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

Quarterly EM&A Report

November 2017 to January 2018

Submitted to

Environmental Protection Department

Prepared By

Meinhardt Infrastructure and Environment Ltd

Meinhardt Infrastructure and Environment Limited

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

Quarterly EM&A Report

(November 2017 to January 2018)

Certified by: Fredrick Leong

Position: Environmental Team Leader

Date: 16 March 2018

MOTT MACDONALD

Hyder-Arup-Black & Veatch Joint Venture
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Attn: Mr. James Penny

Your Reference

Our Reference
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Environmental Monitoring and Audit (EM&A) for Widening of Tolo Highway/Fanling Highway between Island House Interchange and Fanling Stage 2 (between Tai Hang to Wo Hop Shek Interchange) – Entrusted Works
Environmental Permit No. EP-324/2008/E
Quarterly EM&A Summary Report for November 2017 to January 2018 for the portion of Stage 2 works entrusted to CEDD under Contract No. CV/2012/09

14 March 2018
By Fax (2805 5028) & Hand

We refer to the revised Quarterly EM&A Summary Report for November 2017 to January 2018 for the Project received on 14 March 2018 submitted by ET via email. We confirm we have no comment.

Yours faithfully
for MOTT MACDONALD HONG KONG LIMITED

Steven Tang
Independent Environmental Checker

c.c.

HyD	Mr. Chung Lok Chin	By Fax (2116 0714)
CEDD/BCP	Mr. Lu Pei Yu	By Fax (3547 1659)
AECOM	Mr. Alan Lee	By Fax (2171 3498)
Meinhardt	Mr. Fredrick Leong	By Fax (2540 1580)

Date	Revision	Prepared By	Checked By	Approved By
16 Mar 2018	0	WK CHIU Vanessa HO	Fredrick LEONG	Helen COCHRANE

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EXECUTIVE SUMMARY

This report documents the findings of EM&A works conducted in the quarter between 1 November 2017 and 31 January 2018.

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

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

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

No environmental non-compliance was recorded in the reporting quarter. One environmental complaint was received on 28 December 2017 in the reporting quarter. No environmental related prosecution or notification of summons was received in the reporting quarter.

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

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

1 INTRODUCTION AND PROJECT INFORMATION

1.1 Background

1.1.1 The Project is a Designated Project under the Environmental Impact Assessment Ordinance (EIAO) (Cap. 499). An Environmental Impact Assessment (EIA) Report together with an Environmental Monitoring and Audit (EM&A) Manual were approved on 14 July 2000 (Register Number: EIA-043/2000). The Project is governed by an Environmental Permit (EP) (EP-324/2008) which was granted on 23 December 2008. A variation of EP (VEP) was applied and the VEP (EP-324/2008/A) was subsequently granted on 31 January 2012. An additional VEP has been applied on 24 February 2014 and the VEP (EP-324/2008/B) was subsequently granted on 17 March 2014. Furthermore, an additional VEP has been applied on 9 March 2015 and the VEP (EP-324/2008/C) was subsequently granted on 27 March 2015. The previous VEP (EP-324/2008/D) was granted on 27 August 2015. The current VEP (EP-324/2008/E) was granted on 26 January 2017.

1.1.2 Chun Wo Construction & Engineering Co Ltd (Chun Wo) was commissioned by the Civil Engineering and Development Department (CEDD) as the Civil Contractor for the Entrusted Portion of Widening of Tolo Highway/Fanling Highway between Island House Interchange and Fanling Stage 2. Meinhardt Infrastructure & Environment Ltd (MIEL) has been appointed by Chun Wo as the Environmental Team (ET) to fulfill the corresponding EM&A requirements pursuant to Environmental Permit No. EP-324/2008/D in accordance with the Updated EM&A Manual (dated March 2015) for Widening of Tolo Highway/Fanling Highway between Island House Interchange and Fanling Stage 2. The EM&A programme commenced in 5 November 2013.

1.1.3 **Figure 1** shows the works areas for the Entrusted Portion of Widening of Tolo Highway/Fanling Highway between Island House Interchange and Fanling Stage 2.

1.2 Construction Programme and Activities

1.2.1 The construction programme is presented in **Appendix A**. The major construction activities undertaken in the reporting quarter are summarized below:

- Cable Detection and Trial Trenches;
- Remaining Works on New Kiu Tau Footbridge;
- Noise Barrier Construction;
- Roadworks;
- Viaduct Segment Erection;
- Water Main Laying Works;
- Installation of Noise Barrier Steel Column & Panel;
- Parapet Installation on Bridge Deck;
- Drainage Work;

- Mini-pile Installation;
- Construction of Profile Barrier & Planter Wall on Bridge Deck;
- Stressing of External Tendon; and
- Construction of Retaining Wall Behind Abutment and backfill
- Waterproofing works on Bridge deck; and
- Stitching works for longitudinal stitch of viaduct.

1.3 Project Organisation

1.3.1 The project organization structure is shown in **Appendix B**. The key personnel contact names and numbers for the Project, together with the general enquiry hotline, are summarised in **Table 1.1**.

Table 1.1 Contact Information of Key Personnel

Party	Role	Position	Name	Telephone	Fax
AECOM	Engineer's Representative	Senior Resident Engineer	Mr. Alan Lee	2171 3303	2171 3498
		Resident Engineer (Environmental)	Mr. Perry Yam	2171 3350	
Mott MacDonald	Independent Environmental Checker (IEC)	IEC	Mr. Steven Tang	2828 5920	2827 1823
Chun Wo	Contractor	Site Agent	Mr. Daniel Ho	2638 6144	2638 7077
		Environmental Officer	Ms. Tiffany Tsang	2638 6150	
Meinhardt	Environmental Team (ET)	ET Leader	Mr. Fredrick Leong	2859 1739	2540 1580
Enquiry Hotline	General Enquiry	--	Ms Helena Mak	6355 1731	--

1.4 Purpose of the Report

1.4.1 This is the Quarterly EM&A Report which summaries the impact monitoring results and audit findings for the Project during the reporting period between 1 November 2017 and 31 January 2018.

2 SUMMARY OF EM&A REQUIREMENTS

2.1 Monitoring Requirements

2.1.1 In accordance with the Updated EM&A Manual, environmental parameters including Air Quality and Noise have been monitored. The specific parameters, monitoring frequency and the respective Action and Limit Levels are given in **Table 2.1** and the location of the monitoring station is shown in the **Figure 2**.

Table 2.1 Monitoring Parameter

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

Temporary Suspension of Box Culvert Works and Water Quality Monitoring

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

2.2 Environmental Mitigation Measures

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

3 SUMMARY OF EM&A MONITORING DATA

3.1 Monitoring Data

3.1.1 Monitoring has been conducted in accordance with the specification in the EM&A Manual in the reporting quarter. Meteorological data for the reporting quarter have been extracted from Hong Kong Observatory and are given in **Appendix D**. Monitoring data with graphical presentation for the reporting quarter have been given in **Appendix E**. A summary on the monitoring results has also been given in **Table 3.1**.

Table 3.1 Summary of Monitoring Data in the Reporting Quarter

Monitoring Location	Minimum	Maximum	Average
Air Quality			
1 hour Total Suspended Particulate			
SR77	$84.2\mu g/m^3$	$247.0\mu g/m^3$	$164.6\mu g/m^3$
24 hour Total Suspended Particulate			
SR77	$35.3\mu g/m^3$	$202.7\mu g/m^3$	$95.6\mu g/m^3$
Construction Noise			
SR77	69.5dB(A)	74.5dB(A)	72.8dB(A)

3.2 Summary of Monitoring Exceedances

3.2.1 The number of exceedances event recorded in the reporting quarter is summarized in **Table 3.2**.

Table 3.2 Summary of Exceedance Events in the Reporting Quarter

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

3.2.2 No exceedance of 1-hour TSP air quality monitoring was recorded at SR77 in the reporting quarter. One exceedance of Action Level and no exceedance for limit level for 24-hour TSP monitoring were recorded at SR77 in the reporting quarter.

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

3.2.4 The Contractor has been reminded to strengthen the mitigation measures including:

Air Quality

- Watering within site and vehicle washing facilities shall be enhanced
- Stockpiling shall be covered coverage with impervious sheeting and/or sufficient water spraying for dust suppression.

Water Quality

- Drainage facilities shall be well maintained and inspected regularly
- Preventive measure shall be enhanced to prevent soil/ rock from engineering the WSD area.

Waste / Chemical Management

- Housekeeping shall be enhanced and refuse shall be collected regularly
- Chemical drum should be placed on drip tray.
- General housekeeping shall be enhanced throughout the construction site.

4 WASTE MANAGEMENT

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

4.1.2 During the reporting quarter, a total of 8,540m^3 of excavated material has been generated. 6,563m^3 of inert C&D materials was disposed of at public fill to Tuen Mun Area 38, while 450m^3 of inert C&D materials was reused on site. 425m^3 of general

refuse was disposed of at North East New Territories (NENT) Landfill. No plastics and no paper/cardboard packaging were collected by recycling contractor in the reporting quarter. No metals were collected by recycling contractor in the reporting quarter. 33m^3 chemical waste was collected by licensed contractor in the reporting quarter. Details of the waste management data are presented in **Appendix F**.

5 ENVIRONMENTAL NON-CONFORMANCE

5.1.1 No environmental non-compliance was recorded in the reporting quarter. An environmental complaint regarding air quality near Kau Lung Hang and Hong Lok Yuen was received on 28 December 2017 in the reporting quarter. The ET had conducted investigation for the complaint which concluded that it was unlikely due to the construction works of this Project. No environmental related prosecution or notification of summons was received in the reporting quarter. The summary for the non-compliance, complaints and prosecutions is provided in **Appendix G**.

6 CONCLUSION, COMMENTS AND RECOMMENDATIONS

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

6.1.2 In the reporting quarter, one exceedance event was recorded.

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

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

Figure

Contract No. CV/2012/09
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 3

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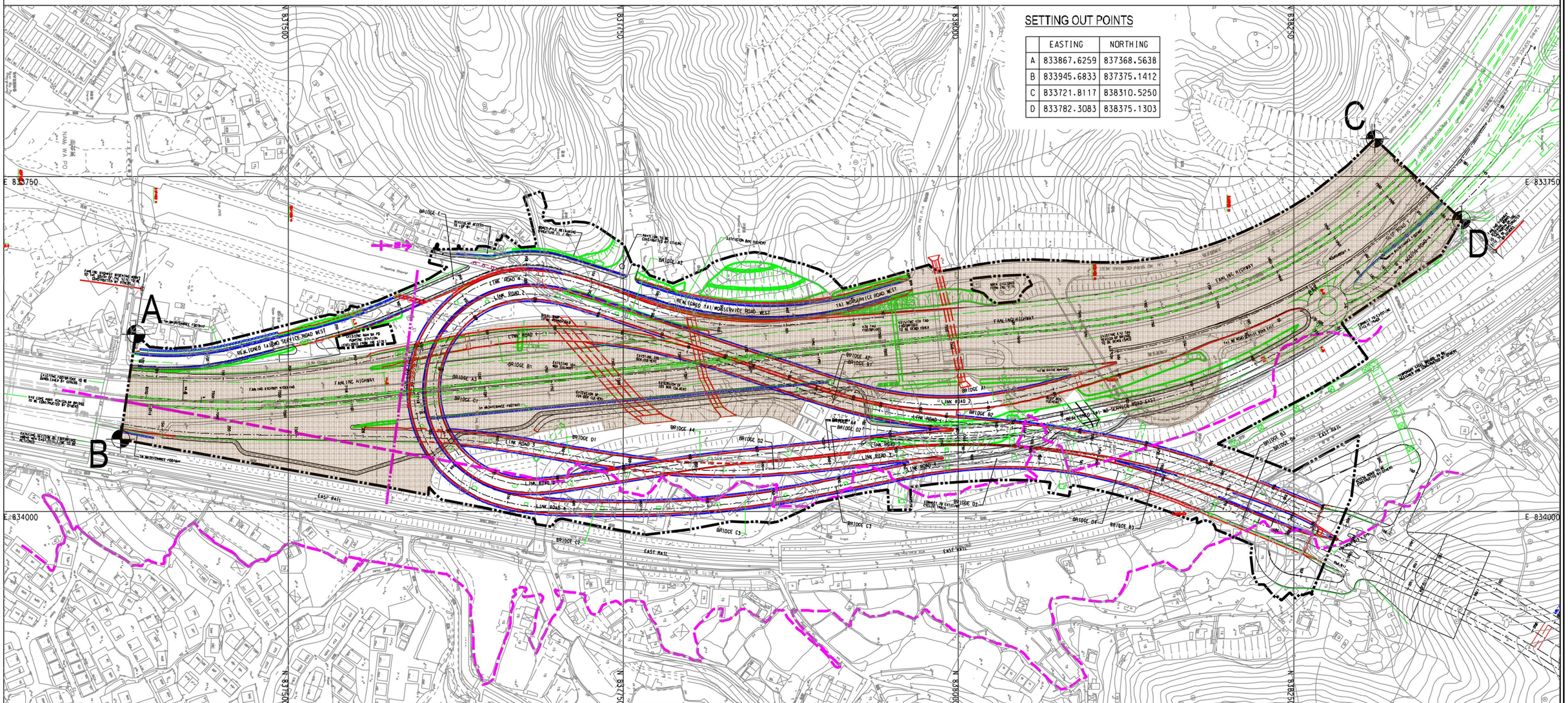
CHUN WO CONSTRUCTION & ENGINEERING CO., LTD.

SETTING OUT POINTS

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



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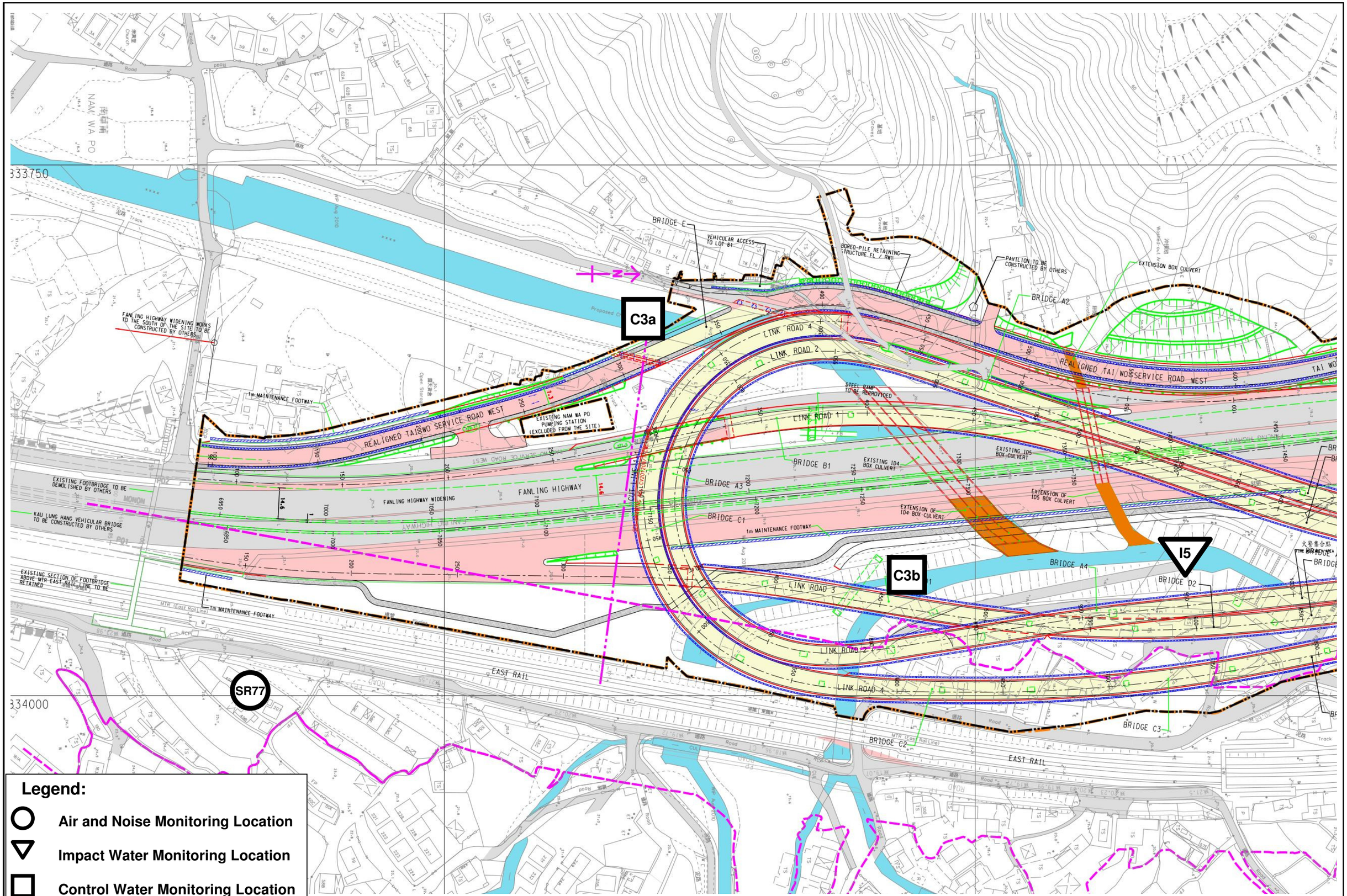
Legend:

Works Area for Entrusted Portion

MEINHARDT	**Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling Stage 2**	**Figure 1: Demarcation of Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling – Stage 2**



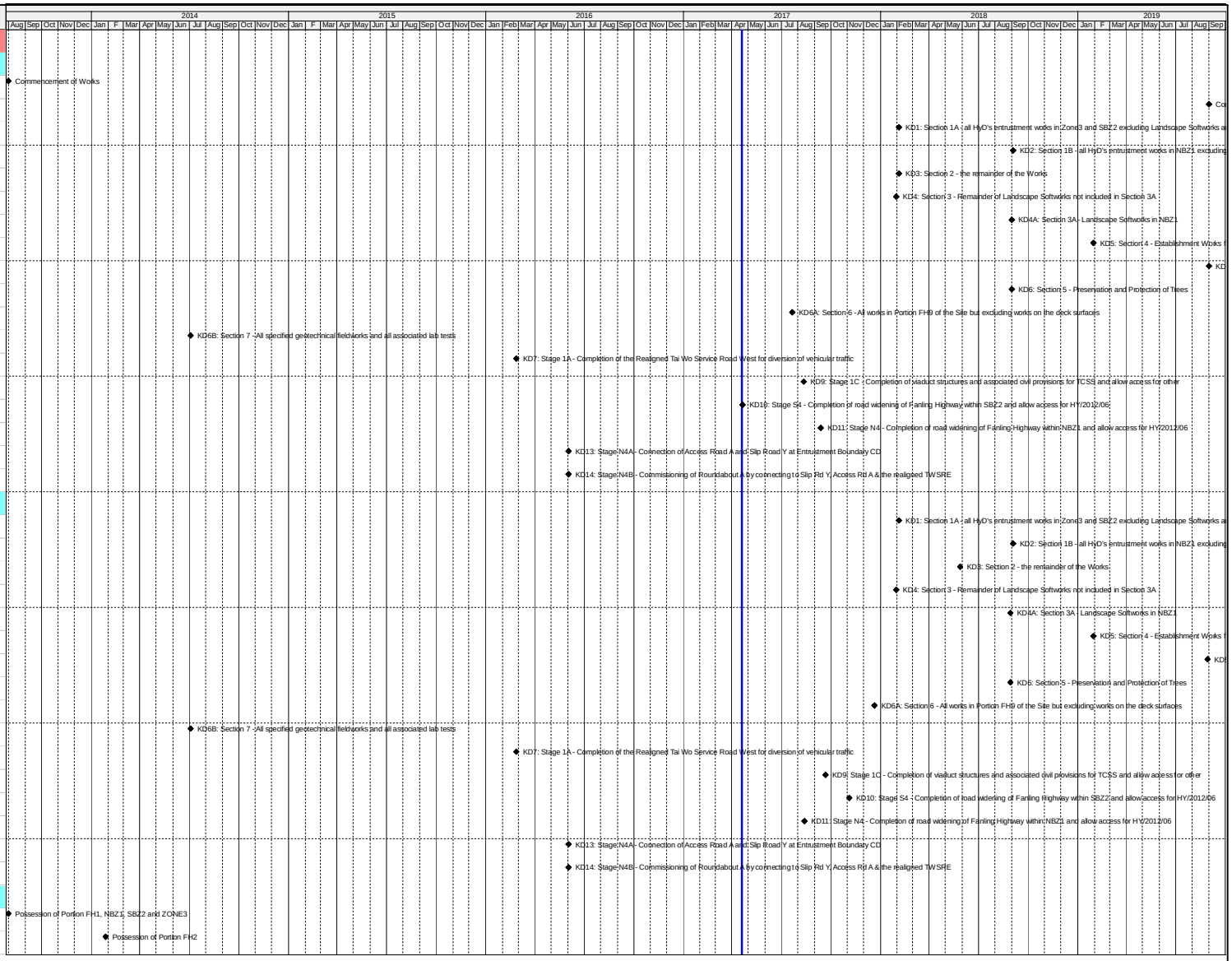
Legend:

- Air and Noise Monitoring Location
- Impact Water Monitoring Location
- Control Water Monitoring Location

MEINHARDT	Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling Stage 2	**Figure 2: Environmental Monitoring Locations**

Appendix A
Construction Programme

Activity ID	Activity Name	OD	RD	Start	Finish
Updated Master Programme (UMP05B) Data Date: 20 Apr 2017		1786	697	31-Jul-13 A	31-Aug-19
Key Dates (Contractual)		2223	864	31-Jul-13 A	31-Aug-19
KD-0010	Commencement of Works	0	0	31-Jul-13 A	
KD-0020	Completion of Contract CV/2012/09	0	0		31-Aug-19*
KD-0100	KD1: Section 1A - all HyD's entrustment works in Zone3 and SBZ2 excluding Landscape Softworks and Establishment Works	0	0		03-Feb-18*
KD-0200	KD2: Section 1B - all HyD's entrustment works in NBZ1 excluding Landscape Softworks and Establishment Works	0	0		03-Sep-18*
KD-0300	KD3: Section 2 - the remainder of the Works	0	0		03-Feb-18*
KD-0400	KD4: Section 3 - Remainder of Landscape Softworks not included in Section 3A	0	0		29-Jan-18*
KD-0500	KD4A: Section 3A - Landscape Softworks in NBZ1	0	0		31-Aug-18*
KD-0600	KD5: Section 4 - Establishment Works for Landscape Softworks under Section 3	0	0		29-Jan-19*
KD-0700	KD5A: Section 4A - Establishment Works for Landscape Softworks under Section 3A	0	0		31-Aug-19*
KD-0800	KD6: Section 5 - Preservation and Protection of Trees	0	0		31-Aug-18*
KD-0900	KD6A: Section 6 - All works in Portion FH9 of the Site but excluding works on the deck surfaces	0	0		21-Jul-17*
KD-1000	KD6B: Section 7 - All specified geotechnical fieldworks and all associated lab tests	0	0		03-Jul-14 A
KD-1100	KD7: Stage 1A - Completion of the Realigned Tai Wo Service Road West for diversion of vehicular traffic	0	0		26-Feb-16 A
KD-1200	KD9: Stage 1C - Completion of viaduct structures and associated civil provisions for TCSS and allow access for other	0	0		11-Aug-17*
KD-1300	KD10: Stage S4 - Completion of road widening of Fanling Highway within SBZ2 and allow access for HY/2012/06	0	0		20-Apr-17*
KD-1400	KD11: Stage N4 - Completion of road widening of Fanling Highway within NBZ1 and allow access for HY/2012/06	0	0		12-Sep-17*
KD-1500	KD13: Stage N4A - Connection of Access Road A and Slip Road Y at Entrustment Boundary CD	0	0		02-Jun-16 A
KD-1600	KD14: Stage N4B - Commissioning of Roundabout A by connecting to Slip Rd Y, Access Rd A & the realigned TWSRE	0	0		02-Jun-16 A
Key Dates (Forecast)		1473	600	03-Jul-14 A	29-Aug-19
KD-0105	KD1: Section 1A - all HyD's entrustment works in Zone3 and SBZ2 excluding Landscape Softworks and Establishment Works	0	0		03-Feb-18
KD-0205	KD2: Section 1B - all HyD's entrustment works in NBZ1 excluding Landscape Softworks and Establishment Works	0	0		03-Sep-18
KD-0305	KD3: Section 2 - the remainder of the Works	0	0		28-May-18
KD-0405	KD4: Section 3 - Remainder of Landscape Softworks not included in Section 3A	0	0		29-Jan-18
KD-0505	KD4A: Section 3A - Landscape Softworks in NBZ1	0	0		29-Aug-18
KD-0605	KD5: Section 4 - Establishment Works for Landscape Softworks under Section 3	0	0		29-Jan-19
KD-0705	KD5A: Section 4A - Establishment Works for Landscape Softworks under Section 3A	0	0		29-Aug-19
KD-0805	KD6: Section 5 - Preservation and Protection of Trees	0	0		29-Aug-18
KD-0905	KD6A: Section 6 - All works in Portion FH9 of the Site but excluding works on the deck surfaces	0	0		20-Dec-17
KD-1005	KD6B: Section 7 - All specified geotechnical fieldworks and all associated lab tests	0	0		03-Jul-14 A
KD-1105	KD7: Stage 1A - Completion of the Realigned Tai Wo Service Road West for diversion of vehicular traffic	0	0		26-Feb-16 A
KD-1205	KD9: Stage 1C - Completion of viaduct structures and associated civil provisions for TCSS and allow access for other	0	0		20-Sep-17
KD-1305	KD10: Stage S4 - Completion of road widening of Fanling Highway within SBZ2 and allow access for HY/2012/06	0	0		04-Nov-17*
KD-1405	KD11: Stage N4 - Completion of road widening of Fanling Highway within NBZ1 and allow access for HY/2012/06	0	0		12-Aug-17*
KD-1505	KD13: Stage N4A - Connection of Access Road A and Slip Road Y at Entrustment Boundary CD	0	0		02-Jun-16 A
KD-1605	KD14: Stage N4B - Commissioning of Roundabout A by connecting to Slip Rd Y, Access Rd A & the realigned TWSRE	0	0		02-Jun-16 A
Possession of Site		386	0	31-Jul-13 A	15-Aug-14 A
PS-P01	Possession of Portion FH1, NBZ1, SBZ2 and ZONE3	0	0	31-Jul-13 A	
PS-P02	Possession of Portion FH2	0	0	27-Jan-14 A	



俊和建築工程有限公司
CHUN WO CONSTRUCTION & ENGINEERING CO., LTD.

- Actual Work
- Remaining Work
- Summary Bar
- Critical Remaining Work
- Milestone
- Actual Level of Effort

CEDD Contract No. CV/2012/09

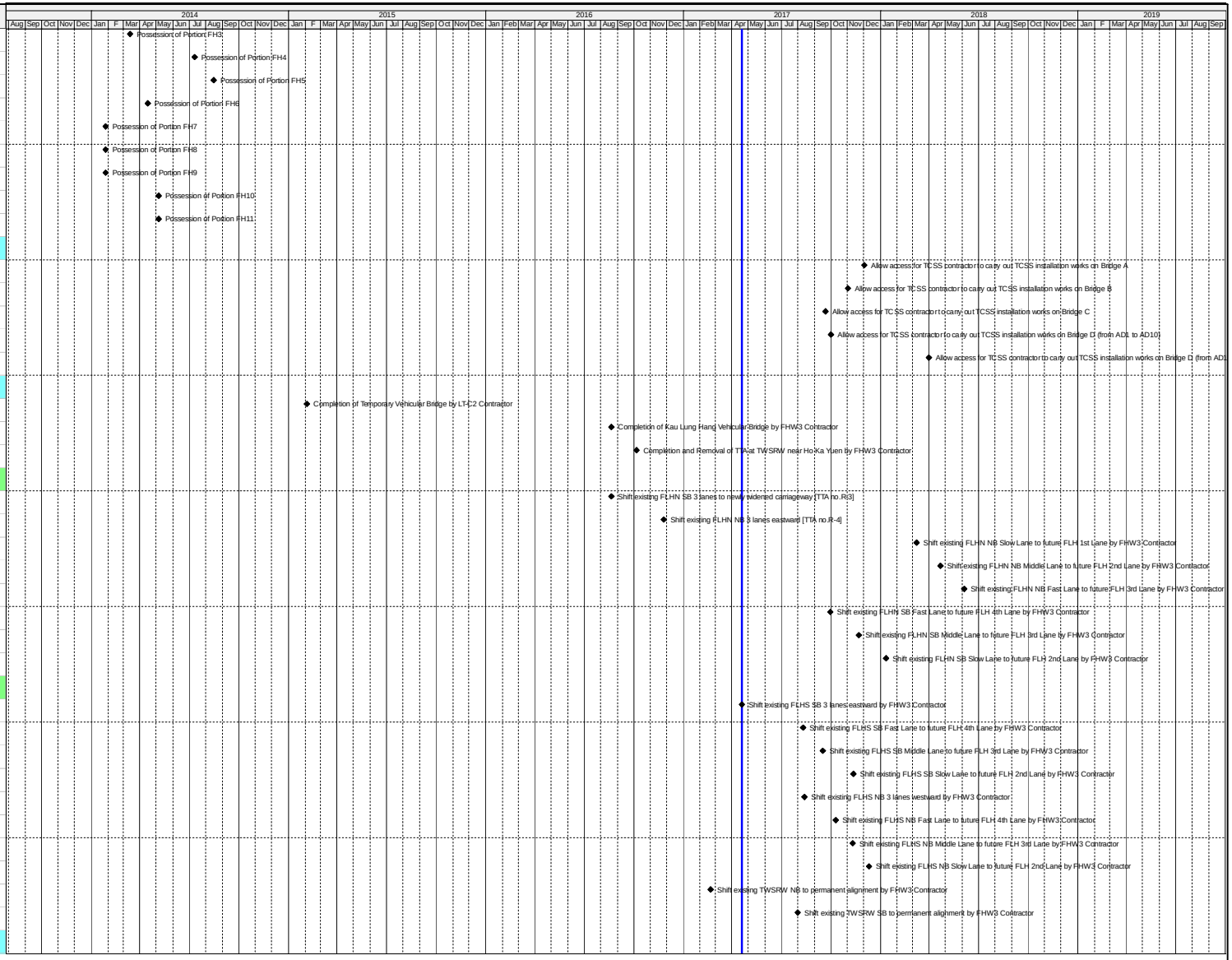
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
PS-P03	Possession of Portion FH3	0	0	13-Mar-14 A	
PS-P04	Possession of Portion FH4	0	0	11-Jul-14 A	
PS-P05	Possession of Portion FH5	0	0	15-Aug-14 A	
PS-P06	Possession of Portion FH6	0	0	15-Apr-14 A	
PS-P07	Possession of Portion FH7	0	0	27-Jan-14 A	
PS-P08	Possession of Portion FH8	0	0	27-Jan-14 A	
PS-P09	Possession of Portion FH9	0	0	27-Jan-14 A	
PS-P10	Possession of Portion FH10	0	0	05-May-14 A	
PS-P11	Possession of Portion FH11	0	0	05-May-14 A	
Tentative Handover Schedule to TCSS contractor		192	192	20-Sep-17	31-Mar-18
HS-A	Allow access for TCSS contractor to carry out TCSS installation works on Bridge A	0	0		01-Dec-17*
HS-B	Allow access for TCSS contractor to carry out TCSS installation works on Bridge B	0	0		01-Nov-17*
HS-C	Allow access for TCSS contractor to carry out TCSS installation works on Bridge C	0	0		20-Sep-17*
HS-D1	Allow access for TCSS contractor to carry out TCSS installation works on Bridge D (from AD1 to AD10)	0	0		01-Oct-17*
HS-D2	Allow access for TCSS contractor to carry out TCSS installation works on Bridge D (from AD10 to AD14)	0	0		31-Mar-18*
Dependent Milestones from Other Contracts		1228	309	03-Feb-15 A	05-Jun-18
MS-DM01	Completion of Temporary Vehicular Bridge by LT-C2 Contractor	0	0		03-Feb-15 A
MS-DM02	Completion of Kau Lung Hang Vehicular Bridge by FHW3 Contractor	0	0		20-Aug-16 A
MS-DM03	Completion and Removal of TTA at TWSRW near Ho Ka Yuen by FHW3 Contractor	0	0		07-Oct-16 A
Related to North Buffer Zone		628	248	21-Aug-16 A	05-Jun-18
MS-NBZ010	Shift existing FLHN SB 3 lanes to newly widened carriageway [TTA no.R-3]	0	0	21-Aug-16 A	
MS-NBZ020	Shift existing FLHN NB 3 lanes eastward [TTA no.R-4]	0	0	26-Nov-16 A	
MS-NBZ110	Shift existing FLHN NB Slow Lane to future FLH 1st Lane by FHW3 Contractor	0	0	08-Mar-18*	
MS-NBZ120	Shift existing FLHN NB Middle Lane to future FLH 2nd Lane by FHW3 Contractor	0	0	22-Apr-18*	
MS-NBZ130	Shift existing FLHN NB Fast Lane to future FLH 3rd Lane by FHW3 Contractor	0	0	05-Jun-18*	
MS-NBZ140	Shift existing FLHN SB Fast Lane to future FLH 4th Lane by FHW3 Contractor	0	0	30-Sep-17*	
MS-NBZ150	Shift existing FLHN SB Middle Lane to future FLH 3rd Lane by FHW3 Contractor	0	0	21-Nov-17*	
MS-NBZ160	Shift existing FLHN SB Slow Lane to future FLH 2nd Lane by FHW3 Contractor	0	0	11-Jan-18*	
Related to South Buffer Zone		284	132	20-Feb-17 A	10-Dec-17
MS-SBZ110	Shift existing FLHS SB 3 lanes eastward by FHW3 Contractor	0	0	20-Apr-17 A	
MS-SBZ120	Shift existing FLHS SB Fast Lane to future FLH 4th Lane by FHW3 Contractor	0	0	11-Aug-17*	
MS-SBZ130	Shift existing FLHS SB Middle Lane to future FLH 3rd Lane by FHW3 Contractor	0	0	16-Sep-17*	
MS-SBZ140	Shift existing FLHS SB Slow Lane to future FLH 2nd Lane by FHW3 Contractor	0	0	12-Nov-17*	
MS-SBZ150	Shift existing FLHS NB 3 lanes westward by FHW3 Contractor	0	0	13-Aug-17*	
MS-SBZ160	Shift existing FLHS NB Fast Lane to future FLH 4th Lane by FHW3 Contractor	0	0	10-Oct-17*	
MS-SBZ170	Shift existing FLHS NB Middle Lane to future FLH 3rd Lane by FHW3 Contractor	0	0	10-Nov-17*	
MS-SBZ180	Shift existing FLHS NB Slow Lane to future FLH 2nd Lane by FHW3 Contractor	0	0	10-Dec-17*	
MS-SBZ210	Shift existing TWSRW NB to permanent alignment by FHW3 Contractor	0	0	20-Feb-17 A	
MS-SBZ220	Shift existing TWSRW SB to permanent alignment by FHW3 Contractor	0	0	31-Jul-17*	
Major Milestones and Events		1073	328	09-Nov-14 A	05-Jun-18



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CHUN WO CONSTRUCTION & ENGINEERING CO., LTD.

Actual Work
Remaining Work
Summary Bar
Critical Remaining Work
Milestone
Actual Level of Effort

CEDD Contract No. CV/2012/09

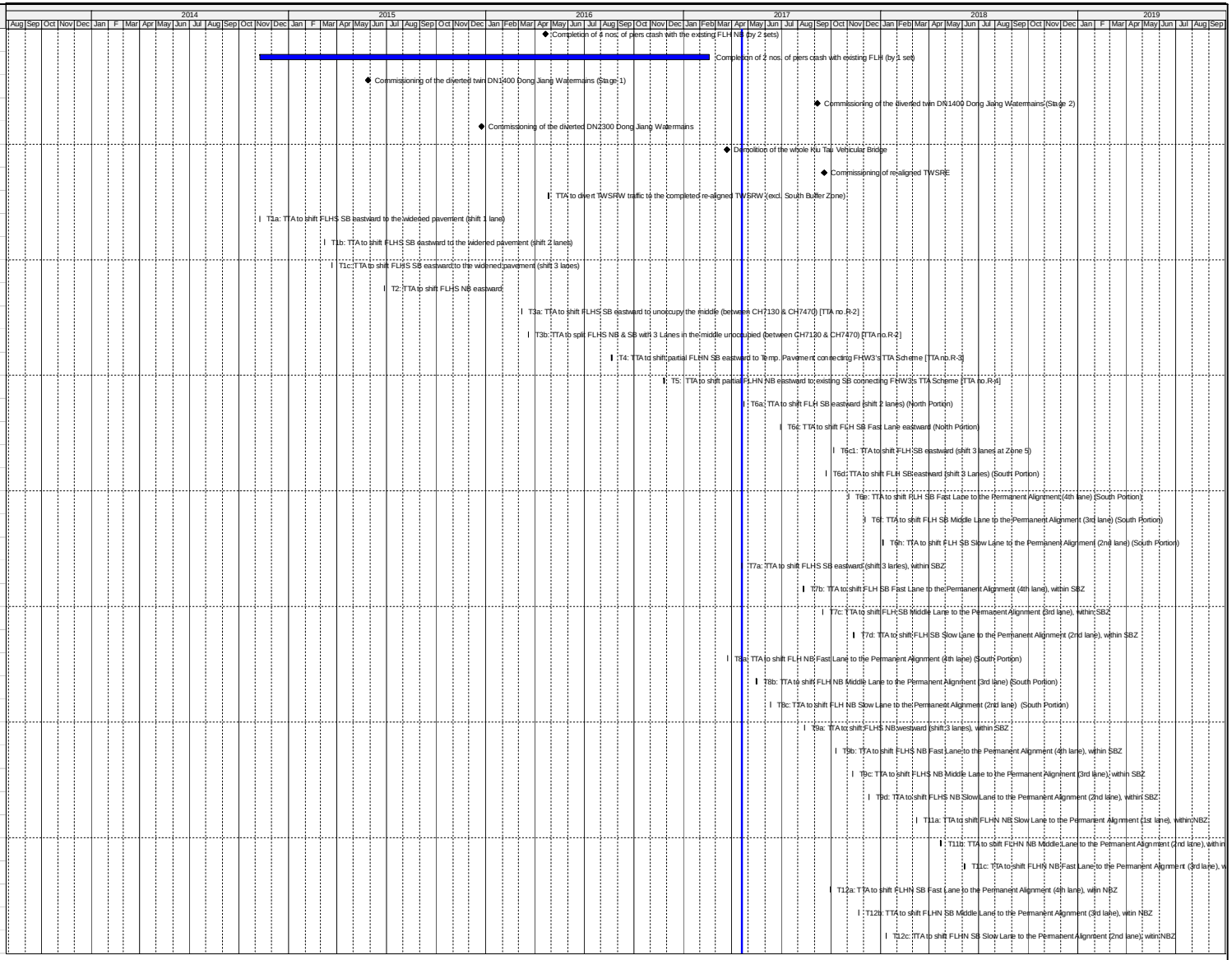
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
MS-0110	Completion of 4 nos. of piers crash with the existing FLH NB (by 2 sets)	0	0		20-Apr-16 A
MS-0120	Completion of 2 nos. of piers crash with existing FLH (by 1 set)	1073	0	09-Nov-14 A	18-Feb-17 A
MS-0210	Commissioning of the diverted twin DN1400 Dong Jiang Watermains (Stage 1)	0	0		27-May-15 A
MS-0220	Commissioning of the diverted twin DN1400 Dong Jiang Watermains (Stage 2)	0	0		05-Sep-17*
MS-0230	Commissioning of the diverted DN2300 Dong Jiang Watermains	0	0		24-Dec-15 A
MS-0310	Demolition of the whole Kiu Tau Vehicular Bridge	0	0		22-Mar-17 A
MS-0320	Commissioning of re-aligned TWSRE	0	0	18-Sep-17	
MS-0410	TTA to divert TWSRW traffic to the completed re-aligned TWSRW (excl. South Buffer Zone)	1	0	26-Apr-16 A	26-Apr-16 A
MS-1010A	T1a: TTA to shift FLHS SB eastward to the widened pavement (shift 1 lane)	1	0	09-Nov-14 A	09-Nov-14 A
MS-1010B	T1b: TTA to shift FLHS SB eastward to the widened pavement (shift 2 lanes)	1	0	08-Mar-15 A	08-Mar-15 A
MS-1010C	T1c: TTA to shift FLHS SB eastward to the widened pavement (shift 3 lanes)	1	0	22-Mar-15 A	22-Mar-15 A
MS-1020	T2: TTA to shift FLHS NB eastward	1	0	27-Jun-15 A	27-Jun-15 A
MS-1030A	T3a: TTA to shift FLHS SB eastward to unoccupy the middle (between CH7130 & CH7470) [TTA no.R-2]	1	0	07-Mar-16 A	07-Mar-16 A
MS-1030B	T3b: TTA to split FLHS NB & SB with 3 Lanes in the middle unoccupied (between CH7130 & CH7470) [TTA no.R-2]	1	0	20-Mar-16 A	20-Mar-16 A
MS-1040	T4: TTA to shift partial FLHN SB eastward to Temp. Pavement connecting FHW3's TTA Scheme [TTA no.R-3]	1	0	21-Aug-16 A	21-Aug-16 A
MS-1050	T5: TTA to shift partial FLHN NB eastward to existing SB connecting FHW3's TTA Scheme [TTA no.R-4]	1	0	26-Nov-16 A	26-Nov-16 A
MS-1060a	T6a: TTA to shift FLH SB eastward (shift 2 lanes) (North Portion)	1	1	23-Apr-17*	23-Apr-17
MS-1060c	T6c: TTA to shift FLH SB Fast Lane eastward (North Portion)	1	1	30-Jun-17	30-Jun-17
MS-1060c1	T6c1: TTA to shift FLH SB eastward (shift 3 lanes at Zone 5)	1	1	06-Oct-17	06-Oct-17
MS-1060d	T6d: TTA to shift FLH SB eastward (shift 3 Lanes) (South Portion)	1	1	22-Sep-17	22-Sep-17
MS-1060e	T6e: TTA to shift FLH SB Fast Lane to the Permanent Alignment (4th lane) (South Portion)	1	1	03-Nov-17	03-Nov-17
MS-1060f	T6f: TTA to shift FLH SB Middle Lane to the Permanent Alignment (3rd lane) (South Portion)	1	1	03-Dec-17	03-Dec-17
MS-1060h	T6h: TTA to shift FLH SB Slow Lane to the Permanent Alignment (2nd lane) (South Portion)	1	1	05-Jan-18	05-Jan-18
MS-1070a	T7a: TTA to shift FLHS SB eastward (shift 3 lanes), within SBZ	1	0	20-Apr-17 A	20-Apr-17 A
MS-1070b	T7b: TTA to shift FLH SB Fast Lane to the Permanent Alignment (4th lane), within SBZ	1	1	11-Aug-17	11-Aug-17
MS-1070c	T7c: TTA to shift FLH SB Middle Lane to the Permanent Alignment (3rd lane), within SBZ	1	1	16-Sep-17	16-Sep-17
MS-1070d	T7d: TTA to shift FLH SB Slow Lane to the Permanent Alignment (2nd lane), within SBZ	1	1	12-Nov-17	12-Nov-17
MS-1080a	T8a: TTA to shift FLH NB Fast Lane to the Permanent Alignment (4th lane) (South Portion)	1	0	24-Mar-17 A	24-Mar-17 A
MS-1080b	T8b: TTA to shift FLH NB Middle Lane to the Permanent Alignment (3rd lane) (South Portion)	1	1	16-May-17	16-May-17
MS-1080c	T8c: TTA to shift FLH NB Slow Lane to the Permanent Alignment (2nd lane) (South Portion)	1	1	11-Jun-17	11-Jun-17
MS-1090a	T9a: TTA to shift FLHS NB westward (shift 3 lanes), within SBZ	1	1	13-Aug-17	13-Aug-17
MS-1090b	T9b: TTA to shift FLHS NB Fast Lane to the Permanent Alignment (4th lane), within SBZ	1	1	10-Oct-17	10-Oct-17
MS-1090c	T9c: TTA to shift FLHS NB Middle Lane to the Permanent Alignment (3rd lane), within SBZ	1	1	10-Nov-17	10-Nov-17
MS-1090d	T9d: TTA to shift FLHS NB Slow Lane to the Permanent Alignment (2nd lane), within SBZ	1	1	10-Dec-17	10-Dec-17
MS-1110a	T11a: TTA to shift FLHN NB Slow Lane to the Permanent Alignment (1st lane), within NBZ	1	1	08-Mar-18	08-Mar-18
MS-1110b	T11b: TTA to shift FLHN NB Middle Lane to the Permanent Alignment (2nd lane), within NBZ	1	1	22-Apr-18	22-Apr-18
MS-1110c	T11c: TTA to shift FLHN NB Fast Lane to the Permanent Alignment (3rd lane), within NBZ	1	1	05-Jun-18	05-Jun-18
MS-1120a	T12a: TTA to shift FLHN SB Fast Lane to the Permanent Alignment (4th lane), witin NBZ	1	1	30-Sep-17	30-Sep-17
MS-1120b	T12b: TTA to shift FLHN SB Middle Lane to the Permanent Alignment (3rd lane), witin NBZ	1	1	21-Nov-17	21-Nov-17
MS-1120c	T12c: TTA to shift FLHN SB Slow Lane to the Permanent Alignment (2nd lane), witin NBZ	1	1	11-Jan-18	11-Jan-18



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CEDD Contract No. CV/2012/09

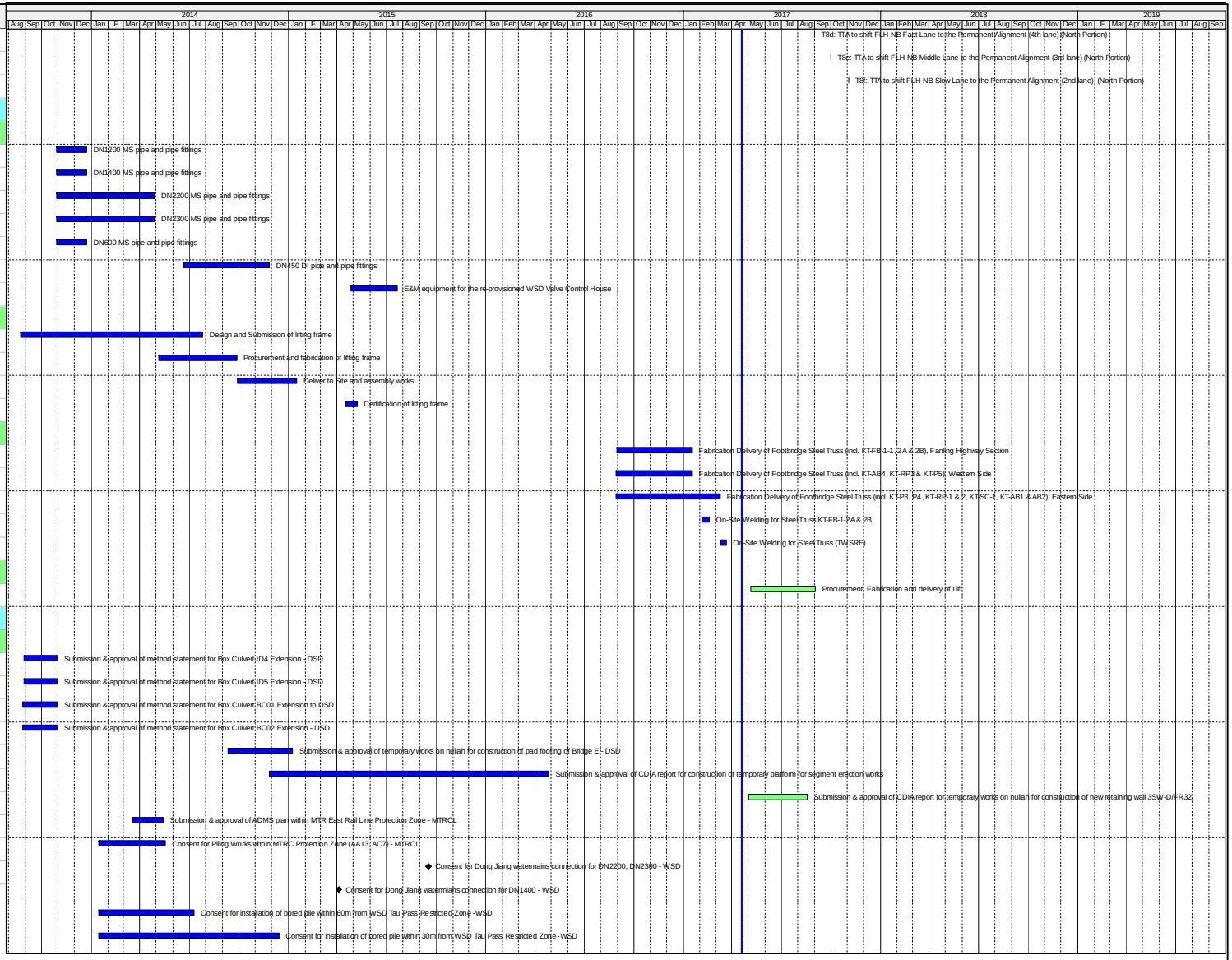
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
MS-1180d	T8d: TTA to shift FLH NB Fast Lane to the Permanent Alignment (4th lane) (North Portion)	1	1	01-Sep-17	01-Sep-17
MS-1180e	T8e: TTA to shift FLH NB Middle Lane to the Permanent Alignment (3rd lane) (North Portion)	1	1	01-Oct-17	01-Oct-17
MS-1180f	T8f: TTA to shift FLH NB Slow Lane to the Permanent Alignment (2nd lane) (North Portion)	1	1	03-Nov-17	03-Nov-17
Major Procurement & Delivery		1108	101	23-Aug-13 A	02-Sep-17
Water Supply Pipeworks		493	0	29-Oct-13 A	21-Jul-15 A
MM-1000	DN1200 MS pipe and pipe fittings	80	0	29-Oct-13 A	23-Dec-13 A
MM-1010	DN1400 MS pipe and pipe fittings	80	0	29-Oct-13 A	23-Dec-13 A
MM-1020	DN2200 MS pipe and pipe fittings	90	0	29-Oct-13 A	28-Apr-14 A
MM-1030	DN2300 MS pipe and pipe fittings	90	0	29-Oct-13 A	28-Apr-14 A
MM-1040	DN600 MS pipe and pipe fittings	80	0	29-Oct-13 A	23-Dec-13 A
MM-1050	DN450 DI pipe and pipe fittings	60	0	21-Jun-14 A	26-Nov-14 A
MM-1060	E&M equipment for the re-provisioned WSD Valve Control House	60	0	27-Apr-15 A	21-Jul-15 A
Precast Bridge Segment Lifting Frames and Precast Yard		520	0	23-Aug-13 A	08-May-15 A
MM-2000	Design and Submission of lifting frame	160	0	23-Aug-13 A	26-Jul-14 A
MM-2020	Procurement and fabrication of lifting frame	105	0	05-May-14 A	27-Sep-14 A
MM-2040	Deliver to Site and assembly works	44	0	28-Sep-14 A	16-Jan-15 A
MM-2050	Certification of lifting frame	12	0	17-Apr-15 A	08-May-15 A
Footbridge Steel Truss		183	0	30-Aug-16 A	22-Mar-17 A
MM-3000	Fabrication Delivery of Footbridge Steel Truss (incl. KT-FB-1-1, 2A & 2B), Fanling Highway Section	73	0	30-Aug-16 A	17-Jan-17 A
MM-3010	Fabrication Delivery of Footbridge Steel Truss (incl. KT-AB4, KT-RP3 & KT-P5), Western Side	88	0	30-Aug-16 A	17-Jan-17 A
MM-3020	Fabrication Delivery of Footbridge Steel Truss (incl. KT-P3, P4, KT-RP-1 & 2, KT-SC-1, KT-AB1 & AB2), Eastern Side	92	0	30-Aug-16 A	10-Mar-17 A
MM-3030	On-Site Welding for Steel Truss KT-FB-1-2A & 2B	14	0	04-Feb-17 A	18-Feb-17 A
MM-3040	On-Site Welding for Steel Truss (TWSRE)	20	0	11-Mar-17 A	22-Mar-17 A
Lift for New Kiu Tau Footbridge		120	120	06-May-17	02-Sep-17
MM-4000	Procurement, Fabrication and delivery of Lift	120	120	06-May-17	02-Sep-17
Design and Submissions		1188	99	06-Aug-13 A	17-Aug-17
Statutory Approval		1176	99	27-Aug-13 A	17-Aug-17
PRE-1000	Submission & approval of method statement for Box Culvert ID4 Extension - DSD	50	0	29-Aug-13 A	30-Oct-13 A
PRE-1010	Submission & approval of method statement for Box Culvert ID5 Extension - DSD	50	0	29-Aug-13 A	30-Oct-13 A
PRE-1020	Submission & approval of method statement for Box Culvert BC01 Extension to DSD	50	0	27-Aug-13 A	30-Oct-13 A
PRE-1030	Submission & approval of method statement for Box Culvert BC02 Extension - DSD	50	0	27-Aug-13 A	30-Oct-13 A
PRE-1040	Submission & approval of temporary works on nullah for construction of pad footing of Bridge E - DSD	40	0	11-Sep-14 A	08-Jan-15 A
PRE-1050	Submission & approval of CDIA report for construction of temporary platform for segment erection works	185	0	27-Nov-14 A	26-Apr-16 A
PRE-1060	Submission & approval of CDIA report for temporary works on nullah for construction of new retaining wall 3SW-D/FR32	90	90	02-May-17*	17-Aug-17
PRE-1100	Submission & approval of ADMS plan within MTR East Rail Line Protection Zone - MTRCL	30	0	17-Mar-14 A	14-May-14 A
PRE-1110	Consent for Piling Works within MTRC Protection Zone (AA13, AC7) - MTRCL	45	0	15-Jan-14 A	17-May-14 A
PRE-1200	Consent for Dong Jiang watermains connection for DN2200, DN2300 - WSD	0	0		17-Sep-15 A
PRE-1210	Consent for Dong Jiang watermains connection for DN1400 - WSD	0	0		03-Apr-15 A
PRE-1230A	Consent for installation of bored pile within 60m from WSD Tau Pass Restricted Zone -WSD	90	0	15-Jan-14 A	09-Jul-14 A
PRE-1230B	Consent for installation of bored pile within 30m from WSD Tau Pass Restricted Zone -WSD	90	0	15-Jan-14 A	14-Dec-14 A



