
8. _____

Designation

- Contractor's Agent (or his Representative)
Environmental Officer (or Environmental Supervisor)
The Engineer's Nominated Site Representative
Environmental Team's Representative
IEC Rep.

Signature

| Item No. | Location | Situation Requiring Follow-up Action | Agreed Due Date for Completion | Date Completed | Remarks |
|----------|------------------------|--|--------------------------------|------------------|---------|
| 1. | <u>Kam Tin River</u> | <u>Chemical containers without drip trays were observed on site.</u> | <u>20-7-2016</u> | <u>20-7-2016</u> | |
| 2. | | | | | |
| 3. | <u>Shang Yui River</u> | <u>Accumulated general wastes were observed in the U-channel.</u> | <u>20-7-2016</u> | <u>20-7-2016</u> | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |
| 7. | | | | | |
| 8. | | | | | |

To be signed at the end of inspection:

The Contractor's performance on nuisance abatement and waste management *is/is not to the satisfaction of the Environmental Team's Representative at the time of inspection. (* delete as appropriate)

The Engineer's Nominated Site Representative _____
Environmental Team's Representative _____

Contractor's Agent or his Representative _____
Landscape Architect _____

Part II : (To be countersigned after ALL actions are completed)

Contractor's *Environmental Officer/Assigned Person _____

The Environmental Team's Representative _____

Date _____

Date _____

Civil Engineering and Development Department
Contract No. YL/2013/01
Contract Title: Cycle Tracks from Tuen Mun to Sheung Shui – Stage 1
Weekly Environmental Walk (No. 7)
(for Construction of Cycle Tracks and the Associated Supporting Facilities
from Sha Po Tsuen to Shek Sheung River)
Environmental Inspection Checklist

Date of Inspection: 12-7-2016 Time 9:30-13:00
 Weather: Sunny/Fine/Overcast/Drizzle/Rain/Storm/Hazy Temperature: 29.5 °C
 Wind: Calm/Light/Breeze/Strong Humidity: High/Moderate/Low
 Location(s): Kam Tin River Sheung Yue River Shek Sheung River

Person(s) making the inspection:

| Name in Block Letters | Designation | Organisation |
|-----------------------|---|---------------------------------------|
| <u>MA KIN MAN</u> | <u>Contractor's Agent</u> | <u>Sang Hing – Kuly Joint Venture</u> |
| <u>MICHAEL WAN</u> | <u>Environmental Officer</u> | <u>Sang Hing – Kuly Joint Venture</u> |
| <u>C. S. LAM</u> | <u>The Engineer's Nominated Site Representative</u> | <u>AECOM Consulting Services Ltd.</u> |
| <u>ADAM ZHU</u> | <u>Environmental Team's Representative</u> | <u>AECOM Consulting Services Ltd.</u> |
| <u>BONG YU</u> | <u>Independent Environmental Checker (IEC)</u> | <u>Fugro (Hong Kong) Ltd.</u> |
| | <u>Landscape Architect</u> | <u>Terra Studio Ltd.</u> |

| | YES | NO | N/A | REMARK* |
|---|-------------------------------------|--------------------------|-------------------------------------|---------|
| 1 GENERAL | | | | |
| a. Environmental Permit (EP) copy at place of work | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Environmental posters/notices at place of work | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Site kept clean and tidy | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| d. Engine shut off when not in use | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Proper maintenance of site plant and equipment | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| f. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 2 AIR POLLUTION | | | | |
| a. Site Perimeter Hoardings provided as required | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| b. Haul Road paved or kept wet | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Water spraying during loading and unloading of dusty material | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| d. Exposed stockpile & dusty materials in storage wetted or covered by tarpaulin as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Dust suppression measures taken and/or dust Screen erected for dusty site activities | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| f. Wheel washing bays provided at site vehicle exits and maintained in good working order | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| g. Vehicle wheels washed before leaving site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Dump trucks fitted with mechanical tarpaulin cover | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| i. Dusty loads on vehicles covered by tarpaulin | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| j. Vehicle speed control (8KM/hr) on site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| k. Black smoke emission control from site plant | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| l. No opening burning of debris on site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| m. Use of Ultra Low Sulphur Diesel (ULSD) for constructional plant and equipment | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| n. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 3 WATER POLLUTION | | | | |
| a. Tightly sealed closed grab excavator used for river channel excavation works | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| b. River excavation works sections by sections as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Splashing of sediment avoided during transfer | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| d. Floating debris in river cleared | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Leakage from plant & vessel avoided | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| f. Wheel washing bay desilted regularly | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| g. Temporary drainage diversion provided as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Site runoff/wastewater discharge through silt traps or sedimentation tanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| i. Silt traps, sedimentation tank & drainages cleared | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| J Sand bags provided at site entrance and around road gullies as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| k. Water Discharge License applied as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| l. Self-monitoring on site runoff/wastewater conducted as necessary | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| m. Chemical toilets provided as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| n. Heavy Rainstorm Response Procedure displayed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| o. Construction works adjacent to the fishponds near Kam Tin River and Long Valley should not be undertaken in April to October | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| p. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

