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

Quarterly EM&A Report

August 2016 to October 2016

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

(August 2016 to October 2016)

Certified by: Fredrick Leong

Position: Environmental Team Leader

Date: 9December 2016

MOTT MACDONALD

Hyder-Arup-Black & Veatch Joint Venture
c/o Arcadis
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Kwun Tong, Hong Kong
Attn: Mr. James Penny

Your Reference

Our Reference
JFP/EC/ST/pl/T329380/22
.05/L-0145

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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/D
Quarterly EM&A Summary Report for August 2016 to October 2016 for the portion of Stage 2 works entrusted to CEDD under Contract No. CV/2012/09

8 December 2016
By Fax (2805 5028) & Hand

We refer to the revised Quarterly EM&A Summary Report for August 2016 to October 2016 for the Project received on 8 December 2016 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 (2714 5198)
CEDD/BCP	Mr. Desmond Lam	By Fax (3547 1659)
AECOM	Mr. Alan Lee	By Fax (3922 9797)
Meinhardt	Mr. Fredrick Leong	By Fax (2540 1580)

Date	Revision	Prepared By	Checked By	Approved By
9 Dec 2016	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 August 2016 and 31 October 2016.

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, no exceedance events were recorded. No necessary remedial actions have been taken.

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.

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. Due to the loading requirement of a fresh water main under the box culvert, installation of the base slab at Box Culvert ID4 has been scheduled to be commenced in December 2016.

The construction works at the box culvert ID4 are temporarily suspended until the utilities diversion works complete. The 4-week post construction water quality monitoring will be commenced after the installation of the base slab finishes, hence the completion of the box culvert works.

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 current VEP (EP-324/2008/D) was granted on 27 August 2015.

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;
- Installation of Stone Cladding;
- Erection of Temporary support for demolition of J-bridge;
- Demolition of Existing Vehicular Bridge;
- Footbridge Construction;
- Storm Drains Laying;
- Noise Barrier Construction;
- Pier / Pier Table Construction;
- Pile Cap Works;

- Portal Beam Construction;
- Piling Works for Viaduct;
- Piling Works for Noise Barrier;
- Retaining Wall Construction;
- Pre-drilling Works and Works for Noise Barrier;
- Road Works;
- Sewer Works;
- Slope Works;
- Utilities Duct Laying;
- Viaduct Segment Erection; and
- Water Main Laying.

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	Mr. Victor Huang	2638 6181	
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 August 2016 and 31 October 2016.

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 partially completed by the end of March 2014 except the last construction activity, installation of a base slab at Box Culvert ID4. Due to the loading requirement of a fresh water main under the box culvert, installation of the base slab at Box Culvert ID4 has been scheduled to be commenced in December 2016.

2.1.3 The construction works at the box culvert ID4 are temporarily suspended until the utilities diversion works complete. The 4-week post construction water quality monitoring will be commenced after the installation of the base slab finishes, hence the completion of the box culvert works.

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	58.9μg/m^3	161.6μg/m^3	127.4μg/m^3
24 hour Total Suspended Particulate			
SR77	41.8μg/m^3	151.5μg/m^3	91.6μg/m^3
Construction Noise			
SR77	63.5dB(A)	68.5dB(A)	65.8dB(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	0	0
	Limit Level	0	0
Construction Noise			
Leq 30min	Action Level	0	0
	Limit Level	0	0

3.2.2 No exceedance of air monitoring was 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

- All vehicles should be washed to remove any dusty materials before leaving the construction site.
- Ensure all vehicles are properly washed to remove mud and debris before leaving the site.

Chemical and Waste Management

- Good housekeeping should be maintained and stagnant water should be removed from secondary containment regularly.
- Provide proper chemical and chemical waste management.
- A spill response procedure shall be in place and absorption material available for minor spillages.

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 3,494m^3 of excavated material has been generated. 1,882m^3 of inert C&D materials was disposed of at public fill to Tuen Mun Area 38, while 435m^3 of inert C&D materials was reused on site. 315m^3 of general refuse was disposed of at North East New Territories (NENT) Landfill. 5m^3 of plastics and no paper/cardboard packaging were collected by recycling contractor in the reporting quarter. 1m^3 of metals were collected by recycling contractor in the reporting quarter. 0.8m^3 of chemical waste were 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. No environmental complaint was received. No environmental related prosecution or notification of summons was received in the reporting quarter. The summary for the non-compliance, complaints and prosecutions is provided in **Appendix G**.