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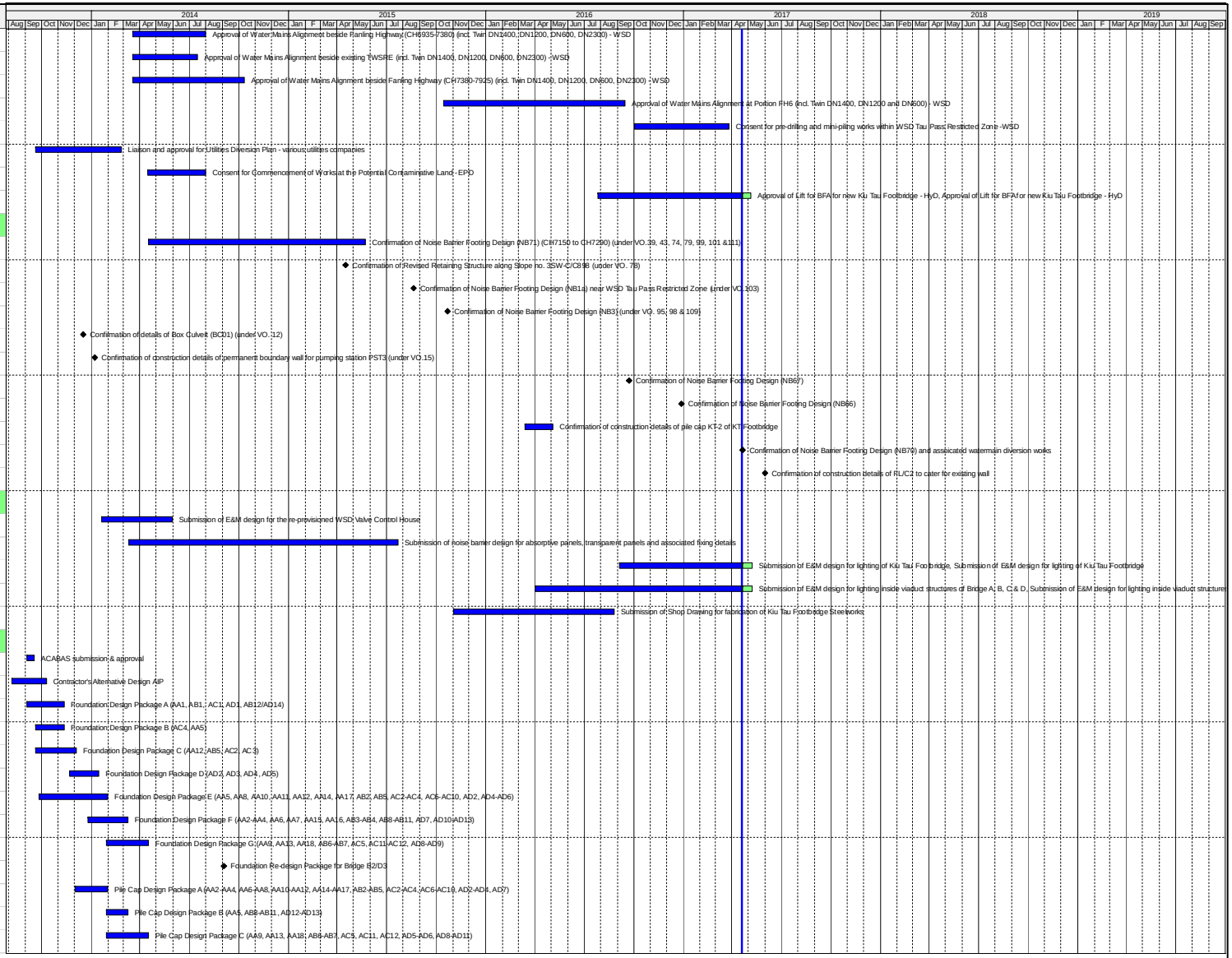
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
PRE-1240	Approval of Water Mains Alignment beside Fanling Highway (CH6935-7380) (incl. Twin DN1400, DN1200, DN600, DN2300) - WSD	45	0	19-Mar-14 A	31-Jul-14 A
PRE-1250	Approval of Water Mains Alignment beside existing TWSRE (incl. Twin DN1400, DN1200, DN600, DN2300) - WSD	45	0	19-Mar-14 A	16-Jul-14 A
PRE-1260	Approval of Water Mains Alignment beside Fanling Highway (CH7380-7925) (incl. Twin DN1400, DN1200, DN600, DN2300) - WSD	45	0	19-Mar-14 A	11-Oct-14 A
PRE-1270	Approval of Water Mains Alignment at Portion FH6 (incl. Twin DN1400, DN1200 and DN600) - WSD	90	0	15-Oct-15 A	14-Sep-16 A
PRE-1280	Consent for pre-drilling and mini-piling works within WSD Tau Pass Restricted Zone -WSD	60	0	03-Oct-16 A	27-Mar-17 A
PRE-1300	Liaison and approval for Utilities Diversion Plan - various utilities companies	150	0	19-Sep-13 A	25-Feb-14 A
PRE-1400	Consent for Commencement of Works at the Potential Contaminative Land - EPD	60	0	15-Apr-14 A	31-Jul-14 A
PRE-1410	Approval of Lift for BFA for new Kiu Tau Footbridge - HyD	60	12	27-Jul-16 A	05-May-17
Design Confirmation		903	33	16-Dec-13 A	31-May-17
PRE-1500	Confirmation of Noise Barrier Footing Design (NB71) (CH7150 to CH7290) (under VO.39, 43, 74, 79, 99, 101 &111)	70	0	17-Apr-14 A	22-May-15 A
PRE-1510	Confirmation of Revised Retaining Structure along Slope no. 3SW-C/C898 (under VO. 78)	0	0		16-Apr-15 A
PRE-1520	Confirmation of Noise Barrier Footing Design (NB1a) near WSD Tau Pass Restricted Zone (under VO.103)	0	0		20-Aug-15 A
PRE-1530	Confirmation of Noise Barrier Footing Design (NB3) (under VO. 95, 98 & 109)	0	0		22-Oct-15 A
PRE-1540	Confirmation of details of Box Culvert (BC01) (under VO. 12)	0	0		16-Dec-13 A
PRE-1550	Confirmation of construction details of permanent boundary wall for pumping station PST3 (under VO.15)	0	0		07-Jan-14 A
PRE-1560	Confirmation of Noise Barrier Footing Design (NB67)	0	0		23-Sep-16 A
PRE-1570	Confirmation of Noise Barrier Footing Design (NB66)	0	0		29-Dec-16 A
PRE-1580	Confirmation of construction details of pile cap KT-2 of KT Footbridge	34	0	14-Mar-16 A	04-May-16 A
PRE-1590	Confirmation of Noise Barrier Footing Design (NB70) and associated watermain diversion works	0	0		20-Apr-17*
PRE-1600	Confirmation of construction details of FL/C2 to cater for existing wall	0	0		31-May-17*
Method Statement and Design (Major) Approved by AECOM		822	14	20-Jan-14 A	08-May-17
PRE-2000	Submission of E&M design for the re-provisioned WSD Valve Control House	60	0	20-Jan-14 A	30-May-14 A
PRE-2020	Submission of noise barrier design for absorptive panels, transparent panels and associated fixing details	60	0	11-Mar-14 A	22-Jul-15 A
PRE-2030	Submission of E&M design for lighting of Kiu Tau Footbridge	60	14	05-Sep-16 A	08-May-17
PRE-2040	Submission of E&M design for lighting inside viaduct structures of Bridge A, B, C & D	60	14	01-Apr-16 A	08-May-17
PRE-2050	Submission of Shop Drawing for fabrication of Kiu Tau Footbridge Steelworks	60	0	02-Nov-15 A	25-Aug-16 A
Contractor's Alternative Design (AD) Submission & Approval		687	0	06-Aug-13 A	04-Mar-15 A
PRE-4000	ACABAS submission & approval	50	0	03-Sep-13 A	17-Sep-13 A
PRE-4010	Contractor's Alternative Design AIP	56	0	06-Aug-13 A	09-Oct-13 A
PRE-4110	Foundation Design Package A (AA1, AB1, AC1, AD1, AB12/AD14)	36	0	03-Sep-13 A	11-Nov-13 A
PRE-4120	Foundation Design Package B (AC4, AA5)	36	0	19-Sep-13 A	11-Nov-13 A
PRE-4130	Foundation Design Package C (AA12, AB5, AC2, AC3)	36	0	19-Sep-13 A	04-Dec-13 A
PRE-4140	Foundation Design Package D (AD2, AD3, AD4, AD5)	36	0	21-Nov-13 A	14-Jan-14 A
PRE-4150	Foundation Design Package E (AA5, AA8, AA10, AA11, AA12, AA14, AA17, AB2, AB5, AC2-AC4, AC6-AC10, AD2, AD4-AD6)	48	0	26-Sep-13 A	30-Jan-14 A
PRE-4160	Foundation Design Package F (AA2-AA4, AA6, AA7, AA15, AA16, AB3-AB4, AB8-AB11, AD7, AD10-AD13)	48	0	25-Dec-13 A	10-Mar-14 A
PRE-4170	Foundation Design Package G (AA9, AA13, AA18, AB6-AB7, AC5, AC11-AC12, AD8-AD9)	48	0	28-Jan-14 A	16-Apr-14 A
PRE-4170A	Foundation Re-design Package for Bridge B2/D3	0	0		03-Sep-14 A
PRE-4180	Pile Cap Design Package A (AA2-AA4, AA6-AA8, AA10-AA12, AA14-AA17, AB2-AB5, AC2-AC4, AC6-AC10, AD2-AD4, AD7)	48	0	02-Dec-13 A	30-Jan-14 A
PRE-4190A	Pile Cap Design Package B (AA5, AB8-AB11, AD12-AD13)	48	0	28-Jan-14 A	10-Mar-14 A
PRE-4190B	Pile Cap Design Package C (AA9, AA13, AA18, AB6-AB7, AC5, AC11, AC12, AD5-AD6, AD8-AD11)	48	0	28-Jan-14 A	16-Apr-14 A



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CEDD Contract No. CV/2012/09

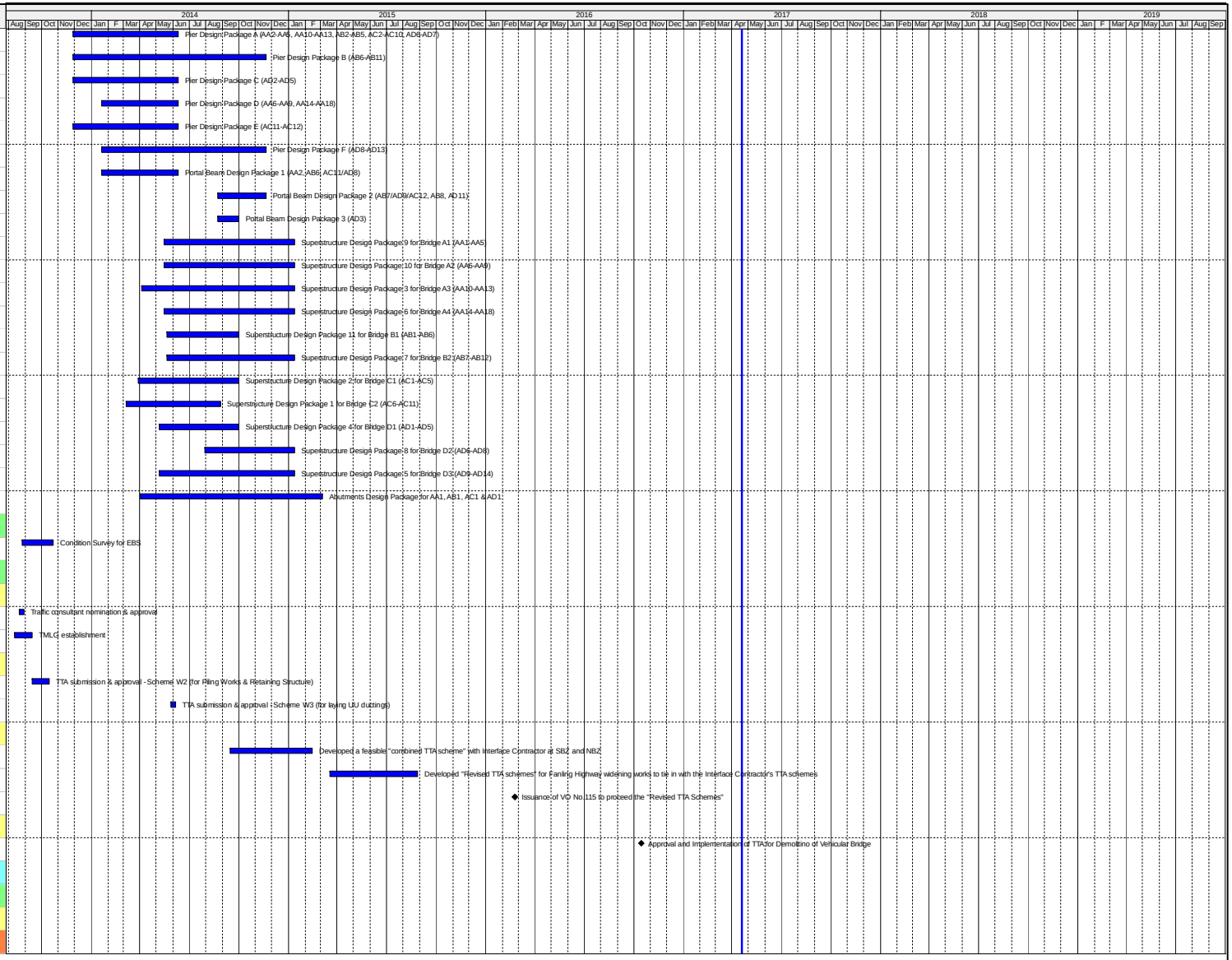
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
PRE-4210	Pier Design Package A (AA2-AA5, AA10-AA13, AB2-AB5, AC2-AC10, AD6-AD7)	46	0	28-Nov-13 A	10-Jun-14 A
PRE-4220	Pier Design Package B (AB6-AB11)	43	0	28-Nov-13 A	20-Nov-14 A
PRE-4230	Pier Design Package C (AD2-AD5)	31	0	28-Nov-13 A	11-Jun-14 A
PRE-4240	Pier Design Package D (AA6-AA9, AA14-AA18)	46	0	20-Jan-14 A	10-Jun-14 A
PRE-4250	Pier Design Package E (AC11-AC12)	50	0	28-Nov-13 A	11-Jun-14 A
PRE-4260	Pier Design Package F (AD8-AD13)	50	0	20-Jan-14 A	20-Nov-14 A
PRE-4270	Portal Beam Design Package 1 (AA2, AB6, AC11/AD8)	54	0	20-Jan-14 A	11-Jun-14 A
PRE-4280	Portal Beam Design Package 2 (AB7/AD9/AC12, AB8, AD11)	38	0	23-Aug-14 A	20-Nov-14 A
PRE-4290	Portal Beam Design Package 3 (AD3)	31	0	23-Aug-14 A	30-Sep-14 A
PRE-4310A	Superstructure Design Package 9 for Bridge A1 (AA1-AA5)	118	0	16-May-14 A	12-Jan-15 A
PRE-4310B	Superstructure Design Package 10 for Bridge A2 (AA6-AA9)	154	0	16-May-14 A	12-Jan-15 A
PRE-4310C	Superstructure Design Package 3 for Bridge A3 (AA10-AA13)	158	0	04-Apr-14 A	12-Jan-15 A
PRE-4310D	Superstructure Design Package 6 for Bridge A4 (AA14-AA18)	108	0	16-May-14 A	12-Jan-15 A
PRE-4320A	Superstructure Design Package 11 for Bridge B1 (AB1-AB6)	73	0	21-May-14 A	30-Sep-14 A
PRE-4320B	Superstructure Design Package 7 for Bridge B2 (AB7-AB12)	196	0	21-May-14 A	12-Jan-15 A
PRE-4330A	Superstructure Design Package 2 for Bridge C1 (AC1-AC5)	196	0	28-Mar-14 A	30-Sep-14 A
PRE-4330B	Superstructure Design Package 1 for Bridge C2 (AC6-AC11)	134	0	06-Mar-14 A	27-Aug-14 A
PRE-4340A	Superstructure Design Package 4 for Bridge D1 (AD1-AD5)	110	0	07-May-14 A	30-Sep-14 A
PRE-4340B	Superstructure Design Package 8 for Bridge D2 (AD6-AD8)	56	0	30-Jul-14 A	12-Jan-15 A
PRE-4340C	Superstructure Design Package 5 for Bridge D3 (AD9-AD14)	196	0	07-May-14 A	12-Jan-15 A
PRE-4400	Abutments Design Package for AA1, AB1, AC1 & AD1	220	0	01-Apr-14 A	04-Mar-15 A
Condition Survey		18	0	26-Aug-13 A	22-Oct-13 A
PRE-5000	Condition Survey for EBS	18	0	26-Aug-13 A	22-Oct-13 A
Temporary Traffic Arrangement (TTA) Submission and Approval		947	0	12-Aug-13 A	15-Oct-16 A
Forming of TMLG		50	0	12-Aug-13 A	13-Sep-13 A
PRE-6000	Traffic consultant nomination & approval	25	0	20-Aug-13 A	29-Aug-13 A
PRE-6020	TMLG establishment	50	0	12-Aug-13 A	13-Sep-13 A
TTA for Tai Wo Service Road West		302	0	13-Sep-13 A	06-Jun-14 A
PRE-6110	TTA submission & approval - Scheme W2 (for Piling Works & Retaining Structure)	40	0	13-Sep-13 A	15-Oct-13 A
PRE-6140	TTA submission & approval - Scheme W3 (for laying UU ductings)	40	0	28-May-14 A	06-Jun-14 A
Revised TTA Scheme for Fanling Highway Widening Works		5	0	15-Sep-14 A	23-Feb-16 A
PRE-6300	Developed a feasible "combined TTA scheme" with Interface Contractor at SBZ and NBZ	0	0	15-Sep-14 A	13-Feb-15 A
PRE-6310	Developed "Revised TTA schemes" for Fanling Highway widening works to tie in with the Interface Contractor's TTA schemes	5	0	19-Mar-15 A	28-Aug-15 A
PRE-6320	Issuance of VO No.115 to proceed the "Revised TTA Schemes"	0	0		23-Feb-16 A
TTA for Demolition of Kiu Tau Vehicular Bridge		0	0	15-Oct-16 A	15-Oct-16 A
PRE-6400	Approval and Implementation of TTA for Demolitino of Vehicular Bridge	0	0		15-Oct-16 A
Section IA & IB - Fanling Highway Widening (KD-1 & KD-2)		1421	406	12-Aug-13 A	03-Sep-18
Fanling Highway South Portion between CH6935 and CH7470		1254	239	12-Aug-13 A	03-Feb-18
Fanling Highway Zone 1 between CH6935 and CH7130 (within SBZ2)		1254	239	12-Aug-13 A	03-Feb-18
At-Grade Roadworks (195m)		1254	239	12-Aug-13 A	03-Feb-18



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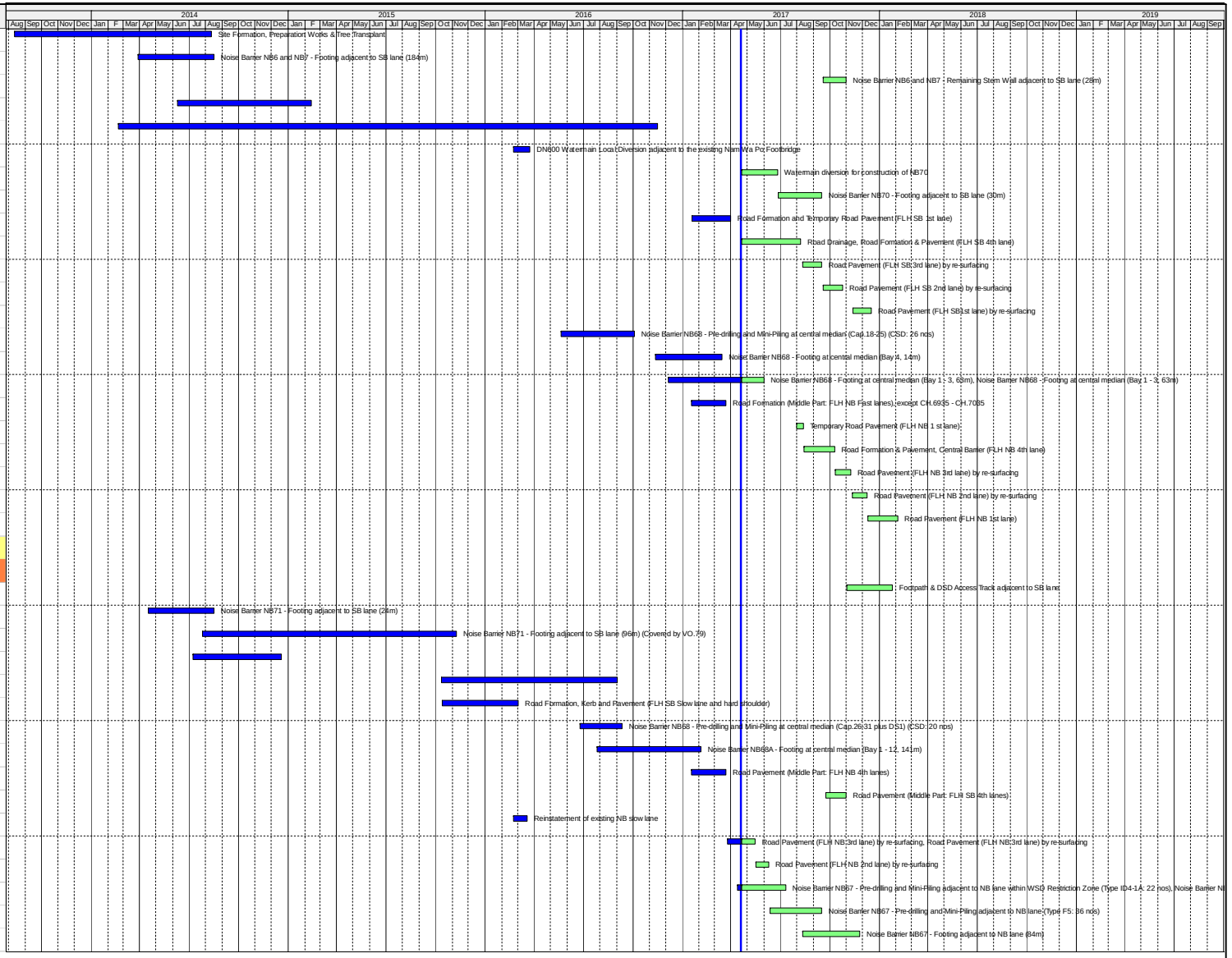
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
FHW-1100	Site Formation, Preparation Works & Tree Transplant	65	0	12-Aug-13 A	11-Aug-14 A
FHW-1110A	Noise Barrier NB6 and NB7 - Footing adjacent to SB lane (184m)	280	0	29-Mar-14 A	16-Aug-14 A
FHW-1110B	Noise Barrier NB6 and NB7 - Remaining Stem Wall adjacent to SB lane (28m)	35	35	18-Sep-17	31-Oct-17
FHW-1120A*	Pipe Laying - DN1200 Watermains (CHC) across Fanling Highway (total 80m for 2 shafts)	275	0	09-Jun-14 A	12-Feb-15 A
FHW-1120B*	Pipe Laying - DN1200 Watermains (CHC) along Fanling Highway (80m long, 4m depth)	182	0	20-Feb-14 A	16-Nov-16 A
FHW-1130	DN600 Watermain Local Diversion adjacent to the existing Nam Wa Po Footbridge	40	0	22-Feb-16 A	23-Mar-16 A
FHW-1140a	Watermain diversion for construction of NB70	55	55	20-Apr-17	26-Jun-17
FHW-1140b	Noise Barrier NB70 - Footing adjacent to SB lane (30m)	70	70	27-Jun-17	16-Sep-17
FHW-1150	Road Formation and Temporary Road Pavement (FLH SB 1st lane)	48	0	19-Jan-17 A	01-Apr-17 A
FHW-1160	Road Drainage, Road Formation & Pavement (FLH SB 4th lane)	90	90	20-Apr-17	07-Aug-17
FHW-1170	Road Pavement (FLH SB 3rd lane) by re-surfacing	30	30	12-Aug-17	15-Sep-17
FHW-1180	Road Pavement (FLH SB 2nd lane) by re-surfacing	30	30	18-Sep-17	24-Oct-17
FHW-1190	Road Pavement (FLH SB1st lane) by re-surfacing	30	30	13-Nov-17	16-Dec-17
FHW-1210	Noise Barrier NB68 - Pre-drilling and Mini-Piling at central median (Cap.18-25) (CSD: 26 nos)	80	0	21-May-16 A	04-Oct-16 A
FHW-1220a	Noise Barrier NB68 - Footing at central median (Bay 4, 14m)	63	0	11-Nov-16 A	15-Mar-17 A
FHW-1220b	Noise Barrier NB68 - Footing at central median (Bay 1 - 3, 63m)	68	33	05-Dec-16 A	31-May-17
FHW-1230	Road Formation (Middle Part: FLH NB Fast lanes), except CH.6935 - CH.7035	50	0	17-Jan-17 A	23-Mar-17 A
FHW-1310	Temporary Road Pavement (FLH NB 1 st lane)	12	12	31-Jul-17	12-Aug-17
FHW-1320	Road Formation & Pavement, Central Barrier (FLH NB 4th lane)	47	47	14-Aug-17	09-Oct-17
FHW-1330	Road Pavement (FLH NB 3rd lane) by re-surfacing	25	25	11-Oct-17	09-Nov-17
FHW-1340	Road Pavement (FLH NB 2nd lane) by re-surfacing	25	25	11-Nov-17	09-Dec-17
FHW-1350	Road Pavement (FLH NB 1st lane)	45	45	11-Dec-17	03-Feb-18
Fanling Highway Zone 2 between CH7130 and CH7290		1115	237	17-Apr-14 A	01-Feb-18
At-Grade Roadworks (160m)		1115	237	17-Apr-14 A	01-Feb-18
FHW-200	Footpath & DSD Access Track adjacent to SB lane	70	70	01-Nov-17	24-Jan-18
FHW-2110A	Noise Barrier NB71 - Footing adjacent to SB lane (24m)	70	0	17-Apr-14 A	16-Aug-14 A
FHW-2110B	Noise Barrier NB71 - Footing adjacent to SB lane (96m) (Covered by VO.79)	341	0	26-Jul-14 A	09-Nov-15 A
FHW-2120*	Pipe Laying - Twin DN1400 Watermains (CHE & G) along Fanling Highway (44m long, 6m depth)	85	0	09-Jul-14 A	19-Dec-14 A
FHW-2130*	Pipe Laying - DN1200 & DN600 Watermains (CHB & CHC) abng Fanling Highway (183m long, 4m depth)	144	0	12-Oct-15 A	02-Sep-16 A
FHW-2140	Road Formation, Kerb and Pavement (FLH SB Slow lane and hard shoulder)	61	0	14-Oct-15 A	02-Mar-16 A
FHW-2210	Noise Barrier NB68 - Pre-drilling and Mini-Piling at central median (Cap.26-31 plus DS1) (CSD: 20 nos)	80	0	25-Jun-16 A	10-Sep-16 A
FHW-2220	Noise Barrier NB68A - Footing at central median (Bay 1 - 12, 141m)	70	0	27-Jul-16 A	04-Feb-17 A
FHW-2230	Road Pavement (Middle Part: FLH NB 4th lanes)	50	0	17-Jan-17 A	23-Mar-17 A
FHW-2240	Road Pavement (Middle Part: FLH SB 4th lanes)	30	30	23-Sep-17	31-Oct-17
FHW-2300	Reinstatement of existing NB slow lane	23	0	22-Feb-16 A	19-Mar-16 A
FHW-2310	Road Pavement (FLH NB 3rd lane) by re-surfacing	32	20	25-Mar-17 A	15-May-17
FHW-2320	Road Pavement (FLH NB 2nd lane) by re-surfacing	21	21	17-May-17	10-Jun-17
FHW-2330A	Noise Barrier NB67 - Pre-drilling and Mini-Piling adjacent to NB lane within WSD Restriction Zone (Type ID4-1A: 22 nos)	70	67	13-Apr-17 A	11-Jul-17
FHW-2330B	Noise Barrier NB67 - Pre-drilling and Mini-Piling adjacent to NB lane (Type F5: 36 nos)	82	82	12-Jun-17	15-Sep-17
FHW-2340	Noise Barrier NB67 - Footing adjacent to NB lane (84m)	88	88	12-Aug-17	25-Nov-17



俊和建築工程有限公司
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CEDD Contract No. CV/2012/09

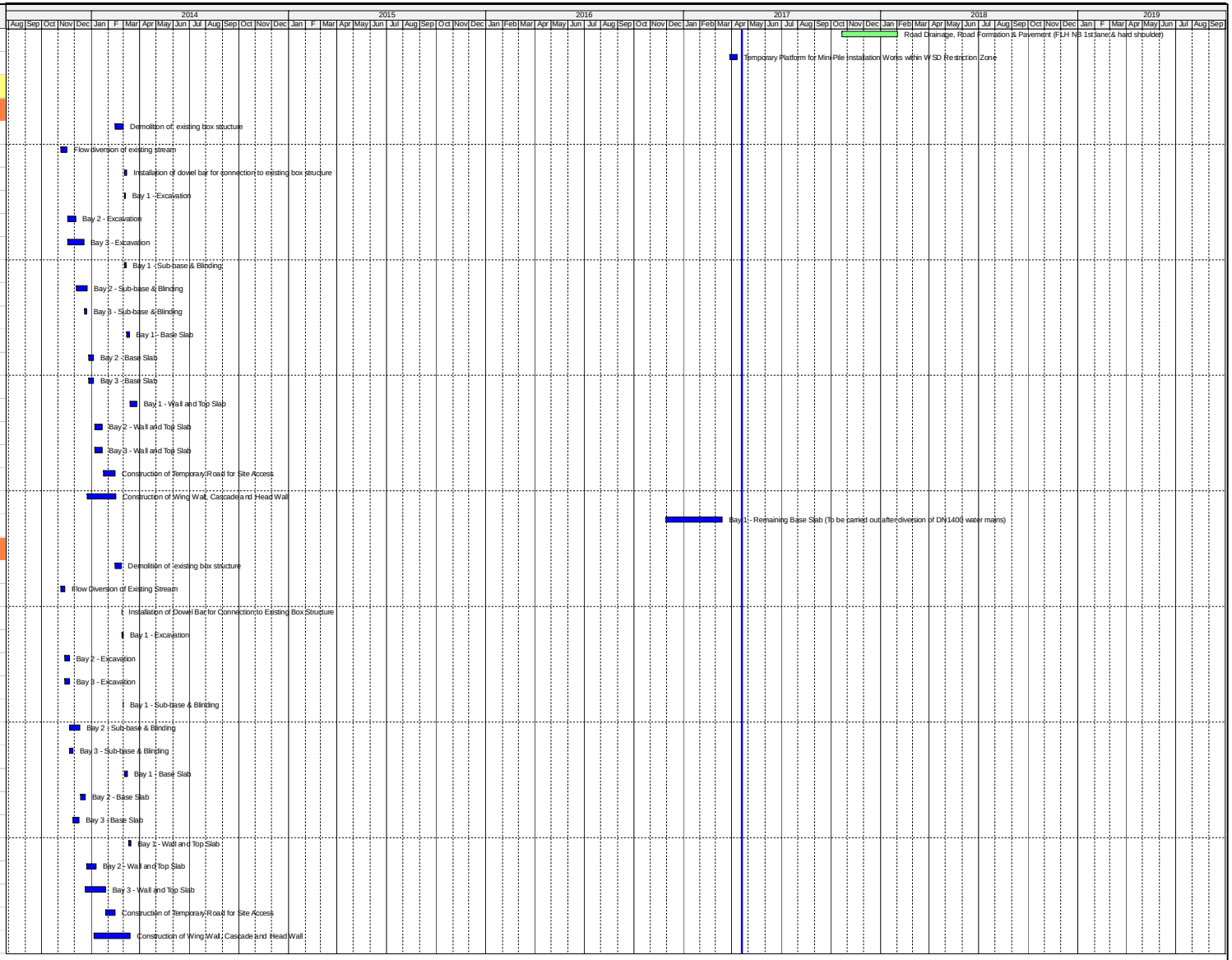
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
FHW-2350	Road Drainage, Road Formation & Pavement (FLH NB 1st lane & hard shoulder)	85	85	21-Oct-17	01-Feb-18
FHW-2360	Temporary Platform for Mini-Pile Installation Works within WSD Restriction Zone	12	0	28-Mar-17 A	11-Apr-17 A
Fanling Highway Zone 3 between CH7290 and CH7380		1232	237	05-Nov-13 A	01-Feb-18
Box Culvert Extension - ID4		1172	0	05-Nov-13 A	14-Mar-17 A
ID4-3000	Demolition of existing box structure	7	0	14-Feb-14 A	01-Mar-14 A
ID4-3010	Flow diversion of existing stream	4	0	05-Nov-13 A	16-Nov-13 A
ID4-3020	Installation of dowel bar for connection to existing box structure	4	0	03-Mar-14 A	07-Mar-14 A
ID4-3030A	Bay 1 - Excavation	4	0	03-Mar-14 A	04-Mar-14 A
ID4-3030B	Bay 2 - Excavation	4	0	18-Nov-13 A	03-Dec-13 A
ID4-3030C	Bay 3 - Excavation	4	0	18-Nov-13 A	18-Dec-13 A
ID4-3040A	Bay 1 - Sub-base & Blinding	3	0	04-Mar-14 A	05-Mar-14 A
ID4-3040B	Bay 2 - Sub-base & Blinding	3	0	04-Dec-13 A	24-Dec-13 A
ID4-3040C	Bay 3 - Sub-base & Blinding	3	0	19-Dec-13 A	23-Dec-13 A
ID4-3050A	Bay 1 - Base Slab	7	0	07-Mar-14 A	12-Mar-14 A
ID4-3050B	Bay 2 - Base Slab	7	0	27-Dec-13 A	04-Jan-14 A
ID4-3050C	Bay 3 - Base Slab	7	0	27-Dec-13 A	04-Jan-14 A
ID4-3060A	Bay 1 - Wall and Top Slab	13	0	13-Mar-14 A	26-Mar-14 A
ID4-3060B	Bay 2 - Wall and Top Slab	21	0	07-Jan-14 A	21-Jan-14 A
ID4-3060C	Bay 3 - Wall and Top Slab	21	0	07-Jan-14 A	21-Jan-14 A
ID4-3070	Construction of Temporary Road for Site Access	12	0	24-Jan-14 A	14-Feb-14 A
ID4-3080	Construction of Wing Wall, Cascade and Head Wall	35	0	24-Dec-13 A	15-Feb-14 A
ID4-3090	Bay 1 - Remaining Base Slab (To be carried out after diversion of DN1400 water mains)	95	0	30-Nov-16 A	14-Mar-17 A
Box Culvert Extension - ID5		288	0	05-Nov-13 A	15-Mar-14 A
ID5-3000	Demolition of existing box structure	7	0	14-Feb-14 A	25-Feb-14 A
ID5-3010	Flow Diversion of Existing Stream	4	0	05-Nov-13 A	12-Nov-13 A
ID5-3020	Installation of Dowel Bar for Connection to Existing Box Structure	4	0	26-Feb-14 A	26-Feb-14 A
ID5-3030A	Bay 1 - Excavation	4	0	26-Feb-14 A	28-Feb-14 A
ID5-3030B	Bay 2 - Excavation	4	0	13-Nov-13 A	21-Nov-13 A
ID5-3030C	Bay 3 - Excavation	4	0	13-Nov-13 A	21-Nov-13 A
ID5-3040A	Bay 1 - Sub-base & Blinding	3	0	01-Mar-14 A	01-Mar-14 A
ID5-3040B	Bay 2 - Sub-base & Blinding	3	0	22-Nov-13 A	10-Dec-13 A
ID5-3040C	Bay 3 - Sub-base & Blinding	3	0	22-Nov-13 A	27-Nov-13 A
ID5-3050A	Bay 1 - Base Slab	7	0	03-Mar-14 A	08-Mar-14 A
ID5-3050B	Bay 2 - Base Slab	7	0	11-Dec-13 A	20-Dec-13 A
ID5-3050C	Bay 3 - Base Slab	7	0	28-Nov-13 A	09-Dec-13 A
ID5-3060A	Bay 1 - Wall and Top Slab	13	0	11-Mar-14 A	15-Mar-14 A
ID5-3060B	Bay 2 - Wall and Top Slab	21	0	23-Dec-13 A	09-Jan-14 A
ID5-3060C	Bay 3 - Wall and Top Slab	21	0	21-Dec-13 A	27-Jan-14 A
ID5-3070	Construction of Temporary Road for Site Access	12	0	27-Jan-14 A	14-Feb-14 A
ID5-3080	Construction of Wing Wall, Cascade and Head Wall	45	0	06-Jan-14 A	13-Mar-14 A



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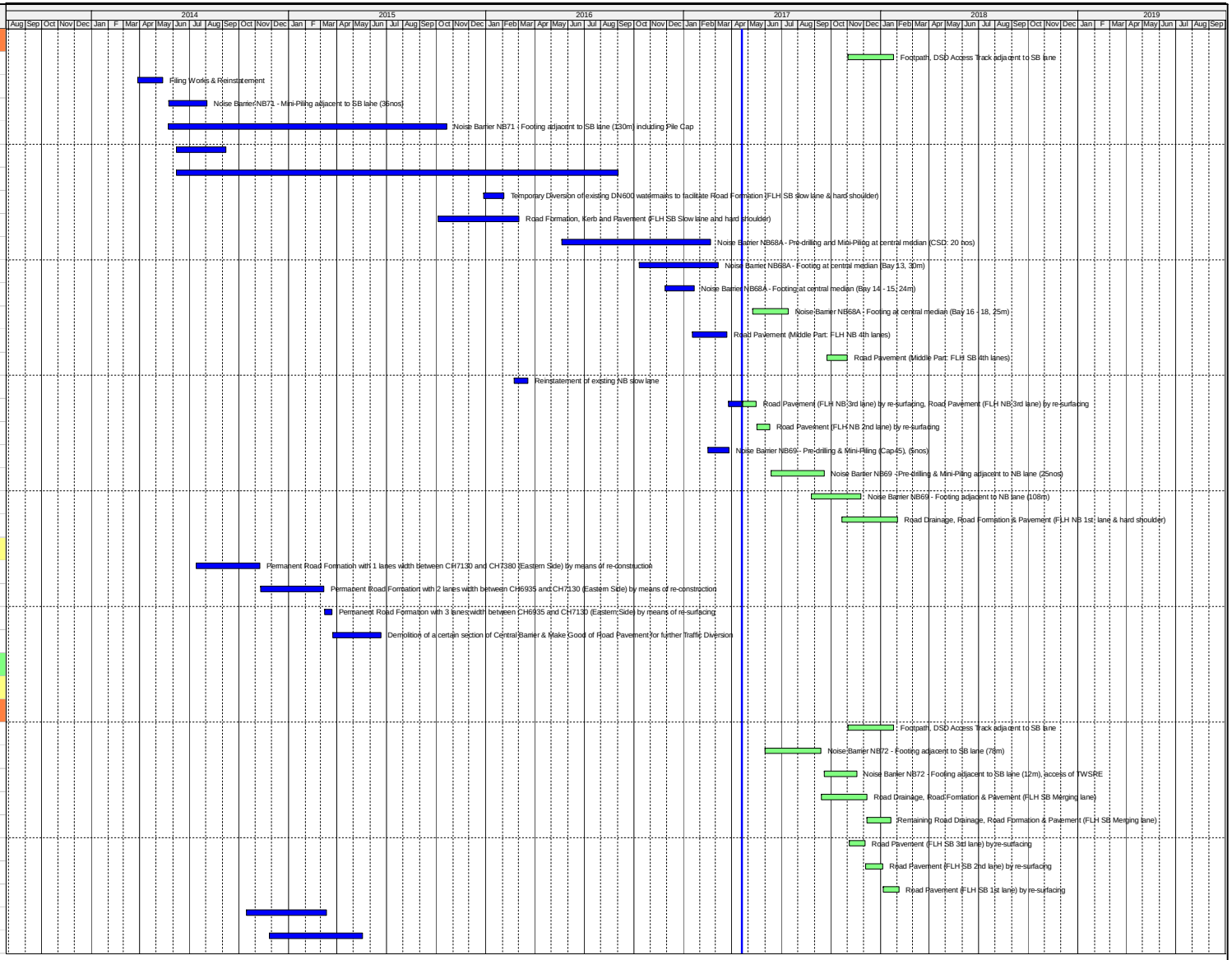
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
	At-Grade Roadworks (130m)	1115	237	27-Mar-14 A	01-Feb-18
FHW-300	Footpath, DSD Access Track adjacent to SB lane	70	70	01-Nov-17	24-Jan-18
FHW-3100	Filing Works & Reinstatement	30	0	27-Mar-14 A	13-May-14 A
FHW-3120	Noise Barrier NB71 - Mini-Piling adjacent to SB lane (36nos)	40	0	24-May-14 A	02-Aug-14 A
FHW-3130	Noise Barrier NB71 - Footing adjacent to SB lane (130m) including Pile Cap	324	0	23-May-14 A	20-Oct-15 A
FHW-3140*	Pipe Laying - Twin DN1400 Watermains (CHE & F) along Fanling Highway (90m long, 3m depth)	90	0	07-Jun-14 A	06-Sep-14 A
FHW-3150*	Pipe Laying - DN600, DN1200 Watermains (CHB&CHC) along Fanling Highway (90m long, 3m depth)	150	0	07-Jun-14 A	02-Sep-16 A
FHW-3160	Temporary Diversion of existing DN600 watermains to facilitate Road Formation (FLH SB slow lane & hard shoulder)	12	0	28-Dec-15 A	03-Feb-16 A
FHW-3170	Road Formation, Kerb and Pavement (FLH SB Slow lane and hard shoulder)	63	0	05-Oct-15 A	02-Mar-16 A
FHW-3210	Noise Barrier NB68A - Pre-drilling and Mini-Piling at central median (CSD: 20 nos)	50	0	21-May-16 A	21-Feb-17 A
FHW-3220A	Noise Barrier NB68A - Footing at central median (Bay 13, 30m)	73	0	11-Oct-16 A	06-Mar-17 A
FHW-3220B	Noise Barrier NB68A - Footing at central median (Bay 14 - 15, 24m)	32	0	28-Nov-16 A	21-Jan-17 A
FHW-3220C	Noise Barrier NB68A - Footing at central median (Bay 16 - 18, 25m)	55	55	09-May-17	13-Jul-17
FHW-3230	Road Pavement (Middle Part: FLH NB 4th lanes)	55	0	17-Jan-17 A	23-Mar-17 A
FHW-3240	Road Pavement (Middle Part: FLH SB 4th lanes)	30	30	23-Sep-17	31-Oct-17
FHW-3300	Reinstatement of existing NB slow lane	5	0	22-Feb-16 A	19-Mar-16 A
FHW-3310	Road Pavement (FLH NB 3rd lane) by re-surfacing	32	20	25-Mar-17 A	15-May-17
FHW-3320	Road Pavement (FLH NB 2nd lane) by re-surfacing	21	21	17-May-17	10-Jun-17
FHW-3330a	Noise Barrier NB69 - Pre-drilling & Mini-Piling (Cap45), (5nos)	35	0	16-Feb-17 A	27-Mar-17 A
FHW-3330b	Noise Barrier NB69 - Pre-drilling & Mini-Piling adjacent to NB lane (25nos)	84	84	12-Jun-17	18-Sep-17
FHW-3340	Noise Barrier NB69 - Footing adjacent to NB lane (108m)	77	77	25-Aug-17	25-Nov-17
FHW-3350	Road Drainage, Road Formation & Pavement (FLH NB 1st lane & hard shoulder)	85	85	21-Oct-17	01-Feb-18
	Miscellaneous Works for Facilitating Traffic Diversion of Fanling Highway	297	0	13-Jul-14 A	20-Jun-15 A
FHW-M-1010	Permanent Road Formation with 1 lanes width between CH7130 and CH7380 (Eastern Side) by means of re-construction	62	0	13-Jul-14 A	08-Nov-14 A
FHW-M-1020	Permanent Road Formation with 2 lanes width between CH6935 and CH7130 (Eastern Side) by means of re-construction	45	0	10-Nov-14 A	07-Mar-15 A
FHW-M-1030	Permanent Road Formation with 3 lanes width between CH6935 and CH7130 (Eastern Side) by means of re-surfacing	12	0	09-Mar-15 A	22-Mar-15 A
FHW-M-1040	Demolition of a certain section of Central Barrier & Make Good of Road Pavement for further Traffic Diversion	54	0	23-Mar-15 A	20-Jun-15 A
	Fanling Highway North Portion between CH7470 and CH7925	1407	406	30-Aug-13 A	03-Sep-18
	Fanling Highway Zone 4 between CH7380 and CH7470	932	206	15-Oct-14 A	03-Feb-18
	At-Grade Roadworks (90m)	932	206	15-Oct-14 A	03-Feb-18
FHW-400	Footpath, DSD Access Track adjacent to SB lane	70	70	01-Nov-17	24-Jan-18
FHW-4100A	Noise Barrier NB72 - Footing adjacent to SB lane (78m)	88	88	01-Jun-17*	12-Sep-17
FHW-4100B	Noise Barrier NB72 - Footing adjacent to SB lane (12m), access of TWSRE	50	50	18-Sep-17	17-Nov-17
FHW-4120A	Road Drainage, Road Formation & Pavement (FLH SB Merging lane)	70	70	13-Sep-17	06-Dec-17
FHW-4120B	Remaining Road Drainage, Road Formation & Pavement (FLH SB Merging lane)	35	35	07-Dec-17	19-Jan-18
FHW-4130	Road Pavement (FLH SB 3rd lane) by re-surfacing	25	25	04-Nov-17	02-Dec-17
FHW-4140	Road Pavement (FLH SB 2nd lane) by re-surfacing	25	25	04-Dec-17	04-Jan-18
FHW-4150	Road Pavement (FLH SB 1st lane) by re-surfacing	25	25	06-Jan-18	03-Feb-18
FHW-4160*	Pipe Laying - Twin DN1400 Watermains (CHE & CHG) along Fanling Highway (90m long, 3m depth)	155	0	15-Oct-14 A	12-Mar-15 A
FHW-4170*	Pipe Laying - DN600 & DN1200 Watermains (CHB&CHC) along Fanling Highway (90m long, 3m depth)	60	0	27-Nov-14 A	18-May-15 A