| | YES | NO | N/A | REMARK* |
|---|-------------------------------------|--------------------------|-------------------------------------|---------|
| 4. NOISE POLLUTION | | | | |
| a. Temporary noise barriers installed at works area as needed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Noisy plant and equipment sited away from noisy sensitive receiver as possible | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| c. Air Compressors and portable percussive breakers with Noise Emission Labels | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| d. Pneumatic percussive breakers fitted with sound mufflers | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| e. Engine flap covers kept closed of construction plant during operations | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| f. Excavator breaker tip wrapped with sound insulating material for breaking work | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| g. Noise baffles/screens to noisy machines/site activities as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Valid Construction Noise Permits (CNP) for works in restricted hours | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| i. Full compliance with CNP conditions | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| j. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

| | | | | |
|--|-------------------------------------|-------------------------------------|-------------------------------------|---|
| 5. WASTE MANAGEMENT | | | | |
| a. Designated area for sorting and temporary storage of C & D materials on site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Proper sorting of inert and non-inert materials | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Recycle bins for recycling of different materials | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| d. Rubbish bins for general rubbish | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Measures taken to avoid cross contamination of different wastes | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| f. Disposed of regularly to avoid excessive accumulation | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Accumulated general wastes were observed in the U-Channel. |
| g. Trip tickets and EPD chits duly completed and used in C & D waste disposal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Registration as Chemical Waste Producer as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| i. Chemical wastes properly labeled and packaged | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| j. Chemical wastes pending collection stored properly to avoid leakage | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| k. Used trip tickets kept for chemical waste disposal | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| l. Proper handling of contaminated soil samples in land contamination investigation work | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| m. Proper storage of contaminated soil samples in land contamination investigation work | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| n. Emergency spillage procedure posted and correctly implemented | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| o. Other: Please specify | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Chemical containers without drip tray were observed onsite. |

| | | | | |
|---|-------------------------------------|--------------------------|-------------------------------------|--|
| 6. OTHERS | | | | |
| a. Existing trees and vegetation maintained and protected as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Materials & Plant kept way from existing trees and vegetation | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Topsoil conserved and re-use in landscape works | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| d. Night-time lighting controlled to minimize glare | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| e. In situ compensation planting should occur at the Information Kiosk and R9 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| f. Implementation of signage at the Resting Stations to indicate that wildlife may be present and that noise levels and activities should be kept to a minimum. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| g. Others: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

7. OTHER COMMENTS


a. _____

b. _____

c. _____


*To record the details of compliance for the checked items if applicable

Signed By



Name & Title: Adam Zhu, ET Rep.
Environmental Team's Representative

Signed By



Name & Title: SLOW
Engineer's Nominated Site Representative

Civil Engineering and Development Department
Contract No. YL/2013/01
Contract Title: Cycle Track from Tuen Mun to Sheung Shui – Stage 1
Weekly Environmental Walk No. 117
(for Construction of Cycle Tracks and the Associated Supporting Facilities
from Sha Po Tsuen to Shek Sheung River)
Environmental Inspection Checklist

| Deficiency Items Identified during Weekly Site Walk | Status after Rectification |
|---|--|
|  |  |
| <p>Item no. 5(o)</p> <p>Description: Chemical containers without drip tray were observed onsite.</p> <p>Location: Kam Tin River</p> | <p>Rectified Date: 20 July 2016</p> <p>Follow up Action Taken: Chemical containers without drip tray had been removed.</p> |
|  |  |
| <p>Item no. 5(f)</p> <p>Description: Accumulated general wastes were observed in the U-channel.</p> <p>Location: Sheung Yue River</p> | <p>Rectified Date: 20 July 2016</p> <p>Follow up Action Taken: The accumulated general wastes were removed and channel covers had been provided.</p> |

**Civil Engineering and Development Department
Contract No. YL/2013/01**

Contract Title: Cycle Track from Tuen Mun to Sheung Shui – Stage 1

Weekly Environmental Walk No. 118 (for Construction of Cycle Tracks and the Associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River)

Weekly Environmental Walk Inspection Report

Part I:

Contract No. YL/2013/01

Contract Title Cycle Track from Tuen Mun to Sheung Shui – Stage 1

Date of Inspection 18-7-2016

Time 9:30-12:30

Persons making the inspection:

Name in Block Letters

Designation

Signature

1. MA KIN MAN
2. MICHAEL WAN
3. C. S. LAM
4. ADAM ZHU
5. _____
6. _____
7. _____
8. _____

- Contractor's Agent (or his Representative)
Environmental Officer (or Environmental Supervisor)
The Engineer's Nominated Site Representative
Environmental Team's Representative
- _____

| Item No. | Location | Situation Requiring Follow-up Action | Agreed Due Date for Completion | Date Completed | Remarks |
|----------|------------------------|--|--------------------------------|------------------|---------|
| 1. | <u>Shang Yue River</u> | <u>Accumulated rubbish was observed on site.</u> | <u>27-7-2016</u> | <u>27-7-2016</u> | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |
| 7. | | | | | |
| 8. | | | | | |

To be signed at the end of inspection:

The Contractor's performance on nuisance abatement and waste management *is/is not to the satisfaction of the Environmental Team's Representative at the time of inspection. (* delete as appropriate)

The Engineer's Nominated Site Representative _____
Environmental Team's Representative _____

Contractor's Agent or his Representative _____
Landscape Architect _____

Part II : (To be countersigned after ALL actions are completed)

Contractor's *Environmental Officer/Assigned Person _____
Date _____

The Environmental Team's Representative _____
Date _____

Civil Engineering and Development Department
Contract No. YL/2013/01
Contract Title: Cycle Tracks from Tuen Mun to Sheung Shui – Stage 1
Weekly Environmental Walk (No. 118)
(for Construction of Cycle Tracks and the Associated Supporting Facilities
from Sha Po Tsuen to Shek Sheung River)
Environmental Inspection Checklist

Date of Inspection: 18-7-2016 Time 9:30 - 12:30
Weather: Sunny/Fine/Overcast/Drizzle/Rain/Storm/Hazy Temperature: 34.3 °C
Wind: Calm/Light/Breeze/Strong Humidity: High/Moderate/Low
Location(s): Kam Tin River, Sheung Yue River, Shek Sheung River

Person(s) making the inspection:

| <u>Name in Block Letters</u> | <u>Designation</u> | <u>Organisation</u> |
|------------------------------|---|---------------------------------------|
| <u>MA KIN MAN</u> | <u>Contractor's Agent</u> | <u>Sang Hing – Kuly Joint Venture</u> |
| <u>MICHAEL MAN</u> | <u>Environmental Officer</u> | <u>Sang Hing – Kuly Joint Venture</u> |
| <u>C. S. LAM</u> | <u>The Engineer's Nominated Site Representative</u> | <u>AECOM Consulting Services Ltd.</u> |
| <u>ABAM ZHU</u> | <u>Environmental Team's Representative</u> | <u>AECOM Consulting Services Ltd.</u> |
| | <u>Independent Environmental Checker (IEC)</u> | <u>Fugro (Hong Kong) Ltd.</u> |
| | <u>Landscape Architect</u> | <u>Terra Studio Ltd.</u> |

| | YES | NO | N/A | REMARK* |
|---|-------------------------------------|--------------------------|-------------------------------------|---------|
| 1 GENERAL | | | | |
| a. Environmental Permit (EP) copy at place of work | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Environmental posters/notices at place of work | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Site kept clean and tidy | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| d. Engine shut off when not in use | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Proper maintenance of site plant and equipment | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| f. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 2. AIR POLLUTION | | | | |
| a. Site Perimeter Hoardings provided as required | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| b. Haul Road paved or kept wet | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Water spraying during loading and unloading of dusty material | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| d. Exposed stockpile & dusty materials in storage wetted or covered by tarpaulin as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Dust suppression measures taken and/or dust Screen erected for dusty site activities | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| f. Wheel washing bays provided at site vehicle exits and maintained in good working order | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| g. Vehicle wheels washed before leaving site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Dump trucks fitted with mechanical tarpaulin cover | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| i. Dusty loads on vehicles covered by tarpaulin | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| j. Vehicle speed control (8KM/hr) on site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| k. Black smoke emission control from site plant | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| l. No opening burning of debris on site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| m. Use of Ultra Low Sulphur Diesel (ULSD) for constructional plant and equipment | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| n. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 3 WATER POLLUTION | | | | |
| a. Tightly sealed closed grab excavator used for river channel excavation works | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| b. River excavation works sections by sections as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Splashing of sediment avoided during transfer | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| d. Floating debris in river cleared | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Leakage from plant & vessel avoided | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| f. Wheel washing bay desilted regularly | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| g. Temporary drainage diversion provided as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Site runoff/wastewater discharge through silt traps or sedimentation tanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| i. Silt traps, sedimentation tank & drainages cleared | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| J. Sand bags provided at site entrance and around road gullies as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| k. Water Discharge License applied as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| l. Self-monitoring on site runoff/wastewater conducted as necessary | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| m. Chemical toilets provided as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| n. Heavy Rainstorm Response Procedure displayed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| o. Construction works adjacent to the fishponds near Kam Tin River and Long Valley should not be undertaken in April to October | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| p. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