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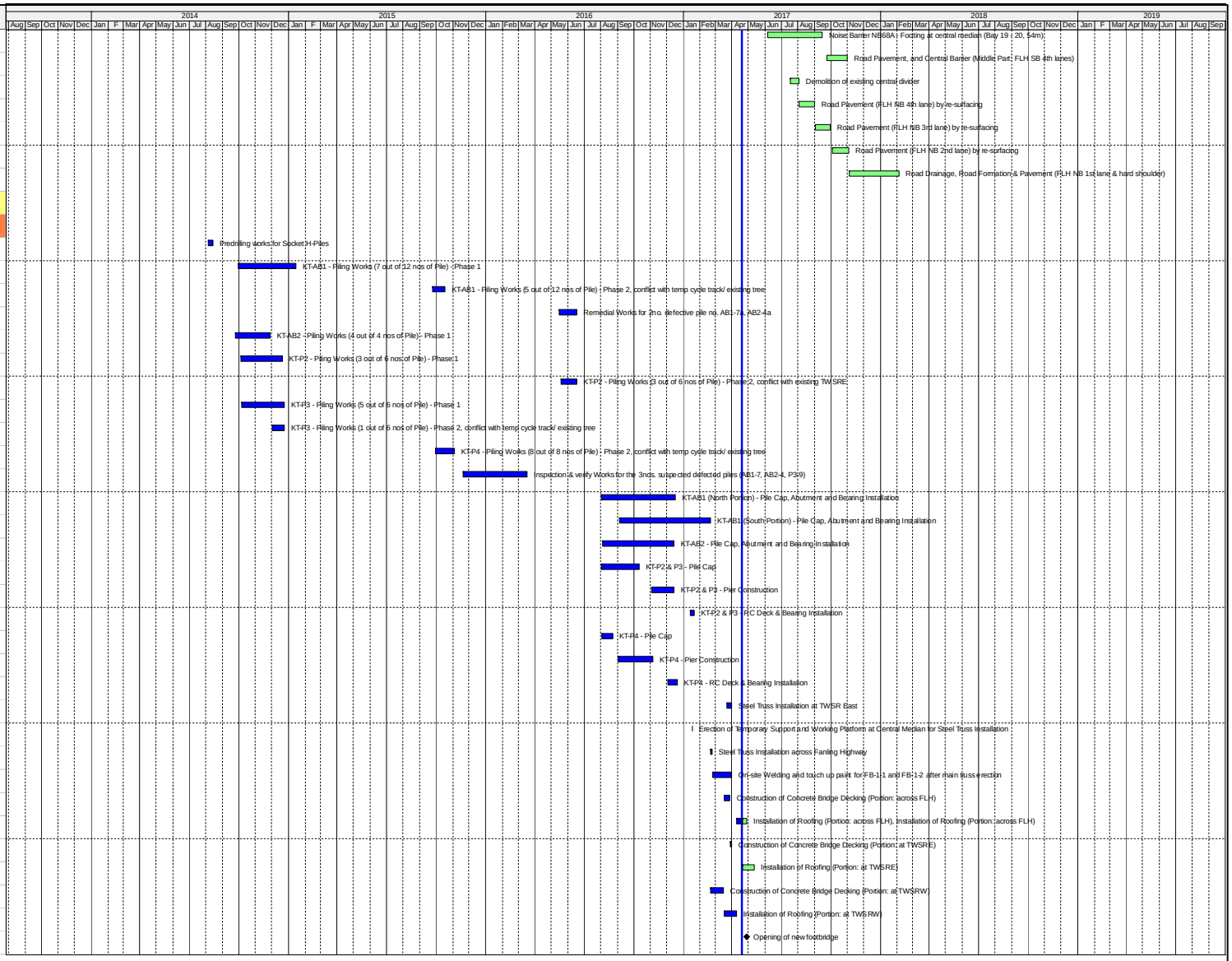
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
FHW-4210	Noise Barrier NB68A - Footing at central median (Bay 19 - 20, 54m)	86	86	06-Jun-17	14-Sep-17
FHW-4220	Road Pavement, and Central Barrier (Middle Part: FLH SB 4th lanes)	30	30	23-Sep-17	31-Oct-17
FHW-4240	Demolition of existing central divider	14	14	18-Jul-17	02-Aug-17
FHW-4250	Road Pavement (FLH NB 4th lane) by re-surfacing	25	25	03-Aug-17	31-Aug-17
FHW-4310	Road Pavement (FLH NB 3rd lane) by re-surfacing	25	25	02-Sep-17	30-Sep-17
FHW-4320	Road Pavement (FLH NB 2nd lane) by re-surfacing	25	25	03-Oct-17	02-Nov-17
FHW-4330	Road Drainage, Road Formation & Pavement (FLH NB 1st lane & hard shoulder)	76	76	04-Nov-17	03-Feb-18
Fanling Highway Zone 5 between CH7470 and CH7600 (Provision of Kiu Tau Foo		1103	239	15-Apr-14 A	03-Feb-18
Kiu Tau Footbridge Reprovision (East)		969	191	05-Aug-14 A	06-Dec-17
FHW-5000	Predrilling works for Socket H-Piles	45	0	05-Aug-14 A	14-Aug-14 A
FHW-5000A1	KT-AB1 - Piling Works (7 out of 12 nos of Pile) - Phase 1	60	0	29-Sep-14 A	14-Jan-15 A
FHW-5000A2	KT-AB1 - Piling Works (5 out of 12 nos of Pile) - Phase 2, conflict with temp cycle track/ existing tree	25	0	25-Sep-15 A	17-Oct-15 A
FHW-5000A3	Remedial Works for 2no. defective pile no. AB1-7a, AB2-4a	12	0	16-May-16 A	17-Jun-16 A
FHW-5000B	KT-AB2 - Piling Works (4 out of 4 nos of Pile) - Phase 1	20	0	24-Sep-14 A	27-Nov-14 A
FHW-5000C1	KT-P2 - Piling Works (3 out of 6 nos of Pile) - Phase 1	30	0	04-Oct-14 A	20-Dec-14 A
FHW-5000C2	KT-P2 - Piling Works (3 out of 6 nos of Pile) - Phase 2, conflict with existing TWSRE	12	0	19-May-16 A	17-Jun-16 A
FHW-5000D1	KT-P3 - Piling Works (5 out of 6 nos of Pile) - Phase 1	40	0	06-Oct-14 A	24-Dec-14 A
FHW-5000D2	KT-P3 - Piling Works (1 out of 6 nos of Pile) - Phase 2, conflict with temp cycle track/ existing tree	6	0	02-Dec-14 A	24-Dec-14 A
FHW-5000E	KT-P4 - Piling Works (8 out of 8 nos of Pile) - Phase 2, conflict with temp cycle track/ existing tree	40	0	30-Sep-15 A	03-Nov-15 A
FHW-5010	Inspection & verify Works for the 3nos. suspected defected piles (AB1-7, AB2-4, P3-9)	35	0	20-Nov-15 A	17-Mar-16 A
FHW-5010A1	KT-AB1 (North Portion) - Pile Cap, Abutment and Bearing Installation	65	0	01-Aug-16 A	17-Dec-16 A
FHW-5010A2	KT-AB1 (South Portion) - Pile Cap, Abutment and Bearing Installation	44	0	05-Sep-16 A	20-Feb-17 A
FHW-5010B	KT-AB2 - Pile Cap, Abutment and Bearing Installation	65	0	04-Aug-16 A	14-Dec-16 A
FHW-5010C1	KT-P2 & P3 - Pile Cap	65	0	01-Aug-16 A	11-Oct-16 A
FHW-5010C2	KT-P2 & P3 - Pier Construction	22	0	03-Nov-16 A	15-Dec-16 A
FHW-5010C3	KT-P2 & P3 - RC Deck & Bearing Installation	30	0	14-Jan-17 A	21-Jan-17 A
FHW-5010D1	KT-P4 - Pile Cap	65	0	03-Aug-16 A	23-Aug-16 A
FHW-5010D2	KT-P4 - Pier Construction	40	0	03-Sep-16 A	05-Nov-16 A
FHW-5010D3	KT-P4 - RC Deck & Bearing Installation	30	0	03-Dec-16 A	21-Dec-16 A
FHW-5020	Steel Truss Installation at TWSR East	3	0	23-Mar-17 A	01-Apr-17 A
FHW-5030	Erection of Temporary Support and Working Platform at Central Median for Steel Truss Installation	6	0	17-Jan-17 A	17-Jan-17 A
FHW-5040a	Steel Truss Installation across Fanling Highway	3	0	20-Feb-17 A	23-Feb-17 A
FHW-5040b	On-site Welding and touch up paint for FB-1-1 and FB-1-2 after main truss erection	5	0	24-Feb-17 A	31-Mar-17 A
FHW-5050a1	Construction of Concrete Bridge Decking (Portion: across FLH)	10	0	18-Mar-17 A	28-Mar-17 A
FHW-5050a2	Installation of Roofing (Portion: across FLH)	18	7	10-Apr-17 A	27-Apr-17
FHW-5050b1	Construction of Concrete Bridge Decking (Portion: at TWSRE)	5	0	29-Mar-17 A	01-Apr-17 A
FHW-5050b2	Installation of Roofing (Portion: at TWSRE)	18	18	20-Apr-17	12-May-17
FHW-5050c1	Construction of Concrete Bridge Decking (Portion: at TWSRW)	18	0	21-Feb-17 A	17-Mar-17 A
FHW-5050c2	Installation of Roofing (Portion: at TWSRW)	18	0	18-Mar-17 A	09-Apr-17 A
FHW-5060	Opening of new footbridge	0	0		28-Apr-17



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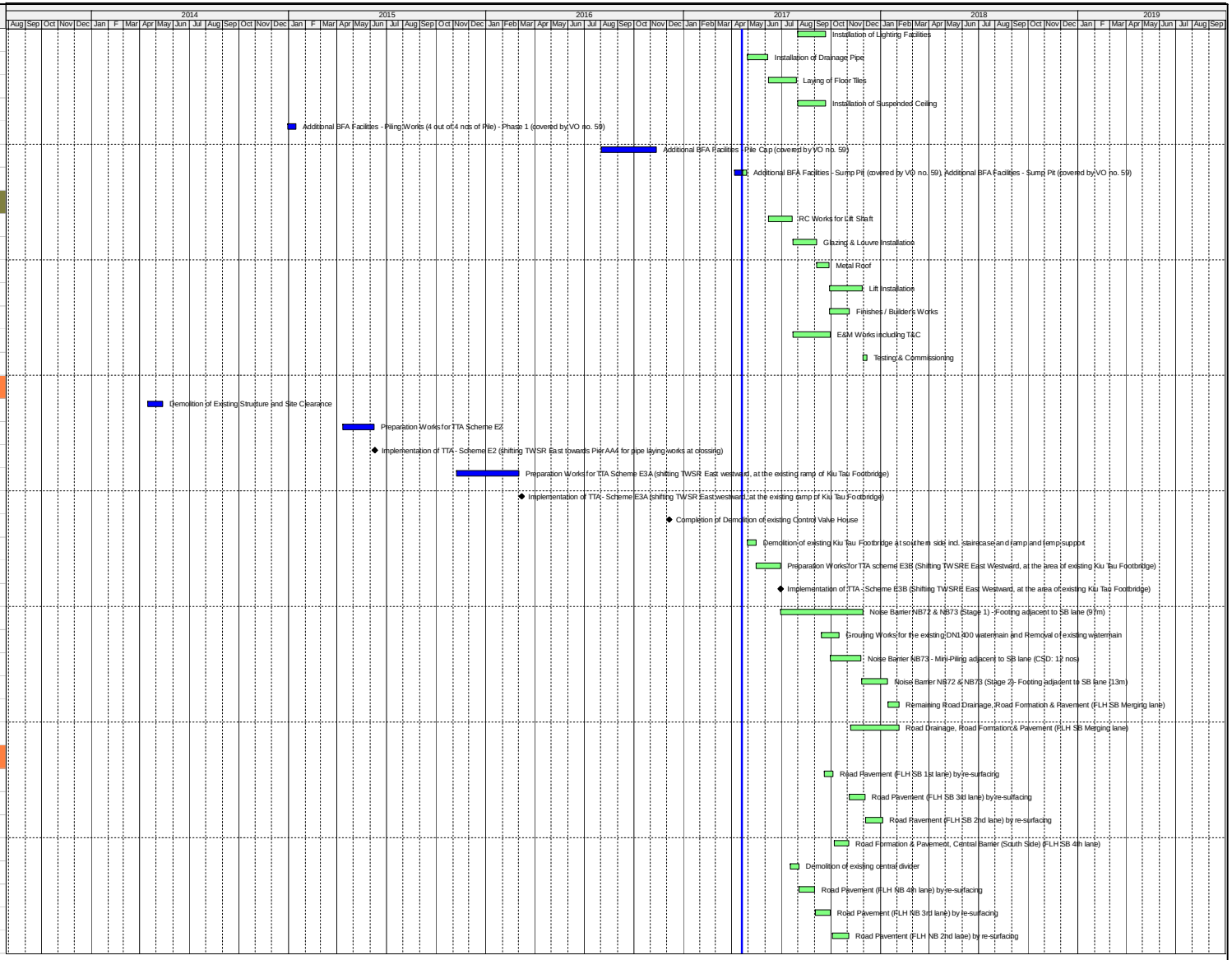
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
FHW-5070a	Installation of Lighting Facilities	45	45	31-Jul-17	20-Sep-17
FHW-5070b	Installation of Drainage Pipe	30	30	29-Apr-17	06-Jun-17
FHW-5070c	Laying of Floor Tiles	45	45	07-Jun-17	29-Jul-17
FHW-5070d	Installation of Suspended Ceiling	45	45	31-Jul-17	20-Sep-17
FHW-5080	Additional BFA Facilities - Piling Works (4 out of 4 nos of Pile) - Phase 1 (covered by VO no. 59)	20	0	30-Dec-14 A	14-Jan-15 A
FHW-5090a	Additional BFA Facilities - Pile Cap (covered by VO no. 59)	50	0	01-Aug-16 A	12-Nov-16 A
FHW-5090b	Additional BFA Facilities - Sump Pit (covered by VO no. 59)	35	8	06-Apr-17 A	28-Apr-17
Provision of BFA Facilities (Lift)		153	153	07-Jun-17	06-Dec-17
FHW-L-1000	RC Works for Lift Shaft	38	38	07-Jun-17	21-Jul-17
FHW-L-1010	Glazing & Louvre Installation	38	38	22-Jul-17	04-Sep-17
FHW-L-1020	Metal Roof	20	20	05-Sep-17	27-Sep-17
FHW-L-1030	Lift Installation	50	50	28-Sep-17	28-Nov-17
FHW-L-1040	Finishes / Builder's Works	30	30	28-Sep-17	04-Nov-17
FHW-L-1050	E&M Works including T&C	60	60	22-Jul-17	29-Sep-17
FHW-L-1060	Testing & Commissioning	7	7	29-Nov-17	06-Dec-17
Works at existing TWSRE		1103	231	15-Apr-14 A	03-Feb-18
FHW-5400	Demolition of Existing Structure and Site Clearance	45	0	15-Apr-14 A	13-May-14 A
FHW-5410A	Preparation Works for TTA Scheme E2	51	0	11-Apr-15 A	08-Jun-15 A
FHW-5410B	Implementation of TTA - Scheme E2 (shifting TWSR East towards Pier AA4 for pipe laying works at crossing)	0	0	09-Jun-15 A	
FHW-5420A	Preparation Works for TTA Scheme E3A (shifting TWSR East westward, at the existing ramp of Kiu Tau Footbridge)	50	0	07-Nov-15 A	02-Mar-16 A
FHW-5420B	Implementation of TTA - Scheme E3A (shifting TWSR East westward, at the existing ramp of Kiu Tau Footbridge)	0	0	07-Mar-16 A	
FHW-5430	Completion of Demolition of existing Control Valve House	0	0		06-Dec-16 A
FHW-5440	Demolition of existing Kiu Tau Footbridge at southern side incl. staircase and ramp and temp support	12	12	29-Apr-17	15-May-17
FHW-5460	Preparation Works for TTA scheme E3B (Shifting TWSRE East Westward, at the area of existing Kiu Tau Footbridge)	38	38	16-May-17	29-Jun-17
FHW-5470	Implementation of TTA - Scheme E3B (Shifting TWSRE East Westward, at the area of existing Kiu Tau Footbridge)	0	0	30-Jun-17	
FHW-5480	Noise Barrier NB72 & NB73 (Stage 1) - Footing adjacent to SB lane (97m)	127	127	30-Jun-17	29-Nov-17
FHW-5480A	Grouting Works for the existing DN1400 watermain and Removal of existing watermain	26	26	14-Sep-17	16-Oct-17
FHW-5480B	Noise Barrier NB73 - Mini-Piling adjacent to SB lane (CSD: 12 nos)	46	46	30-Sep-17	25-Nov-17
FHW-5480C	Noise Barrier NB72 & NB73 (Stage 2)- Footing adjacent to SB lane (13m)	39	39	27-Nov-17	13-Jan-18
FHW-5480D	Remaining Road Drainage, Road Formation & Pavement (FLH SB Merging lane)	18	18	15-Jan-18	03-Feb-18
FHW-5490	Road Drainage, Road Formation & Pavement (FLH SB Merging lane)	75	75	06-Nov-17	03-Feb-18
At-Grade Road Works (130m)		167	167	18-Jul-17	03-Feb-18
FHW-5100	Road Pavement (FLH SB 1st lane) by re-surfacing	14	14	18-Sep-17	04-Oct-17
FHW-5110	Road Pavement (FLH SB 3rd lane) by re-surfacing	25	25	04-Nov-17	02-Dec-17
FHW-5120	Road Pavement (FLH SB 2nd lane) by re-surfacing	25	25	04-Dec-17	04-Jan-18
FHW-5210	Road Formation & Pavement, Central Barrier (South Side) (FLH SB 4th lane)	22	22	07-Oct-17	02-Nov-17
FHW-5230	Demolition of existing central divider	14	14	18-Jul-17	02-Aug-17
FHW-5240	Road Pavement (FLH NB 4th lane) by re-surfacing	25	25	03-Aug-17	31-Aug-17
FHW-5310	Road Pavement (FLH NB 3rd lane) by re-surfacing	25	25	02-Sep-17	30-Sep-17
FHW-5320	Road Pavement (FLH NB 2nd lane) by re-surfacing	25	25	03-Oct-17	02-Nov-17



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CEDD Contract No. CV/2012/09

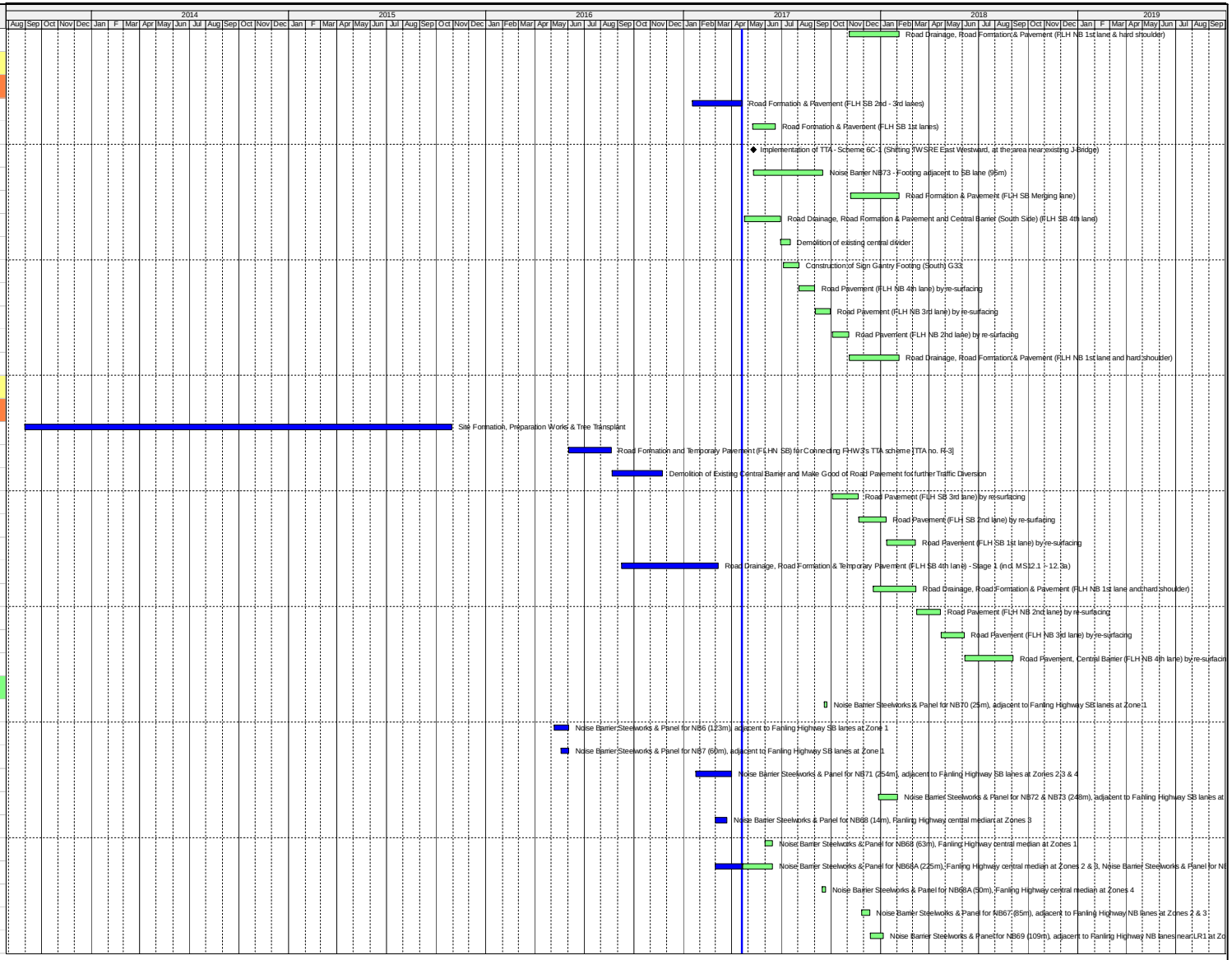
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
FHW-5330	Road Drainage, Road Formation & Pavement (FLH NB 1st lane & hard shoulder)	76	76	04-Nov-17	03-Feb-18
Fanling Highway Zone 6 between CH7600 and CH7660 (Existing Vehicular Bridge)		305	236	17-Jan-17 A	03-Feb-18
At-Grade Roadworks (60m)		305	236	17-Jan-17 A	03-Feb-18
FHW-6110	Road Formation & Pavement (FLH SB 2nd - 3rd lanes)	50	0	17-Jan-17 A	19-Apr-17 A
FHW-6120	Road Formation & Pavement (FLH SB 1st lanes)	35	35	09-May-17	19-Jun-17
FHW-6130	Implementation of TTA - Scheme 6C-1 (Shifting TWSRE East Westward, at the area near existing J-Bridge)	0	0	11-May-17	
FHW-6140	Noise Barrier NB73 - Footing adjacent to SB lane (95m)	108	108	11-May-17	15-Sep-17
FHW-6150	Road Formation & Pavement (FLH SB Merging lane)	75	75	06-Nov-17	03-Feb-18
FHW-6210	Road Drainage, Road Formation & Pavement and Central Barrier (South Side) (FLH SB 4th lane)	55	55	24-Apr-17	29-Jun-17
FHW-6230a	Demolition of existing central divider	14	14	30-Jun-17	17-Jul-17
FHW-6230b	Construction of Sign Gantry Footing (South) G33	25	25	05-Jul-17	02-Aug-17
FHW-6240	Road Pavement (FLH NB 4th lane) by re-surfacing	25	25	03-Aug-17	31-Aug-17
FHW-6310	Road Pavement (FLH NB 3rd lane) by re-surfacing	25	25	02-Sep-17	30-Sep-17
FHW-6320	Road Pavement (FLH NB 2nd lane) by re-surfacing	25	25	03-Oct-17	02-Nov-17
FHW-6330	Road Drainage, Road Formation & Pavement (FLH NB 1st lane and hard shoulder)	76	76	04-Nov-17	03-Feb-18
Fanling Highway Zone 7 between CH7660 and CH7925		1407	269	30-Aug-13 A	03-Sep-18
At-Grade Roadworks (265m)		1407	269	30-Aug-13 A	03-Sep-18
FHW-7100	Site Formation, Preparation Works & Tree Transplant	127	0	30-Aug-13 A	30-Oct-15 A
FHW-7110	Road Formation and Temporary Pavement (FLHN SB) for Connecting FHW3's TTA scheme [TTA no. R-3]	60	0	02-Jun-16 A	20-Aug-16 A
FHW-7120	Demolition of Existing Central Barrier and Make Good of Road Pavement for further Traffic Diversion	38	0	22-Aug-16 A	23-Nov-16 A
FHW-7130	Road Pavement (FLH SB 3rd lane) by re-surfacing	40	40	03-Oct-17	20-Nov-17
FHW-7140	Road Pavement (FLH SB 2nd lane) by re-surfacing	40	40	22-Nov-17	10-Jan-18
FHW-7150	Road Pavement (FLH SB 1st lane) by re-surfacing	40	40	12-Jan-18	06-Mar-18
FHW-7210	Road Drainage, Road Formation & Temporary Pavement (FLH SB 4th lane) - Stage 1 (incl. MS12.1 ~ 12.3a)	125	0	08-Sep-16 A	06-Mar-17 A
FHW-7310	Road Drainage, Road Formation & Pavement (FLH NB 1st lane and hard shoulder)	60	60	18-Dec-17	07-Mar-18
FHW-7320	Road Pavement (FLH NB 2nd lane) by re-surfacing	35	35	08-Mar-18	21-Apr-18
FHW-7330	Road Pavement (FLH NB 3rd lane) by re-surfacing	35	35	23-Apr-18	04-Jun-18
FHW-7340	Road Pavement, Central Barrier (FLH NB 4th lane) by re-surfacing	75	75	06-Jun-18	03-Sep-18
Remaining Works for Noise Barrier along widened Fanling Highway		506	237	07-May-16 A	01-Feb-18
FHW-NB-110	Noise Barrier Steelworks & Panel for NB70 (25m), adjacent to Fanling Highway SB lanes at Zone 1	6	6	18-Sep-17	23-Sep-17
FHW-NB-120	Noise Barrier Steelworks & Panel for NB6 (123m), adjacent to Fanling Highway SB lanes at Zone 1	21	0	07-May-16 A	02-Jun-16 A
FHW-NB-130	Noise Barrier Steelworks & Panel for NB7 (60m), adjacent to Fanling Highway SB lanes at Zone 1	11	0	20-May-16 A	02-Jun-16 A
FHW-NB-140	Noise Barrier Steelworks & Panel for NB71 (254m), adjacent to Fanling Highway SB lanes at Zones 2,3 & 4	40	0	24-Jan-17 A	01-Apr-17 A
FHW-NB-150	Noise Barrier Steelworks & Panel for NB72 & NB73 (248m), adjacent to Fanling Highway SB lanes at Zones 4, 5 & 6	30	30	28-Dec-17	01-Feb-18
FHW-NB-210	Noise Barrier Steelworks & Panel for NB68 (14m), Fanling Highway central median at Zones 3	7	0	02-Mar-17 A	23-Mar-17 A
FHW-NB-220	Noise Barrier Steelworks & Panel for NB68 (63m), Fanling Highway central median at Zones 1	13	13	01-Jun-17	15-Jun-17
FHW-NB-230	Noise Barrier Steelworks & Panel for NB68A (225m), Fanling Highway central median at Zones 2 & 3	12	46	02-Mar-17 A	15-Jun-17
FHW-NB-240	Noise Barrier Steelworks & Panel for NB68A (50m), Fanling Highway central median at Zones 4	6	6	15-Sep-17	21-Sep-17
FHW-NB-320	Noise Barrier Steelworks & Panel for NB67 (85m), adjacent to Fanling Highway NB lanes at Zones 2 & 3	14	14	27-Nov-17	12-Dec-17
FHW-NB-330	Noise Barrier Steelworks & Panel for NB69 (109m), adjacent to Fanling Highway NB lanes near LR1 at Zone 3	18	18	13-Dec-17	05-Jan-18



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CEDD Contract No. CV/2012/09

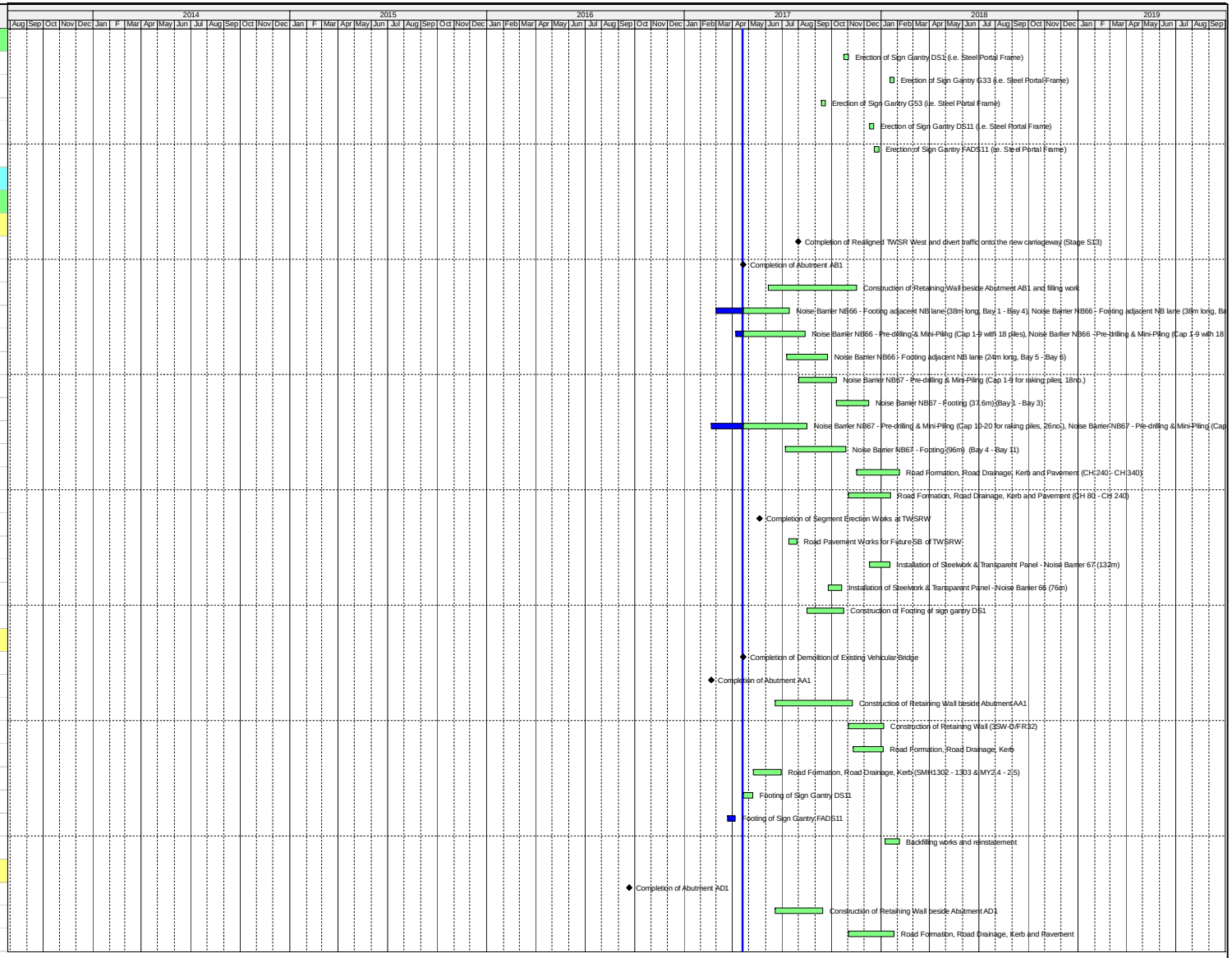
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
Erection of Sign Gantry		110	110	12-Sep-17	24-Jan-18
FHW-SG-1000	Erection of Sign Gantry DS1 (i.e. Steel Portal Frame)	7	7	24-Oct-17	01-Nov-17
FHW-SG-1010	Erection of Sign Gantry G33 (i.e. Steel Portal Frame)	7	7	17-Jan-18	24-Jan-18
FHW-SG-1020	Erection of Sign Gantry G53 (i.e. Steel Portal Frame)	7	7	12-Sep-17	19-Sep-17
FHW-SG-1030	Erection of Sign Gantry DS11 (i.e. Steel Portal Frame)	7	7	11-Dec-17	18-Dec-17
FHW-SG-1040	Erection of Sign Gantry FADS11 (i.e. Steel Portal Frame)	7	7	19-Dec-17	28-Dec-17
Section II - Remainder of the Works (KD-3)		1330	405	02-Jan-14 A	01-Sep-18
At Grade Link Road at Fanling Highway Interchange		460	290	14-Sep-16 A	16-Apr-18
Link Road 1 (near Abutment AB1)		278	239	20-Feb-17 A	03-Feb-18
FHI-LR1-1000	Completion of Realigned TWSR West and divert traffic onto the new carriageway (Stage S13)	0	0		31-Jul-17
FHI-LR1-1010	Completion of Abutment AB1	0	0		20-Apr-17
FHI-LR1-1020	Construction of Retaining Wall beside Abutment AB1 and filling work	137	137	06-Jun-17	16-Nov-17
FHI-LR1-1030	Noise Barrier NB66 - Footing adjacent NB lane (38m long, Bay 1 - Bay 4)	90	71	02-Mar-17 A	15-Jul-17
FHI-LR1-1040a	Noise Barrier NB66 - Pre-drilling & Mini-Piling (Cap 1-9 with 18 piles)	54	95	07-Apr-17 A	12-Aug-17
FHI-LR1-1040a10	Noise Barrier NB66 - Footing adjacent NB lane (24m long, Bay 5 - Bay 6)	66	66	10-Jul-17	23-Sep-17
FHI-LR1-1050	Noise Barrier NB67 - Pre-drilling & Mini-Piling (Cap 1-9 for raking piles, 18no.)	58	58	01-Aug-17	09-Oct-17
FHI-LR1-1060	Noise Barrier NB67 - Footing (37.6m) (Bay 1 - Bay 3)	52	52	10-Oct-17	09-Dec-17
FHI-LR1-1070	Noise Barrier NB67 - Pre-drilling & Mini-Piling (Cap 10-20 for raking piles, 26no.)	106	98	20-Feb-17 A	16-Aug-17
FHI-LR1-1080	Noise Barrier NB67 - Footing (96m) (Bay 4 - Bay 11)	95	95	07-Jul-17	27-Oct-17
FHI-LR1-1110	Road Formation, Road Drainage, Kerb and Pavement (CH 240 - CH 340)	65	65	17-Nov-17	03-Feb-18
FHI-LR1-1120	Road Formation, Road Drainage, Kerb and Pavement (CH 80 - CH 240)	65	65	01-Nov-17	18-Jan-18
FHI-LR1-1200	Completion of Segment Erection Works at TWSRW	0	0		20-May-17
FHI-LR1-1210	Road Pavement Works for Future SB of TWSRW	14	14	14-Jul-17	29-Jul-17
FHI-LR1-1300	Installation of Steelwork & Transparent Panel - Noise Barrier 67 (132m)	30	30	11-Dec-17	17-Jan-18
FHI-LR1-1310	Installation of Steelwork & Transparent Panel - Noise Barrier 66 (76m)	20	20	25-Sep-17	19-Oct-17
FHI-LR1-1320	Construction of Footing of sign gantry DS1	56	56	17-Aug-17	23-Oct-17
Link Road 2 (near Abutment AA1)		278	239	20-Feb-17 A	03-Feb-18
FHI-LR2-2000	Completion of Demolition of Existing Vehicular Bridge	0	0		20-Apr-17
FHI-LR2-2010	Completion of Abutment AA1	0	0		20-Feb-17 A
FHI-LR2-2020	Construction of Retaining Wall beside Abutment AA1	120	120	19-Jun-17*	09-Nov-17
FHI-LR2-2030	Construction of Retaining Wall (3SW-D/FR32)	55	55	01-Nov-17*	06-Jan-18
FHI-LR2-2040a	Road Formation, Road Drainage, Kerb	45	45	10-Nov-17	04-Jan-18
FHI-LR2-2040b	Road Formation, Road Drainage, Kerb (SMH1302 - 1303 & MY2.4 - 2.5)	45	45	09-May-17	30-Jun-17
FHI-LR2-2040c	Footing of Sign Gantry DS11	14	14	20-Apr-17	08-May-17
FHI-LR2-2040d	Footing of Sign Gantry FADS11	14	0	23-Mar-17 A	06-Apr-17 A
FHI-LR2-2050	Backfilling works and reinstatement	24	24	08-Jan-18	03-Feb-18
Link Road 3 (near Abutment AD1)		269	182	21-Sep-16 A	24-Jan-18
FHI-LR3-3010	Completion of Abutment AD1	0	0		21-Sep-16 A
FHI-LR3-3020	Construction of Retaining Wall beside Abutment AD1	75	75	19-Jun-17*	14-Sep-17
FHI-LR3-3030	Road Formation, Road Drainage, Kerb and Pavement	70	70	01-Nov-17	24-Jan-18



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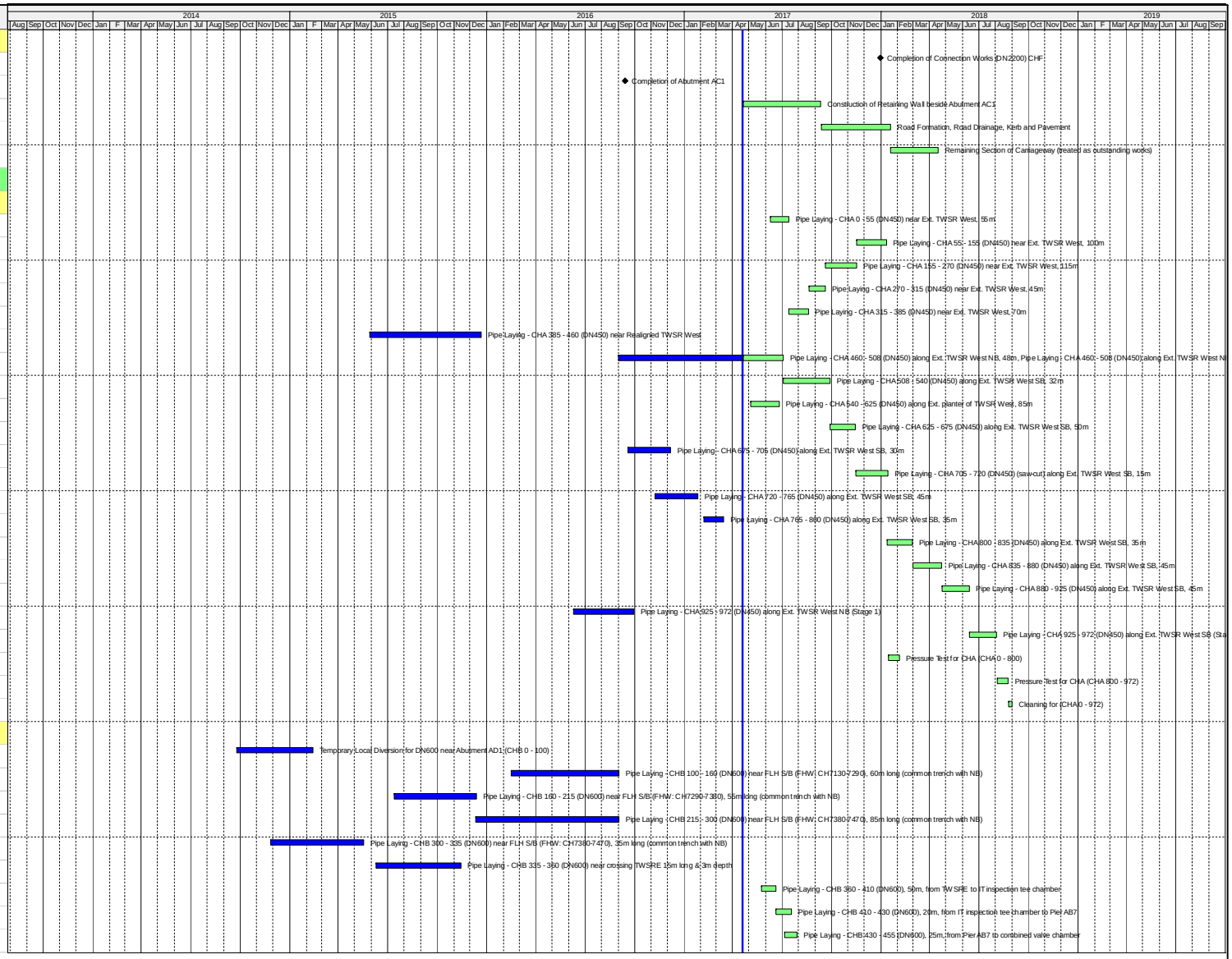
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
Link Road 4 (near Abutment AC1)		460	290	14-Sep-16 A	16-Apr-18
FHI-LR4-4000	Completion of Connection Works (DN2200) CHF	0	0		30-Dec-17
FHI-LR4-4010	Completion of Abutment AC1	0	0		14-Sep-16 A
FHI-LR4-4020	Construction of Retaining Wall beside Abutment AC1	120	120	20-Apr-17*	11-Sep-17
FHI-LR4-4030	Road Formation, Road Drainage, Kerb and Pavement	105	105	12-Sep-17	18-Jan-18
FHI-LR4-4040	Remaining Section of Carriageway (treated as outstanding works)	65	65	19-Jan-18	16-Apr-18
WSD Works		1330	405	20-Feb-14 A	01-Sep-18
DN450 Fire Mains (CHA)		941	405	29-May-15 A	01-Sep-18
WA-1010	Pipe Laying - CHA 0 - 55 (DN450) near Ext. TWSR West, 55m	28	28	10-Jun-17	13-Jul-17
WA-1020	Pipe Laying - CHA 55 - 155 (DN450) near Ext. TWSR West, 100m	45	45	17-Nov-17	11-Jan-18
WA-1110	Pipe Laying - CHA 155 - 270 (DN450) near Ext. TWSR West, 115m	47	47	20-Sep-17	16-Nov-17
WA-1120	Pipe Laying - CHA 270 - 315 (DN450) near Ext. TWSR West, 45m	26	26	21-Aug-17	19-Sep-17
WA-1130	Pipe Laying - CHA 315 - 385 (DN450) near Ext. TWSR West, 70m	32	32	14-Jul-17*	19-Aug-17
WA-1140	Pipe Laying - CHA 385 - 460 (DN450) near Realigned TWSR West	70	0	29-May-15 A	21-Dec-15 A
WA-2010	Pipe Laying - CHA 460 - 508 (DN450) along Ext. TWSR West NB, 48m	188	60	01-Sep-16 A	03-Jul-17
WA-2020	Pipe Laying - CHA 508 - 540 (DN450) along Ext. TWSR West SB, 32m	75	75	04-Jul-17	28-Sep-17
WA-2040	Pipe Laying - CHA 540 - 625 (DN450) along Ext. planter of TWSR West, 85m	45	45	04-May-17*	26-Jun-17
WA-2080	Pipe Laying - CHA 625 - 675 (DN450) along Ext. TWSR West SB, 50m	37	37	29-Sep-17	14-Nov-17
WA-3010a	Pipe Laying - CHA 675 - 705 (DN450) along Ext. TWSR West SB, 30m	66	0	19-Sep-16 A	07-Dec-16 A
WA-3010b	Pipe Laying - CHA 705 - 720 (DN450) (saw-cut) along Ext. TWSR West SB, 15m	49	49	15-Nov-17*	13-Jan-18
WA-3020	Pipe Laying - CHA 720 - 765 (DN450) along Ext. TWSR West SB, 45m	65	0	08-Nov-16 A	26-Jan-17 A
WA-3030	Pipe Laying - CHA 765 - 800 (DN450) along Ext. TWSR West SB, 35m	32	0	07-Feb-17 A	15-Mar-17 A
WA-3040	Pipe Laying - CHA 800 - 835 (DN450) along Ext. TWSR West SB, 35m	35	35	12-Jan-18	28-Feb-18
WA-3050	Pipe Laying - CHA 835 - 880 (DN450) along Ext. TWSR West SB, 45m	42	42	01-Mar-18	23-Apr-18
WA-3060	Pipe Laying - CHA 880 - 925 (DN450) along Ext. TWSR West SB, 45m	42	42	24-Apr-18	13-Jun-18
WA-3070	Pipe Laying - CHA 925 - 972 (DN450) along Ext. TWSR West NB (Stage 1)	94	0	10-Jun-16 A	30-Sep-16 A
WA-3080	Pipe Laying - CHA 925 - 972 (DN450) along Ext. TWSR West SB (Stage 2), 47m	42	42	14-Jun-18	03-Aug-18
WA-4100	Pressure Test for CHA (CHA 0 - 800)	18	18	15-Jan-18	03-Feb-18
WA-4200	Pressure Test for CHA (CHA 800 - 972)	18	18	04-Aug-18	24-Aug-18
WA-4210	Cleaning for (CHA 0 - 972)	7	7	25-Aug-18	01-Sep-18
DN600 Water Mains (CHB)		810	89	25-Sep-14 A	07-Sep-17
WB-0100	Temporary Local Diversion for DN600 near Abutment AD1 (CHB 0 - 100)	80	0	25-Sep-14 A	12-Feb-15 A
WB-1000	Pipe Laying - CHB 100 - 160 (DN600) near FLH S/B (FHW: CH7130-7290), 60m long (common trench with NB)	60	0	15-Feb-16 A	02-Sep-16 A
WB-1010	Pipe Laying - CHB 160 - 215 (DN600) near FLH S/B (FHW: CH7290-7380), 55m long (common trench with NB)	60	0	13-Jul-15 A	12-Dec-15 A
WB-1020	Pipe Laying - CHB 215 - 300 (DN600) near FLH S/B (FHW: CH7380-7470), 85m long (common trench with NB)	60	0	12-Dec-15 A	02-Sep-16 A
WB-1020A	Pipe Laying - CHB 300 - 335 (DN600) near FLH S/B (FHW: CH7380-7470), 35m long (common trench with NB)	60	0	27-Nov-14 A	18-May-15 A
WB-1030A	Pipe Laying - CHB 335 - 360 (DN600) near crossing TWSRE 15m long & 3m depth	30	0	09-Jun-15 A	13-Nov-15 A
WB-1030B	Pipe Laying - CHB 360 - 410 (DN600), 50m, from TWSRE to IT inspection tee chamber	21	21	25-May-17	19-Jun-17
WB-1030C	Pipe Laying - CHB 410 - 430 (DN600), 20m, from IT inspection tee chamber to Pier AB7	25	25	20-Jun-17	19-Jul-17
WB-1040	Pipe Laying - CHB 430 - 455 (DN600), 25m, from Pier AB7 to combined valve chamber	20	20	06-Jul-17	28-Jul-17



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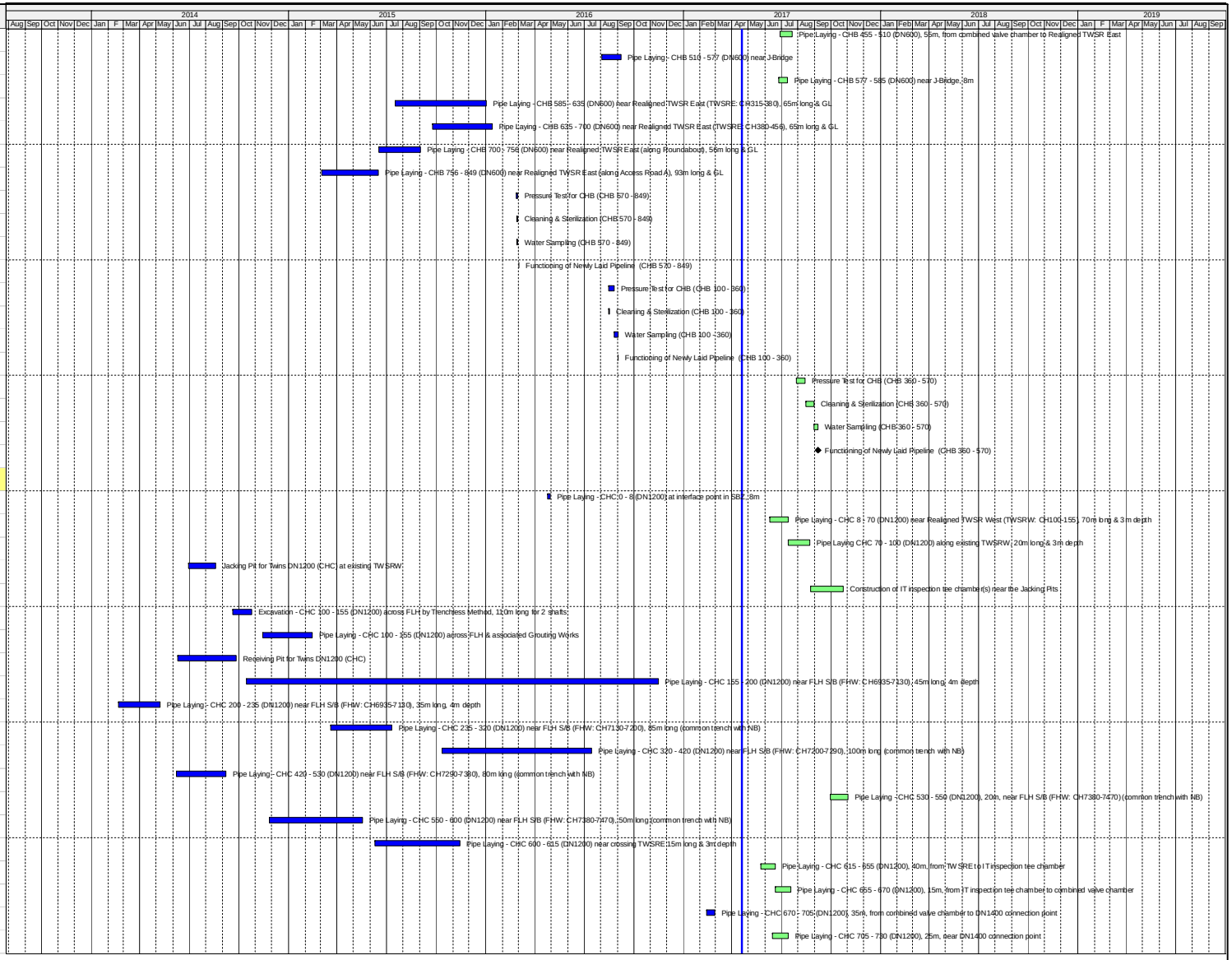
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
WB-1050	Pipe Laying - CHB 455 - 510 (DN600), 55m, from combined valve chamber to Realigned TWSR East	20	20	28-Jun-17	21-Jul-17
WB-1060A	Pipe Laying - CHB 510 - 577 (DN600) near J-Bridge	21	0	03-Aug-16 A	08-Sep-16 A
WB-1060B	Pipe Laying - CHB 577 - 585 (DN600) near J-Bridge, 8m	14	14	26-Jun-17	12-Jul-17
WB-1060C	Pipe Laying - CHB 585 - 635 (DN600) near Realigned TWSR East (TWSRE: CH315-380), 65m long & GL	40	0	17-Jul-15 A	02-Jan-16 A
WB-1070	Pipe Laying - CHB 635 - 700 (DN600) near Realigned TWSR East (TWSRE: CH380-456), 65m long & GL	78	0	24-Sep-15 A	13-Jan-16 A
WB-1080	Pipe Laying - CHB 700 - 756 (DN600) near Realigned TWSR East (along Roundabout), 56m long & GL	66	0	17-Jun-15 A	01-Sep-15 A
WB-1090	Pipe Laying - CHB 756 - 849 (DN600) near Realigned TWSR East (along Access Road A), 93m long & GL	40	0	03-Mar-15 A	15-Jun-15 A
WB-2000	Pressure Test for CHB (CHB 570 - 849)	21	0	26-Feb-16 A	28-Feb-16 A
WB-2010	Cleaning & Sterilization (CHB 570 - 849)	7	0	28-Feb-16 A	28-Feb-16 A
WB-2020	Water Sampling (CHB 570 - 849)	7	0	28-Feb-16 A	29-Feb-16 A
WB-2030	Functioning of Newly Laid Pipeline (CHB 570 - 849)	1	0	02-Mar-16 A	02-Mar-16 A
WB-3000	Pressure Test for CHB (CHB 100 - 360)	5	0	16-Aug-16 A	25-Aug-16 A
WB-3010	Cleaning & Sterilization (CHB 100 - 360)	7	0	16-Aug-16 A	16-Aug-16 A
WB-3020	Water Sampling (CHB 100 - 360)	7	0	26-Aug-16 A	02-Sep-16 A
WB-3030	Functioning of Newly Laid Pipeline (CHB 100 - 360)	1	0	02-Sep-16 A	02-Sep-16 A
WB-4000	Pressure Test for CHB (CHB 360 - 570)	14	14	29-Jul-17	14-Aug-17
WB-4010	Cleaning & Sterilization (CHB 360 - 570)	14	14	15-Aug-17	30-Aug-17
WB-4020	Water Sampling (CHB 360 - 570)	7	7	31-Aug-17	07-Sep-17
WB-4030	Functioning of Newly Laid Pipeline (CHB 360 - 570)	0	0		07-Sep-17
DN1200 Water Mains (CHC)		1100	147	20-Feb-14 A	17-Nov-17
WC-1000A	Pipe Laying - CHC 0 - 8 (DN1200) at interface point in SBZ, 8m	5	0	25-Apr-16 A	30-Apr-16 A
WC-1000B	Pipe Laying - CHC 8 - 70 (DN1200) near Realigned TWSR West (TWSRW: CH100-155), 70m long & 3m depth	28	28	10-Jun-17	13-Jul-17
WC-1010	Pipe Laying CHC 70 - 100 (DN1200) along existing TWSRW, 20m long & 3m depth	35	35	14-Jul-17	23-Aug-17
WC-1020	Jacking Pit for Twins DN1200 (CHC) at existing TWSRW	60	0	30-Jun-14 A	19-Aug-14 A
WC-1030	Construction of IT inspection tee chamber(s) near the Jacking Pits	50	50	24-Aug-17	23-Oct-17
WC-1030A	Excavation - CHC 100 - 155 (DN1200) across FLH by Trenchless Method, 110m long for 2 shafts	169	0	19-Sep-14 A	25-Oct-14 A
WC-1030B	Pipe Laying - CHC 100 - 155 (DN1200) across FLH & associated Grouting Works	46	0	14-Nov-14 A	14-Feb-15 A
WC-1040	Receiving Pit for Twins DN1200 (CHC)	50	0	09-Jun-14 A	25-Sep-14 A
WC-1050A	Pipe Laying - CHC 155 - 200 (DN1200) near FLH S/B (FHW: CH6935-7130), 45m long, 4m depth	120	0	15-Oct-14 A	16-Nov-16 A
WC-1050B	Pipe Laying - CHC 200 - 235 (DN1200) near FLH S/B (FHW: CH6935-7130), 35m long, 4m depth	60	0	20-Feb-14 A	07-May-14 A
WC-1060A	Pipe Laying - CHC 235 - 320 (DN1200) near FLH S/B (FHW: CH7130-7200), 85m long (common trench with NB)	85	0	20-Mar-15 A	11-Jul-15 A
WC-1060B	Pipe Laying - CHC 320 - 420 (DN1200) near FLH S/B (FHW: CH7200-7290), 100m long (common trench with NB)	95	0	12-Oct-15 A	15-Jul-16 A
WC-1070A	Pipe Laying - CHC 420 - 530 (DN1200) near FLH S/B (FHW: CH7290-7380), 80m long (common trench with NB)	77	0	07-Jun-14 A	06-Sep-14 A
WC-1070B	Pipe Laying - CHC 530 - 550 (DN1200), 20m, near FLH S/B (FHW: CH7380-7470) (common trench with NB)	25	25	30-Sep-17	01-Nov-17
WC-1080	Pipe Laying - CHC 550 - 600 (DN1200) near FLH S/B (FHW: CH7380-7470), 50m long (common trench with NB)	85	0	27-Nov-14 A	18-May-15 A
WC-1090A	Pipe Laying - CHC 600 - 615 (DN1200) near crossing TWSRE 15m long & 3m depth	30	0	09-Jun-15 A	13-Nov-15 A
WC-1090B	Pipe Laying - CHC 615 - 655 (DN1200), 40m, from TWSRE to IT inspection tee chamber	21	21	25-May-17	19-Jun-17
WC-1090C	Pipe Laying - CHC 655 - 670 (DN1200), 15m, from IT inspection tee chamber to combined valve chamber	25	25	20-Jun-17	19-Jul-17
WC-1090D	Pipe Laying - CHC 670 - 705 (DN1200), 35m, from combined valve chamber to DN1400 connection point	24	0	13-Feb-17 A	28-Feb-17 A
WC-1090E	Pipe Laying - CHC 705 - 730 (DN1200), 25m, near DN1400 connection point	25	25	15-Jun-17	14-Jul-17