| | YES | NO | N/A | REMARK* |
|---|-------------------------------------|--------------------------|-------------------------------------|---------|
| 4. <u>NOISE POLLUTION</u> | | | | |
| a. Temporary noise barriers installed at works area as needed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Noisy plant and equipment sited away from noisy sensitive receiver as possible | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| c. Air Compressors and portable percussive breakers with Noise Emission Labels | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| d. Pneumatic percussive breakers fitted with sound mufflers | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| e. Engine flap covers kept closed of construction plant during operations | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| f. Excavator breaker tip wrapped with sound insulating material for breaking work | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| g. Noise baffles/screens to noisy machines/site activities as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Valid Construction Noise Permits (CNP) for works in restricted hours | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| i. Full compliance with CNP conditions | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| j. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

| | | | | |
|--|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 5. <u>WASTE MANAGEMENT</u> | | | | |
| a. Designated area for sorting and temporary storage of C & D materials on site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Proper sorting of inert and non-inert materials | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Recycle bins for recycling of different materials | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| d. Rubbish bins for general rubbish | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Measures taken to avoid cross contamination of different wastes | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| f. Disposed of regularly to avoid excessive accumulation | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Accumulated rubbish was observed on site |
| g. Trip tickets and EPD chits duly completed and used in C & D waste disposal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Registration as Chemical Waste Producer as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| i. Chemical wastes properly labeled and packaged | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| j. Chemical wastes pending collection stored properly to avoid leakage | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| k. Used trip tickets kept for chemical waste disposal | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| l. Proper handling of contaminated soil samples in land contamination investigation work | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| m. Proper storage of contaminated soil samples in land contamination investigation work | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| n. Emergency spillage procedure posted and correctly implemented | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| o. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

| | | | | |
|---|-------------------------------------|--------------------------|-------------------------------------|--|
| 6. <u>OTHERS</u> | | | | |
| a. Existing trees and vegetation maintained and protected as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Materials & Plant kept way from existing trees and vegetation | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Topsoil conserved and re-use in landscape works | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| d. Night-time lighting controlled to minimize glare | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| e. In situ compensation planting should occur at the Information Kiosk and R9 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| f. Implementation of signage at the Resting Stations to indicate that wildlife may be present and that noise levels and activities should be kept to a minimum. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| g. Others: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

7. OTHER COMMENTS

a. _____

b. _____

c. _____

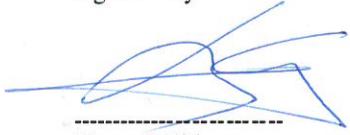
*To record the details of compliance for the checked items if applicable

Signed By



Name & Title: *Adam the 31 rep.*
Environmental Team's Representative

Signed By



Name & Title:
Engineer's Nominated Site Representative

Civil Engineering and Development Department
Contract No. YL/2013/01
Contract Title: Cycle Track from Tuen Mun to Sheung Shui – Stage 1
Weekly Environmental Walk No. 118
(for Construction of Cycle Tracks and the Associated Supporting Facilities
from Sha Po Tsuen to Shek Sheung River)
Environmental Inspection Checklist

| Deficiency Items Identified during Weekly Site Walk | Status after Rectification |
|---|--|
|  |  |
| Item no. 5(f) | Rectified Date: 27 July 2016 |
| Description: Accumulated rubbish was observed onsite. | Follow up Action Taken: Accumulated rubbish had been removed. |
| Location: Sheung Yue River | |

**Civil Engineering and Development Department
Contract No. YL/2013/01**

Contract Title: Cycle Track from Tuen Mun to Sheung Shui – Stage 1
Weekly Environmental Walk No. 19 (for Construction of Cycle Tracks and the Associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River)

Weekly Environmental Walk Inspection Report

Part I:

Contract No. YL/2013/01

Contract Title Cycle Track from Tuen Mun to Sheung Shui – Stage 1

Date of Inspection 27-7-2016

Time 14:00 - 17:30

Persons making the inspection:

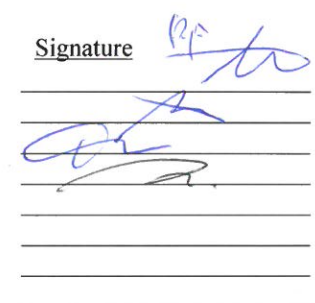
Name in Block Letters

1. MA KIN MAN
2. MICHAEL WAN
3. ZHAN TANG
4. ADM ZHU
5. _____
6. _____
7. _____
8. _____

Designation

- Contractor's Agent (or his Representative)
 Environmental Officer (or Environmental Supervisor)
 The Engineer's Nominated Site Representative
 Environmental Team's Representative

Signature

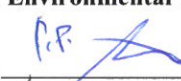


| Item No. | Location | Situation Requiring Follow-up Action | Agreed Due Date for Completion | Date Completed | Remarks |
|----------|-------------------|---|--------------------------------|----------------|---------|
| 1. | Shek Sheung River | Exposed stockpile was observed dry and without paper cover onsite | 3-8-2016 | 3-8-2016 | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |
| 7. | | | | | |
| 8. | | | | | |

To be signed at the end of inspection:

The Contractor's performance on nuisance abatement and waste management *is/is not to the satisfaction of the Environmental Team's Representative at the time of inspection. (* delete as appropriate)

The Engineer's Nominated Site Representative 
 Environmental Team's Representative _____

Contractor's Agent or his Representative 
 Landscape Architect _____

Part II : (To be countersigned after ALL actions are completed)

Contractor's *Environmental Officer/Assigned Person _____
 Date _____

The Environmental Team's Representative _____
 Date _____

Civil Engineering and Development Department
Contract No. YL/2013/01
Contract Title: Cycle Tracks from Tuen Mun to Sheung Shui – Stage 1
Weekly Environmental Walk (No. 118)
(for Construction of Cycle Tracks and the Associated Supporting Facilities
from Sha Po Tsuen to Shek Sheung River)
Environmental Inspection Checklist

Date of Inspection: 27-7-2016 Time 14:00 - 17:30
 Weather: Sunny/Fine/Overcast/Drizzle/Rain/Storm/Hazy Temperature: 20.3 °C
 Wind: Calm/Light/Breeze/Strong Humidity: High/Moderate/Low
 Location(s): Kam Tin River Sheung Yue River Shek Sheung River

Person(s) making the inspection:

| Name in Block Letters | Designation | Organisation |
|-----------------------|---|---------------------------------------|
| <u>MA KUN MAN</u> | <u>Contractor's Agent</u> | <u>Sang Hing – Kuly Joint Venture</u> |
| <u>MICHAEL WAN</u> | <u>Environmental Officer</u> | <u>Sang Hing – Kuly Joint Venture</u> |
| <u>IVAN TANG</u> | <u>The Engineer's Nominated Site Representative</u> | <u>URS Hong Kong Ltd.</u> |
| <u>ADAM ZHUA</u> | <u>Environmental Team's Representative</u> | <u>URS Hong Kong Ltd.</u> |
| | <u>Independent Environmental Checker (IEC)</u> | <u>Fugro (Hong Kong) Ltd.</u> |
| | <u>Landscape Architect</u> | <u>Terra Studio Ltd.</u> |