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CEDD Contract No. CV/2012/09

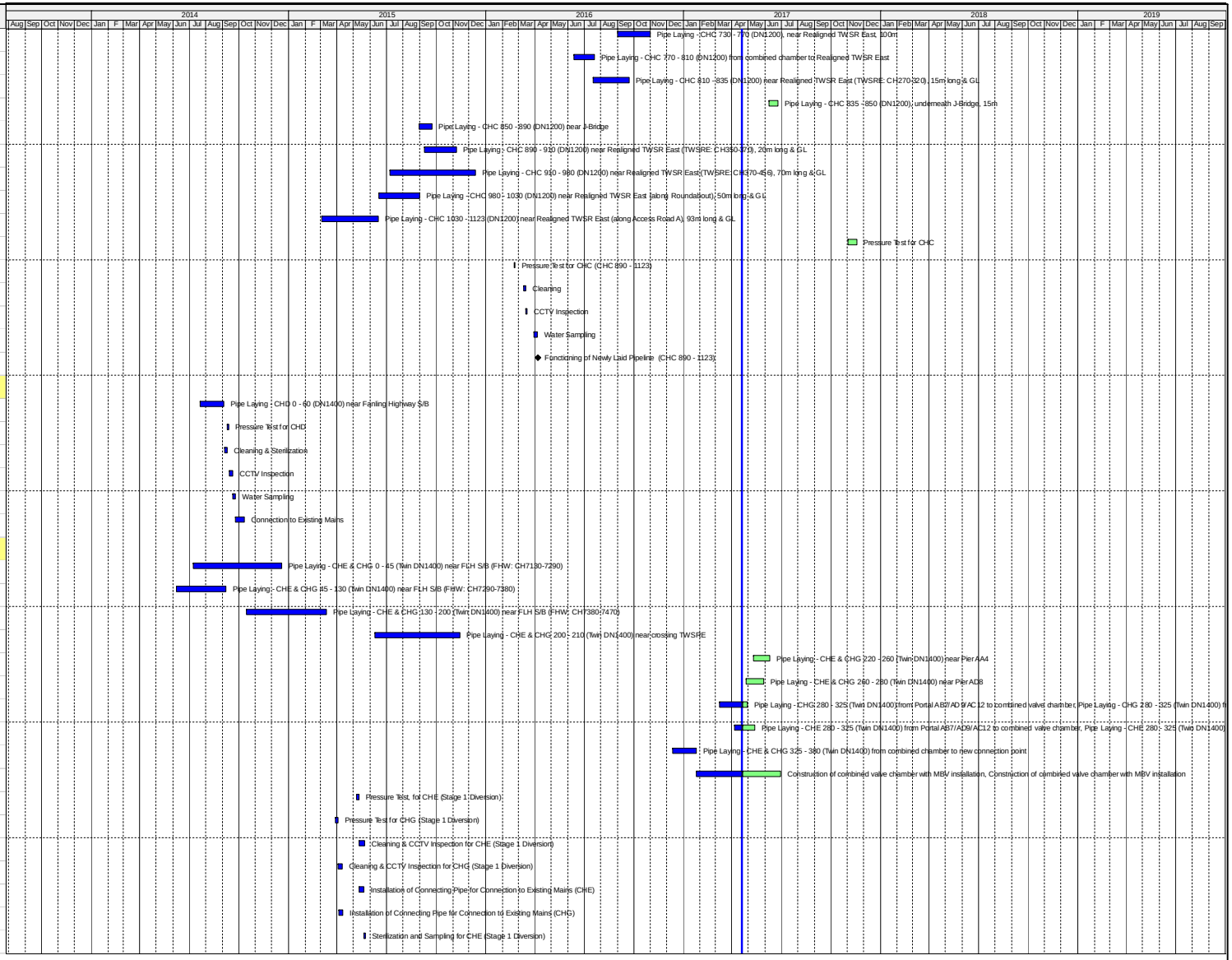
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
WC-1090F	Pipe Laying - CHC 730 - 770 (DN1200), near Realigned TWSR East, 100m	35	0	01-Sep-16 A	31-Oct-16 A
WC-1090G	Pipe Laying - CHC 770 - 810 (DN1200) from combined chamber to Realigned TWSR East	30	0	13-Jun-16 A	21-Jul-16 A
WC-1120A	Pipe Laying - CHC 810 - 835 (DN1200) near Realigned TWSR East (TWSRE: CH270-320), 15m long & GL	25	0	18-Jul-16 A	22-Sep-16 A
WC-1120B	Pipe Laying - CHC 835 - 850 (DN1200), underneath J-Bridge, 15m	14	14	09-Jun-17	24-Jun-17
WC-1120C	Pipe Laying - CHC 850 - 890 (DN1200) near J-Bridge	21	0	31-Aug-15 A	24-Sep-15 A
WC-1120D	Pipe Laying - CHC 890 - 910 (DN1200) near Realigned TWSR East (TWSRE: CH350-370), 20m long & GL	50	0	10-Sep-15 A	07-Nov-15 A
WC-1130	Pipe Laying - CHC 910 - 980 (DN1200) near Realigned TWSR East (TWSRE: CH370-456), 70m long & GL	95	0	07-Jul-15 A	12-Dec-15 A
WC-1140	Pipe Laying - CHC 980 - 1030 (DN1200) near Realigned TWSR East (along Roundabout), 50m long & GL	62	0	17-Jun-15 A	31-Aug-15 A
WC-1150	Pipe Laying - CHC 1030 - 1123 (DN1200) near Realigned TWSR East (along Access Road A), 93m long & GL	83	0	03-Mar-15 A	15-Jun-15 A
WC-2000	Pressure Test for CHC	14	14	02-Nov-17	17-Nov-17
WC-3000	Pressure Test for CHC (CHC 890 - 1123)	5	0	22-Feb-16 A	24-Feb-16 A
WC-3010	Cleaning	5	0	11-Mar-16 A	14-Mar-16 A
WC-3020	CCTV Inspection	5	0	15-Mar-16 A	17-Mar-16 A
WC-3030	Water Sampling	5	0	30-Mar-16 A	05-Apr-16 A
WC-3040	Functioning of Newly Laid Pipeline (CHC 890 - 1123)	0	0		06-Apr-16 A
DN1400 Water Mains (CHD)		124	0	21-Jul-14 A	11-Oct-14 A
WD-1000	Pipe Laying - CHD 0 - 60 (DN1400) near Fanling Highway S/B	59	0	21-Jul-14 A	03-Sep-14 A
WD-2000	Pressure Test for CHD	3	0	10-Sep-14 A	12-Sep-14 A
WD-2010	Cleaning & Sterilization	3	0	04-Sep-14 A	09-Sep-14 A
WD-2020	CCTV Inspection	5	0	13-Sep-14 A	19-Sep-14 A
WD-2030	Water Sampling	3	0	20-Sep-14 A	24-Sep-14 A
WD-2040	Connection to Existing Mains	14	0	25-Sep-14 A	11-Oct-14 A
Twin DN1400 Water Mains (CHE & CHG)		934	115	07-Jun-14 A	05-Sep-17
WE-1000	Pipe Laying - CHE & CHG 0 - 45 (Twin DN1400) near FLH S/B (FHW: CH7130-7290)	85	0	09-Jul-14 A	19-Dec-14 A
WE-1010	Pipe Laying - CHE & CHG 45 - 130 (Twin DN1400) near FLH S/B (FHW: CH7290-7380)	90	0	07-Jun-14 A	06-Sep-14 A
WE-1020	Pipe Laying - CHE & CHG 130 - 200 (Twin DN1400) near FLH S/B (FHW: CH7380-7470)	155	0	15-Oct-14 A	12-Mar-15 A
WE-1030	Pipe Laying - CHE & CHG 200 - 210 (Twin DN1400) near crossing TWSRE	30	0	09-Jun-15 A	13-Nov-15 A
WE-1040	Pipe Laying - CHE & CHG 220 - 260 (Twin DN1400) near Pier AA4	26	26	11-May-17	10-Jun-17
WE-1050	Pipe Laying - CHE & CHG 260 - 280 (Twin DN1400) near Pier AD8	26	26	27-Apr-17	29-May-17
WE-1060a	Pipe Laying - CHG 280 - 325 (Twin DN1400) from Portal AB7/AD9/AC12 to combined valve chamber	33	9	09-Mar-17 A	29-Apr-17
WE-1060b	Pipe Laying - CHE 280 - 325 (Twin DN1400) from Portal AB7/AD9/AC12 to combined valve chamber	38	19	06-Apr-17 A	13-May-17
WE-1070	Pipe Laying - CHE & CHG 325 - 380 (Twin DN1400) from combined chamber to new connection point	131	0	12-Dec-16 A	25-Jan-17 A
WE-1080	Construction of combined valve chamber with MBV installation	109	59	25-Jan-17 A	30-Jun-17
WE-2000A	Pressure Test, for CHE (Stage 1 Diversion)	5	0	06-May-15 A	11-May-15 A
WE-2000B	Pressure Test for CHG (Stage 1 Diversion)	5	0	28-Mar-15 A	02-Apr-15 A
WE-2010A	Cleaning & CCTV Inspection for CHE (Stage 1 Diversion)	10	0	12-May-15 A	21-May-15 A
WE-2010B	Cleaning & CCTV Inspection for CHG (Stage 1 Diversion)	10	0	03-Apr-15 A	10-Apr-15 A
WE-2020A	Installation of Connecting Pipe for Connection to Existing Mains (CHE)	10	0	12-May-15 A	20-May-15 A
WE-2020B	Installation of Connecting Pipe for Connection to Existing Mains (CHG)	10	0	04-Apr-15 A	11-Apr-15 A
WE-2030A	Sterilization and Sampling for CHE (Stage 1 Diversion)	3	0	21-May-15 A	23-May-15 A



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俊和建築工程有限公司
CHUN WO CONSTRUCTION & ENGINEERING CO., LTD.

CEDD Contract No. CV/2012/09

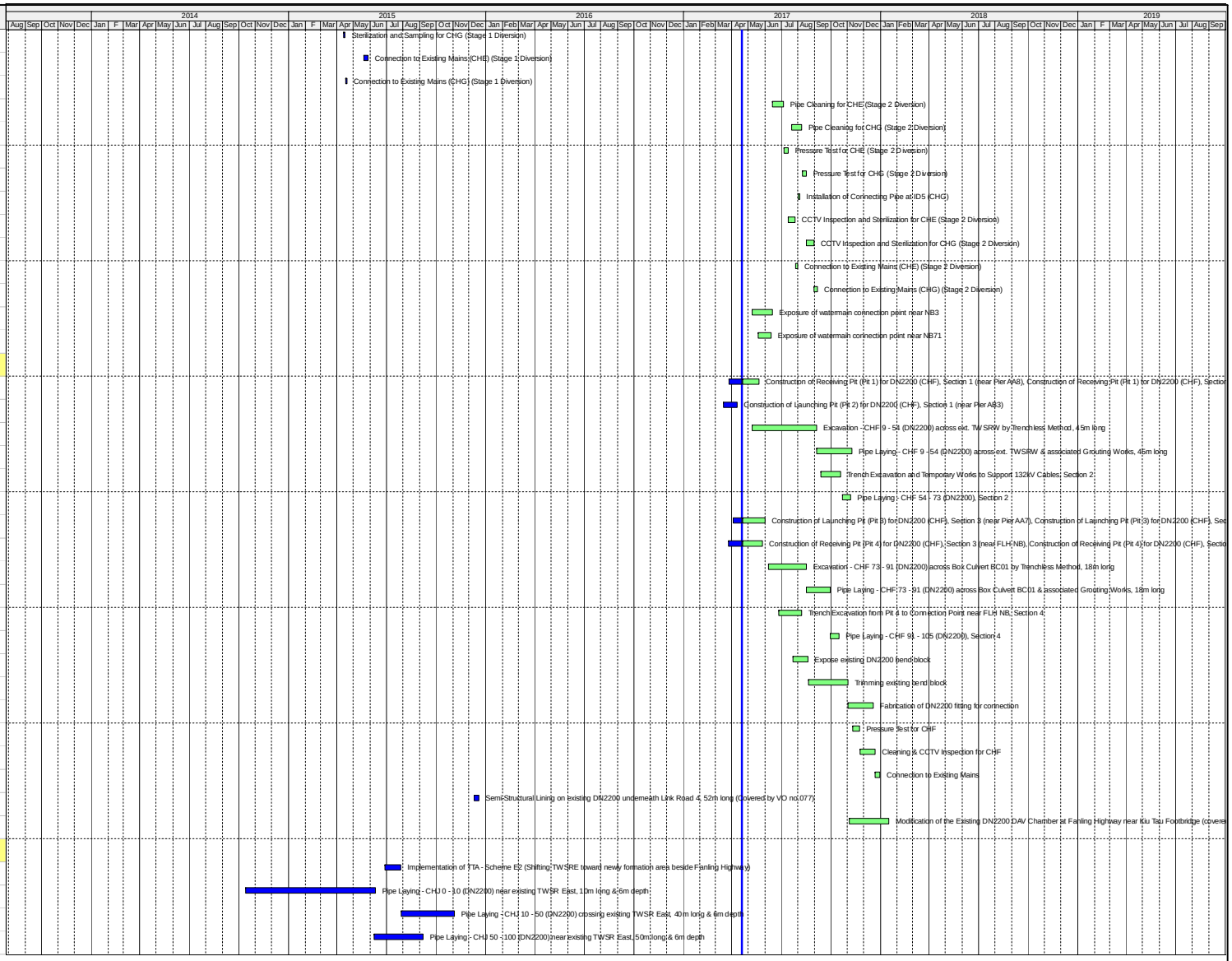
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
WE-2030B	Sterilization and Sampling for CHG (Stage 1 Diversion)	3	0	13-Apr-15 A	15-Apr-15 A
WE-2050A	Connection to Existing Mains (CHE) (Stage 1 Diversion)	6	0	21-May-15 A	27-May-15 A
WE-2050B	Connection to Existing Mains (CHG) (Stage 1 Diversion)	6	0	16-Apr-15 A	18-Apr-15 A
WE-3010A	Pipe Cleaning for CHE (Stage 2 Diversion)	17	17	15-Jun-17	05-Jul-17
WE-3010B	Pipe Cleaning for CHG (Stage 2 Diversion)	17	17	20-Jul-17	08-Aug-17
WE-3020A	Pressure Test for CHE (Stage 2 Diversion)	7	7	06-Jul-17	13-Jul-17
WE-3020B	Pressure Test for CHG (Stage 2 Diversion)	7	7	09-Aug-17	16-Aug-17
WE-3030A	Installation of Connecting Pipe at ID5 (CHG)	4	4	01-Aug-17	04-Aug-17
WE-3040A	CCTV Inspection and Sterilization for CHE (Stage 2 Diversion)	11	11	14-Jul-17	26-Jul-17
WE-3040B	CCTV Inspection and Sterilization for CHG (Stage 2 Diversion)	12	12	17-Aug-17	30-Aug-17
WE-3050A	Connection to Existing Mains (CHE) (Stage 2 Diversion)	4	4	27-Jul-17	31-Jul-17
WE-3050B	Connection to Existing Mains (CHG) (Stage 2 Diversion)	5	5	31-Aug-17	05-Sep-17
WE-4010	Exposure of watermain connection point near NB3	32	32	08-May-17*	14-Jun-17
WE-4020	Exposure of watermain connection point near NB71	20	20	19-May-17	12-Jun-17
DN2200 Water Mains (CHF)		607	223	10-Dec-15 A	16-Jan-18
WF-1000A	Construction of Receiving Pit (Pit 1) for DN2200 (CHF), Section 1 (near Pier AA8)	21	25	27-Mar-17 A	20-May-17
WF-1000B	Construction of Launching Pit (Pit 2) for DN2200 (CHF), Section 1 (near Pier AB3)	33	0	17-Mar-17 A	11-Apr-17 A
WF-1010	Excavation - CHF 9 - 54 (DN2200) across ext. TW SRW by Trenchless Method, 45m long	101	101	08-May-17*	04-Sep-17
WF-1020	Pipe Laying - CHF 9 - 54 (DN2200) across ext. TWSRW & associated Grouting Works, 45m long	54	54	05-Sep-17	09-Nov-17
WF-1030	Trench Excavation and Temporary Works to Support 132kV Cables, Section 2	30	30	12-Sep-17	18-Oct-17
WF-1040	Pipe Laying - CHF 54 - 73 (DN2200), Section 2	12	12	23-Oct-17	06-Nov-17
WF-1050 A	Construction of Launching Pit (Pit 3) for DN2200 (CHF), Section 3 (near Pier AA7)	33	33	03-Apr-17 A	31-May-17
WF-1050 B	Construction of Receiving Pit (Pit 4) for DN2200 (CHF), Section 3 (near FLH NB)	30	30	25-Mar-17 A	26-May-17
WF-1060	Excavation - CHF 73 - 91 (DN2200) across Box Culvert BC01 by Trenchless Method, 18m long	60	60	07-Jun-17	16-Aug-17
WF-1070	Pipe Laying - CHF 73 - 91 (DN2200) across Box Culvert BC01 & associated Grouting Works, 18m long	38	38	17-Aug-17	29-Sep-17
WF-1080	Trench Excavation from Pit 4 to Connection Point near FLH NB, Section 4	36	36	26-Jun-17	07-Aug-17
WF-1090	Pipe Laying - CHF 91 - 105 (DN2200), Section 4	12	12	30-Sep-17	16-Oct-17
WF-1100	Expose existing DN2200 bend block	25	25	22-Jul-17	19-Aug-17
WF-1110	Trimming existing bend block	60	60	21-Aug-17	01-Nov-17
WF-1120	Fabrication of DN2200 fitting for connection	40	40	02-Nov-17	18-Dec-17
WF-2000	Pressure Test for CHF	12	12	10-Nov-17	23-Nov-17
WF-2010	Cleaning & CCTV Inspection for CHF	24	24	24-Nov-17	21-Dec-17
WF-2030	Connection to Existing Mains	6	6	22-Dec-17*	30-Dec-17*
WF-3000	Semi-Structural Lining on existing DN2200 underneath Link Road 4, 52m long (Covered by VO no.077)	25	0	10-Dec-15 A	19-Dec-15 A
WF-4000	Modification of the Existing DN2200 DAV Chamber at Fanling Highway near Kiu Tau Footbridge (covered by VO no.50)	60	60	04-Nov-17	16-Jan-18
DN2300 Water Mains and Leakage Collection System (CHJ & CHKA/CHK)		431	0	20-Jun-14 A	24-Dec-15 A
WJ-1000	Implementation of TTA - Scheme E2 (Shifting TWSRE toward newly formation area beside Fanling Highway)	17	0	29-Jun-15 A	27-Jul-15 A
WJ-1010A	Pipe Laying - CHJ 0 - 10 (DN2200) near existing TWSR East, 10m long & 6m depth	90	0	13-Oct-14 A	10-Jun-15 A
WJ-1010B	Pipe Laying - CHJ 10 - 50 (DN2200) crossing existing TWSR East, 40m long & 6m depth	78	0	28-Jul-15 A	03-Nov-15 A
WJ-1010C	Pipe Laying - CHJ 50 - 100 (DN2200) near existing TWSR East, 50m long & 6m depth	75	0	08-Jun-15 A	07-Sep-15 A



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CEDD Contract No. CV/2012/09

Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

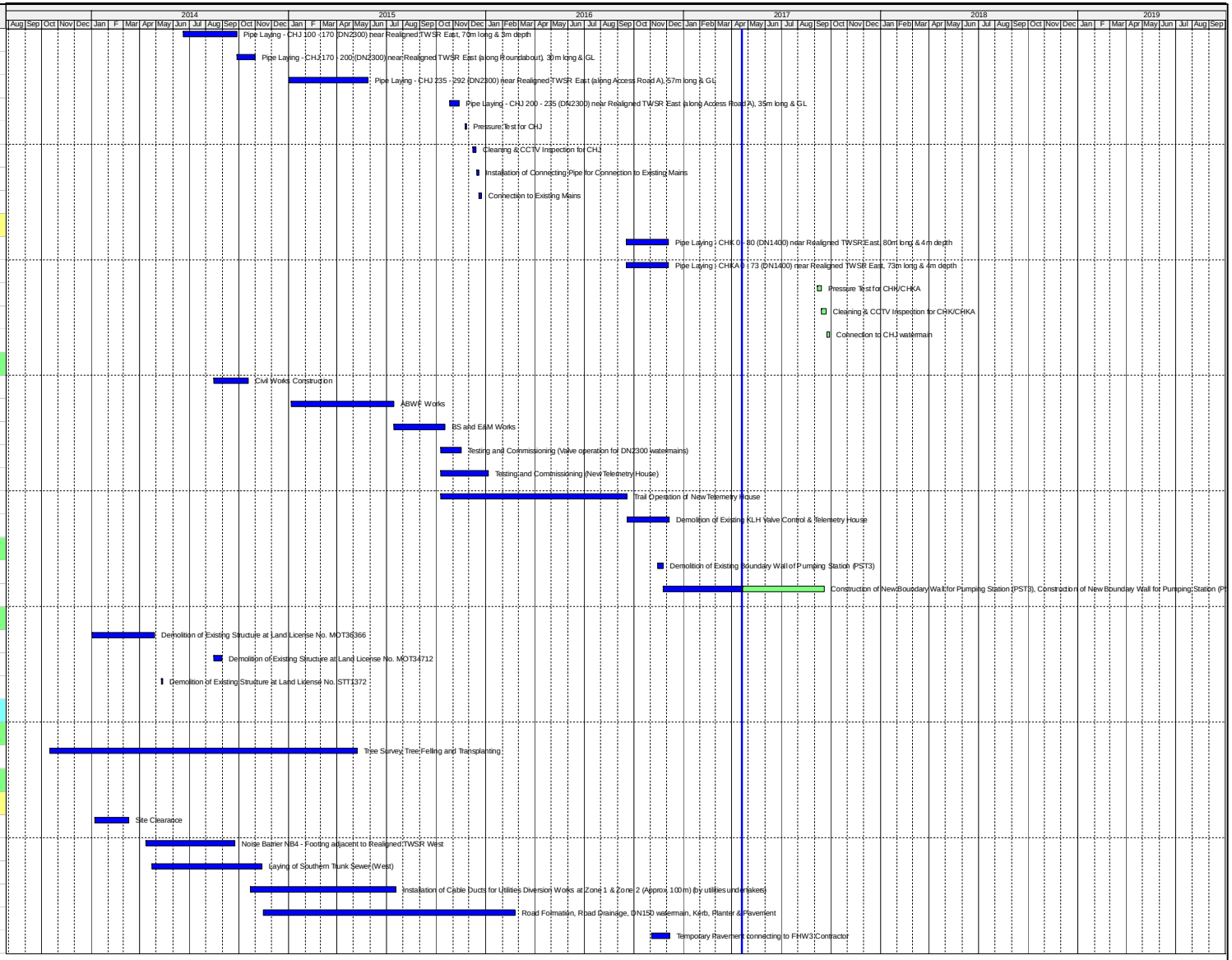
Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

俊和建築工程有限公司
CHUN WO CONSTRUCTION & ENGINEERING CO., LTD.

Activity ID	Activity Name	OD	RD	Start	Finish
WJ-1030	Pipe Laying - CHJ 100 - 170 (DN2300) near Realigned TWSR East, 70m long & 3m depth	75	0	20-Jun-14 A	27-Sep-14 A
WJ-1040	Pipe Laying - CHJ 170 - 200 (DN2300) near Realigned TWSR East (along Roundabout), 30m long & GL	55	0	27-Sep-14 A	31-Oct-14 A
WJ-1050A	Pipe Laying - CHJ 235 - 292 (DN2300) near Realigned TWSR East (along Access Road A), 57m long & GL	68	0	02-Jan-15 A	28-May-15 A
WJ-1050B	Pipe Laying - CHJ 200 - 235 (DN2300) near Realigned TWSR East (along Access Road A), 35m long & GL	14	0	26-Oct-15 A	12-Nov-15 A
WJ-2000	Pressure Test for CHJ	7	0	24-Nov-15 A	26-Nov-15 A
WJ-2010	Cleaning & CCTV Inspection for CHJ	7	0	08-Dec-15 A	14-Dec-15 A
WJ-2020	Installation of Connecting Pipe for Connection to Existing Mains	13	0	15-Dec-15 A	19-Dec-15 A
WJ-2030	Connection to Existing Mains	7	0	19-Dec-15 A	24-Dec-15 A
DN1400 Water Mains (CHK & CHKA)		570	20	17-Sep-16 A	28-Sep-17
WK-1010	Pipe Laying - CHK 0 - 80 (DN1400) near Realigned TWSR East, 80m long & 4m depth	55	0	17-Sep-16 A	05-Dec-16 A
WK-1020	Pipe Laying - CHKA 0 - 73 (DN1400) near Realigned TWSR East, 73m long & 4m depth	90	0	17-Sep-16 A	05-Dec-16 A
WK-2010	Pressure Test for CHK/CHKA	7	7	06-Sep-17	13-Sep-17
WK-2020	Cleaning & CCTV Inspection for CHK/CHKA	8	8	14-Sep-17	22-Sep-17
WK-2030	Connection to CHJ watermain	5	5	23-Sep-17	28-Sep-17
Kau Lung Hang Valve Control & Telemetry House Reprovision		690	0	15-Aug-14 A	06-Dec-16 A
VCTH-1000	Civil Works Construction	75	0	15-Aug-14 A	18-Oct-14 A
VCTH-1010	ABWF Works	70	0	06-Jan-15 A	14-Jul-15 A
VCTH-1020	BS and E&M Works	30	0	15-Jul-15 A	17-Oct-15 A
VCTH-1030	Testing and Commissioning (Valve operation for DN2300 watermains)	30	0	10-Oct-15 A	16-Nov-15 A
VCTH-1040	Testing and Commissioning (New Telemetry House)	60	0	10-Oct-15 A	06-Jan-16 A
VCTH-1050	Trail Operation of New Telemetry House	90	0	10-Oct-15 A	18-Sep-16 A
VCTH-1060	Demolition of Existing KLH Valve Control & Telemetry House	75	0	19-Sep-16 A	06-Dec-16 A
Existing Nam Wa Po Trunk Sewage Pumping Station (PST3)		130	126	15-Nov-16 A	18-Sep-17
PS-1000	Demolition of Existing Boundary Wall of Pumping Station (PST3)	50	0	15-Nov-16 A	24-Nov-16 A
PS-1010	Construction of New Boundary Wall for Pumping Station (PST3)	80	126	25-Nov-16 A	18-Sep-17
Demolition of Existing Structures		97	0	02-Jan-14 A	30-Aug-14 A
DE-1000	Demolition of Existing Structure at Land License No. MOT36366	20	0	02-Jan-14 A	28-Apr-14 A
DE-1010	Demolition of Existing Structure at Land License No. MOT34712	20	0	15-Aug-14 A	30-Aug-14 A
DE-1020	Demolition of Existing Structure at Land License No. STT1372	3	0	10-May-14 A	13-May-14 A
Stage 1A - Realignment of Tai Wo Service Road West (KD-7)		1564	542	15-Oct-13 A	22-Feb-19
Preliminary Works		81	0	16-Oct-13 A	08-May-15 A
TWSRW-1100	Tree Survey, Tree Felling and Transplanting	81	0	16-Oct-13 A	08-May-15 A
TWSRW Zone 1 betweeen CH100 and CH155		872	0	07-Jan-14 A	20-Feb-17 A
At-Grade Roadworks		872	0	07-Jan-14 A	20-Feb-17 A
TWSRW-1110	Site Clearance	35	0	07-Jan-14 A	11-Mar-14 A
TWSRW-1120	Noise Barrier NB4 - Footing adjacent to Realigned TWSR West	85	0	12-Apr-14 A	23-Sep-14 A
TWSRW-1130	Laying of Southern Trunk Sewer (West)	95	0	23-Apr-14 A	12-Nov-14 A
TWSRW-1140	Installation of Cable Ducts for Utilities Diversion Works at Zone 1 & Zone 2 (Approx. 100m) (by utilities undertakers)	167	0	22-Oct-14 A	18-Jul-15 A
TWSRW-1150	Road Formation, Road Drainage, DN150 watermain, Kerb, Planter & Pavement	286	0	15-Nov-14 A	23-Feb-16 A
TWSRW-1160	Temporary Pavement connecting to FHW3 Contractor	28	0	03-Nov-16 A	07-Dec-16 A



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CEDD Contract No. CV/2012/09

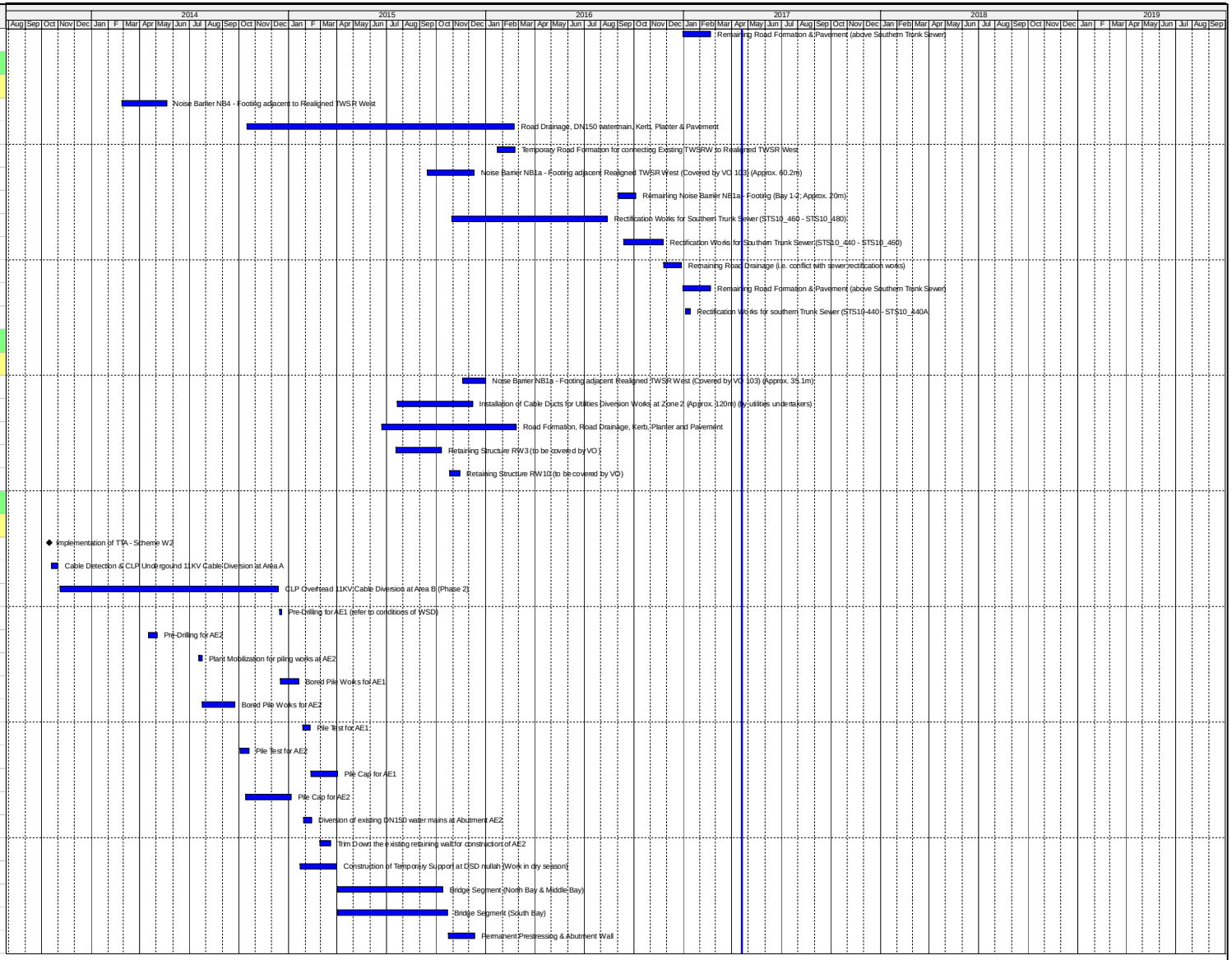
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
TWSRW-1170	Remaining Road Formation & Pavement (above Southern Trunk Sewer)	30	0	31-Dec-16 A	20-Feb-17 A
TWSRW Zone 2 between CH155 and CH280		865	0	26-Feb-14 A	20-Feb-17 A
At-Grade Roadworks		865	0	26-Feb-14 A	20-Feb-17 A
TWSRW-2110	Noise Barrier NB4 - Footing adjacent to Realigned TWSR West	85	0	26-Feb-14 A	20-May-14 A
TWSRW-2120A	Road Drainage, DN150 watermain, Kerb, Planter & Pavement	165	0	16-Oct-14 A	22-Feb-16 A
TWSRW-2120B	Temporary Road Formation for connecting Existing TWSRW to Realigned TWSR West	18	0	22-Jan-16 A	24-Feb-16 A
TWSRW-2130A	Noise Barrier NB1a - Footing adjacent Realigned TWSR West (Covered by VO 103) (Approx. 60.2m)	85	0	14-Sep-15 A	10-Dec-15 A
TWSRW-2130B	Remaining Noise Barrier NB1a - Footing (Bay 1-2; Approx. 20m)	50	0	02-Sep-16 A	05-Oct-16 A
TWSRW-2140	Rectification Works for Southern Trunk Sewer (STS10_460 - STS10_480)	120	0	30-Oct-15 A	13-Aug-16 A
TWSRW-2150	Rectification Works for Southern Trunk Sewer (STS10_440 - STS10_460)	58	0	12-Sep-16 A	25-Nov-16 A
TWSRW-2160A	Remaining Road Drainage (i.e. conflict with sewer rectification works)	25	0	26-Nov-16 A	29-Dec-16 A
TWSRW-2160B	Remaining Road Formation & Pavement (above Southern Trunk Sewer)	30	0	31-Dec-16 A	20-Feb-17 A
TWSRW-2170	Rectification Works for southern Trunk Sewer (STS10-440 - STS10_440A	5	0	05-Jan-17 A	14-Jan-17 A
TWSRW Zone 3 between CH280 and CH315		181	0	22-Jun-15 A	26-Feb-16 A
At-Grade Roadworks		181	0	22-Jun-15 A	26-Feb-16 A
TWSRW-3100	Noise Barrier NB1a - Footing adjacent Realigned TWSR West (Covered by VO 103) (Approx. 35.1m)	26	0	19-Nov-15 A	31-Dec-15 A
TWSRW-3110	Installation of Cable Ducts for Utilities Diversion Works at Zone 2 (Approx. 120m) (by utilities undertakers)	111	0	21-Jul-15 A	07-Dec-15 A
TWSRW-3120	Road Formation, Road Drainage, Kerb, Planter and Pavement	181	0	22-Jun-15 A	26-Feb-16 A
TWSRW-3130	Retaining Structure RW3 (to be covered by VO)	85	0	18-Jul-15 A	10-Oct-15 A
TWSRW-3140	Retaining Structure RW10 (to be covered by VO)	24	0	26-Oct-15 A	14-Nov-15 A
TWSRW Zone 4 between CH315 and CH376		1024	27	15-Oct-13 A	23-May-17
Construction of Bridge E		1024	27	15-Oct-13 A	23-May-17
TWSRW-4000	Implementation of TTA - Scheme W2	0	0	15-Oct-13 A	
TWSRW-4000A	Cable Detection & CLP Underground 11KV Cable Diversion at Area A	10	0	19-Oct-13 A	31-Oct-13 A
TWSRW-4000B	CLP Overhead 11KV Cable Diversion at Area B (Phase 2)	140	0	04-Nov-13 A	12-Dec-14 A
TWSRW-4010A	Pre-Drilling for AE1 (refer to conditions of WSD)	15	0	15-Dec-14 A	19-Dec-14 A
TWSRW-4010B	Pre-Drilling for AE2	12	0	17-Apr-14 A	02-May-14 A
TWSRW-4020A	Plant Mobilization for piling works at AE2	2	0	19-Jul-14 A	24-Jul-14 A
TWSRW-4030A	Bored Pile Works for AE1	63	0	17-Dec-14 A	19-Jan-15 A
TWSRW-4030B	Bored Pile Works for AE2	60	0	25-Jul-14 A	23-Sep-14 A
TWSRW-4040A	Pile Test for AE1	7	0	27-Jan-15 A	10-Feb-15 A
TWSRW-4040B	Pile Test for AE2	7	0	03-Oct-14 A	20-Oct-14 A
TWSRW-4050A	Pile Cap for AE1	55	0	11-Feb-15 A	01-Apr-15 A
TWSRW-4050B	Pile Cap for AE2	55	0	13-Oct-14 A	06-Jan-15 A
TWSRW-4050C	Diversion of existing DN150 water mains at Abutment AE2	5	0	29-Jan-15 A	12-Feb-15 A
TWSRW-4050D	Trim Down the existing retaining wall for construction of AE2	29	0	28-Feb-15 A	19-Mar-15 A
TWSRW-4060	Construction of Temporary Support at DSD nullah (Work in dry season)	55	0	22-Jan-15 A	31-Mar-15 A
TWSRW-4070	Bridge Segment (North Bay & Middle Bay)	80	0	01-Apr-15 A	13-Oct-15 A
TWSRW-4080	Bridge Segment (South Bay)	80	0	01-Apr-15 A	22-Oct-15 A
TWSRW-4090	Permanent Prestressing & Abutment Wall	28	0	23-Oct-15 A	11-Dec-15 A



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CEDD Contract No. CV/2012/09

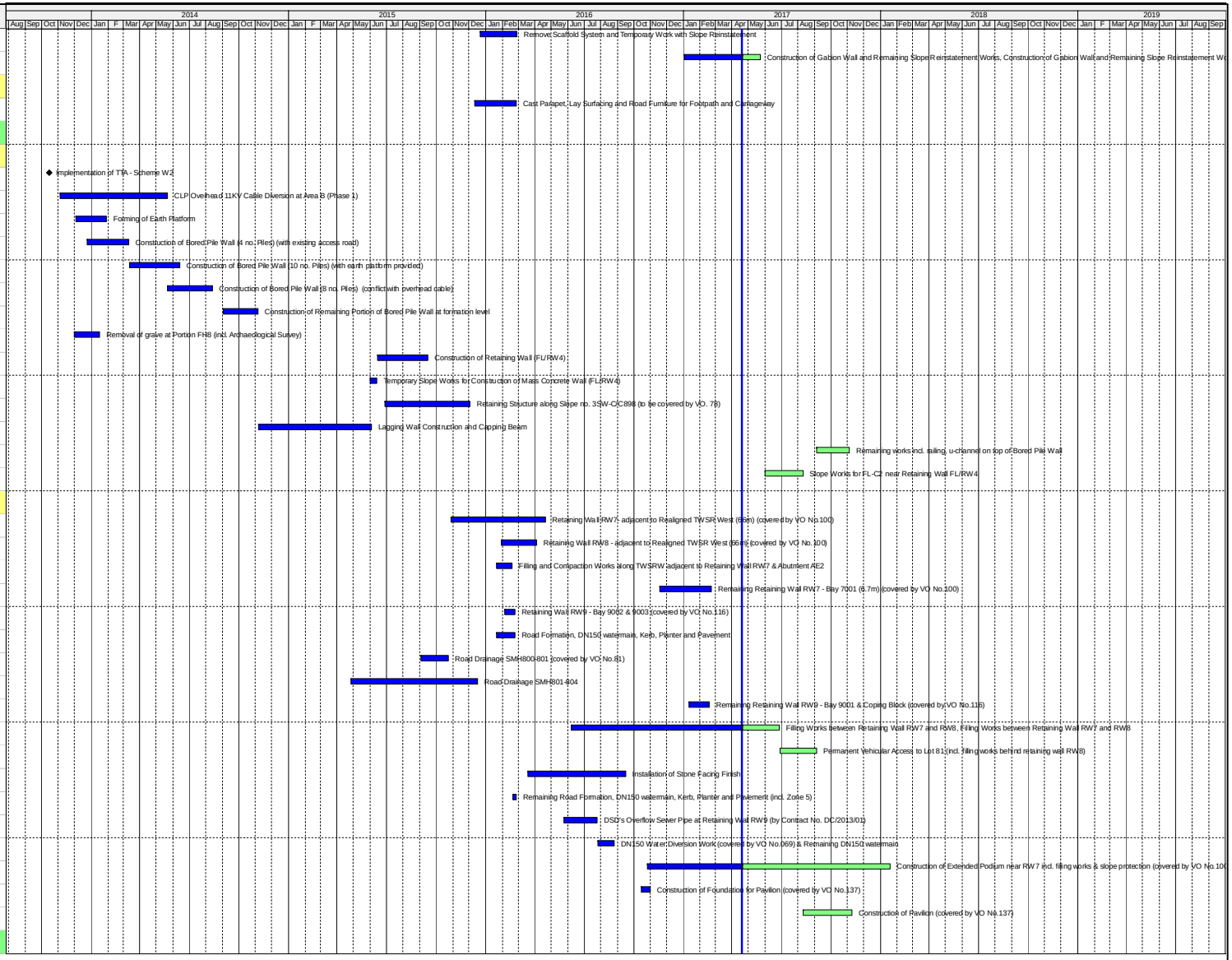
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
TWSRW-4100A	Remove Scaffold System and Temporary Work with Slope Reinstatement	75	0	21-Dec-15 A	27-Feb-16 A
TWSRW-4100C	Construction of Gabion Wall and Remaining Slope Reinstatement Works	68	27	03-Jan-17 A	23-May-17
At-Grade Roadworks		35	0	12-Dec-15 A	26-Feb-16 A
TWSRW-4200	Cast Parapet, Lay Surfacing and Road Furniture for Footpath and Carriageway	35	0	12-Dec-15 A	26-Feb-16 A
TWSRW Zone 5 between CH376 and CH520		1190	225	15-Oct-13 A	18-Jan-18
Construction of Retaining Structures		1186	131	15-Oct-13 A	04-Nov-17
TWSRW-5000	Implementation of TTA - Scheme W2	0	0	15-Oct-13 A	
TWSRW-5030	CLP Overhead 11KV Cable Diversion at Area B (Phase 1)	140	0	04-Nov-13 A	21-May-14 A
TWSRW-5040	Forming of Earth Platform	40	0	03-Dec-13 A	28-Jan-14 A
TWSRW-5050A	Construction of Bored Pile Wall (4 no. Piles) (with existing access road)	48	0	24-Dec-13 A	11-Mar-14 A
TWSRW-5050B	Construction of Bored Pile Wall (10 no. Piles) (with earth platform provided)	80	0	12-Mar-14 A	13-Jun-14 A
TWSRW-5050C	Construction of Bored Pile Wall (8 no. Piles) (conflict with overhead cable)	94	0	22-May-14 A	13-Aug-14 A
TWSRW-5050D	Construction of Remaining Portion of Bored Pile Wall at formation level	85	0	02-Sep-14 A	05-Nov-14 A
TWSRW-5060	Removal of grave at Portion FH8 (incl. Archaeological Survey)	25	0	30-Nov-13 A	16-Jan-14 A
TWSRW-5070	Construction of Retaining Wall (FL/RW4)	70	0	15-Jun-15 A	15-Sep-15 A
TWSRW-5070a	Temporary Slope Works for Construction of Mass Concrete Wall (FL/RW4)	14	0	01-Jun-15 A	13-Jun-15 A
TWSRW-5080	Retaining Structure along Slope no. 3SW-C/C898 (to be covered by VO. 78)	50	0	29-Jun-15 A	03-Dec-15 A
TWSRW-5090	Lagging Wall Construction and Capping Beam	160	0	06-Nov-14 A	03-Jun-15 A
TWSRW-5120	Remaining works incl. railing, u-channel on top of Bored Pile Wall	50	50	05-Sep-17	04-Nov-17
TWSRW-5150	Slope Works for FL-C2 near Retaining Wall FL/RW4	60	60	01-Jun-17	10-Aug-17
At-Grade Roadworks		670	225	27-Apr-15 A	18-Jan-18
TWSRW-5100	Retaining Wall RW7- adjacent to Realigned TWSR West (66m) (covered by VO No.100)	70	0	29-Oct-15 A	20-Apr-16 A
TWSRW-5100A	Retaining Wall RW8 - adjacent to Realigned TWSR West (66m) (covered by VO No.100)	50	0	29-Jan-16 A	04-Apr-16 A
TWSRW-5100B	Filling and Compaction Works along TWSRW adjacent to Retaining Wall RW7 & Abutment AE2	12	0	21-Jan-16 A	19-Feb-16 A
TWSRW-5100C	Remaining Retaining Wall RW7 - Bay 7001 (6.7m) (covered by VO No.100)	30	0	18-Nov-16 A	22-Feb-17 A
TWSRW-5110	Retaining Wall RW9 - Bay 9002 & 9003 (covered by VO No.116)	45	0	05-Feb-16 A	24-Feb-16 A
TWSRW-5110A	Road Formation, DN150 watermain, Kerb, Planter and Pavement	19	0	21-Jan-16 A	23-Feb-16 A
TWSRW-5110B	Road Drainage SMH800-801 (covered by VO No.81)	36	0	03-Sep-15 A	23-Oct-15 A
TWSRW-5110C	Road Drainage SMH801-804	80	0	27-Apr-15 A	16-Dec-15 A
TWSRW-5110D	Remaining Retaining Wall RW9 - Bay 9001 & Coping Block (covered by VO No.116)	55	0	11-Jan-17 A	18-Feb-17 A
TWSRW-5120A	Filling Works between Retaining Wall RW7 and RW8	192	56	07-Jun-16 A	27-Jun-17
TWSRW-5120B	Permanent Vehicular Access to Lot 81 (incl. filling works behind retaining wall RW8)	58	58	28-Jun-17	04-Sep-17
TWSRW-5130	Installation of Stone Facing Finish	75	0	19-Mar-16 A	15-Sep-16 A
TWSRW-5140	Remaining Road Formation, DN150 watermain, Kerb, Planter and Pavement (incl. Zone 5)	24	0	20-Feb-16 A	26-Feb-16 A
TWSRW-5150A	DSD's Overflow Sewer Pipe at Retaining Wall RW9 (by Contract No. DC/2013/01)	26	0	25-May-16 A	25-Jul-16 A
TWSRW-5150B	DN150 Water Diversion Work (covered by VO No.069) & Remaining DN150 watermain	26	0	26-Jul-16 A	25-Aug-16 A
TWSRW-5160	Construction of Extended Podium near RW7 incl. filling works & slope protection (covered by VO No.100)	85	225	27-Oct-16 A	18-Jan-18
TWSRW-5170a	Construction of Foundation for Pavilion (covered by VO No.137)	5	0	15-Oct-16 A	31-Oct-16 A
TWSRW-5170b	Construction of Pavilion (covered by VO No.137)	75	75	11-Aug-17	09-Nov-17
TWSRW Zone 6 between CH520 and CH530		1160	45	07-Jan-14 A	06-Mar-18



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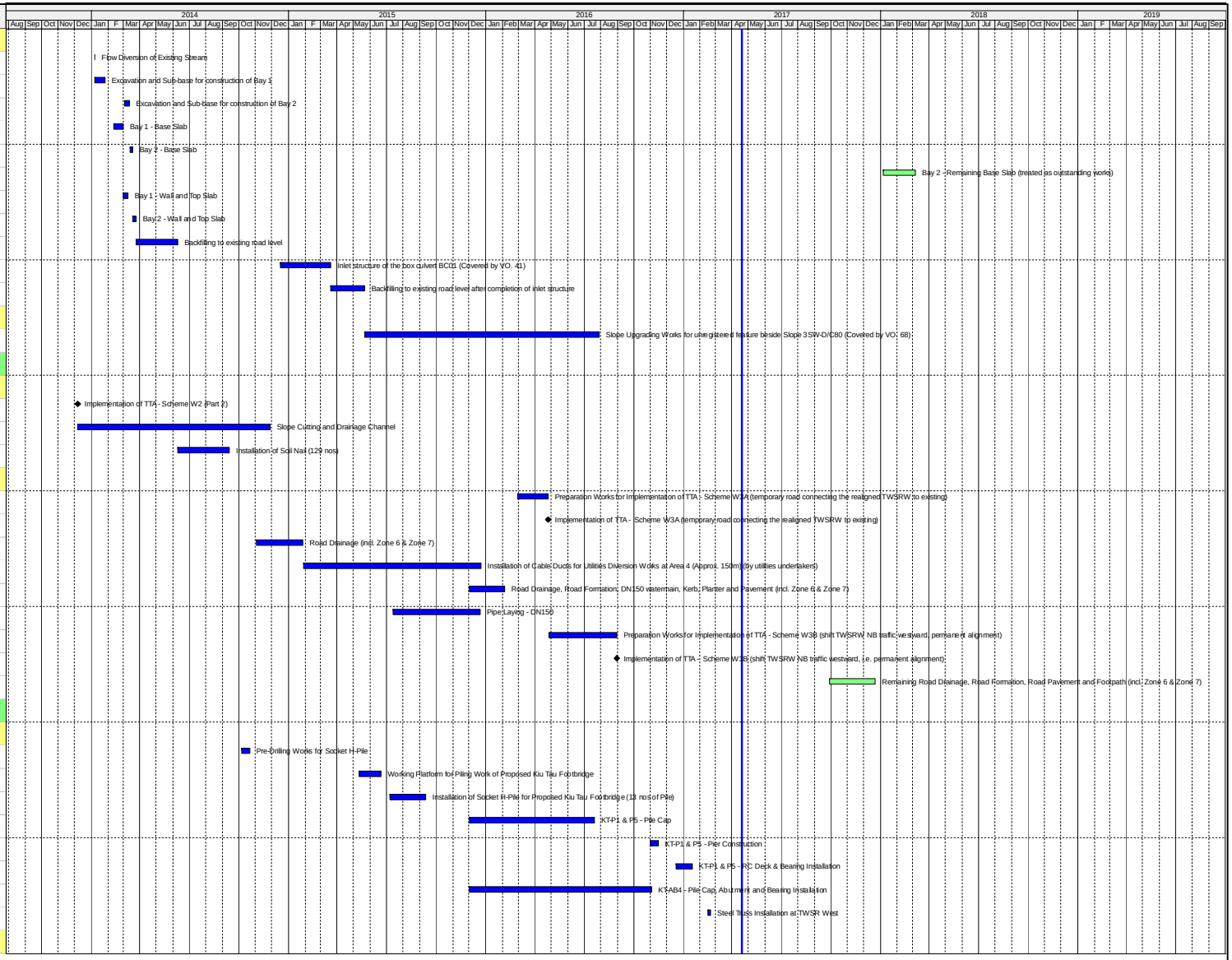
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
Box Culvert Extension - BC01		1160	45	07-Jan-14 A	06-Mar-18
TWSRW-6000	Flow Diversion of Existing Stream	4	0	07-Jan-14 A	07-Jan-14 A
TWSRW-6010A	Excavation and Sub-base for construction of Bay 1	5	0	07-Jan-14 A	25-Jan-14 A
TWSRW-6010B	Excavation and Sub-base for construction of Bay 2	18	0	04-Mar-14 A	12-Mar-14 A
TWSRW-6020	Bay 1 - Base Slab	14	0	11-Feb-14 A	28-Feb-14 A
TWSRW-6030	Bay 2 - Base Slab	14	0	13-Mar-14 A	18-Mar-14 A
TWSRW-6030B	Bay 2 - Remaining Base Slab (treated as outstanding works)	45	45	06-Jan-18*	06-Mar-18*
TWSRW-6040	Bay 1 - Wall and Top Slab	18	0	01-Mar-14 A	10-Mar-14 A
TWSRW-6050	Bay 2 - Wall and Top Slab	11	0	19-Mar-14 A	25-Mar-14 A
TWSRW-6060	Backfilling to existing road level	55	0	25-Mar-14 A	09-Jun-14 A
TWSRW-6070	Inlet structure of the box culvert BC01 (Covered by VO. 41)	70	0	17-Dec-14 A	19-Mar-15 A
TWSRW-6080	Backfilling to existing road level after completion of inlet structure	72	0	20-Mar-15 A	21-May-15 A
At-Grade Roadworks		90	0	22-May-15 A	28-Jul-16 A
TWSRW-6110	Slope Upgrading Works for unregistered feature beside Slope 3SW-D/C80 (Covered by VO. 68)	90	0	22-May-15 A	28-Jul-16 A
TWSRW Zone 7 betweeen CH530 and CH640		1130	70	06-Dec-13 A	22-Dec-17
Construction of Retaining Structures		235	0	06-Dec-13 A	27-Nov-14 A
TWSRW-7000	Implementation of TTA - Scheme W2 (Part 2)	0	0	06-Dec-13 A	
TWSRW-7010	Slope Cutting and Drainage Channel	235	0	06-Dec-13 A	27-Nov-14 A
TWSRW-7020	Installation of Soil Nail (129 nos)	40	0	10-Jun-14 A	13-Sep-14 A
At-Grade Roadworks		833	70	03-Nov-14 A	22-Dec-17
TWSRW-7100	Preparation Works for Implementation of TTA - Scheme W3A (temporary road connecting the realigned TWSRW to existing)	45	0	29-Feb-16 A	25-Apr-16 A
TWSRW-7110	Implementation of TTA - Scheme W3A (temporary road connecting the realigned TWSRW to existing)	0	0	26-Apr-16 A	
TWSRW-7130	Road Drainage (incl. Zone 6 & Zone 7)	80	0	03-Nov-14 A	27-Jan-15 A
TWSRW-7140	Installation of Cable Ducts for Utilities Diversion Works at Area 4 (Approx. 150m) (by utilities undertakers)	233	0	28-Jan-15 A	23-Dec-15 A
TWSRW-7150	Road Drainage, Road Formation, DN150 watermain, Kerb, Planter and Pavement (incl. Zone 6 & Zone 7)	49	0	01-Dec-15 A	04-Feb-16 A
TWSRW-7160	Pipe Laying - DN150	70	0	13-Jul-15 A	21-Dec-15 A
TWSRW-7170	Preparation Works for Implementation of TTA - Scheme W3B (shift TWSRW NB traffic westward, permanent alignment)	90	0	27-Apr-16 A	30-Aug-16 A
TWSRW-7180	Implementation of TTA - Scheme W3B (shift TWSRW NB traffic westward, i.e. permanent alignment)	0	0	31-Aug-16 A	
TWSRW-7190	Remaining Road Drainage, Road Formation, Road Pavement and Footpath (incl. Zone 6 & Zone 7)	70	70	29-Sep-17	22-Dec-17
TWSRW Zone 8 betweeen CH640 and CH695		800	103	06-Oct-14 A	02-Feb-18
Kiu Tau Footbridge Reprovision (West)		527	0	06-Oct-14 A	20-Feb-17 A
TWSRW-8000	Pre-Drilling Works for Socket H-Pile	7	0	06-Oct-14 A	21-Oct-14 A
TWSRW-8010A	Working Platform for Piling Work of Proposed Kiu Tau Footbridge	24	0	11-May-15 A	20-Jun-15 A
TWSRW-8010B	Installation of Socket H-Pile for Proposed Kiu Tau Footbridge (13 nos of Pile)	75	0	07-Jul-15 A	11-Sep-15 A
TWSRW-8020A	KT-P1 & P5 - Pile Cap	85	0	02-Dec-15 A	20-Jul-16 A
TWSRW-8020A10	KT-P1 & P5 - Pier Construction	28	0	01-Nov-16 A	16-Nov-16 A
TWSRW-8020A20	KT-P1 & P5 - RC Deck & Bearing Installation	30	0	19-Dec-16 A	18-Jan-17 A
TWSRW-8030	KT-AB4 - Pile Cap, Abutment and Bearing Installation	36	0	02-Dec-15 A	03-Nov-16 A
TWSRW-8040	Steel Truss Installation at TWSR West	4	0	16-Feb-17 A	20-Feb-17 A
At-Grade Roadworks		598	103	21-Dec-15 A	02-Feb-18



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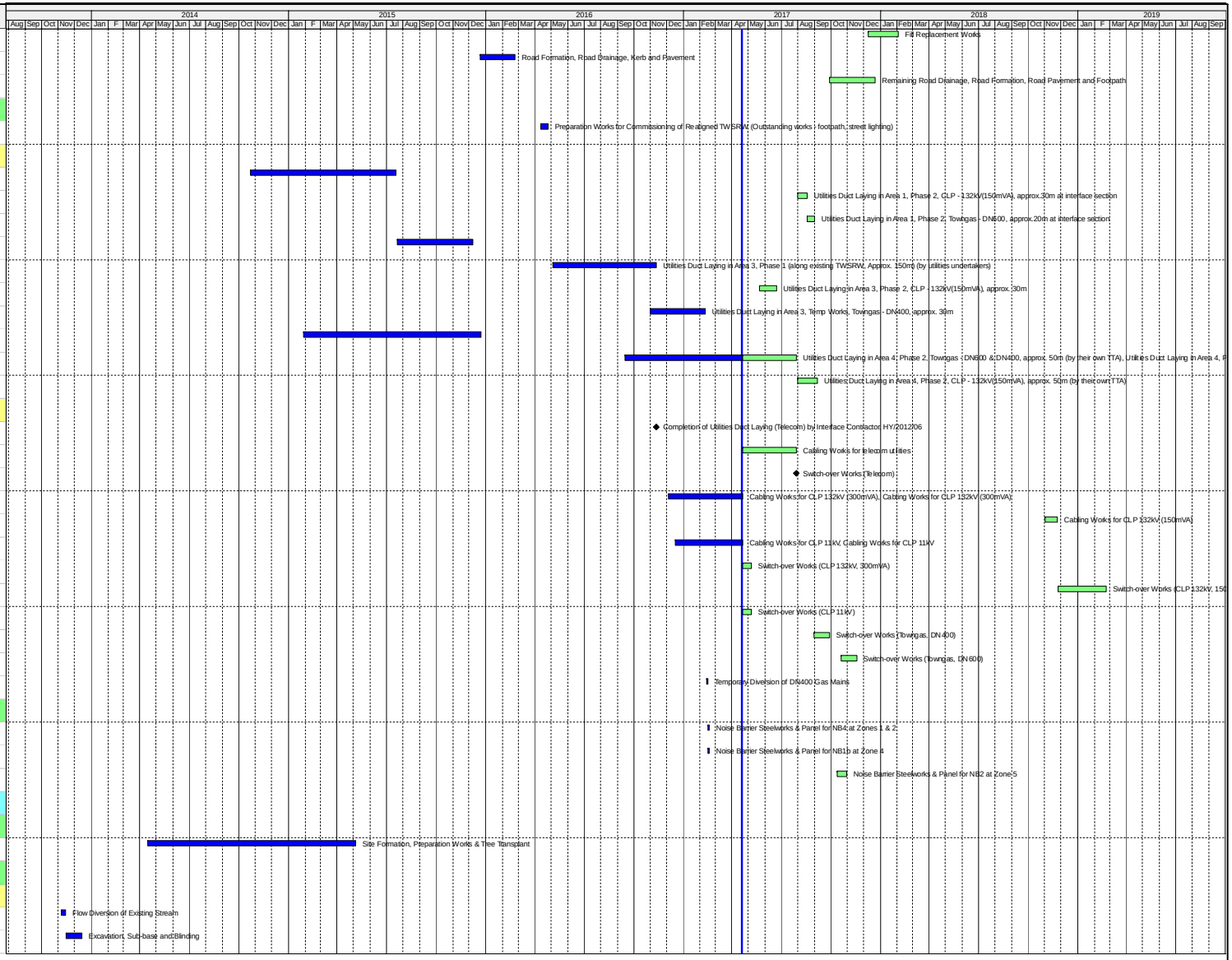
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
TWSRW-8100	Fill Replacement Works	45	45	09-Dec-17	02-Feb-18
TWSRW-8120A	Road Formation, Road Drainage, Kerb and Pavement	22	0	21-Dec-15 A	23-Feb-16 A
TWSRW-8120B	Remaining Road Drainage, Road Formation, Road Pavement and Footpath	70	70	29-Sep-17	22-Dec-17
Remainder of the Works		1190	542	22-Oct-14 A	22-Feb-19
TWSRW-9010	Preparation Works for Commissioning of Realigned TWSRW (Outstanding works - footpath, street lighting)	12	0	11-Apr-16 A	25-Apr-16 A
Utilities Laying Works		764	116	22-Oct-14 A	06-Sep-17
UU-1010*	Utilities Duct Laying in Area 1, Phase 1 (along Re-aligned TWSRW CH100 - CH280)	167	0	22-Oct-14 A	18-Jul-15 A
UU-1010A	Utilities Duct Laying in Area 1, Phase 2, CLP - 132kV(150mVA), approx.30m at interface section	16	16	31-Jul-17	17-Aug-17
UU-1010B	Utilities Duct Laying in Area 1, Phase 2, Towngas - DN600, approx.20m at interface section	13	13	18-Aug-17	01-Sep-17
UU-1020*	Utilities Duct Laying in Area 2 (along Re-aligned TWSRW CH 280 - CH315)	111	0	21-Jul-15 A	07-Dec-15 A
UU-1030	Utilities Duct Laying in Area 3, Phase 1 (along existing TWSRW, Approx. 150m) (by utilities undertakers)	105	0	04-May-16 A	12-Nov-16 A
UU-1030A	Utilities Duct Laying in Area 3, Phase 2, CLP - 132kV(150mVA), approx. 30m	27	27	22-May-17	22-Jun-17
UU-1030B	Utilities Duct Laying in Area 3, Temp Works, Towngas - DN400, approx. 30m	25	0	01-Nov-16 A	10-Feb-17 A
UU-1040*	Utilities Duct Laying in Area 4, Phase 1 (along Re-aligned TWSRW CH530 - CH640)	233	0	28-Jan-15 A	23-Dec-15 A
UU-1040A	Utilities Duct Laying in Area 4, Phase 2, Towngas - DN600 & DN400, approx. 50m (by their own TTA)	121	83	15-Sep-16 A	29-Jul-17
UU-1040B	Utilities Duct Laying in Area 4, Phase 2, CLP - 132kV(150mVA), approx. 50m (by their own TTA)	33	33	31-Jul-17	06-Sep-17
Switch-Over of Existing Utilitiess		658	542	12-Nov-16 A	22-Feb-19
UU-SO-1000	Completion of Utilities Duct Laying (Telecom) by Interface Contractor, HY/2012/06	0	0		12-Nov-16 A
UU-SO-1010	Cabling Works for telecom utilities	101	101	20-Apr-17*	29-Jul-17
UU-SO-1500	Switch-over Works (Telecom)	0	0		29-Jul-17
UU-SO-2000	Cabling Works for CLP 132kV (300mVA)	21	1	05-Dec-16 A	20-Apr-17
UU-SO-2010	Cabling Works for CLP 132kV (150mVA)	21	21	01-Nov-18*	24-Nov-18
UU-SO-2020	Cabling Works for CLP 11kV	21	1	17-Dec-16 A	20-Apr-17
UU-SO-2500	Switch-over Works (CLP 132kV, 300mVA)	16	16	21-Apr-17*	06-May-17
UU-SO-2510	Switch-over Works (CLP 132kV, 150mVA)	90	90	25-Nov-18*	22-Feb-19
UU-SO-2520	Switch-over Works (CLP 11kV)	16	16	21-Apr-17*	06-May-17
UU-SO-3500	Switch-over Works (Towngas, DN400)	30	30	30-Aug-17*	28-Sep-17
UU-SO-3510	Switch-over Works (Towngas, DN600)	30	30	20-Oct-17	18-Nov-17*
UU-SO-3520	Temporary Diversion of DN400 Gas Mains	0	0	13-Feb-17 A	16-Feb-17 A
Remaining Works for Noise Barrier along realigned TWSR West		198	15	15-Feb-17 A	30-Oct-17
TWSRW-NB-110	Noise Barrier Steelworks & Panel for NB4 at Zones 1 & 2	4	0	15-Feb-17 A	18-Feb-17 A
TWSRW-NB-130	Noise Barrier Steelworks & Panel for NB1b at Zone 4	4	0	15-Feb-17 A	18-Feb-17 A
TWSRW-NB-140	Noise Barrier Steelworks & Panel for NB2 at Zone 5	15	15	12-Oct-17	30-Oct-17
Stage N4A & N4B - Realignment of Tai Wo Service Road East (KD-13 & KD-14)		1141	135	07-Nov-13 A	28-Sep-17
Preliminary Works		65	0	15-Apr-14 A	05-May-15 A
TWSRE-4000	Site Formation, Preparation Works & Tree Transplant	65	0	15-Apr-14 A	05-May-15 A
TWSRE Zone 1 between CH100 and CH270		1141	125	07-Nov-13 A	16-Sep-17
Box Culvert Extension - BC02		111	0	07-Nov-13 A	29-Jan-14 A
TWSRE-1000	Flow Diversion of Existing Stream	7	0	07-Nov-13 A	14-Nov-13 A
TWSRE-1010	Excavation, Sub-base and Blinding	40	0	15-Nov-13 A	14-Dec-13 A



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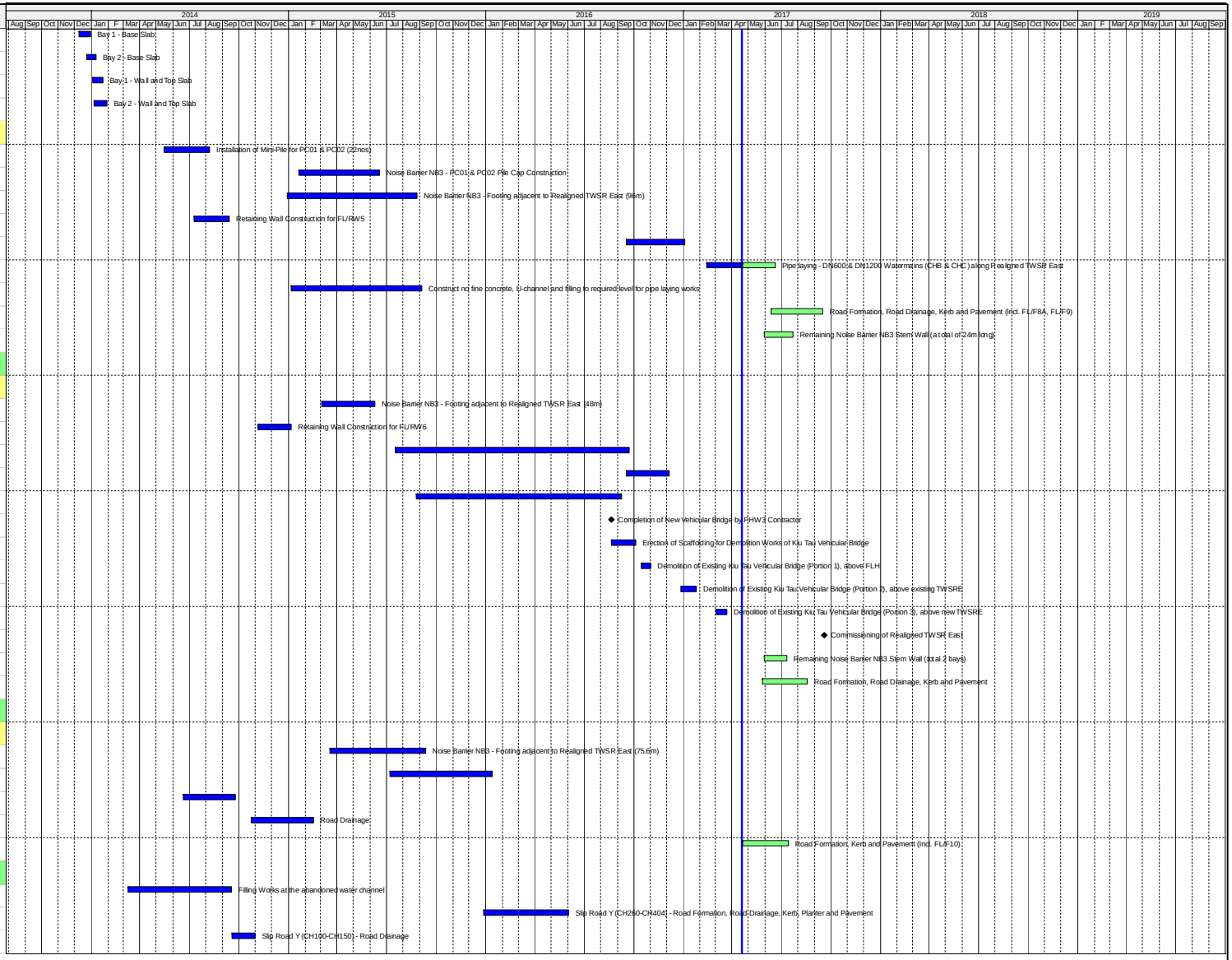
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
TWSRE-1020	Bay 1 - Base Slab	21	0	09-Dec-13 A	30-Dec-13 A
TWSRE-1030	Bay 2 - Base Slab	21	0	23-Dec-13 A	09-Jan-14 A
TWSRE-1040	Bay 1 - Wall and Top Slab	35	0	03-Jan-14 A	22-Jan-14 A
TWSRE-1050	Bay 2 - Wall and Top Slab	35	0	06-Jan-14 A	29-Jan-14 A
At-Grade Roadworks		1001	125	16-May-14 A	16-Sep-17
TWSRE-1100	Installation of Mini-Pile for PC01 & PC02 (22nos)	66	0	16-May-14 A	07-Aug-14 A
TWSRE-1110	Noise Barrier NB3 - PC01 & PC02 Pile Cap Construction	55	0	19-Jan-15 A	18-Jun-15 A
TWSRE-1120	Noise Barrier NB3 - Footing adjacent to Realigned TWSR East (96m)	110	0	29-Dec-14 A	26-Aug-15 A
TWSRE-1130	Retaining Wall Construction for FL/RW5	45	0	10-Jul-14 A	13-Sep-14 A
TWSRE-1140A*	Pipe laying - DN1400 Watermains (CHKA) along Realigned TWSR East	90	0	17-Sep-16 A	03-Jan-17 A
TWSRE-1140B*	Pipe laying - DN600 & DN1200 Watermains (CHB & CHC) along Realigned TWSR East	145	49	13-Feb-17 A	19-Jun-17
TWSRE-1150	Construct no fine concrete, U-channel and filling to required level for pipe laying works	30	0	06-Jan-15 A	04-Sep-15 A
TWSRE-1160	Road Formation, Road Drainage, Kerb and Pavement (Incl. FL/F8A, FL/F9)	83	83	12-Jun-17	16-Sep-17
TWSRE-1170	Remaining Noise Barrier NB3 Stem Wall (a total of 24m long)	45	45	31-May-17*	22-Jul-17
TWSRE Zone 2 between CH270 and CH380		818	95	05-Nov-14 A	18-Sep-17
At-Grade Roadworks		818	95	05-Nov-14 A	18-Sep-17
TWSRE-2010	Noise Barrier NB3 - Footing adjacent to Realigned TWSR East (48m)	110	0	03-Mar-15 A	09-Jun-15 A
TWSRE-2020	Retaining Wall Construction for FL/RW6	45	0	05-Nov-14 A	05-Jan-15 A
TWSRE-2030A*	Pipe laying - DN600 & DN1200 Watermains (CHB & CHC) along Realigned TWSR East	25	0	17-Jul-15 A	22-Sep-16 A
TWSRE-2030B*	Pipe laying - DN1400 Watermains (CHK) along Realigned TWSR East	55	0	17-Sep-16 A	05-Dec-16 A
TWSRE-2030B*10	Pipe laying - DN600 & DN1200 Watermains (CHB & CHC) along Realigned TWSR East, conflicted with J-bridge	21	0	25-Aug-15 A	08-Sep-16 A
TWSRE-2040	Completion of New Vehicular Bridge by FHW3 Contractor	0	0		20-Aug-16 A
TWSRE-2050	Erection of Scaffolding for Demolition Works of Kiu Tau Vehicular Bridge	60	0	20-Aug-16 A	05-Oct-16 A
TWSRE-2060A	Demolition of Existing Kiu Tau Vehicular Bridge (Portion 1), above FLH	25	0	15-Oct-16 A	01-Nov-16 A
TWSRE-2060B	Demolition of Existing Kiu Tau Vehicular Bridge (Portion 2), above existing TWSRE	35	0	27-Dec-16 A	25-Jan-17 A
TWSRE-2060C	Demolition of Existing Kiu Tau Vehicular Bridge (Portion 3), above new TWSRE	27	0	02-Mar-17 A	22-Mar-17 A
TWSRE-2070	Commissioning of Realigned TWSR East	0	0	18-Sep-17	
TWSRE-2080	Remaining Noise Barrier NB3 Stem Wall (total 2 bays)	35	35	31-May-17*	11-Jul-17
TWSRE-2090	Road Formation, Road Drainage, Kerb and Pavement	70	70	27-May-17	18-Aug-17
TWSRE Zone 3 between CH380 and CH456		763	70	20-Jun-14 A	14-Jul-17
At-Grade Roadworks		763	70	20-Jun-14 A	14-Jul-17
TWSRE-3010	Noise Barrier NB3 - Footing adjacent to Realigned TWSR East (75.6m)	85	0	19-Mar-15 A	12-Sep-15 A
TWSRE-3020A*	Pipe Laying - DN600 & DN1200 Watermains (CHB & CHC) abng Realigned TWSR East	78	0	07-Jul-15 A	13-Jan-16 A
TWSRE-3020B*	Pipe laying - DN2300 Watermains (CHJ) along Realigned TWSR East	75	0	20-Jun-14 A	24-Sep-14 A
TWSRE-3030	Road Drainage	55	0	24-Oct-14 A	16-Feb-15 A
TWSRE-3040	Road Formation, Kerb and Pavement (Incl. FL/F10)	70	70	20-Apr-17	14-Jul-17
Roundabout A, Slip Road and Access Road		919	0	10-Mar-14 A	31-Mar-17 A
TWSRE-4010	Filling Works at the abandoned water channel	115	0	10-Mar-14 A	17-Sep-14 A
TWSRE-4020	Slip Road Y (CH260-CH404) - Road Formation, Road Drainage, Kerb, Planter and Pavement	108	0	28-Dec-15 A	02-Jun-16 A
TWSRE-4030A	Slip Road Y (CH100-CH150) - Road Drainage	35	0	18-Sep-14 A	31-Oct-14 A



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CEDD Contract No. CV/2012/09

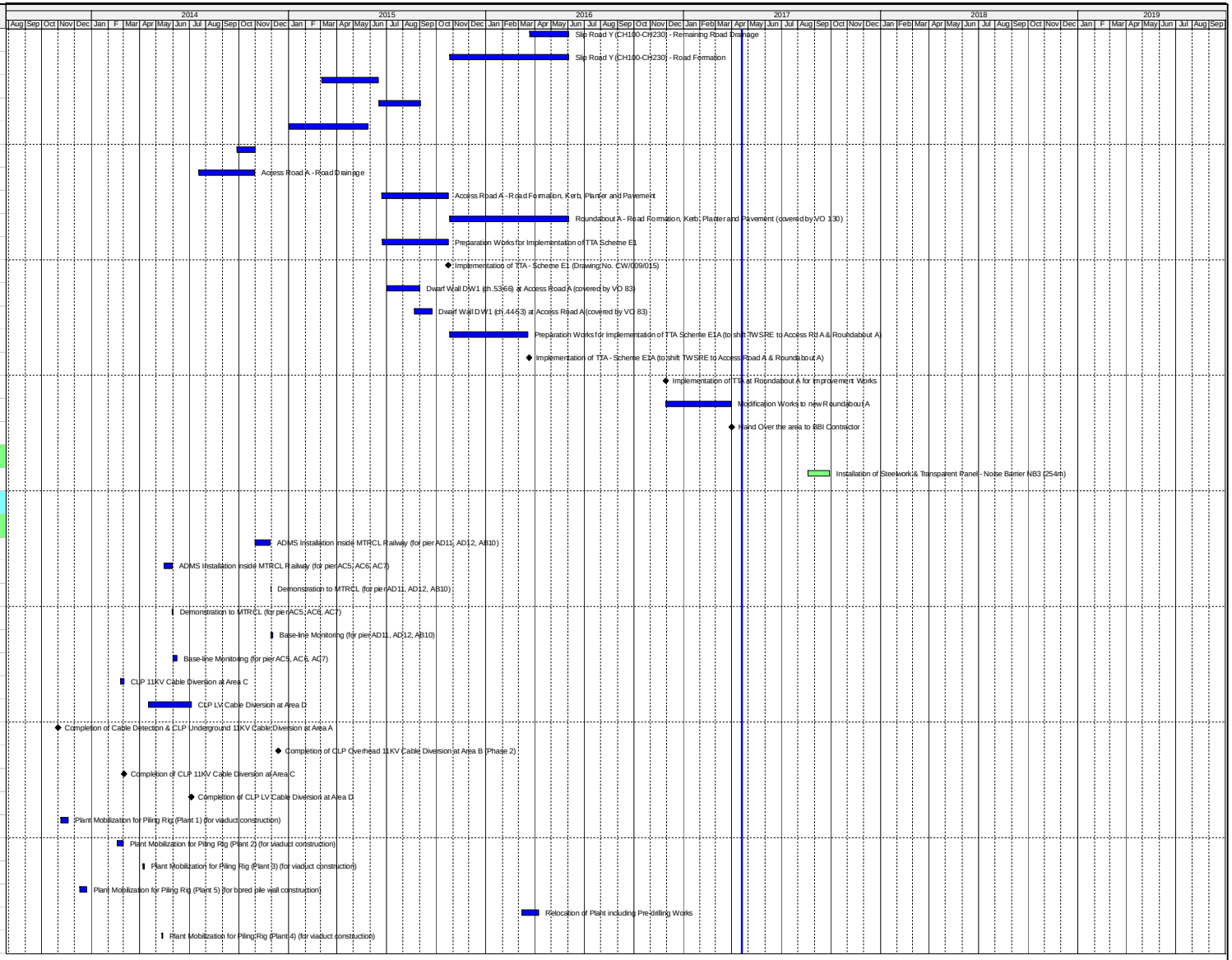
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
TWSRE-4030B	Slip Road Y (CH100-CH230) - Remaining Road Drainage	31	0	22-Mar-16 A	02-Jun-16 A
TWSRE-4030C	Slip Road Y (CH100-CH230) - Road Formation	26	0	26-Oct-15 A	02-Jun-16 A
TWSRE-4040A*	Pipe laying - DN600 & DN1200 Watermains (CHB & CHC) along Access Road A	58	0	03-Mar-15 A	15-Jun-15 A
TWSRE-4040B*	Pipe laying - DN600 & DN1200 Watermains (CHB & CHC) along Roundabout A	66	0	17-Jun-15 A	01-Sep-15 A
TWSRE-4050A*	Pipe laying - DN2300 Watermains (CHJ) along Access Road A	68	0	02-Jan-15 A	28-May-15 A
TWSRE-4050B*	Pipe laying - DN2300 Watermains (CHJ) along Roundabout A	27	0	27-Sep-14 A	31-Oct-14 A
TWSRE-4060A	Access Road A - Road Drainage	327	0	18-Jul-14 A	30-Oct-14 A
TWSRE-4060B	Access Road A - Road Formation, Kerb, Planter and Pavement	44	0	22-Jun-15 A	23-Oct-15 A
TWSRE-4070	Roundabout A - Road Formation, Kerb, Planter and Pavement (covered by VO 130)	90	0	26-Oct-15 A	02-Jun-16 A
TWSRE-4080	Preparation Works for Implementation of TTA Scheme E1	42	0	24-Jun-15 A	23-Oct-15 A
TWSRE-4090	Implementation of TTA - Scheme E1 (Drawing No. CW/009/015)	0	0	24-Oct-15 A	
TWSRE-4100A	Dwarf Wall DW1 (ch.53-66) at Access Road A (covered by VO 83)	40	0	02-Jul-15 A	31-Aug-15 A
TWSRE-4100B	Dwarf Wall DW1 (ch.44-53) at Access Road A (covered by VO 83)	40	0	22-Aug-15 A	23-Sep-15 A
TWSRE-4110	Preparation Works for Implementation of TTA Scheme E1A (to shift TWSRE to Access Rd A & Roundabout A)	30	0	26-Oct-15 A	19-Mar-16 A
TWSRE-4120	Implementation of TTA - Scheme E1A (to shift TWSRE to Access Road A & Roundabout A)	0	0	21-Mar-16 A	
TWSRE-5000	Implementation of TTA at Roundabout A for Improvement Works	0	0	29-Nov-16 A	
TWSRE-5010	Modification Works to new Roundabout A	90	0	29-Nov-16 A	30-Mar-17 A
TWSRE-5020	Hand Over the area to BBI Contractor	0	0		31-Mar-17 A
Remaining Works for Noise Barrier along realigned TWSR East		35	35	19-Aug-17	28-Sep-17
TWSRE-NB-120	Installation of Steelwork & Transparent Panel - Noise Barrier NB3 (254m)	35	35	19-Aug-17*	28-Sep-17
Stage 1C - Viaduct Structure & TCSS Civil Provisions (KD-9)		1337	324	31-Oct-13 A	28-May-18
Preliminaries		877	0	31-Oct-13 A	20-Sep-16 A
B-1000A	ADMS Installation inside MTRCL Railway (for pier AD11, AD12, AB10)	14	0	31-Oct-14 A	28-Nov-14 A
B-1000B	ADMS Installation inside MTRCL Railway (for pier AC5, AC6, AC7)	3	0	15-May-14 A	30-May-14 A
B-1010A	Demonstration to MTRCL (for pier AD11, AD12, AB10)	1	0	29-Nov-14 A	29-Nov-14 A
B-1010B	Demonstration to MTRCL (for pier AC5, AC6, AC7)	1	0	31-May-14 A	31-May-14 A
B-1020A	Base-line Monitoring (for pier AD11, AD12, AB10)	10	0	29-Nov-14 A	03-Dec-14 A
B-1020B	Base-line Monitoring (for pier AC5, AC6, AC7)	7	0	01-Jun-14 A	08-Jun-14 A
B-2000	CLP 11KV Cable Diversion at Area C	12	0	24-Feb-14 A	02-Mar-14 A
B-2010	CLP LV Cable Diversion at Area D	12	0	16-Apr-14 A	05-Jul-14 A
B-2020	Completion of Cable Detection & CLP Underground 11KV Cable Diversion at Area A	0	0		31-Oct-13 A
B-2030	Completion of CLP Overhead 11KV Cable Diversion at Area B (Phase 2)	0	0		12-Dec-14 A
B-2040	Completion of CLP 11KV Cable Diversion at Area C	0	0		02-Mar-14 A
B-2050	Completion of CLP LV Cable Diversion at Area D	0	0		05-Jul-14 A
B-3000	Plant Mobilization for Piling Rig (Plant 1) (for viaduct construction)	13	0	05-Nov-13 A	19-Nov-13 A
B-3010	Plant Mobilization for Piling Rig (Plant 2) (for viaduct construction)	25	0	17-Feb-14 A	28-Feb-14 A
B-3020	Plant Mobilization for Piling Rig (Plant 3) (for viaduct construction)	7	0	07-Apr-14 A	09-Apr-14 A
B-3040	Plant Mobilization for Piling Rig (Plant 5) (for bored pile wall construction)	25	0	10-Dec-13 A	23-Dec-13 A
B-3050	Relocation of Plant including Pre-drilling Works	15	0	08-Mar-16 A	07-Apr-16 A
B-3060	Plant Mobilization for Piling Rig (Plant 4) (for viaduct construction)	7	0	12-May-14 A	13-May-14 A



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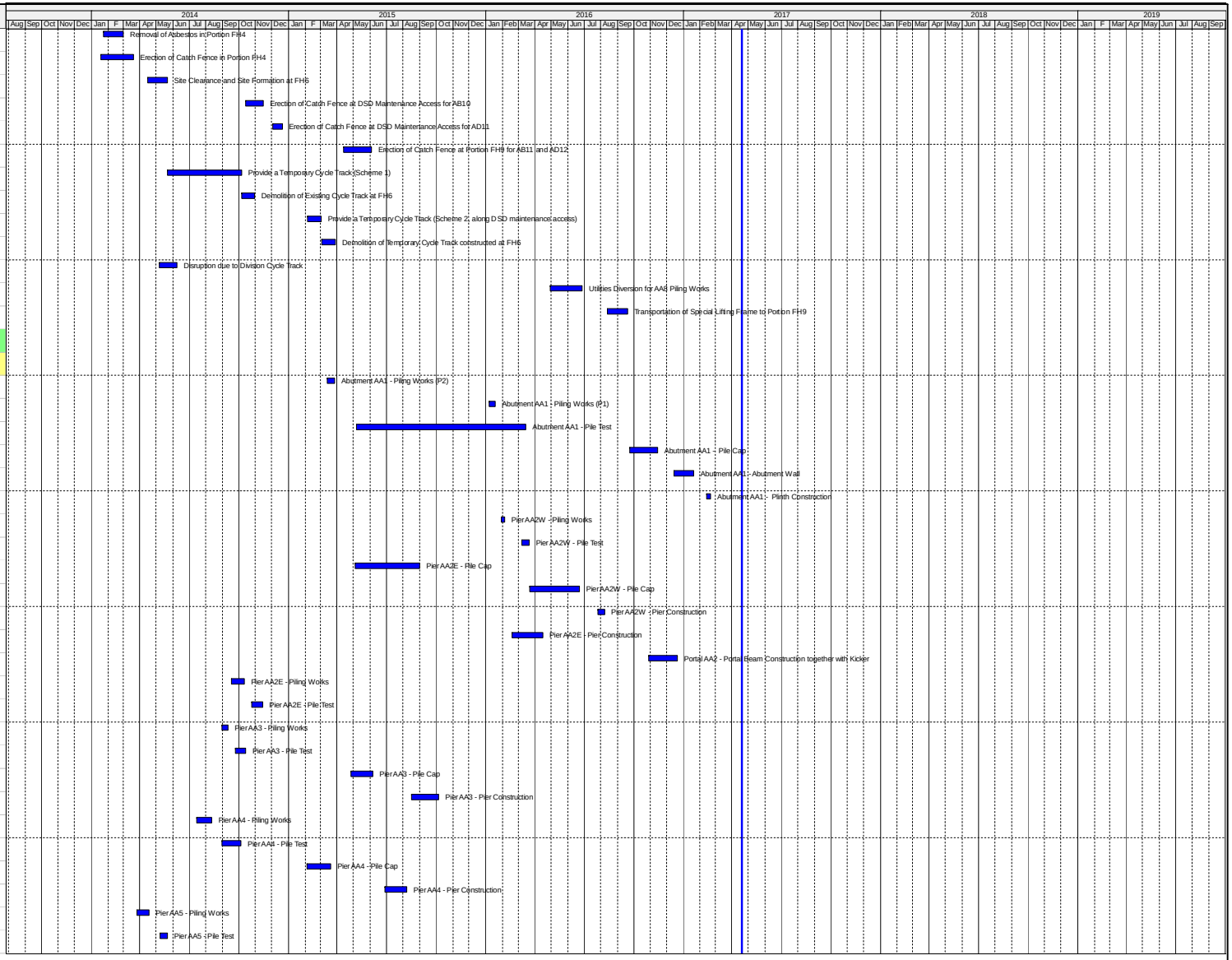
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
B-4000	Removal of Asbestos in Portion FH4	30	0	24-Jan-14 A	28-Feb-14 A
B-4010	Erection of Catch Fence in Portion FH4	50	0	18-Jan-14 A	19-Mar-14 A
B-4020	Site Clearance and Site Formation at FH6	35	0	15-Apr-14 A	21-May-14 A
B-4030	Erection of Catch Fence at DSD Maintenance Access for AB10	25	0	13-Oct-14 A	15-Nov-14 A
B-4040	Erection of Catch Fence at DSD Maintenance Access for AD11	25	0	03-Dec-14 A	20-Dec-14 A
B-4050	Erection of Catch Fence at Portion FH9 for AB11 and AD12	45	0	13-Apr-15 A	03-Jun-15 A
B-5000	Provide a Temporary Cycle Track (Scheme 1)	27	0	22-May-14 A	05-Oct-14 A
B-5000a	Demolition of Existing Cycle Track at FH6	20	0	06-Oct-14 A	29-Oct-14 A
B-5010	Provide a Temporary Cycle Track (Scheme 2, along DSD maintenance access)	28	0	05-Feb-15 A	02-Mar-15 A
B-5020	Demolition of Temporary Cycle Track constructed at FH6	27	0	03-Mar-15 A	28-Mar-15 A
B-5030	Disruption due to Division Cycle Track	27	0	07-May-14 A	08-Jun-14 A
B-5040	Utilities Diversion for AA8 Piling Works	60	0	29-Apr-16 A	27-Jun-16 A
B-6000	Transportation of Special Lifting Frame to Portion FH9	32	0	13-Aug-16 A	20-Sep-16 A
Foundation & Pier Construction		1035	18	20-Nov-13 A	12-May-17
Bridge A		892	0	04-Dec-13 A	20-Feb-17 A
BA-01-1000a	Abutment AA1 - Piling Works (P2)	12	0	14-Mar-15 A	27-Mar-15 A
BA-01-1000b	Abutment AA1 - Piling Works (P1)	11	0	07-Jan-16 A	18-Jan-16 A
BA-01-1010	Abutment AA1 - Pile Test	14	0	06-May-15 A	14-Mar-16 A
BA-01-1020	Abutment AA1 - Pile Cap	35	0	24-Sep-16 A	14-Nov-16 A
BA-01-1020B	Abutment AA1 - Abutment Wall	28	0	14-Dec-16 A	19-Jan-17 A
BA-01-1020C	Abutment AA1 - Plinth Construction	6	0	13-Feb-17 A	20-Feb-17 A
BA-02-1000	Pier AA2W - Piling Works	12	0	29-Jan-16 A	04-Feb-16 A
BA-02-1010	Pier AA2W - Pile Test	14	0	07-Mar-16 A	21-Mar-16 A
BA-02-1020A	Pier AA2E - Pile Cap	30	0	04-May-15 A	31-Aug-15 A
BA-02-1020B	Pier AA2W - Pile Cap	30	0	22-Mar-16 A	22-Jun-16 A
BA-02-1030	Pier AA2W - Pier Construction	21	0	26-Jul-16 A	08-Aug-16 A
BA-02-1040	Pier AA2E - Pier Construction	21	0	19-Feb-16 A	15-Apr-16 A
BA-02-1050	Portal AA2 - Portal Beam Construction together with Kicker	72	0	29-Oct-16 A	20-Dec-16 A
BA-02-2000	Pier AA2E - Piling Works	12	0	17-Sep-14 A	10-Oct-14 A
BA-02-2010	Pier AA2E - Pile Test	7	0	25-Oct-14 A	14-Nov-14 A
BA-03-1000	Pier AA3 - Piling Works	12	0	30-Aug-14 A	10-Sep-14 A
BA-03-1010	Pier AA3 - Pile Test	7	0	25-Sep-14 A	13-Oct-14 A
BA-03-1020	Pier AA3 - Pile Cap	30	0	27-Apr-15 A	06-Jun-15 A
BA-03-1030	Pier AA3 - Pier Construction	35	0	17-Aug-15 A	05-Oct-15 A
BA-04-1000	Pier AA4 - Piling Works	12	0	15-Jul-14 A	11-Aug-14 A
BA-04-1010	Pier AA4 - Pile Test	7	0	30-Aug-14 A	04-Oct-14 A
BA-04-1020	Pier AA4 - Pile Cap	30	0	04-Feb-15 A	19-Mar-15 A
BA-04-1030	Pier AA4 - Pier Construction	14	0	29-Jun-15 A	07-Aug-15 A
BA-05-1000	Pier AA5 - Piling Works	12	0	26-Mar-14 A	17-Apr-14 A
BA-05-1010	Pier AA5 - Pile Test	7	0	08-May-14 A	22-May-14 A



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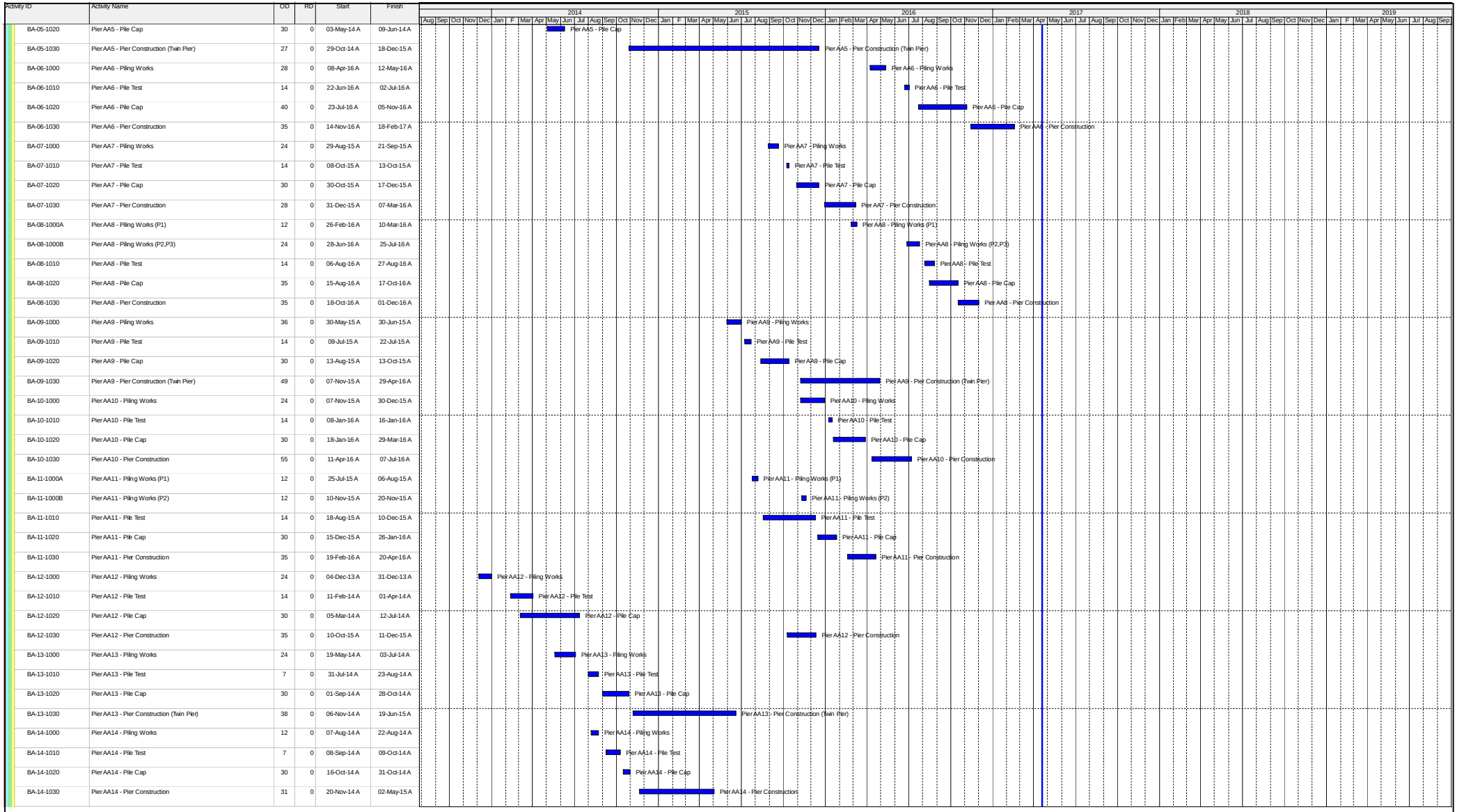
CEDD Contract No. CV/2012/09

Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung



Activity ID	Activity Name	OD	RD	Start	Finish
BA-05-1020	Pier AA5 - Pile Cap	30	0	03-May-14 A	09-Jun-14 A
BA-05-1030	Pier AA5 - Pier Construction (Twin Pier)	27	0	29-Oct-14 A	18-Dec-15 A
BA-06-1000	Pier AA6 - Piling Works	28	0	08-Apr-16 A	12-May-16 A
BA-06-1010	Pier AA6 - Pile Test	14	0	22-Jun-16 A	02-Jul-16 A
BA-06-1020	Pier AA6 - Pile Cap	40	0	23-Jul-16 A	05-Nov-16 A
BA-06-1030	Pier AA6 - Pier Construction	35	0	14-Nov-16 A	18-Feb-17 A
BA-07-1000	Pier AA7 - Piling Works	24	0	29-Aug-15 A	21-Sep-15 A
BA-07-1010	Pier AA7 - Pile Test	14	0	08-Oct-15 A	13-Oct-15 A
BA-07-1020	Pier AA7 - Pile Cap	30	0	30-Oct-15 A	17-Dec-15 A
BA-07-1030	Pier AA7 - Pier Construction	28	0	31-Dec-15 A	07-Mar-16 A
BA-08-1000A	Pier AA8 - Piling Works (P1)	12	0	26-Feb-16 A	10-Mar-16 A
BA-08-1000B	Pier AA8 - Piling Works (P2,P3)	24	0	28-Jun-16 A	25-Jul-16 A
BA-08-1010	Pier AA8 - Pile Test	14	0	06-Aug-16 A	27-Aug-16 A
BA-08-1020	Pier AA8 - Pile Cap	35	0	15-Aug-16 A	17-Oct-16 A
BA-08-1030	Pier AA8 - Pier Construction	35	0	18-Oct-16 A	01-Dec-16 A
BA-09-1000	Pier AA9 - Piling Works	36	0	30-May-15 A	30-Jun-15 A
BA-09-1010	Pier AA9 - Pile Test	14	0	09-Jul-15 A	22-Jul-15 A
BA-09-1020	Pier AA9 - Pile Cap	30	0	13-Aug-15 A	13-Oct-15 A
BA-09-1030	Pier AA9 - Pier Construction (Twin Pier)	49	0	07-Nov-15 A	29-Apr-16 A
BA-10-1000	Pier AA10 - Piling Works	24	0	07-Nov-15 A	30-Dec-15 A
BA-10-1010	Pier AA10 - Pile Test	14	0	08-Jan-16 A	16-Jan-16 A
BA-10-1020	Pier AA10 - Pile Cap	30	0	18-Jan-16 A	29-Mar-16 A
BA-10-1030	Pier AA10 - Pier Construction	55	0	11-Apr-16 A	07-Jul-16 A
BA-11-1000A	Pier AA11 - Piling Works (P1)	12	0	25-Jul-15 A	06-Aug-15 A
BA-11-1000B	Pier AA11 - Piling Works (P2)	12	0	10-Nov-15 A	20-Nov-15 A
BA-11-1010	Pier AA11 - Pile Test	14	0	18-Aug-15 A	10-Dec-15 A
BA-11-1020	Pier AA11 - Pile Cap	30	0	15-Dec-15 A	26-Jan-16 A
BA-11-1030	Pier AA11 - Pier Construction	35	0	19-Feb-16 A	20-Apr-16 A
BA-12-1000	Pier AA12 - Piling Works	24	0	04-Dec-13 A	31-Dec-13 A
BA-12-1010	Pier AA12 - Pile Test	14	0	11-Feb-14 A	01-Apr-14 A
BA-12-1020	Pier AA12 - Pile Cap	30	0	05-Mar-14 A	12-Jul-14 A
BA-12-1030	Pier AA12 - Pier Construction	35	0	10-Oct-15 A	11-Dec-15 A
BA-13-1000	Pier AA13 - Piling Works	24	0	19-May-14 A	03-Jul-14 A
BA-13-1010	Pier AA13 - Pile Test	7	0	31-Jul-14 A	23-Aug-14 A
BA-13-1020	Pier AA13 - Pile Cap	30	0	01-Sep-14 A	28-Oct-14 A
BA-13-1030	Pier AA13 - Pier Construction (Twin Pier)	38	0	06-Nov-14 A	19-Jun-15 A
BA-14-1000	Pier AA14 - Piling Works	12	0	07-Aug-14 A	22-Aug-14 A
BA-14-1010	Pier AA14 - Pile Test	7	0	08-Sep-14 A	09-Oct-14 A
BA-14-1020	Pier AA14 - Pile Cap	30	0	16-Oct-14 A	31-Oct-14 A
BA-14-1030	Pier AA14 - Pier Construction	31	0	20-Nov-14 A	02-May-15 A

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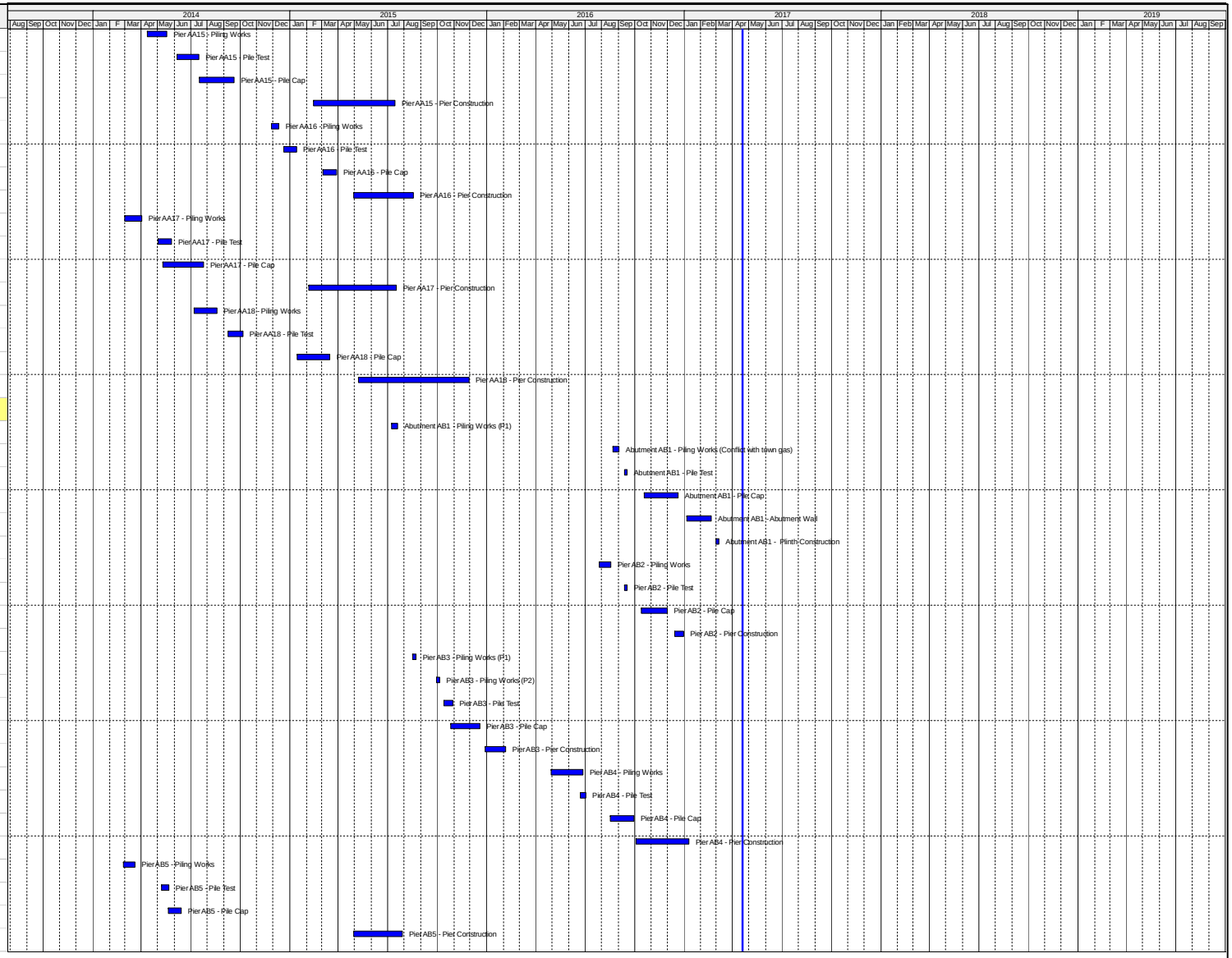
Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
BA-15-1000	Pier AA15 - Piling Works	24	0	12-Apr-14 A	17-May-14 A
BA-15-1010	Pier AA15 - Pile Test	7	0	06-Jun-14 A	16-Jul-14 A
BA-15-1020	Pier AA15 - Pile Cap	30	0	17-Jul-14 A	19-Sep-14 A
BA-15-1030	Pier AA15 - Pier Construction	31	0	14-Feb-15 A	15-Jul-15 A
BA-16-1000	Pier AA16 - Piling Works	12	0	28-Nov-14 A	11-Dec-14 A
BA-16-1010	Pier AA16 - Pile Test	7	0	20-Dec-14 A	13-Jan-15 A
BA-16-1020	Pier AA16 - Pile Cap	30	0	03-Mar-15 A	28-Mar-15 A
BA-16-1030	Pier AA16 - Pier Construction	35	0	29-Apr-15 A	17-Aug-15 A
BA-17-1000	Pier AA17 - Piling Works	24	0	01-Mar-14 A	01-Apr-14 A
BA-17-1010	Pier AA17 - Pile Test	7	0	01-May-14 A	26-May-14 A
BA-17-1020	Pier AA17 - Pile Cap	30	0	10-May-14 A	24-Jul-14 A
BA-17-1030	Pier AA17 - Pier Construction	24	0	05-Feb-15 A	17-Jul-15 A
BA-18-1000	Pier AA18 - Piling Works	12	0	07-Jul-14 A	19-Aug-14 A
BA-18-1010	Pier AA18 - Pile Test	7	0	08-Sep-14 A	06-Oct-14 A
BA-18-1020	Pier AA18 - Pile Cap	30	0	15-Jan-15 A	16-Mar-15 A
BA-18-1030	Pier AA18 - Pier Construction	56	0	08-May-15 A	28-Nov-15 A
Bridge B		900	0	26-Feb-14 A	06-Mar-17 A
BB-01-1000A	Abutment AB1 - Piling Works (P1)	18	0	09-Jul-15 A	20-Jul-15 A
BB-01-1000B	Abutment AB1 - Piling Works (Conflict with town gas)	12	0	22-Aug-16 A	02-Sep-16 A
BB-01-1010	Abutment AB1 - Pile Test	14	0	12-Sep-16 A	17-Sep-16 A
BB-01-1020	Abutment AB1 - Pile Cap	16	0	19-Oct-16 A	20-Dec-16 A
BB-01-1020B	Abutment AB1 - Abutment Wall	28	0	06-Jan-17 A	20-Feb-17 A
BB-01-1020C	Abutment AB1 - Plinth Construction	6	0	01-Mar-17 A	06-Mar-17 A
BB-02-1000	Pier AB2 - Piling Works	12	0	27-Jul-16 A	18-Aug-16 A
BB-02-1010	Pier AB2 - Pile Test	14	0	12-Sep-16 A	17-Sep-16 A
BB-02-1020	Pier AB2 - Pile Cap	35	0	13-Oct-16 A	30-Nov-16 A
BB-02-1030	Pier AB2 - Pier Construction	7	0	14-Dec-16 A	30-Dec-16 A
BB-03-1000A	Pier AB3 - Piling Works (P1)	12	0	17-Aug-15 A	22-Aug-15 A
BB-03-1000B	Pier AB3 - Piling Works (P2)	12	0	29-Sep-15 A	05-Oct-15 A
BB-03-1010	Pier AB3 - Pile Test	14	0	13-Oct-15 A	29-Oct-15 A
BB-03-1020	Pier AB3 - Pile Cap	30	0	26-Oct-15 A	19-Dec-15 A
BB-03-1030	Pier AB3 - Pier Construction	21	0	29-Dec-15 A	05-Feb-16 A
BB-04-1000	Pier AB4 - Piling Works	28	0	29-Apr-16 A	27-Jun-16 A
BB-04-1010	Pier AB4 - Pile Test	14	0	22-Jun-16 A	02-Jul-16 A
BB-04-1020	Pier AB4 - Pile Cap	35	0	17-Aug-16 A	30-Sep-16 A
BB-04-1030	Pier AB4 - Pier Construction	35	0	03-Oct-16 A	10-Jan-17 A
BB-05-1000	Pier AB5 - Piling Works	12	0	26-Feb-14 A	19-Mar-14 A
BB-05-1010	Pier AB5 - Pile Test	7	0	08-May-14 A	22-May-14 A
BB-05-1020	Pier AB5 - Pile Cap	30	0	21-May-14 A	13-Jun-14 A
BB-05-1030	Pier AB5 - Pier Construction	35	0	29-Apr-15 A	28-Jul-15 A



俊和建築工程有限公司
CHUN WO CONSTRUCTION & ENGINEERING CO., LTD.