| | YES | NO | N/A | REMARK* |
|---|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 1 GENERAL | | | | |
| a. Environmental Permit (EP) copy at place of work | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Environmental posters/notices at place of work | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Site kept clean and tidy | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| d. Engine shut off when not in use | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Proper maintenance of site plant and equipment | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| f. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 2. AIR POLLUTION | | | | |
| a. Site Perimeter Hoardings provided as required | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| b. Haul Road paved or kept wet | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Water spraying during loading and unloading of dusty material | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| d. Exposed stockpile & dusty materials in storage wetted or covered by tarpaulin as required | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>Exposed stockpile was observed dry and without proper cover onsite.</i> |
| e. Dust suppression measures taken and/or dust Screen erected for dusty site activities | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| f. Wheel washing bays provided at site vehicle exits and maintained in good working order | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| g. Vehicle wheels washed before leaving site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Dump trucks fitted with mechanical tarpaulin cover | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| i. Dusty loads on vehicles covered by tarpaulin | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| j. Vehicle speed control (8KM/hr) on site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| k. Black smoke emission control from site plant | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| l. No opening burning of debris on site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| m. Use of Ultra Low Sulphur Diesel (ULSD) for constructional plant and equipment | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| n. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 3 WATER POLLUTION | | | | |
| a. Tightly sealed closed grab excavator used for river channel excavation works | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| b. River excavation works sections by sections as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Splashing of sediment avoided during transfer | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| d. Floating debris in river cleared | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Leakage from plant & vessel avoided | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| f. Wheel washing bay desilted regularly | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| g. Temporary drainage diversion provided as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Site runoff/wastewater discharge through silt traps or sedimentation tanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| i. Silt traps, sedimentation tank & drainages cleared | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| J. Sand bags provided at site entrance and around road gullies as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| k. Water Discharge License applied as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| l. Self-monitoring on site runoff/wastewater conducted as necessary | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| m. Chemical toilets provided as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| n. Heavy Rainstorm Response Procedure displayed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| o. Construction works adjacent to the fishponds near Kam Tin River and Long Valley should not be undertaken in April to October | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| p. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

| | YES | NO | N/A | REMARK* |
|---|-------------------------------------|--------------------------|-------------------------------------|---------|
| 4. NOISE POLLUTION | | | | |
| a. Temporary noise barriers installed at works area as needed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Noisy plant and equipment sited away from noisy sensitive receiver as possible | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| c. Air Compressors and portable percussive breakers with Noise Emission Labels | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| d. Pneumatic percussive breakers fitted with sound mufflers | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| e. Engine flap covers kept closed of construction plant during operations | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| f. Excavator breaker tip wrapped with sound insulating material for breaking work | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| g. Noise baffles/screens to noisy machines/site activities as necessary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Valid Construction Noise Permits (CNP) for works in restricted hours | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| i. Full compliance with CNP conditions | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| j. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 5. WASTE MANAGEMENT | | | | |
| a. Designated area for sorting and temporary storage of C & D materials on site | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Proper sorting of inert and non-inert materials | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Recycle bins for recycling of different materials | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| d. Rubbish bins for general rubbish | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Measures taken to avoid cross contamination of different wastes | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| f. Disposed of regularly to avoid excessive accumulation | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| g. Trip tickets and EPD chits duly completed and used in C & D waste disposal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Registration as Chemical Waste Producer as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| i. Chemical wastes properly labeled and packaged | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| j. Chemical wastes pending collection stored properly to avoid leakage | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| k. Used trip tickets kept for chemical waste disposal | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| l. Proper handling of contaminated soil samples in land contamination investigation work | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| m. Proper storage of contaminated soil samples in land contamination investigation work | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| n. Emergency spillage procedure posted and correctly implemented | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| o. Other: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 6. OTHERS | | | | |
| a. Existing trees and vegetation maintained and protected as required | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Materials & Plant kept way from existing trees and vegetation | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Topsoil conserved and re-use in landscape works | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| d. Night-time lighting controlled to minimize glare | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| e. In situ compensation planting should occur at the Information Kiosk and R9 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| f. Implementation of signage at the Resting Stations to indicate that wildlife may be present and that noise levels and activities should be kept to a minimum. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| g. Others: Please specify | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

*To record the details of compliance for the checked items if applicable

7. OTHER COMMENTS
- a. _____
- b. _____
- c. _____

Signed By

Signed By

 Name & Title: Adam Zhu, E.T. Rep
 Environmental Team's Representative

 Name & Title: Fran Yang A'ow
 Engineer's Nominated Site Representative

Civil Engineering and Development Department
Contract No. YL/2013/01
Contract Title: Cycle Track from Tuen Mun to Sheung Shui – Stage 1
Weekly Environmental Walk No. 119
(for Construction of Cycle Tracks and the Associated Supporting Facilities
from Sha Po Tsuen to Shek Sheung River)
Environmental Inspection Checklist

| Deficiency Items Identified during Weekly Site Walk | Status after Rectification |
|---|--|
|  |  |
| Item no. 2(d) | Rectified Date: 3 August 2016 |
| Description: Exposed stockpile was observed dry and without proper cover onsite. | Follow up Action Taken: The stockpile had been removed. |
| Location: Shek Sheung River | |