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CEDD Contract No. CV/2012/09

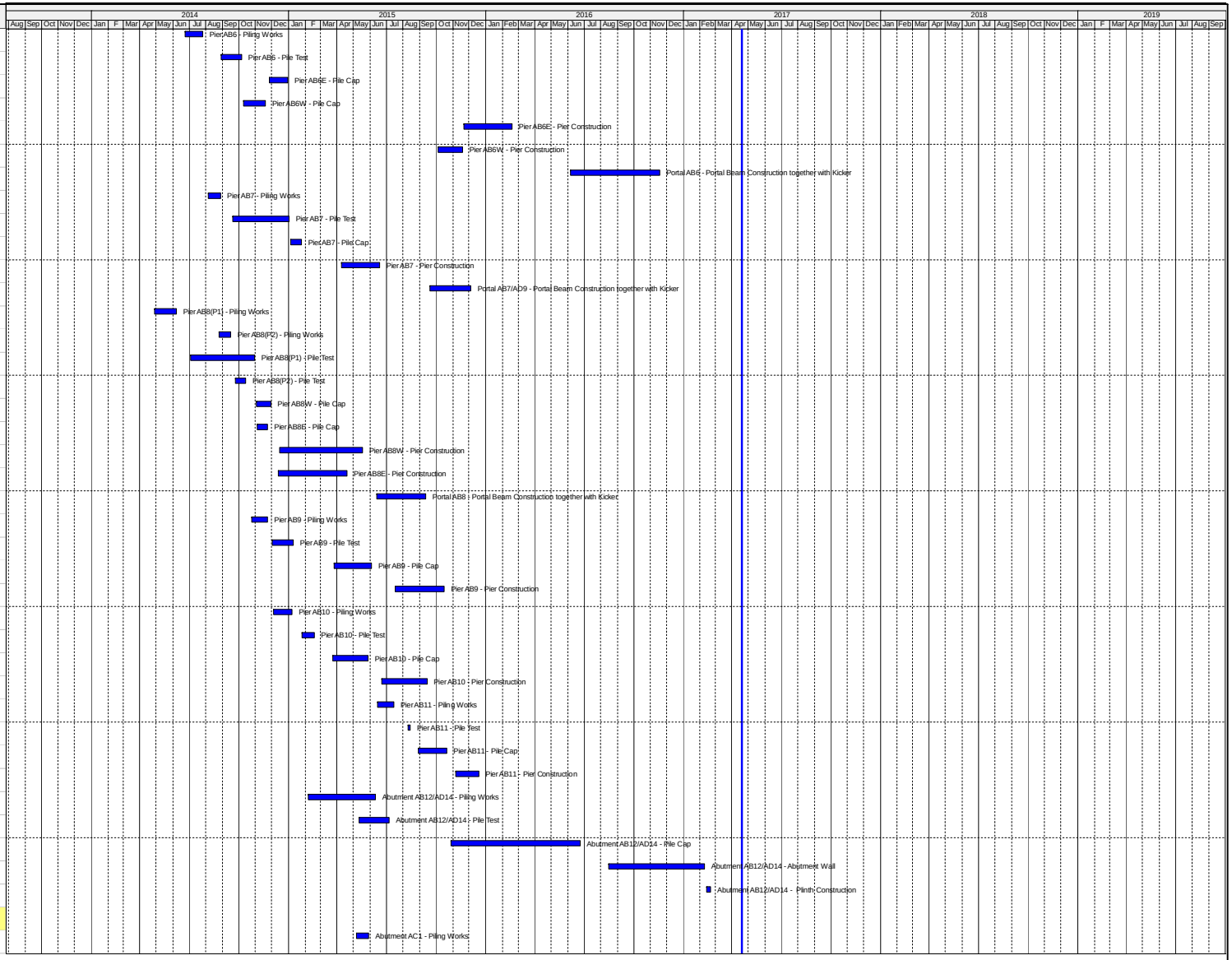
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
BB-06-1000	Pier AB6 - Piling Works	24	0	23-Jun-14 A	26-Jul-14 A
BB-06-1010	Pier AB6 - Pile Test	7	0	29-Aug-14 A	06-Oct-14 A
BB-06-1020A	Pier AB6E - Pile Cap	30	0	26-Nov-14 A	30-Dec-14 A
BB-06-1020B	Pier AB6W - Pile Cap	30	0	10-Oct-14 A	19-Nov-14 A
BB-06-1030	Pier AB6E - Pier Construction	48	0	21-Nov-15 A	19-Feb-16 A
BB-06-1040	Pier AB6W - Pier Construction	48	0	05-Oct-15 A	18-Nov-15 A
BB-06-1050	Portal AB6 - Portal Beam Construction together with Kicker	100	0	06-Jun-16 A	18-Nov-16 A
BB-07-1000	Pier AB7 - Piling Works	12	0	05-Aug-14 A	27-Aug-14 A
BB-07-1010	Pier AB7 - Pile Test	12	0	19-Sep-14 A	02-Jan-15 A
BB-07-1020	Pier AB7 - Pile Cap	30	0	05-Jan-15 A	24-Jan-15 A
BB-07-1030	Pier AB7 - Pier Construction	32	0	09-Apr-15 A	18-Jun-15 A
BB-07-1040	Portal AB7/AD9 - Portal Beam Construction together with Kicker	62	0	19-Sep-15 A	04-Dec-15 A
BB-08-1000A	Pier AB8(P1) - Piling Works	12	0	28-Apr-14 A	07-Jun-14 A
BB-08-1000B	Pier AB8(P2) - Piling Works	12	0	25-Aug-14 A	15-Sep-14 A
BB-08-1010A	Pier AB8(P1) - Pile Test	7	0	04-Jul-14 A	29-Oct-14 A
BB-08-1010B	Pier AB8(P2) - Pile Test	7	0	25-Sep-14 A	13-Oct-14 A
BB-08-1020A	Pier AB8W - Pile Cap	30	0	03-Nov-14 A	29-Nov-14 A
BB-08-1020B	Pier AB8E - Pile Cap	30	0	04-Nov-14 A	22-Nov-14 A
BB-08-1030	Pier AB8W - Pier Construction	24	0	15-Dec-14 A	18-May-15 A
BB-08-1040	Pier AB8E - Pier Construction	24	0	13-Dec-14 A	18-Apr-15 A
BB-08-1050	Portal AB8 - Portal Beam Construction together with Kicker	75	0	13-Jun-15 A	11-Sep-15 A
BB-09-1000	Pier AB9 - Piling Works	24	0	25-Oct-14 A	22-Nov-14 A
BB-09-1010	Pier AB9 - Pile Test	7	0	01-Dec-14 A	09-Jan-15 A
BB-09-1020	Pier AB9 - Pile Cap	48	0	26-Mar-15 A	03-Jun-15 A
BB-09-1030	Pier AB9 - Pier Construction	24	0	17-Jul-15 A	16-Oct-15 A
BB-10-1000	Pier AB10 - Piling Works	24	0	04-Dec-14 A	07-Jan-15 A
BB-10-1010	Pier AB10 - Pile Test	7	0	26-Jan-15 A	17-Feb-15 A
BB-10-1020	Pier AB10 - Pile Cap	60	0	23-Mar-15 A	27-May-15 A
BB-10-1030	Pier AB10 - Pier Construction	25	0	22-Jun-15 A	14-Sep-15 A
BB-11-1000	Pier AB11 - Piling Works	24	0	15-Jun-15 A	15-Jul-15 A
BB-11-1010	Pier AB11 - Pile Test	14	0	10-Aug-15 A	14-Aug-15 A
BB-11-1020	Pier AB11 - Pile Cap	30	0	29-Aug-15 A	20-Oct-15 A
BB-11-1030	Pier AB11 - Pier Construction	45	0	06-Nov-15 A	19-Dec-15 A
BB-12-1000A	Abutment AB12/AD14 - Piling Works	70	0	06-Feb-15 A	10-Jun-15 A
BB-12-1010	Abutment AB12/AD14 - Pile Test	14	0	12-May-15 A	06-Jul-15 A
BB-12-1020A	Abutment AB12/AD14 - Pile Cap	65	0	28-Oct-15 A	23-Jun-16 A
BB-12-1020B	Abutment AB12/AD14 - Abutment Wall	120	0	15-Aug-16 A	09-Feb-17 A
BB-12-1020C	Abutment AB12/AD14 - Plinth Construction	14	0	13-Feb-17 A	20-Feb-17 A
Bridge C		852	0	20-Nov-13 A	14-Sep-16 A
BC-01-1000	Abutment AC1 - Piling Works	36	0	06-May-15 A	29-May-15 A



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俊和建築工程有限公司
CHUN WO CONSTRUCTION & ENGINEERING CO., LTD.

CEDD Contract No. CV/2012/09

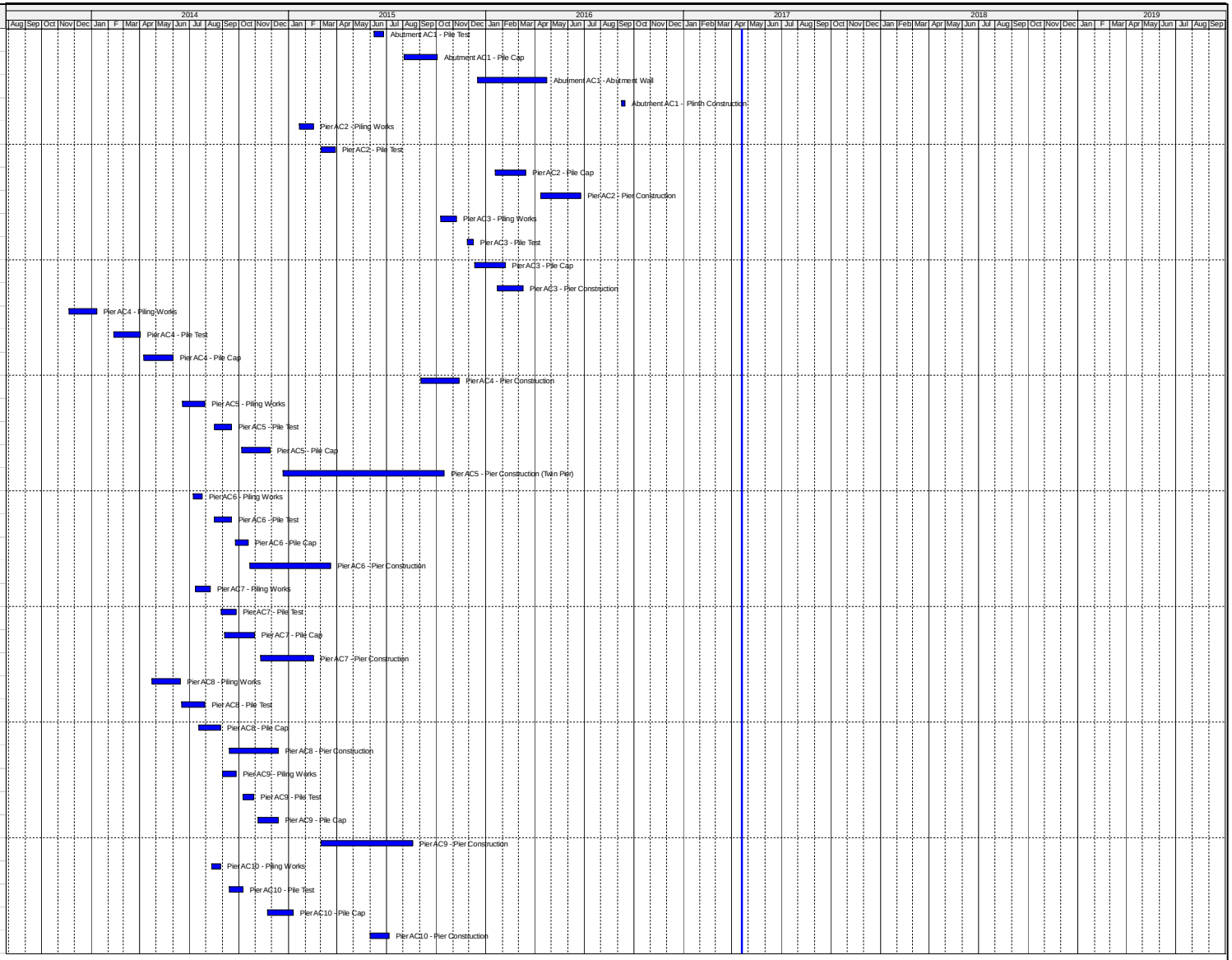
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
BC-01-1010	Abutment AC1 - Pile Test	14	0	08-Jun-15 A	25-Jun-15 A
BC-01-1020A	Abutment AC1 - Pile Cap	49	0	03-Aug-15 A	03-Oct-15 A
BC-01-1020B	Abutment AC1 - Abutment Wall	80	0	16-Dec-15 A	23-Apr-16 A
BC-01-1020C	Abutment AC1 - Plinth Construction	5	0	09-Sep-16 A	14-Sep-16 A
BC-02-1000	Pier AC2 - Piling Works	24	0	21-Jan-15 A	16-Feb-15 A
BC-02-1010	Pier AC2 - Pile Test	7	0	02-Mar-15 A	28-Mar-15 A
BC-02-1020	Pier AC2 - Pile Cap	30	0	18-Jan-16 A	14-Mar-16 A
BC-02-1030	Pier AC2 - Pier Construction	28	0	12-Apr-16 A	24-Jun-16 A
BC-03-1000	Pier AC3 - Piling Works	24	0	09-Oct-15 A	07-Nov-15 A
BC-03-1010	Pier AC3 - Pile Test	14	0	28-Nov-15 A	09-Dec-15 A
BC-03-1020	Pier AC3 - Pile Cap	30	0	11-Dec-15 A	06-Feb-16 A
BC-03-1030	Pier AC3 - Pier Construction	28	0	22-Jan-16 A	09-Mar-16 A
BC-04-1000	Pier AC4 - Piling Works	24	0	20-Nov-13 A	11-Jan-14 A
BC-04-1010	Pier AC4 - Pile Test	14	0	11-Feb-14 A	01-Apr-14 A
BC-04-1020	Pier AC4 - Pile Cap	30	0	08-Apr-14 A	31-May-14 A
BC-04-1030	Pier AC4 - Pier Construction	35	0	03-Sep-15 A	12-Nov-15 A
BC-05-1000	Pier AC5 - Piling Works	24	0	19-Jun-14 A	29-Jul-14 A
BC-05-1010	Pier AC5 - Pile Test	7	0	16-Aug-14 A	17-Sep-14 A
BC-05-1020	Pier AC5 - Pile Cap	30	0	06-Oct-14 A	27-Nov-14 A
BC-05-1030	Pier AC5 - Pier Construction (Twin Pier)	38	0	22-Dec-14 A	15-Oct-15 A
BC-06-1000	Pier AC6 - Piling Works	12	0	09-Jul-14 A	25-Jul-14 A
BC-06-1010	Pier AC6 - Pile Test	7	0	16-Aug-14 A	17-Sep-14 A
BC-06-1020	Pier AC6 - Pile Cap	30	0	25-Sep-14 A	18-Oct-14 A
BC-06-1030	Pier AC6 - Pier Construction	24	0	21-Oct-14 A	20-Mar-15 A
BC-07-1000	Pier AC7 - Piling Works	24	0	12-Jul-14 A	09-Aug-14 A
BC-07-1010	Pier AC7 - Pile Test	7	0	29-Aug-14 A	26-Sep-14 A
BC-07-1020	Pier AC7 - Pile Cap	30	0	05-Sep-14 A	30-Oct-14 A
BC-07-1030	Pier AC7 - Pier Construction	24	0	10-Nov-14 A	16-Feb-15 A
BC-08-1000	Pier AC8 - Piling Works	24	0	23-Apr-14 A	14-Jun-14 A
BC-08-1010	Pier AC8 - Pile Test	7	0	17-Jun-14 A	30-Jul-14 A
BC-08-1020	Pier AC8 - Pile Cap	30	0	18-Jul-14 A	28-Aug-14 A
BC-08-1030	Pier AC8 - Pier Construction	24	0	13-Sep-14 A	13-Dec-14 A
BC-09-1000	Pier AC9 - Piling Works	24	0	01-Sep-14 A	25-Sep-14 A
BC-09-1010	Pier AC9 - Pile Test	7	0	08-Oct-14 A	28-Oct-14 A
BC-09-1020	Pier AC9 - Pile Cap	30	0	05-Nov-14 A	12-Dec-14 A
BC-09-1030	Pier AC9 - Pier Construction	28	0	02-Mar-15 A	19-Aug-15 A
BC-10-1000	Pier AC10 - Piling Works	12	0	11-Aug-14 A	28-Aug-14 A
BC-10-1010	Pier AC10 - Pile Test	7	0	13-Sep-14 A	08-Oct-14 A
BC-10-1020	Pier AC10 - Pile Cap	30	0	23-Nov-14 A	09-Jan-15 A
BC-10-1030	Pier AC10 - Pier Construction	21	0	01-Jun-15 A	06-Jul-15 A



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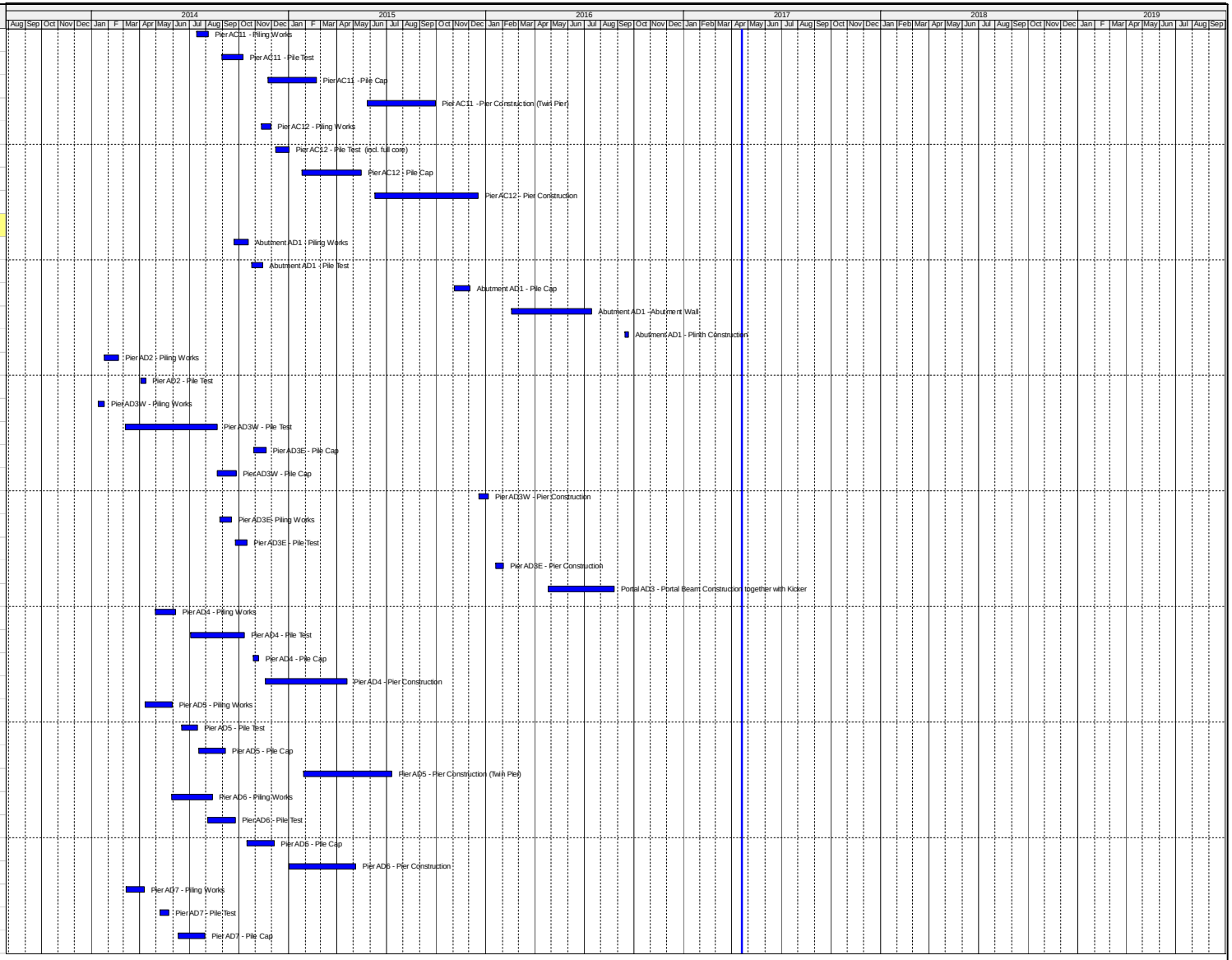
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
BC-11-1000	Pier AC11 - Piling Works	12	0	15-Jul-14 A	05-Aug-14 A
BC-11-1010	Pier AC11 - Pile Test	7	0	30-Aug-14 A	08-Oct-14 A
BC-11-1020	Pier AC11 - Pile Cap	30	0	24-Nov-14 A	21-Feb-15 A
BC-11-1030	Pier AC11 - Pier Construction (Twin Pier)	55	0	27-May-15 A	29-Sep-15 A
BC-12-1000	Pier AC12 - Piling Works	12	0	12-Nov-14 A	29-Nov-14 A
BC-12-1010	Pier AC12 - Pile Test (incl. full core)	21	0	08-Dec-14 A	02-Jan-15 A
BC-12-1020	Pier AC12 - Pile Cap	30	0	26-Jan-15 A	15-May-15 A
BC-12-1030	Pier AC12 - Pier Construction	28	0	10-Jun-15 A	18-Dec-15 A
Bridge D		951	18	13-Jan-14 A	12-May-17
BD-01-1000	Abutment AD1 - Piling Works	24	0	22-Sep-14 A	18-Oct-14 A
BD-01-1010	Abutment AD1 - Pile Test	7	0	25-Oct-14 A	13-Nov-14 A
BD-01-1020A	Abutment AD1 - Pile Cap	30	0	04-Nov-15 A	03-Dec-15 A
BD-01-1020B	Abutment AD1 - Abutment Wall	80	0	18-Feb-16 A	15-Jul-16 A
BD-01-1020C	Abutment AD1 - Plinth Construction	5	0	15-Sep-16 A	21-Sep-16 A
BD-02-1000	Pier AD2 - Piling Works	12	0	25-Jan-14 A	20-Feb-14 A
BD-02-1010	Pier AD2 - Pile Test	14	0	03-Apr-14 A	11-Apr-14 A
BD-03-1000	Pier AD3W - Piling Works	12	0	13-Jan-14 A	24-Jan-14 A
BD-03-1010	Pier AD3W - Pile Test	14	0	05-Mar-14 A	21-Aug-14 A
BD-03-1020A	Pier AD3E - Pile Cap	30	0	28-Oct-14 A	20-Nov-14 A
BD-03-1020B	Pier AD3W - Pile Cap	30	0	22-Aug-14 A	25-Sep-14 A
BD-03-1030	Pier AD3W - Pier Construction	28	0	19-Dec-15 A	06-Jan-16 A
BD-03-2000	Pier AD3E- Piling Works	12	0	27-Aug-14 A	17-Sep-14 A
BD-03-2010	Pier AD3E - Pile Test	7	0	25-Sep-14 A	15-Oct-14 A
BD-03-2030	Pier AD3E - Pier Construction	28	0	19-Jan-16 A	02-Feb-16 A
BD-03-2040	Portal AD3 - Portal Beam Construction together with Kicker	60	0	25-Apr-16 A	25-Aug-16 A
BD-04-1000	Pier AD4 - Piling Works	12	0	29-Apr-14 A	05-Jun-14 A
BD-04-1010	Pier AD4 - Pile Test	7	0	04-Jul-14 A	11-Oct-14 A
BD-04-1020	Pier AD4 - Pile Cap	30	0	27-Oct-14 A	06-Nov-14 A
BD-04-1030	Pier AD4 - Pier Construction	24	0	19-Nov-14 A	18-Apr-15 A
BD-05-1000	Pier AD5 - Piling Works	24	0	10-Apr-14 A	30-May-14 A
BD-05-1010	Pier AD5 - Pile Test	7	0	17-Jun-14 A	16-Jul-14 A
BD-05-1020	Pier AD5 - Pile Cap	30	0	18-Jul-14 A	05-Sep-14 A
BD-05-1030	Pier AD5 - Pier Construction (Twin Pier)	37	0	29-Jan-15 A	11-Jul-15 A
BD-06-1000	Pier AD6 - Piling Works	24	0	29-May-14 A	13-Aug-14 A
BD-06-1010	Pier AD6 - Pile Test	7	0	04-Aug-14 A	24-Sep-14 A
BD-06-1020	Pier AD6 - Pile Cap	30	0	16-Oct-14 A	05-Dec-14 A
BD-06-1030	Pier AD6 - Pier Construction	24	0	02-Jan-15 A	05-May-15 A
BD-07-1000	Pier AD7 - Piling Works	24	0	06-Mar-14 A	08-Apr-14 A
BD-07-1010	Pier AD7 - Pile Test	7	0	08-May-14 A	24-May-14 A
BD-07-1020	Pier AD7 - Pile Cap	30	0	11-Jun-14 A	30-Jul-14 A



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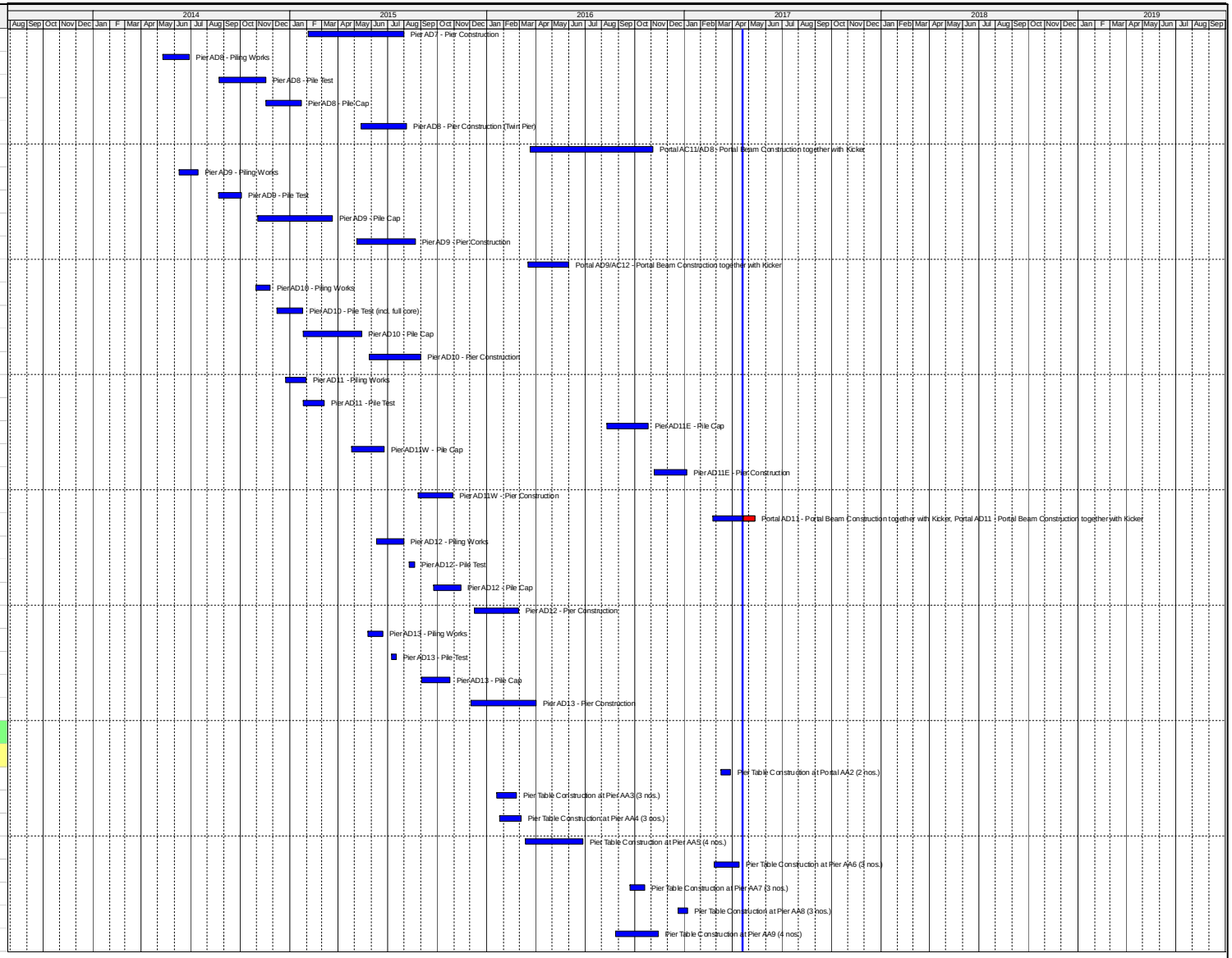
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
BD-07-1030	Pier AD7 - Pier Construction	32	0	04-Feb-15 A	31-Jul-15 A
BD-08-1000	Pier AD8 - Piling Works	12	0	10-May-14 A	28-Jun-14 A
BD-08-1010	Pier AD8 - Pile Test	7	0	23-Aug-14 A	17-Nov-14 A
BD-08-1020	Pier AD8 - Pile Cap	30	0	18-Nov-14 A	22-Jan-15 A
BD-08-1030	Pier AD8 - Pier Construction (Twin Pier)	55	0	13-May-15 A	05-Aug-15 A
BD-08-1040	Portal AC11/AD8 - Portal Beam Construction together with Kicker	85	0	21-Mar-16 A	04-Nov-16 A
BD-09-1000	Pier AD9 - Piling Works	24	0	09-Jun-14 A	14-Jul-14 A
BD-09-1010	Pier AD9 - Pile Test	7	0	21-Aug-14 A	03-Oct-14 A
BD-09-1020	Pier AD9 - Pile Cap	30	0	03-Nov-14 A	21-Mar-15 A
BD-09-1030	Pier AD9 - Pier Construction	49	0	05-May-15 A	21-Aug-15 A
BD-09-1040	Portal AD9/AC12 - Portal Beam Construction together with Kicker	55	0	17-Mar-16 A	31-May-16 A
BD-10-1000	Pier AD10 - Piling Works	24	0	30-Oct-14 A	25-Nov-14 A
BD-10-1010	Pier AD10 - Pile Test (incl. full core)	21	0	08-Dec-14 A	24-Jan-15 A
BD-10-1020	Pier AD10 - Pile Cap	30	0	26-Jan-15 A	14-May-15 A
BD-10-1030	Pier AD10 - Pier Construction	24	0	28-May-15 A	31-Aug-15 A
BD-11-1000	Pier AD11 - Piling Works	36	0	24-Dec-14 A	31-Jan-15 A
BD-11-1010	Pier AD11 - Pile Test	7	0	26-Jan-15 A	06-Mar-15 A
BD-11-1020A	Pier AD11E - Pile Cap	35	0	11-Aug-16 A	26-Oct-16 A
BD-11-1020B	Pier AD11W - Pile Cap	30	0	25-Apr-15 A	24-Jun-15 A
BD-11-1030	Pier AD11E - Pier Construction	35	0	07-Nov-16 A	05-Jan-17 A
BD-11-1040	Pier AD11W - Pier Construction	84	0	26-Aug-15 A	29-Oct-15 A
BD-11-1050	Portal AD11 - Portal Beam Construction together with Kicker	65	18	23-Feb-17 A	12-May-17
BD-12-1000	Pier AD12 - Piling Works	24	0	11-Jun-15 A	31-Jul-15 A
BD-12-1010	Pier AD12 - Pile Test	14	0	10-Aug-15 A	20-Aug-15 A
BD-12-1020	Pier AD12 - Pile Cap	30	0	24-Sep-15 A	13-Nov-15 A
BD-12-1030	Pier AD12 - Pier Construction	45	0	09-Dec-15 A	29-Feb-16 A
BD-13-1000	Pier AD13 - Piling Works	12	0	26-May-15 A	22-Jun-15 A
BD-13-1010	Pier AD13 - Pile Test	14	0	08-Jul-15 A	17-Jul-15 A
BD-13-1020	Pier AD13 - Pile Cap	30	0	02-Sep-15 A	24-Oct-15 A
BD-13-1030	Pier AD13 - Pier Construction	45	0	03-Dec-15 A	01-Apr-16 A
Pier Table Construction		688	60	26-Jan-15 A	03-Jul-17
Bridge A		553	0	19-May-15 A	13-Apr-17 A
PA-1020	Pier Table Construction at Portal AA2 (2 nos.)	15	0	10-Mar-17 A	27-Mar-17 A
PA-1030	Pier Table Construction at Pier AA3 (3 nos.)	30	0	19-Jan-16 A	25-Feb-16 A
PA-1040	Pier Table Construction at Pier AA4 (3 nos.)	35	0	25-Jan-16 A	05-Mar-16 A
PA-1050	Pier Table Construction at Pier AA5 (4 nos.)	40	0	12-Mar-16 A	27-Jun-16 A
PA-1060	Pier Table Construction at Pier AA6 (3 nos.)	25	0	25-Feb-17 A	13-Apr-17 A
PA-1070	Pier Table Construction at Pier AA7 (3 nos.)	29	0	22-Sep-16 A	20-Oct-16 A
PA-1080	Pier Table Construction at Pier AA8 (3 nos.)	30	0	20-Dec-16 A	07-Jan-17 A
PA-1090	Pier Table Construction at Pier AA9 (4 nos.)	50	0	27-Aug-16 A	14-Nov-16 A



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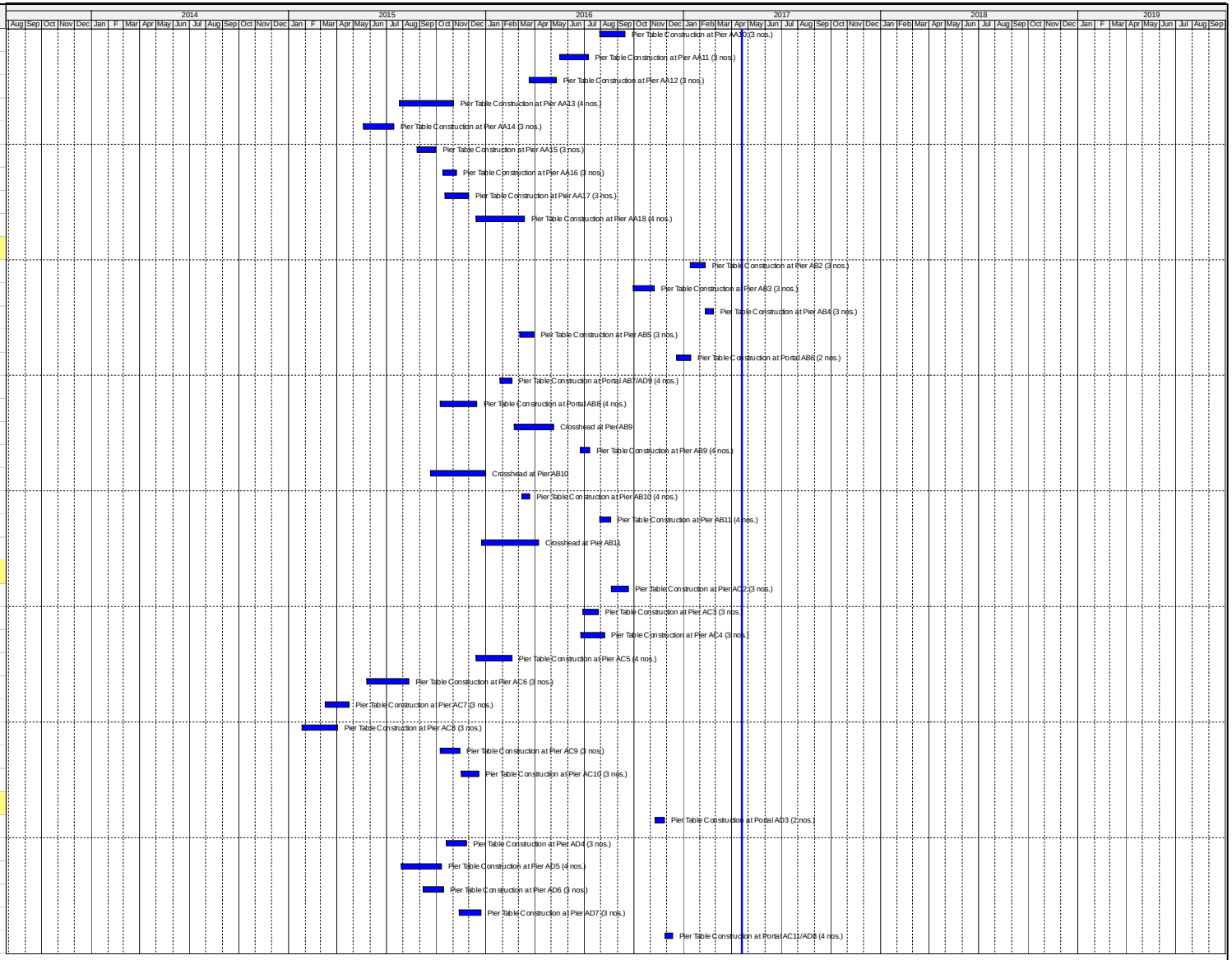
Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
PA-1100	Pier Table Construction at Pier AA10 (3 nos.)	35	0	30-Jul-16 A	14-Sep-16 A
PA-1110	Pier Table Construction at Pier AA11 (3 nos.)	35	0	17-May-16 A	09-Jul-16 A
PA-1120	Pier Table Construction at Pier AA12 (3 nos.)	35	0	21-Mar-16 A	10-May-16 A
PA-1130	Pier Table Construction at Pier AA13 (4 nos.)	45	0	25-Jul-15 A	02-Nov-15 A
PA-1140	Pier Table Construction at Pier AA14 (3 nos.)	40	0	19-May-15 A	14-Jul-15 A
PA-1150	Pier Table Construction at Pier AA15 (3 nos.)	30	0	27-Aug-15 A	30-Sep-15 A
PA-1160	Pier Table Construction at Pier AA16 (3 nos.)	25	0	13-Oct-15 A	07-Nov-15 A
PA-1170	Pier Table Construction at Pier AA17 (3 nos.)	40	0	17-Oct-15 A	30-Nov-15 A
PA-1180	Pier Table Construction at Pier AA18 (4 nos.)	50	0	14-Dec-15 A	12-Mar-16 A
Bridge B		405	0	21-Sep-15 A	25-Feb-17 A
PB-1020	Pier Table Construction at Pier AB2 (3 nos.)	30	0	13-Jan-17 A	10-Feb-17 A
PB-1030	Pier Table Construction at Pier AB3 (3 nos.)	35	0	30-Sep-16 A	07-Nov-16 A
PB-1040	Pier Table Construction at Pier AB4 (3 nos.)	25	0	10-Feb-17 A	25-Feb-17 A
PB-1050	Pier Table Construction at Pier AB5 (3 nos.)	30	0	04-Mar-16 A	30-Mar-16 A
PB-1060	Pier Table Construction at Portal AB6 (2 nos.)	15	0	19-Dec-16 A	14-Jan-17 A
PB-1070	Pier Table Construction at Portal AB7/AD9 (4 nos.)	15	0	27-Jan-16 A	19-Feb-16 A
PB-1080	Pier Table Construction at Portal AB8 (4 nos.)	15	0	08-Oct-15 A	15-Dec-15 A
PB-1090A	Crosshead at Pier AB9	85	0	23-Feb-16 A	05-May-16 A
PB-1090B	Pier Table Construction at Pier AB9 (4 nos.)	15	0	24-Jun-16 A	11-Jul-16 A
PB-1100A	Crosshead at Pier AB10	90	0	21-Sep-15 A	31-Dec-15 A
PB-1100B	Pier Table Construction at Pier AB10 (4 nos.)	15	0	07-Mar-16 A	22-Mar-16 A
PB-1110 A	Pier Table Construction at Pier AB11 (4 nos.)	15	0	30-Jul-16 A	19-Aug-16 A
PB-1110 B	Crosshead at Pier AB11	85	0	24-Dec-15 A	08-Apr-16 A
Bridge C		478	0	26-Jan-15 A	21-Sep-16 A
PC-1020	Pier Table Construction at Pier AC2 (3 nos.)	35	0	20-Aug-16 A	21-Sep-16 A
PC-1030	Pier Table Construction at Pier AC3 (3 nos.)	35	0	29-Jun-16 A	27-Jul-16 A
PC-1040	Pier Table Construction at Pier AC4 (3 nos.)	35	0	25-Jun-16 A	08-Aug-16 A
PC-1050	Pier Table Construction at Pier AC5 (4 nos.)	50	0	14-Dec-15 A	19-Feb-16 A
PC-1060	Pier Table Construction at Pier AC6 (3 nos.)	50	0	26-May-15 A	11-Aug-15 A
PC-1070	Pier Table Construction at Pier AC7 (3 nos.)	35	0	10-Mar-15 A	23-Apr-15 A
PC-1080	Pier Table Construction at Pier AC8 (3 nos.)	40	0	26-Jan-15 A	01-Apr-15 A
PC-1090	Pier Table Construction at Pier AC9 (3 nos.)	30	0	08-Oct-15 A	13-Nov-15 A
PC-1100	Pier Table Construction at Pier AC10 (3 nos.)	30	0	17-Nov-15 A	19-Dec-15 A
Bridge D		560	60	28-Jul-15 A	03-Jul-17
PD-1030	Pier Table Construction at Portal AD3 (2 nos.)	15	0	09-Nov-16 A	26-Nov-16 A
PD-1040	Pier Table Construction at Pier AD4 (3 nos.)	30	0	20-Oct-15 A	26-Nov-15 A
PD-1050	Pier Table Construction at Pier AD5 (4 nos.)	45	0	28-Jul-15 A	10-Oct-15 A
PD-1060	Pier Table Construction at Pier AD6 (3 nos.)	30	0	07-Sep-15 A	14-Oct-15 A
PD-1070	Pier Table Construction at Pier AD7 (3 nos.)	35	0	12-Nov-15 A	22-Dec-15 A
PD-1080	Pier Table Construction at Portal AC11/AD8 (4 nos.)	12	0	28-Nov-16 A	12-Dec-16 A



俊和建築工程有限公司
CHUN WO CONSTRUCTION & ENGINEERING CO., LTD.

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CEDD Contract No. CV/2012/09

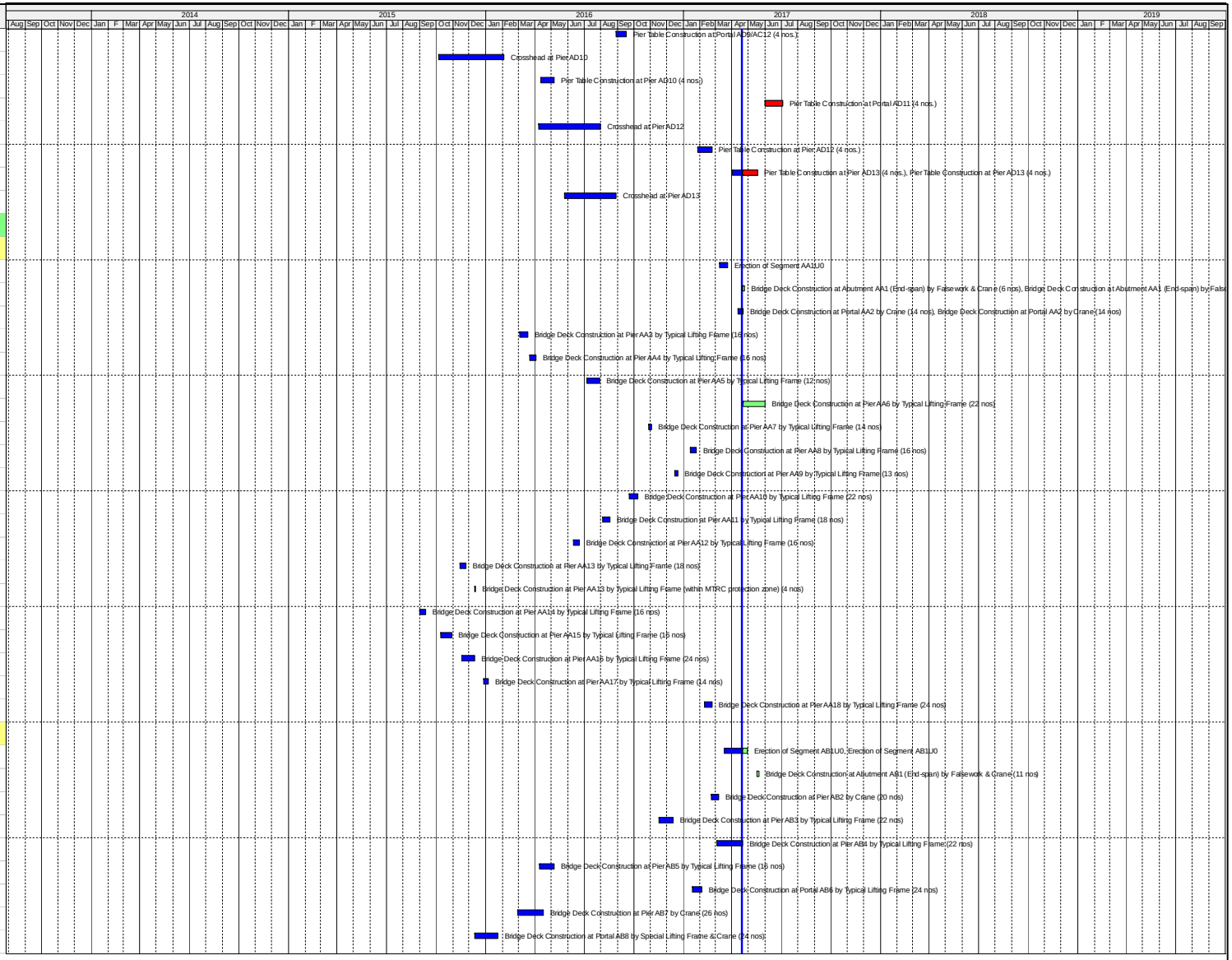
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
PD-1090	Pier Table Construction at Portal AD9/AC12 (4 nos.)	15	0	29-Aug-16 A	17-Sep-16 A
PD-1100A	Crosshead at Pier AD10	90	0	06-Oct-15 A	03-Feb-16 A
PD-1100B	Pier Table Construction at Pier AD10 (4 nos.)	15	0	11-Apr-16 A	07-May-16 A
PD-1110	Pier Table Construction at Portal AD11 (4 nos.)	27	27	01-Jun-17	03-Jul-17
PD-1120A	Crosshead at Pier AD12	90	0	08-Apr-16 A	31-Jul-16 A
PD-1120B	Pier Table Construction at Pier AD12 (4 nos.)	15	0	27-Jan-17 A	23-Feb-17 A
PD-1130	Pier Table Construction at Pier AD13 (4 nos.)	15	23	01-Apr-17 A	18-May-17
PD-1130B	Crosshead at Pier AD13	85	0	26-May-16 A	29-Aug-16 A
Viaduct Bridge Segement Erection		793	243	11-May-15 A	08-Feb-18
Bridge A		459	34	31-Aug-15 A	01-Jun-17
EA-1010A	Erection of Segment AA1U0	20	0	08-Mar-17 A	24-Mar-17 A
EA-1010B	Bridge Deck Construction at Abutment AA1 (End-span) by Falsework & Crane (6 nos)	6	4	19-Apr-17 A	24-Apr-17
EA-1020	Bridge Deck Construction at Portal AA2 by Crane (14 nos)	8	2	12-Apr-17 A	21-Apr-17
EA-1030	Bridge Deck Construction at Pier AA3 by Typical Lifting Frame (16 nos)	13	0	04-Mar-16 A	18-Mar-16 A
EA-1040	Bridge Deck Construction at Pier AA4 by Typical Lifting Frame (16 nos)	8	0	22-Mar-16 A	02-Apr-16 A
EA-1050	Bridge Deck Construction at Pier AA5 by Typical Lifting Frame (12 nos)	22	0	06-Jul-16 A	30-Jul-16 A
EA-1060	Bridge Deck Construction at Pier AA6 by Typical Lifting Frame (22 nos)	32	32	22-Apr-17	01-Jun-17
EA-1070	Bridge Deck Construction at Pier AA7 by Typical Lifting Frame (14 nos)	15	0	29-Oct-16 A	02-Nov-16 A
EA-1080	Bridge Deck Construction at Pier AA8 by Typical Lifting Frame (16 nos)	8	0	13-Jan-17 A	25-Jan-17 A
EA-1090	Bridge Deck Construction at Pier AA9 by Typical Lifting Frame (13 nos)	8	0	15-Dec-16 A	21-Dec-16 A
EA-1100	Bridge Deck Construction at Pier AA10 by Typical Lifting Frame (22 nos)	14	0	22-Sep-16 A	08-Oct-16 A
EA-1110	Bridge Deck Construction at Pier AA11 by Typical Lifting Frame (18 nos)	13	0	04-Aug-16 A	18-Aug-16 A
EA-1120	Bridge Deck Construction at Pier AA12 by Typical Lifting Frame (16 nos)	10	0	11-Jun-16 A	22-Jun-16 A
EA-1130A	Bridge Deck Construction at Pier AA13 by Typical Lifting Frame (18 nos)	10	0	14-Nov-15 A	25-Nov-15 A
EA-1130B	Bridge Deck Construction at Pier AA13 by Typical Lifting Frame (within MTRC protection zone) (4 nos)	2	0	11-Dec-15 A	12-Dec-15 A
EA-1140	Bridge Deck Construction at Pier AA14 by Typical Lifting Frame (16 nos)	11	0	31-Aug-15 A	11-Sep-15 A
EA-1150	Bridge Deck Construction at Pier AA15 by Typical Lifting Frame (16 nos)	18	0	09-Oct-15 A	30-Oct-15 A
EA-1160	Bridge Deck Construction at Pier AA16 by Typical Lifting Frame (24 nos)	21	0	18-Nov-15 A	11-Dec-15 A
EA-1170	Bridge Deck Construction at Pier AA17 by Typical Lifting Frame (14 nos)	7	0	28-Dec-15 A	05-Jan-16 A
EA-1180	Bridge Deck Construction at Pier AA18 by Typical Lifting Frame (24 nos)	9	0	09-Feb-17 A	22-Feb-17 A
Bridge B		407	47	11-Dec-15 A	16-Jun-17
EB-1010A	Erection of Segment AB1U0	25	9	18-Mar-17 A	29-Apr-17
EB-1010B	Bridge Deck Construction at Abutment AB1 (End-span) by Falsework & Crane (11 nos)	4	4	17-May-17*	20-May-17
EB-1020	Bridge Deck Construction at Pier AB2 by Crane (20 nos)	12	0	22-Feb-17 A	07-Mar-17 A
EB-1030	Bridge Deck Construction at Pier AB3 by Typical Lifting Frame (22 nos)	23	0	17-Nov-16 A	13-Dec-16 A
EB-1040	Bridge Deck Construction at Pier AB4 by Typical Lifting Frame (22 nos)	33	0	03-Mar-17 A	20-Apr-17 A
EB-1050	Bridge Deck Construction at Pier AB5 by Typical Lifting Frame (16 nos)	24	0	09-Apr-16 A	07-May-16 A
EB-1060	Bridge Deck Construction at Portal AB6 by Typical Lifting Frame (24 nos)	6	0	17-Jan-17 A	04-Feb-17 A
EB-1070	Bridge Deck Construction at Pier AB7 by Crane (26 nos)	38	0	29-Feb-16 A	16-Apr-16 A
EB-1080	Bridge Deck Construction at Portal AB8 by Special Lifting Frame & Crane (24 nos)	35	0	11-Dec-15 A	23-Jan-16 A



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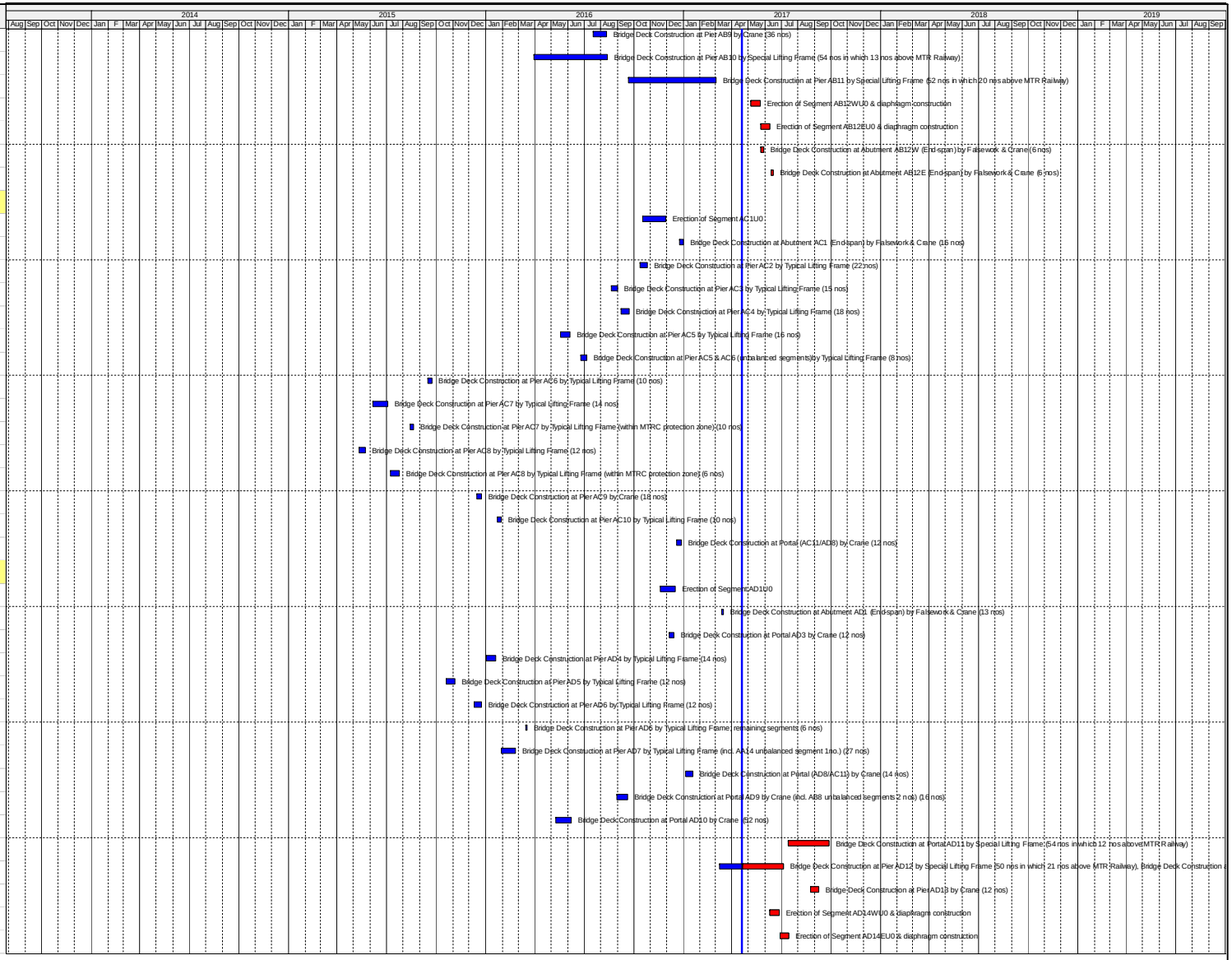
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
EB-1090	Bridge Deck Construction at Pier AB9 by Crane (36 nos)	22	0	18-Jul-16 A	11-Aug-16 A
EB-1100	Bridge Deck Construction at Pier AB10 by Special Lifting Frame (54 nos in which 13 nos above MTR Railway)	112	0	30-Mar-16 A	12-Aug-16 A
EB-1110	Bridge Deck Construction at Pier AB11 by Special Lifting Frame (52 nos in which 20 nos above MTR Railway)	107	0	21-Sep-16 A	02-Mar-17 A
EB-1120A	Erection of Segment AB12WU0 & diaphragm construction	15	15	06-May-17	23-May-17
EB-1120B	Erection of Segment AB12EU0 & diaphragm construction	14	14	24-May-17	09-Jun-17
EB-1120C	Bridge Deck Construction at Abutment AB12W (End-span) by Falsework & Crane (6 nos)	5	5	24-May-17	29-May-17
EB-1120D	Bridge Deck Construction at Abutment AB12E (End-span) by Falsework & Crane (6 nos)	5	5	12-Jun-17	16-Jun-17
Bridge C		492	0	11-May-15 A	31-Dec-16 A
EC-1010A	Erection of Segment AC1U0	27	0	17-Oct-16 A	29-Nov-16 A
EC-1010C	Bridge Deck Construction at Abutment AC1 (End-span) by Falsework & Crane (16 nos)	8	0	24-Dec-16 A	31-Dec-16 A
EC-1020	Bridge Deck Construction at Pier AC2 by Typical Lifting Frame (22 nos)	13	0	12-Oct-16 A	26-Oct-16 A
EC-1030	Bridge Deck Construction at Pier AC3 by Typical Lifting Frame (15 nos)	10	0	20-Aug-16 A	31-Aug-16 A
EC-1040	Bridge Deck Construction at Pier AC4 by Typical Lifting Frame (18 nos)	15	0	07-Sep-16 A	22-Sep-16 A
EC-1050A	Bridge Deck Construction at Pier AC5 by Typical Lifting Frame (16 nos)	16	0	18-May-16 A	04-Jun-16 A
EC-1050B	Bridge Deck Construction at Pier AC5 & AC6 (unbalanced segments)by Typical Lifting Frame (8 nos)	9	0	25-Jun-16 A	06-Jul-16 A
EC-1060	Bridge Deck Construction at Pier AC6 by Typical Lifting Frame (10 nos)	7	0	16-Sep-15 A	23-Sep-15 A
EC-1070A	Bridge Deck Construction at Pier AC7 by Typical Lifting Frame (14 nos)	22	0	06-Jun-15 A	03-Jul-15 A
EC-1070B	Bridge Deck Construction at Pier AC7 by Typical Lifting Frame (within MTRC protection zone) (10 nos)	6	0	14-Aug-15 A	20-Aug-15 A
EC-1080A	Bridge Deck Construction at Pier AC8 by Typical Lifting Frame (12 nos)	11	0	11-May-15 A	22-May-15 A
EC-1080B	Bridge Deck Construction at Pier AC8 by Typical Lifting Frame (within MTRC protection zone) (6 nos)	16	0	08-Jul-15 A	25-Jul-15 A
EC-1090	Bridge Deck Construction at Pier AC9 by Crane (18 nos)	9	0	15-Dec-15 A	24-Dec-15 A
EC-1100	Bridge Deck Construction at Pier AC10 by Typical Lifting Frame (10 nos)	7	0	22-Jan-16 A	29-Jan-16 A
EC-1110	Bridge Deck Construction at Portal (AC11/AD8) by Crane (12 nos)	7	0	19-Dec-16 A	28-Dec-16 A
Bridge D		598	169	20-Oct-15 A	10-Nov-17
ED-1010A	Erection of Segment AD1U0	27	0	19-Nov-16 A	16-Dec-16 A
ED-1010B	Bridge Deck Construction at Abutment AD1 (End-span) by Falsework & Crane (13 nos)	12	0	13-Mar-17 A	16-Mar-17 A
ED-1030	Bridge Deck Construction at Portal AD3 by Crane (12 nos)	6	0	05-Dec-16 A	14-Dec-16 A
ED-1040	Bridge Deck Construction at Pier AD4 by Typical Lifting Frame (14 nos)	15	0	02-Jan-16 A	19-Jan-16 A
ED-1050	Bridge Deck Construction at Pier AD5 by Typical Lifting Frame (12 nos)	14	0	20-Oct-15 A	05-Nov-15 A
ED-1060A	Bridge Deck Construction at Pier AD6 by Typical Lifting Frame (12 nos)	13	0	10-Dec-15 A	24-Dec-15 A
ED-1060B	Bridge Deck Construction at Pier AD6 by Typical Lifting Frame; remaining segments (6 nos)	3	0	15-Mar-16 A	17-Mar-16 A
ED-1070	Bridge Deck Construction at Pier AD7 by Typical Lifting Frame (incl. AA14 unbalanced segment 1no.) (27 nos)	18	0	29-Jan-16 A	25-Feb-16 A
ED-1080	Bridge Deck Construction at Portal (AD8/AC11) by Crane (14 nos)	8	0	05-Jan-17 A	18-Jan-17 A
ED-1090	Bridge Deck Construction at Portal AD9 by Crane (incl. AB8 unbalanced segments 2 nos) (16 nos)	29	0	31-Aug-16 A	19-Sep-16 A
ED-1100	Bridge Deck Construction at Portal AD10 by Crane (52 nos)	25	0	09-May-16 A	07-Jun-16 A
ED-1110	Bridge Deck Construction at Portal AD11 by Special Lifting Frame (54 nos in which 12 nos above MTR Railway)	65	65	14-Jul-17	27-Sep-17
ED-1120	Bridge Deck Construction at Pier AD12 by Special Lifting Frame (50 nos in which 21 nos above MTR Railway)	79	62	09-Mar-17 A	05-Jul-17
ED-1130	Bridge Deck Construction at Pier AD13 by Crane (12 nos)	14	14	24-Aug-17	08-Sep-17
ED-1140A	Erection of Segment AD14WU0 & diaphragm construction	15	15	10-Jun-17	27-Jun-17
ED-1140B	Erection of Segment AD14EU0 & diaphragm construction	15	15	28-Jun-17	15-Jul-17



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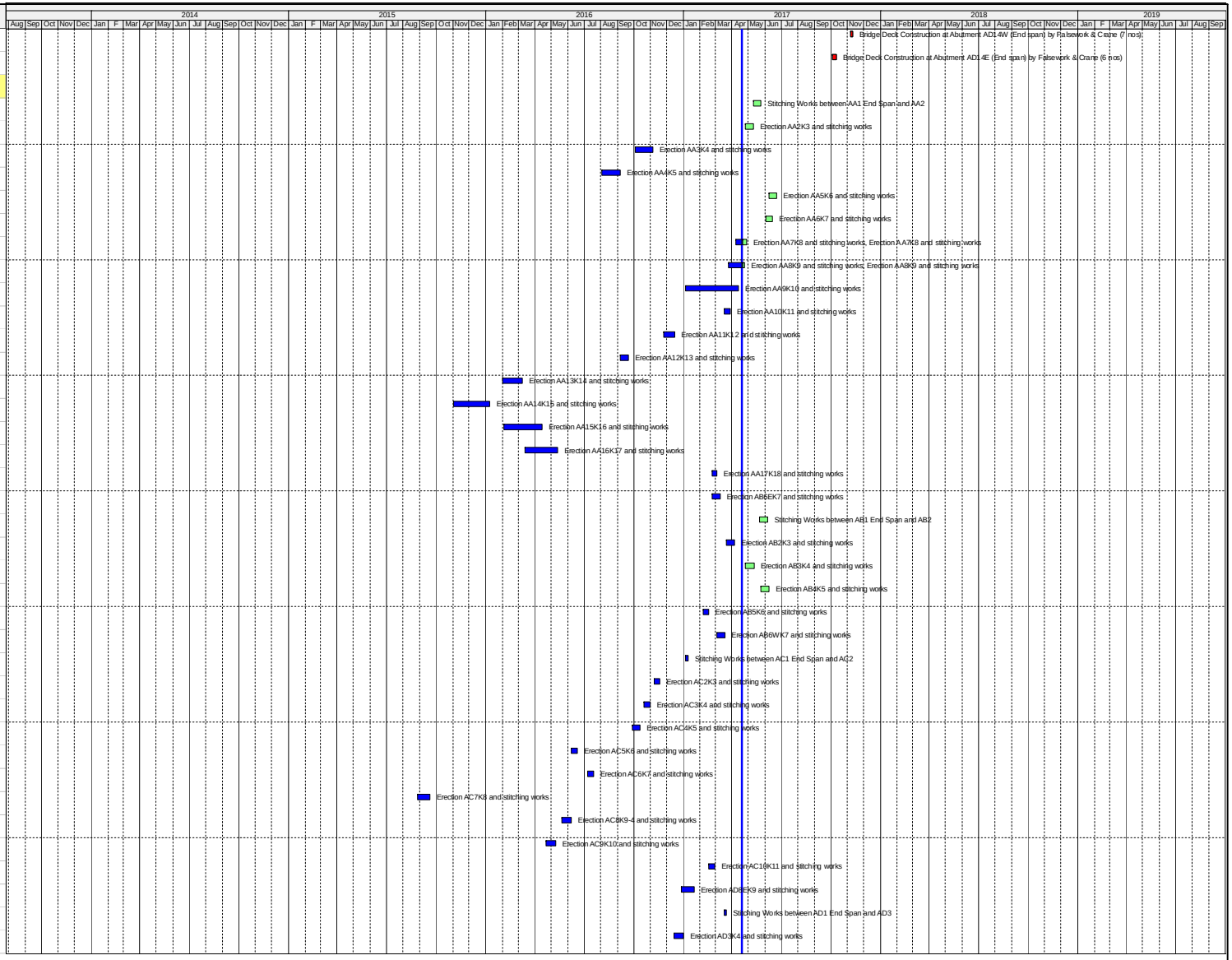
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
ED-1140C	Bridge Deck Construction at Abutment AD14W (End span) by Falsework & Crane (7 nos)	5	5	06-Nov-17	10-Nov-17
ED-1140C10	Bridge Deck Construction at Abutment AD14E (End span) by Falsework & Crane (6 nos)	6	6	04-Oct-17	11-Oct-17
Key Segment Erection and Stitch Casting (Wide-box Section)		118	52	28-Aug-15 A	22-Jun-17
KS-A-1010	Stitching Works between AA1 End Span and AA2	12	12	11-May-17	24-May-17
KS-A-1020	Erection AA2K3 and stitching works	12	12	25-Apr-17	10-May-17
KS-A-1030	Erection AA3K4 and stitching works	14	0	03-Oct-16 A	05-Nov-16 A
KS-A-1040	Erection AA4K5 and stitching works	14	0	03-Aug-16 A	05-Sep-16 A
KS-A-1050	Erection AA5K6 and stitching works	12	12	09-Jun-17	22-Jun-17
KS-A-1060	Erection AA6K7 and stitching works	12	12	02-Jun-17	15-Jun-17
KS-A-1070	Erection AA7K8 and stitching works	12	7	08-Apr-17 A	27-Apr-17
KS-A-1080	Erection AA8K9 and stitching works	12	4	25-Mar-17 A	24-Apr-17
KS-A-1090	Erection AA9K10 and stitching works	12	0	05-Jan-17 A	12-Apr-17 A
KS-A-1100	Erection AA10K11 and stitching works	12	0	17-Mar-17 A	29-Mar-17 A
KS-A-1110	Erection AA11K12 and stitching works	14	0	26-Nov-16 A	15-Dec-16 A
KS-A-1120	Erection AA12K13 and stitching works	14	0	06-Sep-16 A	21-Sep-16 A
KS-A-1130	Erection AA13K14 and stitching works	14	0	01-Feb-16 A	08-Mar-16 A
KS-A-1140	Erection AA14K15 and stitching works	14	0	02-Nov-15 A	08-Jan-16 A
KS-A-1150	Erection AA15K16 and stitching works	14	0	04-Feb-16 A	14-Apr-16 A
KS-A-1160	Erection AA16K17 and stitching works	14	0	14-Mar-16 A	13-May-16 A
KS-A-1170	Erection AA17K18 and stitching works	12	0	23-Feb-17 A	03-Mar-17 A
KS-A-1180	Erection AB6EK7 and stitching works	12	0	23-Feb-17 A	09-Mar-17 A
KS-B-1010	Stitching Works between AB1 End Span and AB2	12	12	22-May-17	05-Jun-17
KS-B-1020	Erection AB2K3 and stitching works	12	0	21-Mar-17 A	05-Apr-17 A
KS-B-1030	Erection AB3K4 and stitching works	12	12	26-Apr-17*	11-May-17
KS-B-1040	Erection AB4K5 and stitching works	12	12	25-May-17	08-Jun-17
KS-B-1050	Erection AB5K6 and stitching works	14	0	06-Feb-17 A	16-Feb-17 A
KS-B-1060A	Erection AB6WK7 and stitching works	12	0	03-Mar-17 A	18-Mar-17 A
KS-C-1010	Stitching Works between AC1 End Span and AC2	14	0	05-Jan-17 A	10-Jan-17 A
KS-C-1020	Erection AC2K3 and stitching works	14	0	08-Nov-16 A	17-Nov-16 A
KS-C-1030	Erection AC3K4 and stitching works	14	0	20-Oct-16 A	31-Oct-16 A
KS-C-1040	Erection AC4K5 and stitching works	14	0	29-Sep-16 A	12-Oct-16 A
KS-C-1050	Erection AC5K6 and stitching works	14	0	07-Jun-16 A	18-Jun-16 A
KS-C-1060	Erection AC6K7 and stitching works	14	0	07-Jul-16 A	18-Jul-16 A
KS-C-1070	Erection AC7K8 and stitching works	14	0	28-Aug-15 A	19-Sep-15 A
KS-C-1080	Erection AC8K9-4 and stitching works	14	0	21-May-16 A	07-Jun-16 A
KS-C-1090	Erection AC9K10 and stitching works	14	0	22-Apr-16 A	09-May-16 A
KS-C-1100	Erection AC10K11 and stitching works	14	0	17-Feb-17 A	27-Feb-17 A
KS-C-1110	Erection AD8EK9 and stitching works	14	0	28-Dec-16 A	21-Jan-17 A
KS-D-1010	Stitching Works between AD1 End Span and AD3	12	0	17-Mar-17 A	21-Mar-17 A
KS-D-1030	Erection AD3K4 and stitching works	14	0	14-Dec-16 A	31-Dec-16 A



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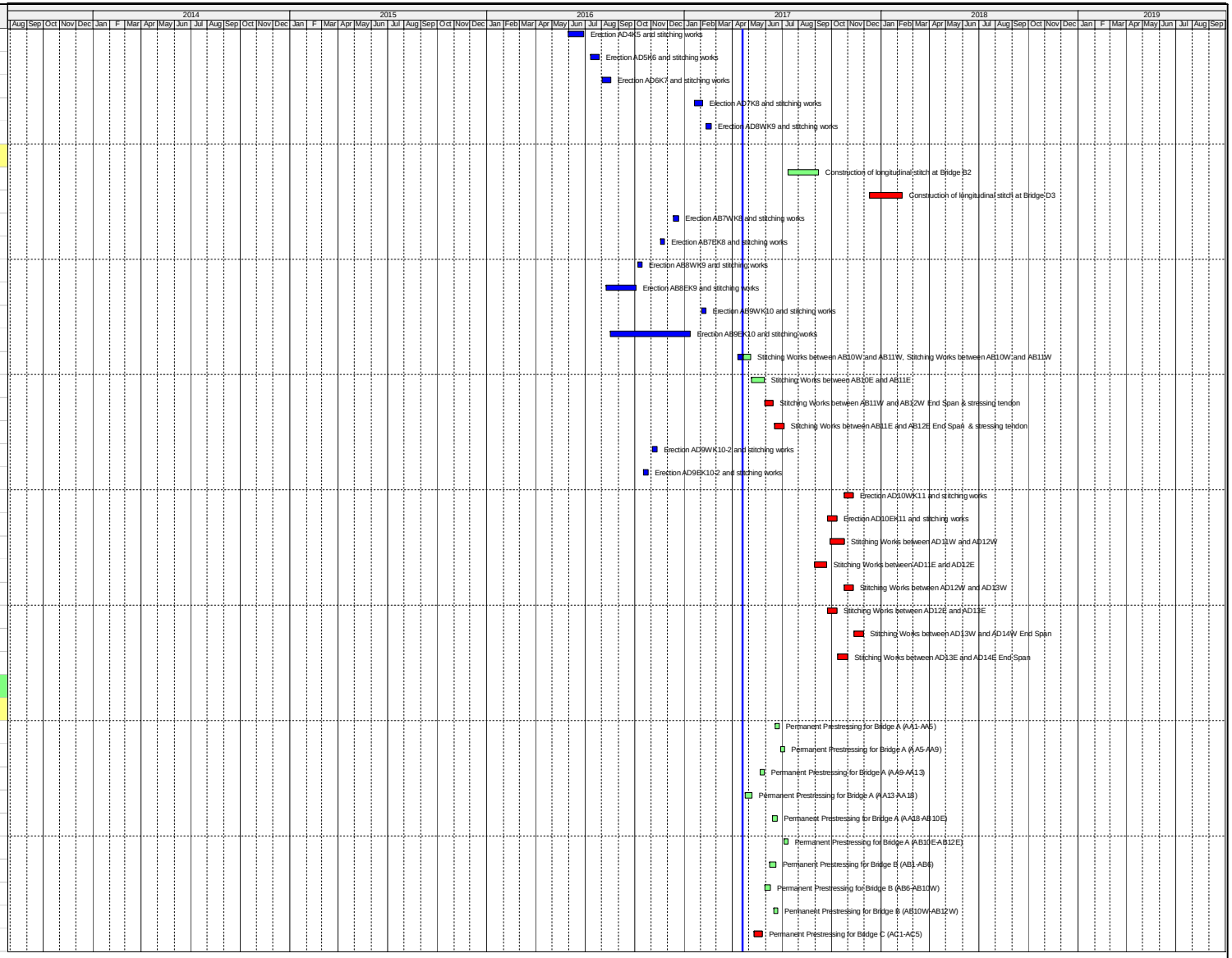
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision UMP05B)

Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
KS-D-1040	Erection AD4K5 and stitching works	14	0	31-May-16 A	28-Jun-16 A
KS-D-1050	Erection AD5K6 and stitching works	14	0	11-Jul-16 A	27-Jul-16 A
KS-D-1060	Erection AD6K7 and stitching works	14	0	01-Aug-16 A	18-Aug-16 A
KS-D-1070	Erection AD7K8 and stitching works	14	0	20-Jan-17 A	04-Feb-17 A
KS-D-1080	Erection AD8WK9 and stitching works	14	0	10-Feb-17 A	20-Feb-17 A
Key Segment Erection and Stitch Casting (Narrow-box Section)		298	243	09-Aug-16 A	08-Feb-18
KD-B-2000	Construction of longitudinal stitch at Bridge B2	49	49	13-Jul-17	07-Sep-17
KD-D-2000	Construction of longitudinal stitch at Bridge D3	49	49	11-Dec-17	08-Feb-18
KS-B-1070A	Erection AB7WK8 and stitching works	12	0	12-Dec-16 A	21-Dec-16 A
KS-B-1070B	Erection AB7EK8 and stitching works	12	0	18-Nov-16 A	25-Nov-16 A
KS-B-1080A	Erection AB8WK9 and stitching works	12	0	07-Oct-16 A	15-Oct-16 A
KS-B-1080B	Erection AB8EK9 and stitching works	12	0	09-Aug-16 A	03-Oct-16 A
KS-B-1090A	Erection AB9WK10 and stitching works	12	0	02-Feb-17 A	10-Feb-17 A
KS-B-1090B	Erection AB9EK10 and stitching works	12	0	17-Aug-16 A	12-Jan-17 A
KS-B-1100A	Stitching Works between AB10W and AB11W	25	11	10-Apr-17 A	04-May-17
KS-B-1100B	Stitching Works between AB10E and AB11E	21	21	05-May-17	29-May-17
KS-B-1110A	Stitching Works between AB11W and AB12W End Span & stressing tendon	14	14	31-May-17	15-Jun-17
KS-B-1110B	Stitching Works between AB11E and AB12E End Span & stressing tendon	14	14	17-Jun-17	04-Jul-17
KS-D-1090A	Erection AD9WK10-2 and stitching works	12	0	03-Nov-16 A	11-Nov-16 A
KS-D-1090B	Erection AD9EK10-2 and stitching works	12	0	18-Oct-16 A	26-Oct-16 A
KS-D-1100A	Erection AD10WK11 and stitching works	14	14	25-Oct-17	10-Nov-17
KS-D-1100B	Erection AD10EK11 and stitching works	14	14	23-Sep-17	11-Oct-17
KS-D-1110A	Stitching Works between AD11W and AD12W	21	21	28-Sep-17	24-Oct-17
KS-D-1110B	Stitching Works between AD11E and AD12E	21	21	30-Aug-17	22-Sep-17
KS-D-1120A	Stitching Works between AD12W and AD13W	14	14	25-Oct-17	10-Nov-17
KS-D-1120B	Stitching Works between AD12E and AD13E	14	14	23-Sep-17	11-Oct-17
KS-D-1130A	Stitching Works between AD13W and AD14W End Span	16	16	11-Nov-17	29-Nov-17
KS-D-1130B	Stitching Works between AD13E and AD14E End Span	16	16	12-Oct-17	31-Oct-17
Major Works on Deck Surfaces		363	324	12-Dec-16 A	28-May-18
Permanent External Tendon Stressing Works		233	191	12-Dec-16 A	09-Dec-17
PP-A-1010	Permanent Prestressing for Bridge A (AA1-AA5)	7	7	19-Jun-17	26-Jun-17
PP-A-1020	Permanent Prestressing for Bridge A (AA5-AA9)	7	7	28-Jun-17	06-Jul-17
PP-A-1030	Permanent Prestressing for Bridge A (AA9-AA13)	7	7	22-May-17	29-May-17
PP-A-1040	Permanent Prestressing for Bridge A (AA13-AA18)	10	10	24-Apr-17*	06-May-17
PP-A-1050	Permanent Prestressing for Bridge A (AA18-AB10E)	9	9	13-Jun-17	22-Jun-17
PP-A-1060	Permanent Prestressing for Bridge A (AB10E-AB12E)	7	7	05-Jul-17	12-Jul-17
PP-B-1010	Permanent Prestressing for Bridge B (AB1-AB6)	9	9	09-Jun-17*	19-Jun-17
PP-B-1020	Permanent Prestressing for Bridge B (AB6-AB10W)	9	9	31-May-17	09-Jun-17
PP-B-1030	Permanent Prestressing for Bridge B (AB10W-AB12W)	7	7	16-Jun-17	23-Jun-17
PP-C-1010	Permanent Prestressing for Bridge C (AC1-AC5)	14	14	10-May-17*	25-May-17



Actual Work
Remaining Work
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俊和建築工程有限公司
CHUN WO CONSTRUCTION & ENGINEERING CO., LTD.

CEDD Contract No. CV/2012/09

Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

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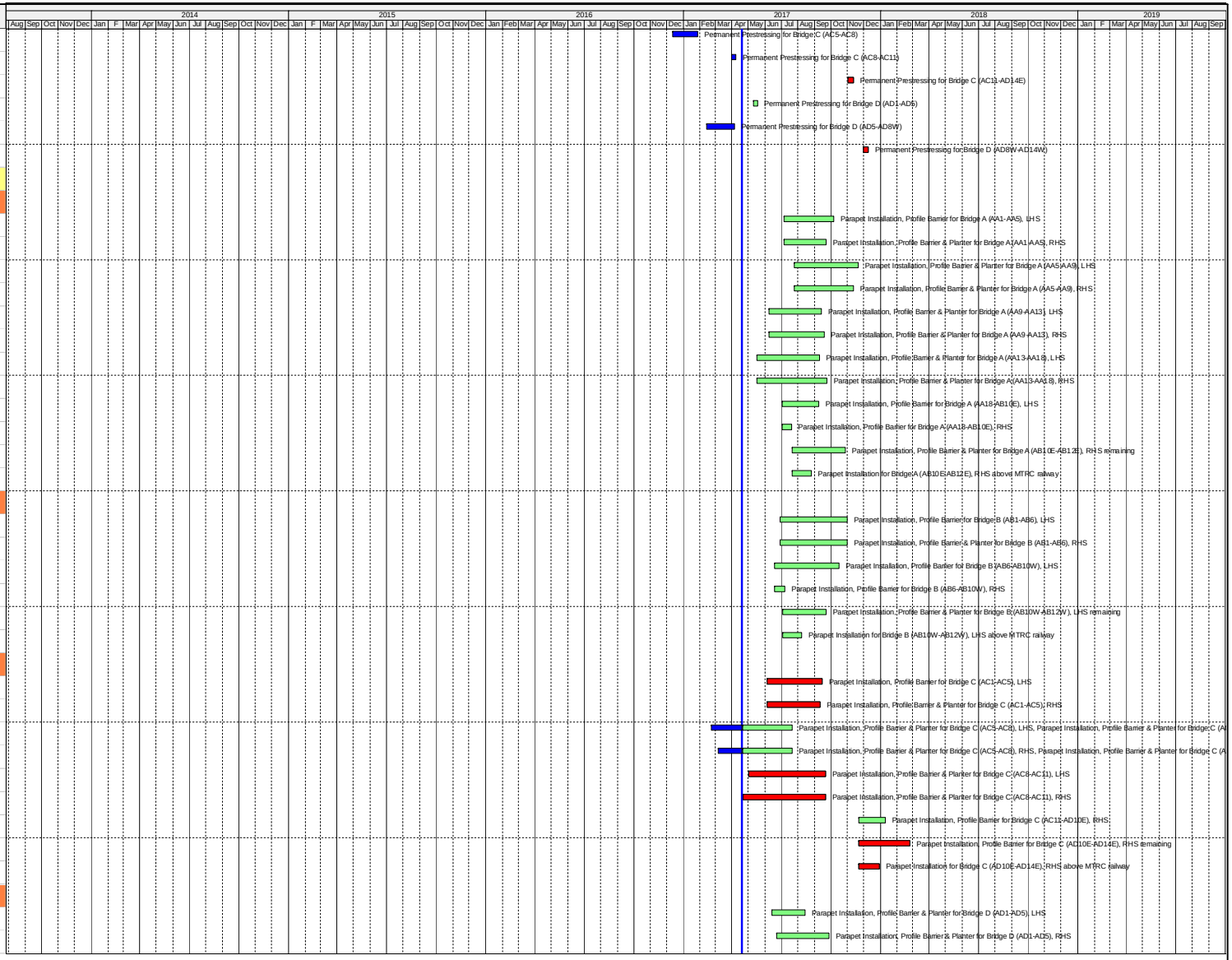
Programme ID: UMP05B (Data Date: 20-Apr-17)_____Print Date: 13-May-17

Date	Revision	Checked	Approved
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
PP-C-1020	Permanent Prestressing for Bridge C (AC5-AC8)	30	0	12-Dec-16 A	27-Jan-17 A
PP-C-1030	Permanent Prestressing for Bridge C (AC8-AC11)	17	0	31-Mar-17 A	08-Apr-17 A
PP-C-1040	Permanent Prestressing for Bridge C (AC11-AD14E)	10	10	01-Nov-17	11-Nov-17
PP-D-1010	Permanent Prestressing for Bridge D (AD1-AD5)	7	7	11-May-17	18-May-17
PP-D-1020	Permanent Prestressing for Bridge D (AD5-AD8W)	21	0	13-Feb-17 A	06-Apr-17 A
PP-D-1030	Permanent Prestressing for Bridge D (AD8W-AD14W)	9	9	30-Nov-17	09-Dec-17
Parapet Installation		274	274	22-Feb-17 A	23-Mar-18
Bridge A		156	156	17-May-17	20-Nov-17
PI-A-1010L	Parapet Installation, Profile Barrier for Bridge A (AA1-AA5), LHS	78	78	06-Jul-17	06-Oct-17
PI-A-1010R	Parapet Installation, Profile Barrier & Planter for Bridge A (AA1-AA5), RHS	68	68	06-Jul-17	22-Sep-17
PI-A-1020L	Parapet Installation, Profile Barrier & Planter for Bridge A (AA5-AA9), LHS	99	99	25-Jul-17	20-Nov-17
PI-A-1020R	Parapet Installation, Profile Barrier & Planter for Bridge A (AA5-AA9), RHS	92	92	25-Jul-17	11-Nov-17
PI-A-1030L	Parapet Installation, Profile Barrier & Planter for Bridge A (AA9-AA13), LHS	83	83	08-Jun-17	13-Sep-17
PI-A-1030R	Parapet Installation, Profile Barrier & Planter for Bridge A (AA9-AA13), RHS	87	87	08-Jun-17	18-Sep-17
PI-A-1040L	Parapet Installation, Profile Barrier & Planter for Bridge A (AA13-AA18), LHS	98	98	17-May-17	09-Sep-17
PI-A-1040R	Parapet Installation, Profile Barrier & Planter for Bridge A (AA13-AA18), RHS	110	110	17-May-17	23-Sep-17
PI-A-1050L	Parapet Installation, Profile Barrier for Bridge A (AA18-AB10E), LHS	59	59	03-Jul-17	08-Sep-17
PI-A-1050R	Parapet Installation, Profile Barrier for Bridge A (AA18-AB10E), RHS	16	16	03-Jul-17	20-Jul-17
PI-A-1060R	Parapet Installation, Profile Barrier & Planter for Bridge A (AB10E-AB12E), RHS remaining	83	83	21-Jul-17	27-Oct-17
PI-A-1060RM	Parapet Installation for Bridge A (AB10E-AB12E), RHS above MTRC railway	31	31	21-Jul-17	25-Aug-17
Bridge B		112	112	19-Jun-17	31-Oct-17
PI-B-1010L	Parapet Installation, Profile Barrier for Bridge B (AB1-AB6), LHS	103	103	29-Jun-17	31-Oct-17
PI-B-1010R	Parapet Installation, Profile Barrier & Planter for Bridge B (AB1-AB6), RHS	103	103	29-Jun-17	31-Oct-17
PI-B-1020L	Parapet Installation, Profile Barrier for Bridge B (AB6-AB10W), LHS	100	100	19-Jun-17	16-Oct-17
PI-B-1020R	Parapet Installation, Profile Barrier for Bridge B (AB6-AB10W), RHS	16	16	19-Jun-17	07-Jul-17
PI-B-1030L	Parapet Installation, Profile Barrier & Planter for Bridge B (AB10W-AB12W), LHS remaining	70	70	04-Jul-17	22-Sep-17
PI-B-1030LM	Parapet Installation for Bridge B (AB10W-AB12W), LHS above MTRC railway	31	31	04-Jul-17	08-Aug-17
Bridge C		251	251	22-Feb-17 A	24-Feb-18
PI-C-1010L	Parapet Installation, Profile Barrier for Bridge C (AC1-AC5), LHS	87	87	05-Jun-17	14-Sep-17
PI-C-1010R	Parapet Installation, Profile Barrier & Planter for Bridge C (AC1-AC5), RHS	84	84	05-Jun-17	11-Sep-17
PI-C-1020L	Parapet Installation, Profile Barrier & Planter for Bridge C (AC5-AC8), LHS	121	76	22-Feb-17 A	21-Jul-17
PI-C-1020R	Parapet Installation, Profile Barrier & Planter for Bridge C (AC5-AC8), RHS	110	76	07-Mar-17 A	21-Jul-17
PI-C-1030L	Parapet Installation, Profile Barrier & Planter for Bridge C (AC8-AC11), LHS	119	119	02-May-17	20-Sep-17
PI-C-1030R	Parapet Installation, Profile Barrier & Planter for Bridge C (AC8-AC11), RHS	126	126	22-Apr-17	20-Sep-17
PI-C-1040R	Parapet Installation, Profile Barrier for Bridge C (AC11-AD10E), RHS	40	40	21-Nov-17	09-Jan-18
PI-C-1050R	Parapet Installation, Profile Barrier for Bridge C (AD10E-AD14E), RHS remaining	74	74	21-Nov-17	24-Feb-18
PI-C-1050RM	Parapet Installation for Bridge C (AD10E-AD14E), RHS above MTRC railway	32	32	21-Nov-17	29-Dec-17
Bridge D		260	260	09-May-17	23-Mar-18
PI-D-1010L	Parapet Installation, Profile Barrier & Planter for Bridge D (AD1-AD5), LHS	52	52	14-Jun-17	14-Aug-17
PI-D-1010R	Parapet Installation, Profile Barrier & Planter for Bridge D (AD1-AD5), RHS	83	83	22-Jun-17	27-Sep-17



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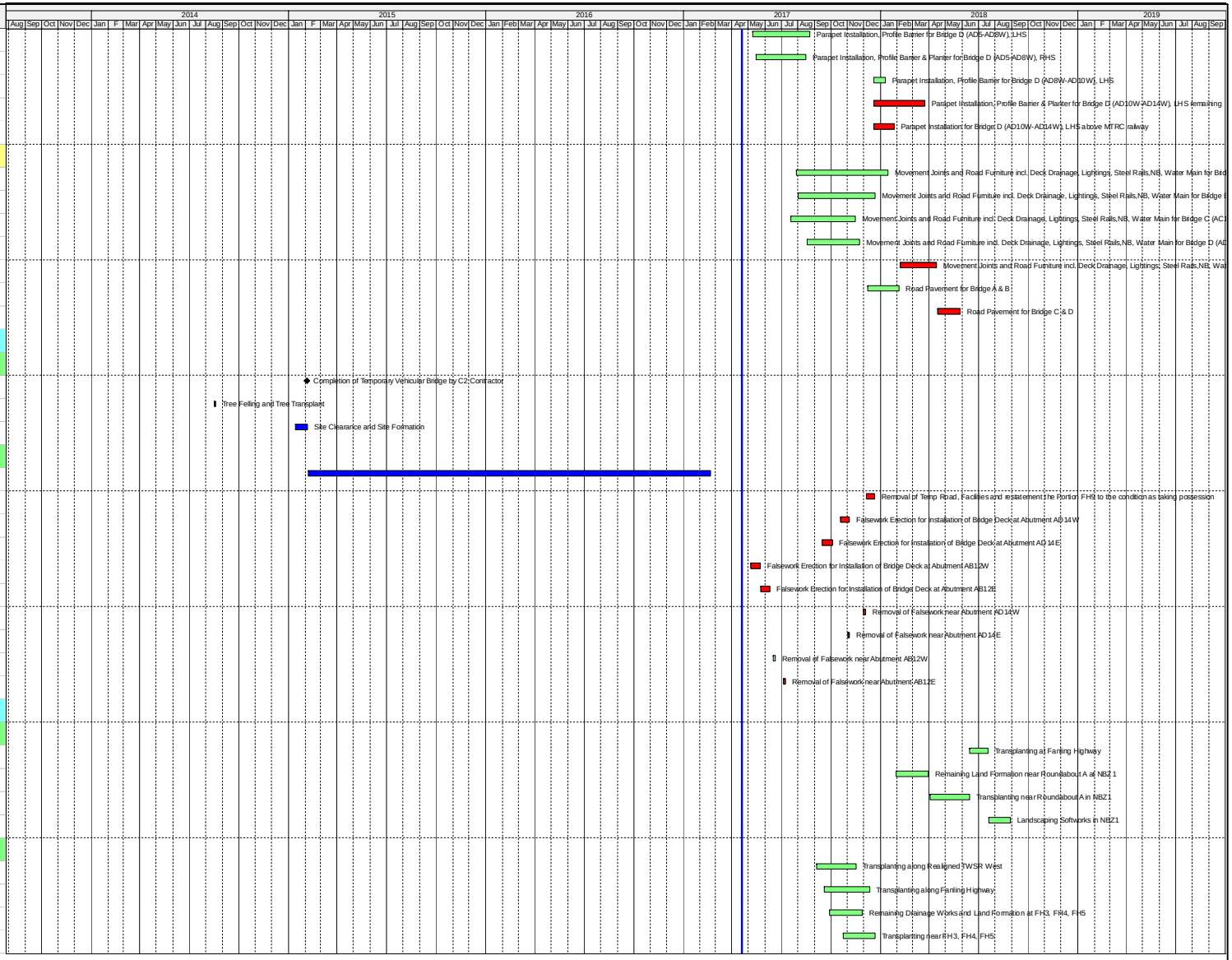
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
PI-D-1020L	Parapet Installation, Profile Barrier for Bridge D (AD5-AD8W), LHS	90	90	09-May-17	23-Aug-17
PI-D-1020R	Parapet Installation, Profile Barrier & Planter for Bridge D (AD5-AD8W), RHS	78	78	15-May-17	15-Aug-17
PI-D-1030L	Parapet Installation, Profile Barrier for Bridge D (AD8W-AD10W), LHS	16	16	19-Dec-17	09-Jan-18
PI-D-1040L	Parapet Installation, Profile Barrier & Planter for Bridge D (AD10W-AD14W), LHS remaining	73	73	19-Dec-17	23-Mar-18
PI-D-1040LM	Parapet Installation for Bridge D (AD10W-AD14W), LHS above MTRC railway	31	31	19-Dec-17	26-Jan-18
Roadworks, Road Facilities and Miscellaneous inside Viaduct Internal Voids		251	251	19-Jul-17	28-May-18
RS-1000	Movement Joints and Road Furniture incl. Deck Drainage, Lightings, Steel Rails,NB, Water Main for Bridge A (AA1 to AB12)	140	140	29-Jul-17	15-Jan-18
RS-1010	Movement Joints and Road Furniture incl. Deck Drainage, Lightings, Steel Rails,NB, Water Main for Bridge B (AB1 to AB12)	120	120	02-Aug-17	22-Dec-17
RS-1020	Movement Joints and Road Furniture incl. Deck Drainage, Lightings, Steel Rails,NB, Water Main for Bridge C (AC1 to AD10)	100	100	19-Jul-17	15-Nov-17
RS-1030	Movement Joints and Road Furniture incl. Deck Drainage, Lightings, Steel Rails,NB, Water Main for Bridge D (AD1 to AD8)	80	80	18-Aug-17	22-Nov-17
RS-1040	Movement Joints and Road Furniture incl. Deck Drainage, Lightings, Steel Rails,NB, Water Main for Bridge D (AD8 to AD14	49	49	06-Feb-18	14-Apr-18
RS-1050	Road Pavement for Bridge A & B	47	47	08-Dec-17	03-Feb-18
RS-1060	Road Pavement for Bridge C & D	35	35	16-Apr-18	28-May-18
Section VI - Works in Portion FH9 (KD-6A)		872	191	16-Aug-14 A	20-Dec-17
Preliminary Preparation Works		62	0	16-Aug-14 A	04-Feb-15 A
S6-1000	Completion of Temporary Vehicular Bridge by C2 Contractor	0	0		03-Feb-15 A
S6-1010	Tree Felling and Tree Transplant	7	0	16-Aug-14 A	19-Aug-14 A
S6-1020	Site Clearance and Site Formation	21	0	13-Jan-15 A	04-Feb-15 A
Major Works		831	191	06-Feb-15 A	20-Dec-17
S6-2000*	Construction of Abutment AB12/AD14 (including Piling, Pile Cap & Abutment construction)	276	0	06-Feb-15 A	20-Feb-17 A
S6-3000	Removal of Temp Road, Facilities and reestatement the Portion FH9 to the condition as taking possession	14	14	05-Dec-17	20-Dec-17
S6-4000	Falsework Erection for Installation of Bridge Deck at Abutment AD14W	15	15	18-Oct-17*	04-Nov-17
S6-4010	Falsework Erection for Installation of Bridge Deck at Abutment AD14E	15	15	15-Sep-17*	03-Oct-17
S6-4020	Falsework Erection for Installation of Bridge Deck at Abutment AB12W	15	15	06-May-17	23-May-17
S6-4030	Falsework Erection for Installation of Bridge Deck at Abutment AB12E	15	15	24-May-17	10-Jun-17
S6-5000	Removal of Falsework near Abutment AD14W	4	4	30-Nov-17	04-Dec-17
S6-5010	Removal of Falsework near Abutment AD14E	4	4	01-Nov-17	04-Nov-17
S6-5020	Removal of Falsework near Abutment AB12W	4	4	16-Jun-17	20-Jun-17
S6-5030	Removal of Falsework near Abutment AB12E	4	4	05-Jul-17	08-Jul-17
Landscaping & Establishment Works (KD-4, 4A, 5, 5A, 6)		581	581	05-Sep-17	29-Aug-19
Secton IIIA - Landscaping Softworks in NBZ1		168	168	30-Jan-18	29-Aug-18
S3A-1000	Transplanting at Fanling Highway	28	28	15-Jun-18	19-Jul-18
S3A-1010	Remaining Land Formation near Roundabout A at NBZ1	45	45	30-Jan-18	29-Mar-18
S3A-1030	Transplanting near Roundabout A in NBZ1	60	60	03-Apr-18	14-Jun-18
S3A-1040	Landscaping Softworks in NBZ1	35	35	20-Jul-18	29-Aug-18
Secton III - Remainder of Landscaping Softworks Not Included in Secton IIIA		120	120	05-Sep-17	29-Jan-18
S3-1000	Transplanting along Realigned TWSR West	60	60	05-Sep-17	16-Nov-17
S3-1010	Transplanting along Fanling Highway	70	70	18-Sep-17	11-Dec-17
S3-1020	Remaining Drainage Works and Land Formation at FH3, FH4, FH5	50	50	28-Sep-17	28-Nov-17
S3-1030	Transplanting near FH3, FH4, FH5	50	50	24-Oct-17	21-Dec-17



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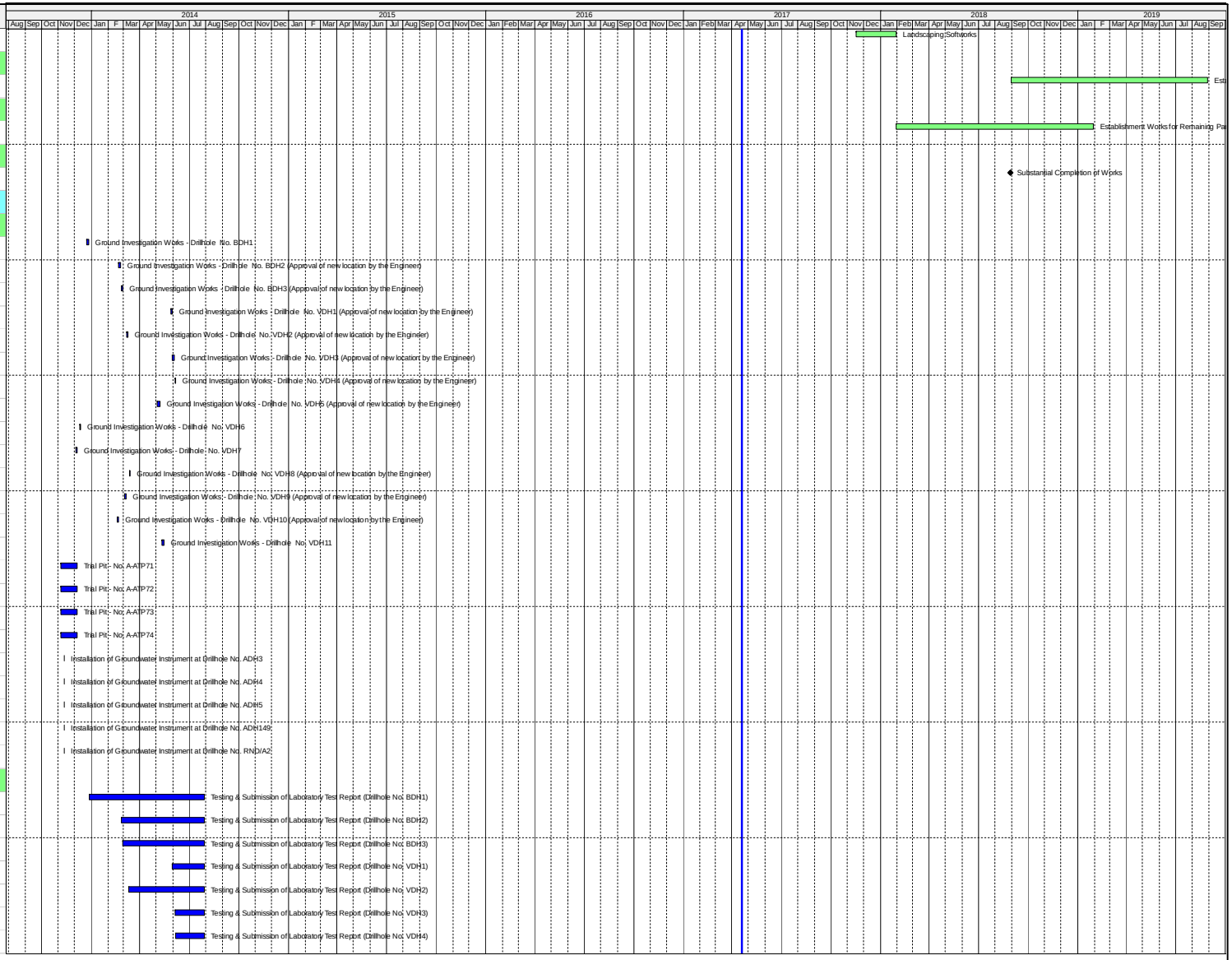
Activity ID	Activity Name	OD	RD	Start	Finish
S3-1040	Landscaping Softworks	60	60	17-Nov-17	29-Jan-18
Establishment Works for Landscape Softworks under Section IIIA		365	365	30-Aug-18	29-Aug-19
S4A-1000	Establishment Works at NBZ1	365	365	30-Aug-18	29-Aug-19
Establishment Works for Landscape Softworks under Section III		365	365	30-Jan-18	29-Jan-19
S4-1000	Establishment Works for Remaining Part of Site	365	365	30-Jan-18	29-Jan-19
Preservation and Protection of Trees		0	0	29-Aug-18	29-Aug-18
S5-1000	Substantial Completion of Works	0	0		29-Aug-18
Section VII - All Geotechnical Fieldworks & All Associated Laboratory Tests (		208	0	05-Nov-13 A	28-Jul-14 A
Installation of Geotechnical Instruments / Ground Investigation		167	0	05-Nov-13 A	05-Jun-14 A
S7-1000	Ground Investigation Works - Drillhole No. BDH1	15	0	23-Dec-13 A	27-Dec-13 A
S7-1010	Ground Investigation Works - Drillhole No. BDH2 (Approval of new location by the Engineer)	15	0	20-Feb-14 A	24-Feb-14 A
S7-1020	Ground Investigation Works - Drillhole No. BDH3 (Approval of new location by the Engineer)	15	0	25-Feb-14 A	27-Feb-14 A
S7-1030	Ground Investigation Works - Drillhole No. VDH1 (Approval of new location by the Engineer)	7	0	28-May-14 A	30-May-14 A
S7-1040	Ground Investigation Works - Drillhole No. VDH2 (Approval of new location by the Engineer)	15	0	07-Mar-14 A	10-Mar-14 A
S7-1050	Ground Investigation Works - Drillhole No. VDH3 (Approval of new location by the Engineer)	7	0	30-May-14 A	03-Jun-14 A
S7-1060	Ground Investigation Works - Drillhole No. VDH4 (Approval of new location by the Engineer)	7	0	04-Jun-14 A	05-Jun-14 A
S7-1070	Ground Investigation Works - Drillhole No. VDH5 (Approval of new location by the Engineer)	15	0	03-May-14 A	07-May-14 A
S7-1080	Ground Investigation Works - Drillhole No. VDH6	15	0	10-Dec-13 A	11-Dec-13 A
S7-1090	Ground Investigation Works - Drillhole No. VDH7	15	0	03-Dec-13 A	05-Dec-13 A
S7-1100	Ground Investigation Works - Drillhole No. VDH8 (Approval of new location by the Engineer)	15	0	12-Mar-14 A	13-Mar-14 A
S7-1110	Ground Investigation Works - Drillhole No. VDH9 (Approval of new location by the Engineer)	15	0	04-Mar-14 A	06-Mar-14 A
S7-1120	Ground Investigation Works - Drillhole No. VDH10 (Approval of new location by the Engineer)	15	0	18-Feb-14 A	20-Feb-14 A
S7-1130	Ground Investigation Works - Drillhole No. VDH11	4	0	12-May-14 A	15-May-14 A
S7-2000	Trial Pit - No. A-ATP71	7	0	05-Nov-13 A	05-Dec-13 A
S7-2010	Trial Pit - No. A-ATP72	7	0	05-Nov-13 A	05-Dec-13 A
S7-2020	Trial Pit - No. A-ATP73	7	0	05-Nov-13 A	05-Dec-13 A
S7-2030	Trial Pit - No. A-ATP74	7	0	05-Nov-13 A	05-Dec-13 A
S7-3000	Installation of Groundwater Instrument at Drillhole No. ADH3	12	0	11-Nov-13 A	11-Nov-13 A
S7-3010	Installation of Groundwater Instrument at Drillhole No. ADH4	12	0	11-Nov-13 A	11-Nov-13 A
S7-3020	Installation of Groundwater Instrument at Drillhole No. ADH5	12	0	11-Nov-13 A	11-Nov-13 A
S7-3040	Installation of Groundwater Instrument at Drillhole No. ADH149	12	0	11-Nov-13 A	11-Nov-13 A
S7-3050	Installation of Groundwater Instrument at Drillhole No. RND/A2	12	0	11-Nov-13 A	11-Nov-13 A
Submission of Laboratory Tests		129	0	06-Dec-13 A	28-Jul-14 A
S7-5000	Testing & Submission of Laboratory Test Report (Drillhole No. BDH1)	35	0	28-Dec-13 A	28-Jul-14 A
S7-5010	Testing & Submission of Laboratory Test Report (Drillhole No. BDH2)	35	0	25-Feb-14 A	28-Jul-14 A
S7-5020	Testing & Submission of Laboratory Test Report (Drillhole No. BDH3)	35	0	28-Feb-14 A	28-Jul-14 A
S7-5030	Testing & Submission of Laboratory Test Report (Drillhole No. VDH1)	35	0	31-May-14 A	28-Jul-14 A
S7-5040	Testing & Submission of Laboratory Test Report (Drillhole No. VDH2)	35	0	11-Mar-14 A	28-Jul-14 A
S7-5050	Testing & Submission of Laboratory Test Report (Drillhole No. VDH3)	35	0	04-Jun-14 A	28-Jul-14 A
S7-5060	Testing & Submission of Laboratory Test Report (Drillhole No. VDH4)	35	0	06-Jun-14 A	28-Jul-14 A



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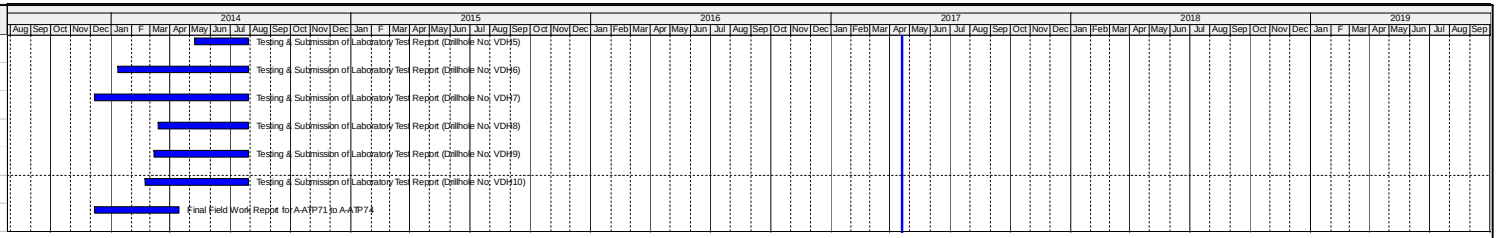
07-Mar-17	Draft	Sam Lam	David Tung

Activity ID	Activity Name	OD	RD	Start	Finish
S7-5070	Testing & Submission of Laboratory Test Report (Drillhole No. VDH5)	35	0	08-May-14 A	28-Jul-14 A
S7-5080	Testing & Submission of Laboratory Test Report (Drillhole No. VDH6)	35	0	11-Jan-14 A	28-Jul-14 A
S7-5090	Testing & Submission of Laboratory Test Report (Drillhole No. VDH7)	35	0	06-Dec-13 A	28-Jul-14 A
S7-5100	Testing & Submission of Laboratory Test Report (Drillhole No. VDH8)	35	0	14-Mar-14 A	28-Jul-14 A
S7-5110	Testing & Submission of Laboratory Test Report (Drillhole No. VDH9)	35	0	07-Mar-14 A	28-Jul-14 A
S7-5120	Testing & Submission of Laboratory Test Report (Drillhole No. VDH10)	35	0	21-Feb-14 A	28-Jul-14 A
S7-5130	Final Field Work Repot for A-ATP71 to A-ATP74	90	0	06-Dec-13 A	14-Apr-14 A



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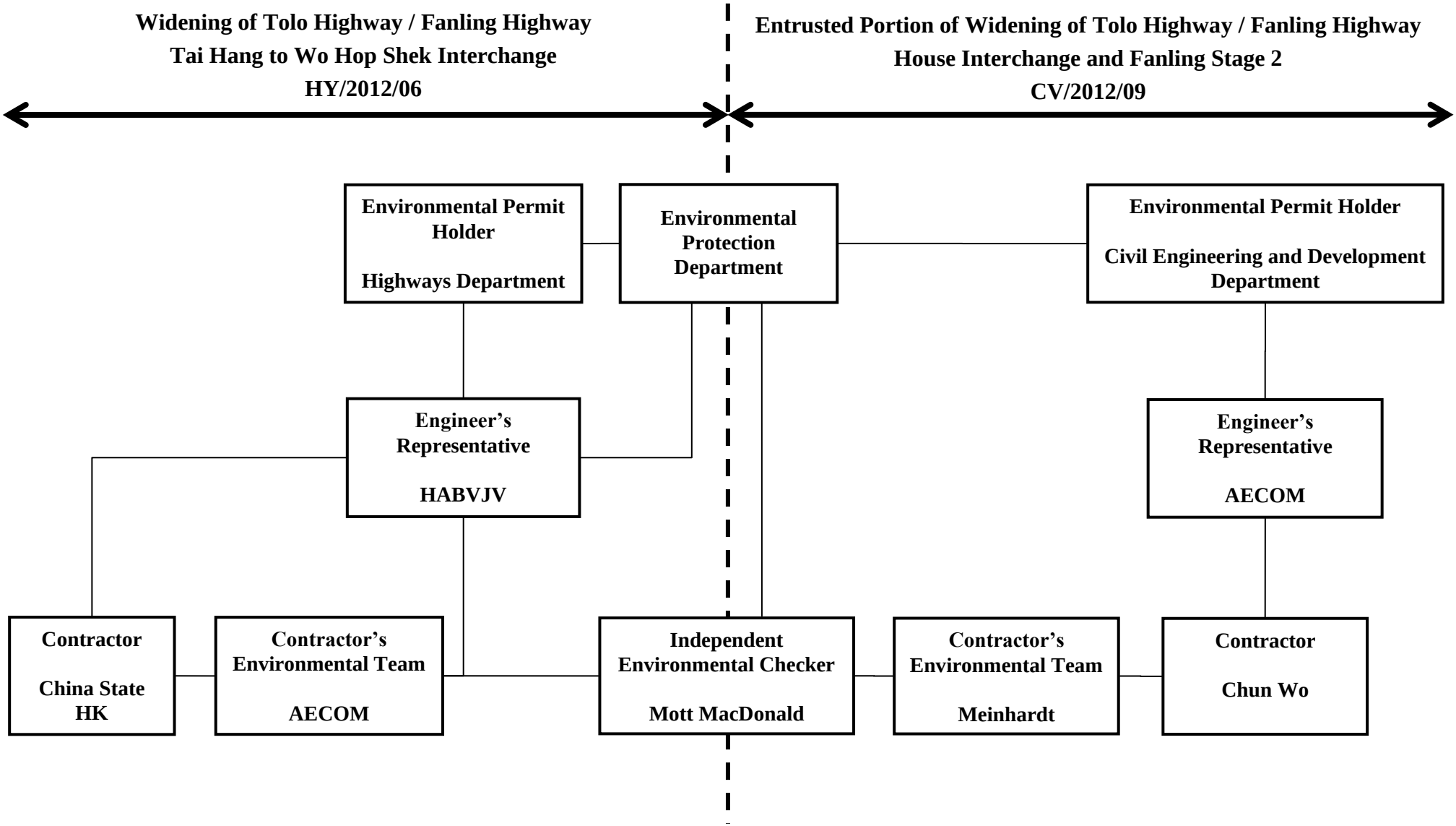
Appendix B
Project Organization Structure


Widening of Tolo Highway / Fanling Highway
Tai Hang to Wo Hop Shek Interchange
HY/2012/06
Entrusted Portion of Widening of Tolo Highway / Fanling Highway
House Interchange and Fanling Stage 2
CV/2012/09
Environmental Permit Holder
Highways Department
Environmental Protection Department
Environmental Permit Holder
Civil Engineering and Development Department
Engineer's Representative
HABVJV
Engineer's Representative
AECOM
Contractor
China State HK
Contractor's Environmental Team
AECOM
Independent Environmental Checker
Mott MacDonald
Contractor's Environmental Team
Meinhardt
Contractor
Chun Wo

Appendix C
Implementation Schedule of Environmental Mitigation Measures (EMIS)

Impact	Environmental Protection Measures	Timing	Responsibility	Implementation Status [#]
Air Quality				
Air Quality during Construction	• Restricting heights from which materials are dropped, as far as practicable to minimize the fugitive dust arising from unloading/loading. • All stockpiles of excavated materials or spoil of more than 50m^3 shall be enclosed, covered or dampened during dry or windy conditions. • Effective water sprays shall be used to control potential dust emission sources such as unpaved haul roads and active construction areas. • All spraying of materials and surfaces shall avoid excessive water usage. • Vehicles that have the potential to create dust while transporting materials shall be covered, with the cover properly secured and extended over the edges of the side and tail boards. • Materials shall be dampened, if necessary, before transportation. • Travelling speeds shall be controlled to reduce traffic induced dust dispersion and re-suspension within the site from the operating haul trucks. • Vehicle washing facilities shall be provided to minimise the quantity of material deposited on public roads.	During Construction	Contractor	✓ Rem./ Obs. Rem./ Obs. ✓ ✓ ✓ ✓ Obs.
Air Quality during Operation	Not required	N/A	N/A	N/A
Noise				
Noise during Construction	• Use of silenced plant or plant equipped with mufflers or dampers in substitute of ordinary plant. • Reduce the number of equipment and their percentage on-time.	During Construction	Contractor	✓ ✓
Noise during Operation	Not required	N/A	N/A	N/A
Water Quality				
Water Quality during Construction	<u>Road Widening Works, Earthworks and Culvert Extension Works</u> • Wastewater generated from any concrete batching washdown of equipment or similar activities should be discharged into foul sewers, after the removal of settable solids, and pH adjustment as necessary. All sewage discharges from the study area should meet the TM standards and approval from EPD through the licensing process is required. • Sand traps, oil interceptors and other pollution prevention installations should be provided, properly cleaned and maintained.	During Construction	Contractor	Obs. ✓

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

Impact	Environmental Protection Measures	Timing	Responsibility	Implementation Status [#]
	● Runoff from exposed working areas, unfinished slopes and from unlined temporary channels should be directed to stilling basins and/or silt traps before discharging to the drainage outfalls.			Rem.
	● Regular inspections of stilling basins and/or silt traps is required to ensure that sediment is not conveyed into the existing drainage system.			✓
	● Open stockpiles should be covered with a tarpaulin cover.			✓
	● During the wet season, any exposed top soils should be covered with a tarpaulin, shotcreted or hydroseeded.			✓
	● Sand and silt from wash-water from vehicle washing should be settled out before discharging into storm drains.			✓
	● Fuels should be stored in bunded areas such that spillage can be easily collected.			✓
Water Quality during Operation	Not required	N/A	N/A	N/A
Waste Management				
Waste Management during Construction	<u>General Waste</u>	During Construction	Contractor	
	● Transport of wastes off site as soon as possible.			Rem.
	● Maintenance of accurate waste records.			✓
	● Minimisation of waste generation for disposal (via reduction/recycling/re-use).			✓
	● No on-site burning will be permitted.			✓
	● Use of re-useable metal hoardings/signboards.			✓
	<u>Vegetation from site clearance</u>	During Construction	Contractor	
	● Segregation of materials to facilitate disposal.			✓
	● Mulching to reduce bulk and where possible review opportunities for the possible beneficial use within landscaping areas.			✓
	<u>Demolition Wastes</u>	During Construction	Contractor	
	● Segregation of materials to facilitate disposal.			✓
	● Appropriate stockpile management.			✓

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

Impact	Environmental Protection Measures	Timing	Responsibility	Implementation Status [#]
	Excavated Materials	During Construction	Contractor	
	● Segregation of materials to facilitate disposal / reuse.			✓
	● Appropriate stockpile management.			✓
	● Re-use of excavated material on or off site (where possible).			✓
	● Special handling and disposal procedures in the event that contaminated materials are excavated.			N/A
	Construction Wastes	During Construction	Contractor	
	● Segregation of materials to facilitate recycling/reuse (within designated area in appropriate containers/stockpiles).			✓
	● Appropriate stockpile management.			✓
	● Planning to reduce over ordering and waste generation.			✓
	● Recycling and re-use of materials where possible (e.g. metal, wood from formwork)			✓
	● For material which cannot be re-used/recycled, collection should be carried out by an approved waste contractor for landfill disposal.			✓
	Bentonite Slurries	During Construction	Contractor	
	● Bentonite slurries should be reused as far as possible.			N/A
	● Disposal in accordance with Practice Note For Professional Persons ProPECC PN 1/94.			N/A
	Chemical Wastes	During Construction	Contractor	
	● Storage within locked, covered and bunded area.			Rem.
	● The storage area shall not be located adjacent to sensitive receivers e.g. drains.			✓
	● Minimise waste production and recycle oils/solvents where possible.			✓
	● A spill response procedure shall be in place and absorption material available for minor spillages.			✓
	● Use appropriate and labelled containers.			✓

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

Impact	Environmental Protection Measures	Timing	Responsibility	Implementation Status [#]
	• Educate site workers on site cleanliness/waste management procedures.			✓
	• If chemical wastes are to be generated, the contractor must register with EPD as a chemical waste producer.			✓
	• The chemical wastes shall be collected by a licensed chemical waste collector.			✓
	<u>Municipal Wastes</u>	During Construction	Contractor	
	• Waste shall be stored within a temporary refuse collection facility, in appropriate containers prior to collection and disposal.			✓
	• Regular, daily collections are required by an approved waste collector.			✓
Waste Management during Operation	Not required.	N/A	N/A	N/A
Ecology				
Ecology during Construction	<u>Accurate Delineation of Works Area</u>	During Construction	Contractor	
	• Boundaries of proposed works areas shall be clearly identified and separated from external areas by a physical barrier to prevent encroachment of adjacent habitats.			✓
	• Individual trees which fall within the works areas but which work plans show do not require removal are to be retained and fenced off to maximise protection.			✓
	<u>Dust generation</u>	During Construction	Contractor	
	There are a number of measures which shall be taken as specified in the Air Pollution Control (Construction Dust) Regulation on 'Dust Control Requirements, including the following key measures to be applied during construction:			
	• vehicle washing facilities to be provided at every discernible or designated vehicle exit point;			✓
	• all temporary site access roads shall be sprayed with water to suppress dust as necessary;			✓
	• all dusty materials should be sprayed with water immediately prior to any handling; and			✓

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

Impact	Environmental Protection Measures	Timing	Responsibility	Implementation Status [#]
	● all debris should be covered entirely by impervious sheeting or stored in a sheltered debris collection area. <u>Surface Run-off</u> In general, mitigation measures shall be in accordance with ProPECC PN1/94 on 'Construction Site Drainage'. Key measures include: ● Bund and cover stockpiles to avoid run-off; ● Channel any run-off through a system of oil, grease and sediment / silt traps and reuse water on site where ever practical; ● All vehicle maintenance to be undertaken within a bunded area; and ● Maximise vegetation retention on-site to maximise absorption (minimise transport).	During Construction	Contractor	✓ ✓ ✓ ✓
Ecology during Operation	● To conduct compensatory ecological planting as specified in the latest landscape plans approved by EPD (Clause 2.6 of the Environmental Permit refers).	During Construction and operation	Contractor (during construction) / LCSD* (during operation) (Note: * The division of vegetation planting and maintenance responsibilities shall follow the guidelines stipulated in ETWB TCW No. 2/2004.)	N/A
Landscape and Visual				
Landscape and Visual during Construction	<u>Preservation of Existing Vegetation</u> ● Trees identified for retention within the project limit would be protected during the works ● The tree transplanting and planting works shall be implemented by approved Landscape Contractors	During Construction	Contractor	✓ ✓

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

Impact	Environmental Protection Measures	Timing	Responsibility	Implementation Status [#]
	Temporary Works Areas	During Construction	Contractor	
	• Where feasible the works areas would be screened using hoarding and existing vegetation would be retained where possible to reduce the landscape and visual impacts arising from the construction activity. The landscape of these works areas would be restored following the completion of the construction phase.			✓
	Hoarding	During Construction	Contractor	
	• A hoarding would be erected where practicable in the most visually sensitive locations to screen the temporary construction works from the local VSRs.			✓
	Top Soils	During Construction	Contractor	
	• The works will result in disturbance to extensive areas of topsoil. Topsoil worthy of retention should be stockpiled for use following completion of the civil engineering works. It should either be temporarily vegetated with hydroseeded grass or turned over on a regular basis.			N/A
	Protection of Important Landscape Features	During Construction	Contractor	N/A
	• Important features such as temples, Island House and kilns within the study area, although remote from the proposed works retained and adequately protected.			
Landscape and Visual during Operation	Not required.	N/A	N/A	N/A

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

Appendix D
Meteorological Data Extracted from Hong Kong Observatory

Daily Extract of Meteorological Observations , November 2017

Day	Hong Kong Observatory								King's Park	Waglan Island^	
	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Mean Amount of Cloud (%)	Total Rainfall (mm)	Total Bright Sunshine (hours)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)							
01	1017.2	26.4	23.0	20.5	16.1	66	29	0.0	10.3	***	***
02	1014.3	27.8	23.8	20.9	16.9	67	22	0.0	10.3	***	***
03	1015.5	27.6	24.5	22.0	16.7	63	64	0.0	10.2	***	***
04	1018.9	25.8	23.6	20.7	14.8	58	86	0.3	1.5	***	***
05	1018.5	25.6	23.0	20.3	15.8	64	78	Trace	8.3	***	***
06	1016.4	25.8	23.3	21.3	17.1	68	87	Trace	1.5	***	***
07	1016.0	26.0	23.6	21.8	18.9	75	88	0.3	0.0	***	***
08	1015.9	27.3	24.6	23.1	20.6	78	88	Trace	1.0	***	***
09	1015.8	26.8	24.4	22.8	19.4	74	77	Trace	6.2	***	***
10	1014.9	28.4	25.0	22.9	20.0	74	56	0.0	9.2	***	***
11	1014.1	26.5	24.7	23.4	20.6	78	89	0.0	1.5	***	***
12	1013.6	23.5	22.1	21.1	19.8	87	93	14.7	0.0	***	***
13	1013.2	22.7	21.9	21.5	20.3	91	95	12.5	0.0	***	***
14	1014.6	24.0	23.0	22.0	20.9	88	88	0.2	0.2	***	***
15	1016.0	23.9	23.2	22.6	20.3	84	84	0.0	0.1	***	***
16	1015.1	26.2	23.4	22.2	19.9	81	68	0.0	7.9	***	***
17	1011.6	26.2	24.2	22.9	21.3	84	42	0.0	9.8	***	***
18	1012.2	26.5	23.9	20.1	20.8	83	60	1.9	3.2	***	***
19	1017.7	20.2	19.9	19.4	17.0	84	88	1.0	0.0	***	***
20	1018.8	20.3	19.3	17.9	15.4	78	91	0.0	0.0	***	***
21	1018.0	21.4	19.3	17.5	15.1	77	88	0.0	0.6	***	***
22	1016.5	22.9	19.8	17.3	14.0	70	60	0.0	9.0	***	***
23	1019.9	20.3	17.8	15.5	10.9	64	47	0.0	5.4	***	***
24	1022.1	20.8	18.0	16.5	11.3	65	86	0.0	3.8	***	***
25	1021.5	19.1	18.0	16.9	13.1	73	88	0.0	0.0	***	***
26	1020.2	22.4	19.7	18.1	14.8	73	73	0.0	4.7	***	***
27	1018.1	22.1	20.3	18.5	16.3	78	84	Trace	0.7	***	***
28	1017.4	24.6	22.2	20.6	18.3	79	76	Trace	2.4	***	***
29	1016.9	26.4	23.8	21.6	20.4	82	74	0.0	5.7	***	***
30	1016.9	23.2	22.3	21.8	20.5	90	86	0.3	0.8	***	***
Mean/Total	1016.6	24.4	22.2	20.5	17.6	76	74	31.2	114.3	***	***
Normal§	1017.7	24.1	21.8	19.8	16.0	71	54	37.6	180.1	080	27.0

*** unavailable

^ Information of wind direction and wind speed for Waglan Island are based on automatic weather station data since January 1989

Trace means rainfall less than 0.05 mm

§ 1981-2010 Climatological Normal, unless otherwise specified

Daily Extract of Meteorological Observations , December 2017

Day	Hong Kong Observatory								King's Park	Waglan Island^	
	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Mean Amount of Cloud (%)	Total Rainfall (mm)	Total Bright Sunshine (hours)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)							
01	1018.8	23.2	21.2	19.7	16.2	73	74	Trace	3.7	***	***
02	1019.1	22.9	20.1	17.5	15.0	73	65	0.0	8.5	***	***
03	1017.7	22.9	20.6	18.9	16.1	76	52	0.0	7.6	***	***
04	1018.3	22.3	20.1	18.0	14.7	71	36	0.0	9.4	***	***
05	1020.0	20.4	18.9	17.7	13.5	71	78	0.0	2.7	***	***
06	1018.5	21.1	18.8	17.5	13.9	73	41	0.0	8.8	***	***
07	1018.2	21.8	19.4	17.8	13.4	69	57	0.0	5.0	***	***
08	1021.2	19.4	17.6	15.3	6.5	49	9	0.0	9.6	***	***
09	1019.7	18.0	15.5	13.3	6.8	56	15	0.0	9.3	***	***
10	1018.2	20.4	17.8	14.9	9.7	60	37	0.0	7.3	***	***
11	1018.3	21.1	18.9	17.0	10.4	58	57	0.0	9.6	***	***
12	1018.4	20.6	18.6	17.4	12.9	70	83	Trace	2.7	***	***
13	1017.7	19.0	18.4	17.9	14.7	79	89	Trace	0.2	***	***
14	1018.1	21.1	19.3	18.0	15.3	78	84	Trace	4.0	***	***
15	1019.2	21.3	19.6	18.5	16.2	81	79	0.0	5.2	***	***
16	1023.4	19.5	15.8	12.2	9.7	67	69	0.0	6.1	***	***
17	1026.6	14.0	12.3	10.8	5.8	64	81	0.0	0.2	***	***
18	1025.5	15.8	12.8	9.8	4.4	57	23	0.0	9.4	***	***
19	1025.6	16.5	13.6	10.7	2.1	46	40	0.0	7.8	***	***
20	1027.3	17.8	15.2	12.4	1.5	40	29	0.0	9.2	***	***
21	1025.7	17.0	15.0	12.4	5.2	53	23	0.0	9.4	***	***
22	1021.2	19.1	16.8	14.5	10.0	65	52	0.0	8.9	***	***
23	1017.5	21.1	19.0	17.1	14.0	73	91	0.0	0.3	***	***
24	1018.1	23.1	20.2	18.1	11.7	60	28	0.0	9.4	***	***
25	1019.8	19.7	17.7	16.3	7.6	53	64	0.0	8.6	***	***
26	1021.0	19.7	17.6	16.3	12.5	73	69	0.0	7.3	***	***
27	1021.2	19.4	17.6	16.2	13.1	75	51	0.0	9.2	***	***
28	1020.7	20.6	18.5	17.1	14.1	76	84	Trace	2.9	***	***
29	1021.3	21.5	19.0	17.7	14.9	77	46	0.0	9.1	***	***
30	1021.6	22.6	19.5	17.6	14.1	71	44	0.0	8.7	***	***
31	1021.5	21.0	18.1	15.9	11.4	65	33	Trace	9.5	***	***
Mean/Total	1020.6	20.1	17.8	16.0	11.2	66	54	Trace	209.6	***	***
Normal§	1020.5	20.2	17.9	15.9	11.9	69	52	26.8	172.2	070	26.0

*** unavailable

^ Information of wind direction and wind speed for Waglan Island are based on automatic weather station data since January 1989

Trace means rainfall less than 0.05 mm

§ 1981-2010 Climatological Normal, unless otherwise specified

Daily Extract of Meteorological Observations , January 2018

Day	Hong Kong Observatory								King's Park	Waglan Island^	
	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Mean Amount of Cloud (%)	Total Rainfall (mm)	Total Bright Sunshine (hours)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)							
01	1020.5	19.0	17.3	16.3	13.3	78	75	0.0	3.0	***	***
02	1019.3	19.2	17.8	16.0	13.9	78	77	0.0	3.6	***	***
03	1018.5	22.0	19.4	18.2	14.9	76	79	0.0	8.4	***	***
04	1016.7	20.5	18.8	18.1	15.7	82	86	0.2	0.6	***	***
05	1015.3	22.8	19.3	17.2	17.1	87	88	0.2	0.2	***	***
06	1014.6	17.3	16.2	15.9	15.0	92	94	3.7	0.0	***	***
07	1014.3	17.6	16.8	15.7	15.7	93	95	16.2	0.0	***	***
08	1015.2	18.7	15.1	9.5	14.3	95	91	11.6	0.0	***	***
09	1023.1	10.7	9.0	7.9	5.9	82	97	9.9	0.0	***	***
10	1024.9	15.2	12.8	10.5	1.5	46	82	Trace	2.9	***	***
11	1026.1	16.1	13.8	12.1	1.0	42	37	Trace	9.3	***	***
12	1027.1	15.3	12.8	10.5	1.3	46	11	0.0	9.8	***	***
13	1026.0	14.6	12.9	11.3	6.8	67	18	0.0	9.7	***	***
14	1022.9	17.2	14.2	12.0	8.7	70	11	0.0	9.9	***	***
15	1018.9	18.2	15.3	13.0	11.6	79	16	0.0	9.6	***	***
16	1015.4	22.6	17.8	14.8	13.1	75	23	0.0	9.6	***	***
17	1014.4	25.5	19.8	15.9	11.5	60	9	0.0	9.8	***	***
18	1016.6	24.0	19.2	15.9	14.7	76	39	0.0	9.0	***	***
19	1017.8	19.3	18.6	17.9	16.7	89	92	0.8	0.0	***	***
20	1016.8	22.7	19.1	17.4	15.3	79	70	Trace	7.7	***	***
21	1015.6	21.5	18.7	16.8	15.3	81	78	0.0	4.9	***	***
22	1013.9	24.8	20.0	17.1	16.3	80	62	0.0	8.0	***	***
23	1015.3	22.8	19.2	17.2	15.3	78	79	0.0	4.7	***	***
24	1015.5	18.6	17.7	16.6	13.8	78	80	0.0	7.7	***	***
25	1015.7	18.8	17.2	16.1	13.4	79	82	0.0	5.7	***	***
26	1017.2	18.3	17.1	15.6	14.5	85	95	Trace	0.2	***	***
27	1017.0	17.1	15.5	14.0	12.2	81	90	Trace	1.6	***	***
28	1014.7	18.4	16.5	12.6	13.3	81	88	0.0	0.0	***	***
29	1020.1	12.9	10.5	8.9	6.5	76	94	0.1	0.0	***	***
30	1020.4	11.0	10.1	8.9	7.0	82	100	0.2	0.0	***	***
31	1021.0	10.6	9.4	7.8	7.4	87	86	19.3	0.2	***	***
Mean/Total	1018.4	18.5	16.1	14.1	11.7	77	69	62.2	136.1	***	***
Normal§	1020.3	18.6	16.3	14.5	11.4	74	61	24.7	143.0	060	25.3

*** unavailable

^ Information of wind direction and wind speed for Waglan Island are based on automatic weather station data since January 1989

Trace means rainfall less than 0.05 mm

§ 1981-2010 Climatological Normal, unless otherwise specified

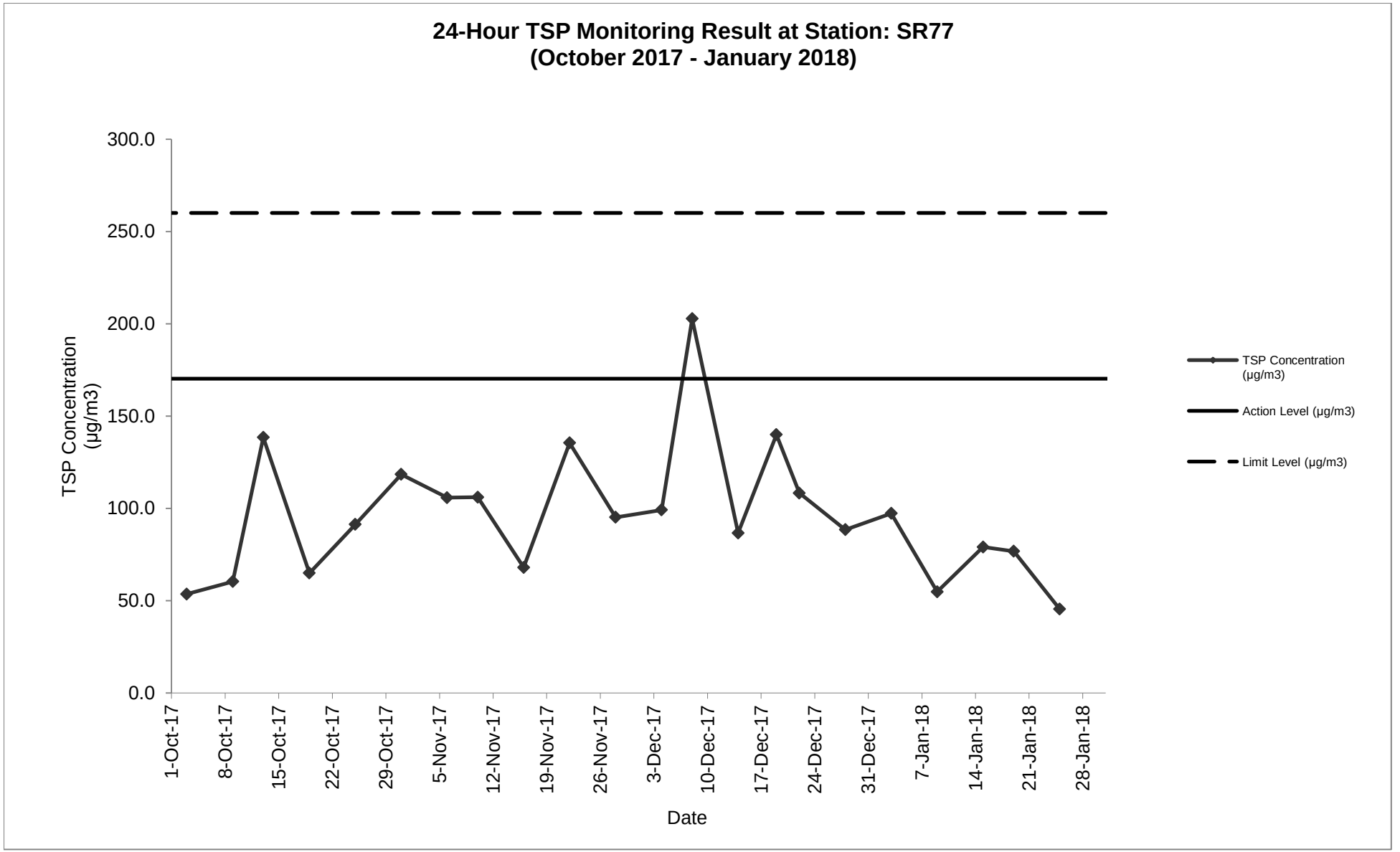
Appendix E
Environmental Monitoring Data for Air, Noise and Water Quality

Appendix E
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

Sampling Date	Weather Condition	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m^3/min)			Total Volume (m^3)	TSP Concentration ($\mu g/m^3$)	Action Level (µg/m3)	Limit Level (µg/m3)	Wind speed m/s	Wind direction
			Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
3-Oct-17	Sunny	CC94	2.8702	2.9816	0.1114	7168.67	7192.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	53.6	170.3	260.0	<5	N
9-Oct-17	Cloudy	CC96	2.8471	2.9727	0.1256	7195.67	7219.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	60.4	170.3	260.0	<5	N
13-Oct-17	Sunny	CC98	2.8352	3.1231	0.2879	7222.67	7246.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	138.4	170.3	260.0	<5	N
19-Oct-17	Fine	CC100	2.8611	3.0131	0.1520	7249.67	7276.67	27.00	51	51	51.0	1.44	1.44	1.44	2339.54	65.0	170.3	260.0	<5	N
25-Oct-17	Sunny	CC102	2.8584	3.0483	0.1899	7279.67	7303.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	91.3	170.3	260.0	<5	N
31-Oct-17	Sunny	CC104	2.8589	3.1052	0.2463	7306.67	7330.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	118.4	170.3	260.0	<5	N
6-Nov-17	Fine	CC106	2.8433	3.0634	0.2201	7333.67	7357.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	105.8	170.3	260.0	<5	N
10-Nov-17	Sunny	CC108	2.8639	3.0845	0.2206	7360.67	7384.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	106.1	170.3	260.0	<5	N
16-Nov-17	Cloudy	CC110	2.8717	3.0131	0.1414	7387.67	7411.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	68.0	170.3	260.0	<5	N
22-Nov-17	Sunny	CC112	2.8452	3.1269	0.2817	7414.67	7438.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	135.5	170.3	260.0	<5	N
28-Nov-17	Cloudy	CC114	2.8671	3.0651	0.1980	7441.67	7465.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	95.2	170.3	260.0	<5	N
4-Dec-17	Sunny	CC116	2.8511	3.0573	0.2062	7468.67	7492.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	99.2	170.3	260.0	<5	N
8-Dec-17	Fine	CC118	2.8344	3.2560	0.4216	7495.67	7519.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	202.7	170.3	260.0	<5	N
14-Dec-17	Fine	CC120	2.8357	3.0159	0.1802	7522.67	7546.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	86.7	170.3	260.0	<5	N
19-Dec-17	Sunny	CC122	2.8565	3.1476	0.2911	7549.67	7573.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	140.0	170.3	260.0	<5	N
22-Dec-17	Fine	CC124	2.8523	3.0776	0.2253	7576.67	7600.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	108.3	170.3	260.0	<6	N
28-Dec-17	Cloudy	CC126	2.8578	3.0418	0.1840	7603.67	7627.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	88.5	170.3	260.0	<5	N
3-Jan-18	Fine	CC128	2.8619	3.0643	0.2024	7630.67	7654.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	97.3	170.3	260.0	<5	N
9-Jan-18	Cloudy	CC130	2.8888	3.0028	0.1140	7657.67	7681.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	54.8	170.3	260.0	<5	N
15-Jan-18	Sunny	C484	2.8237	2.9882	0.1645	7684.67	7708.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	79.1	170.3	260.0	<5	N
19-Jan-18	Fine	C486	2.8015	2.9612	0.1597	7711.67	7735.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	76.8	170.3	260.0	<5	N
25-Jan-18	Fine	C488	2.8839	2.9784	0.0945	7738.67	7762.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	45.4	170.3	260.0	<6	N
31-Jan-18	Cloudy	C490	2.8736	2.9470	0.0734	7765.67	7789.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	35.3	170.3	260.0	<5	N

Summary For the Reporting Quarter (November 2017 - January 2018)	
Average	95.6
Minimum	35.3
Maximum	202.7

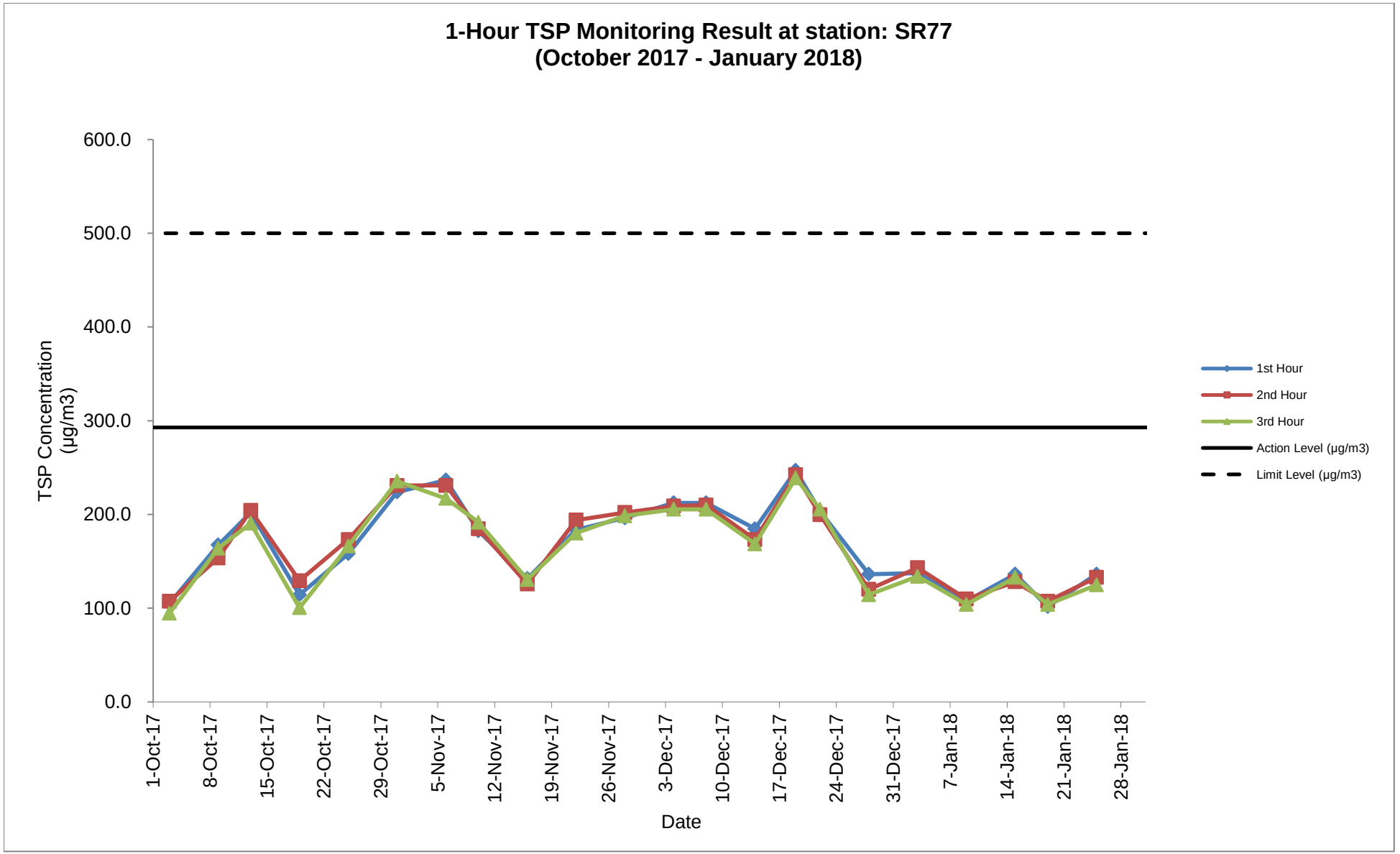

24-Hour TSP Monitoring Result at Station: SR77
(October 2017 - January 2018)
TSP Concentration (µg/m3)
300.0
250.0
200.0
150.0
100.0
50.0
0.0
1-Oct-17
8-Oct-17
15-Oct-17
22-Oct-17
29-Oct-17
5-Nov-17
12-Nov-17
19-Nov-17
26-Nov-17
3-Dec-17
10-Dec-17
17-Dec-17
24-Dec-17
31-Dec-17
7-Jan-18
14-Jan-18
21-Jan-18
28-Jan-18
Date
TSP Concentration (µg/m3)
Action Level (µg/m3)
Limit Level (µg/m3)

Appendix E
Air Quality Monitoring Results and their Graphical Presentation

1-Hour TSP Monitoring Result at Station: SR77

Date	Weather Condition	Time			Conc.(µg/m^3)			Action Level (µg/m3)	Limit Level (µg/m3)
					1st Hour	2nd Hour	3rd Hour		
3-Oct-17	Sunny	9:00	-	12:07	105.0	107.3	94.6	292.7	500.0
9-Oct-17	Cloudy	9:00	-	12:06	167.3	153.5	163.9	292.7	500.0
13-Oct-17	Sunny	9:00	-	12:08	202.0	204.3	190.4	292.7	500.0
19-Oct-17	Fine	9:00	-	12:08	114.3	129.3	100.4	292.7	500.0
25-Oct-17	Sunny	9:00	-	12:08	158.1	173.1	166.2	292.7	500.0
31-Oct-17	Sunny	9:00	-	12:08	223.9	230.8	235.4	292.7	500.0
6-Nov-17	Fine	9:00	-	12:07	236.6	230.8	217.0	292.7	500.0
10-Nov-17	Sunny	9:00	-	12:07	182.3	184.7	191.6	292.7	500.0
16-Nov-17	Cloudy	9:00	-	12:08	131.6	125.8	130.4	292.7	500.0
22-Nov-17	Sunny	9:00	-	12:07	183.5	193.9	180.0	292.7	500.0
28-Nov-17	Cloudy	9:00	-	12:07	196.2	202.0	198.5	292.7	500.0
4-Dec-17	Sunny	9:00	-	12:08	212.3	208.9	205.4	292.7	500.0
8-Dec-17	Fine	9:00	-	12:07	212.3	210.0	205.4	292.7	500.0
14-Dec-17	Fine	9:00	-	12:07	184.7	173.1	168.5	292.7	500.0
19-Dec-17	Sunny	9:00	-	12:07	247.0	242.4	238.9	292.7	500.0
22-Dec-17	Fine	9:00	-	12:07	203.1	199.7	205.4	292.7	500.0
28-Dec-17	Cloudy	9:00	-	12:08	136.2	120.0	114.3	292.7	500.0
3-Jan-18	Fine	9:00	-	12:08	137.3	143.1	133.9	292.7	500.0
9-Jan-18	Cloudy	9:00	-	12:08	107.3	109.6	103.9	292.7	500.0
15-Jan-18	Sunny	9:00	-	12:08	136.2	128.1	132.7	292.7	500.0
19-Jan-18	Fine	9:00	-	12:08	101.6	107.3	103.9	292.7	500.0
25-Jan-18	Fine	9:00	-	12:08	136.2	132.7	124.6	292.7	500.0
31-Jan-18	Cloudy	9:00	-	12:08	84.2	101.6	95.8	292.7	500.0

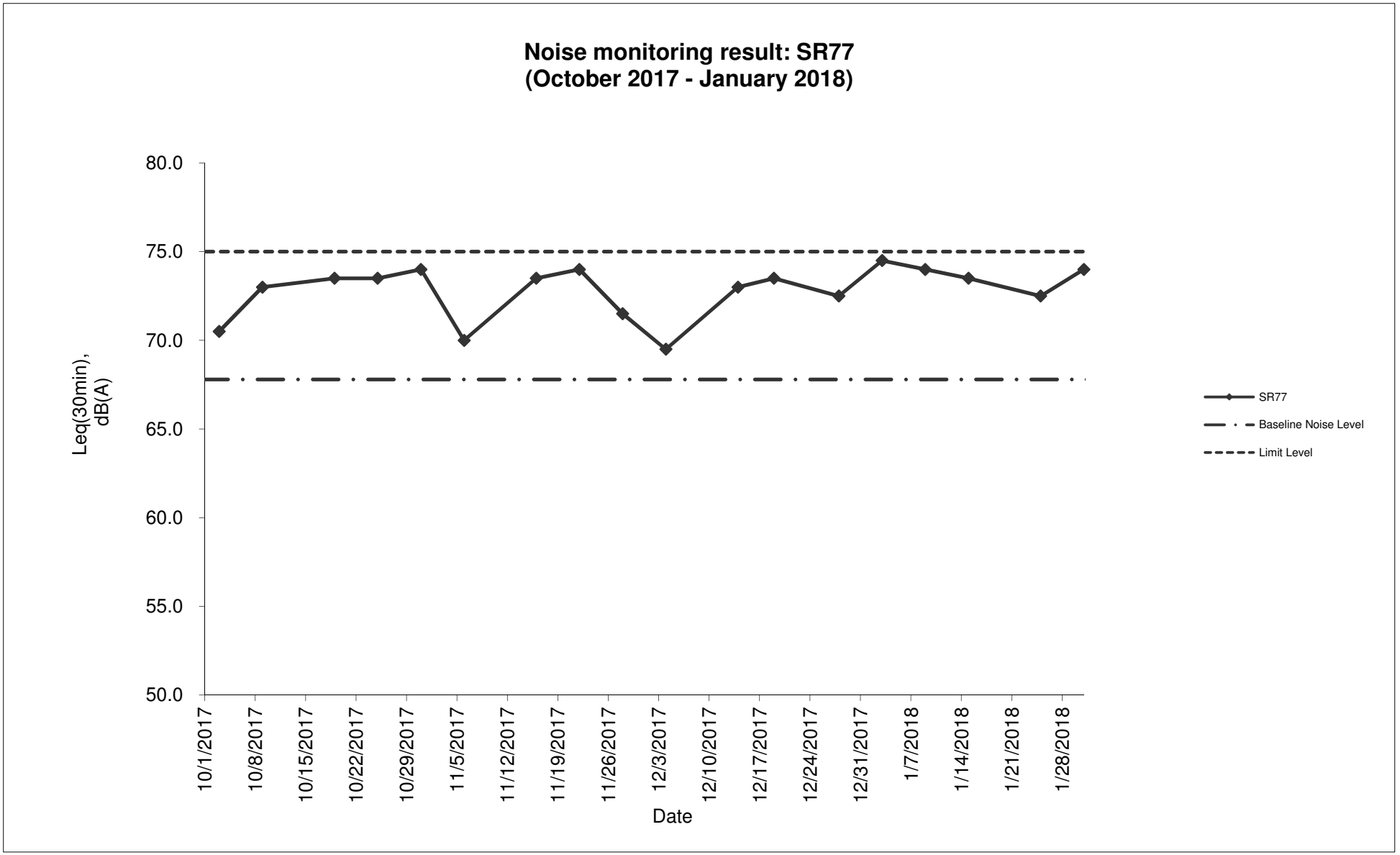
Summary For the Reporting Quarter (November 2017 - January 2018)	
Average	164.6
Minimum	84.2
Maximum	247.0


1-Hour TSP Monitoring Result at station: SR77
(October 2017 - January 2018)
TSP Concentration (µg/m3)
600.0
500.0
400.0
300.0
200.0
100.0
0.0
1-Oct-17
8-Oct-17
15-Oct-17
22-Oct-17
29-Oct-17
5-Nov-17
12-Nov-17
19-Nov-17
26-Nov-17
3-Dec-17
10-Dec-17
17-Dec-17
24-Dec-17
31-Dec-17
7-Jan-18
14-Jan-18
21-Jan-18
28-Jan-18
Date
1st Hour
2nd Hour
3rd Hour
Action Level (µg/m3)
Limit Level (µg/m3)

Noise Monitoring Result at SR77

Date	Weather Condition	Start Time	End Time	Measured Noise Level (dB(A))*			Baseline Corrected Level, dB(A)**	Baseline Noise Level (dB(A)), Leq(30min)	Limit Level dB(A)	Exceedance (Y / N)
				L10(30min)	L90(30min)	Leq(30min)				
2017/10/03	Sunny	11:30	12:00	74.5	61.5	70.5	-	67.8	75.0	N
2017/10/09	Cloudy	11:30	12:00	89.0	64.5	73.0	-	67.8	75.0	N
2017/10/19	Fine	11:30	12:00	93.5	62.0	73.5	-	67.8	75.0	N
2017/10/25	Sunny	11:30	12:00	92.5	59.5	73.5	-	67.8	75.0	N
2017/10/31	Sunny	11:30	12:00	93.0	59.0	74.0	-	67.8	75.0	N
2017/11/06	Fine	11:00	11:30	91.0	62.5	70.0	-	67.8	75.0	N
2017/11/16	Cloudy	11:00	11:30	93.5	56.5	73.5	-	67.8	75.0	N
2017/11/22	Sunny	11:00	11:30	91.5	68.5	74.0	-	67.8	75.0	N
2017/11/28	Cloudy	11:15	11:45	87.5	64.5	71.5	-	67.8	75.0	N
2017/12/04	Sunny	11:15	11:45	92.0	62.0	69.5	-	67.8	75.0	N
2017/12/14	Fine	11:30	12:00	96.0	65.0	73.0	-	67.8	75.0	N
2017/12/19	Sunny	11:30	12:00	92.5	61.5	73.5	-	67.8	75.0	N
2017/12/28	Cloudy	11:30	12:00	94.5	61.5	72.5	-	67.8	75.0	N
2018/01/03	Fine	11:00	11:30	97.0	60.0	74.5	-	67.8	75.0	N
2018/01/09	Cloudy	11:30	12:00	91.0	63.5	74.0	-	67.8	75.0	N
2018/01/15	Sunny	11:30	12:00	93.0	61.0	73.5	-	67.8	75.0	N
2018/01/25	Cloudy	11:30	12:00	94.5	61.5	72.5	-	67.8	75.0	N
2018/01/31	Cloudy	11:30	12:00	90.0	65.0	74.0	-	67.8	75.0	N

Summary For the Reporting Quarter (November 2017 - January 2018)	
Average	72.8
Minimum	69.5
Maximum	74.5


Noise monitoring result: SR77
(October 2017 - January 2018)
80.0
75.0
70.0
65.0
60.0
55.0
50.0
Leq(30min), dB(A)
10/1/2017
10/8/2017
10/15/2017
10/22/2017
10/29/2017
11/5/2017
11/12/2017
11/19/2017
11/26/2017
12/3/2017
12/10/2017
12/17/2017
12/24/2017
12/31/2017
1/7/2018
1/14/2018
1/21/2018
1/28/2018
Date
SR77
Baseline Noise Level
Limit Level

Appendix F
Waste Flow Table

Monthly Summary Waste Flow Table

	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly				
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Soil	Soil Reused in the Contract	Soil Reused in other Projects	Soil Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging (Note 3)	Plastics	Chemical Waste	General Refuse (Note 2)
Unit	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in m^3)	(in '000m^3)
Nov-17	3.051	1.000	2.051	0.210	-	1.841	0.368	-	-	-	-	0.150
Dec-17	2.400	0.223	2.177	0.180	-	1.997	0.377	-	-	-	0.033	0.125
Jan-18	3.089	0.304	2.785	0.060	-	2.725	0.923	-	-	-	-	0.150
Total	8.540	1.527	7.013	0.450	-	6.563	1.668	-	-	-	0.033	0.425

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

Appendix G
Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Cumulative Complaint Log

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

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

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

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

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