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, no exceedance events were 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 partially completed by the end of March 2014 except the last construction activity, installation of a base slab at Box Culvert ID4. Due to the loading requirement of a fresh water main under the box culvert, installation of the base slab at Box Culvert ID4 has been scheduled to be commenced in December 2016.

6.1.5 The construction works at the box culvert ID4 are temporarily suspended until the utilities diversion works complete. The 4-week post construction water quality monitoring will be commenced after the installation of the base slab finishes, hence the completion of the box culvert works.

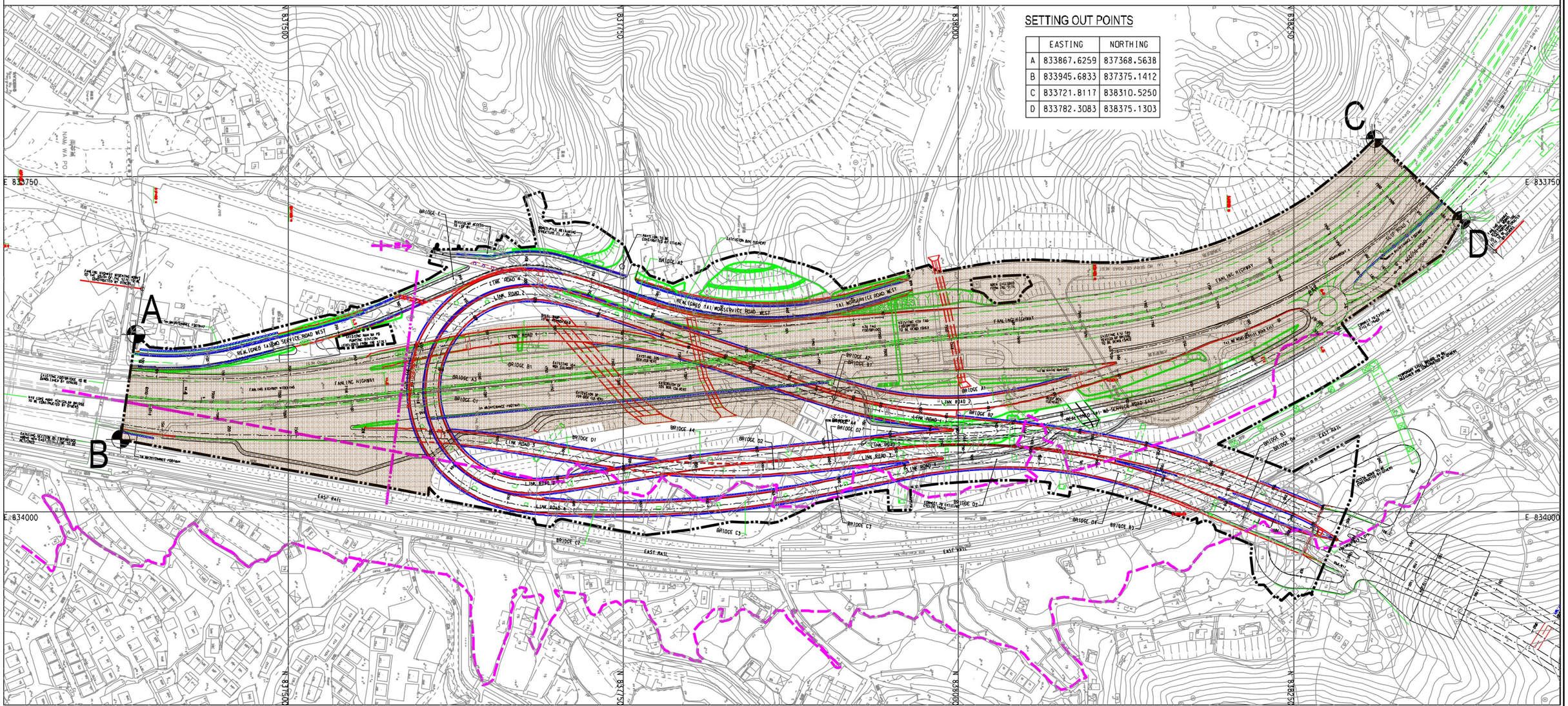
Figure

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

俊和建築工程有限公司
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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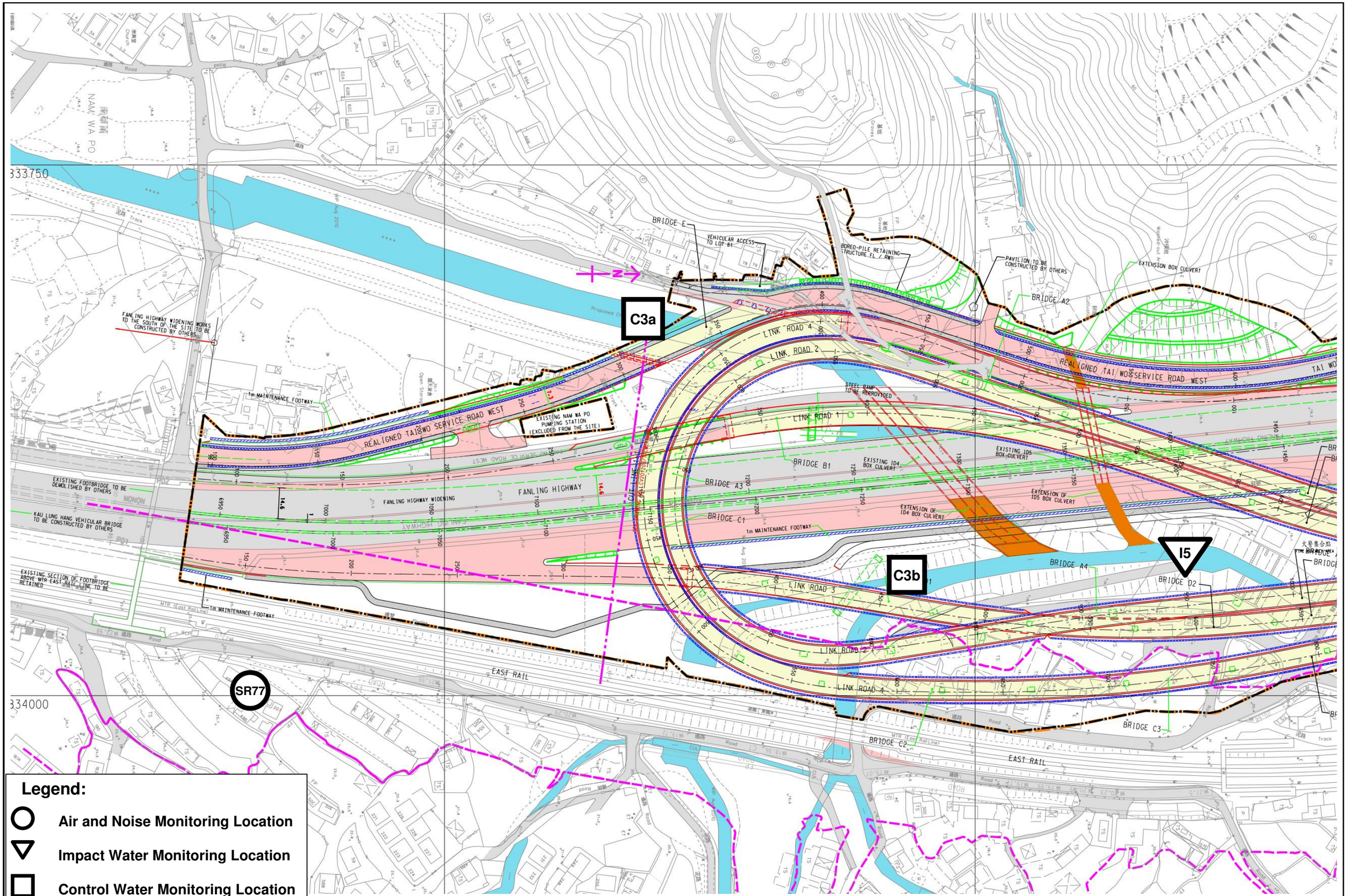
Legend:

Works Area for Entrusted Portion

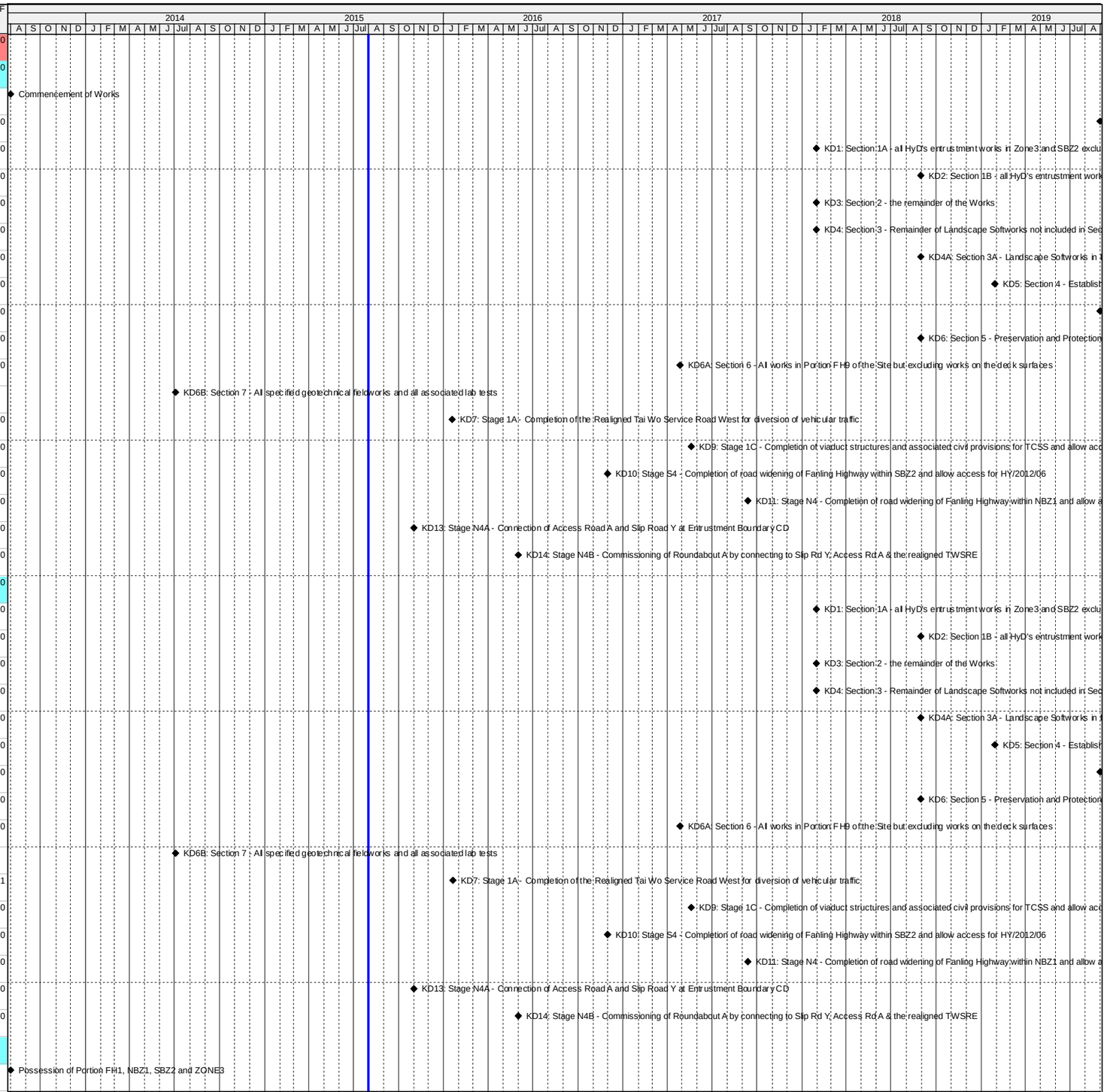
MEINHARDT	**Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling Stage 2**	**Figure 1: Demarcation of Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling – Stage 2**



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	TF
Updated Master Programme (Revision 3B) Data Date: 1 Aug 2015		1786	1199	31-Jul-13 A	31-Aug-19	0
Key Dates (Contractual)		1786	1123	31-Jul-13 A	31-Aug-19	0
KD-0010	Commencement of Works	0	0	31-Jul-13 A		
KD-0020	Completion of Contract CV/2012/09	0	0		31-Aug-19*	0
KD-0100	KD1: Section 1A - all HyD's entrustment works in Zone3 and SBZ2 excluding Landscape Softworks and Establishment Works	0	0		30-Jan-18*	0
KD-0200	KD2: Section 1B - all HyD's entrustment works in NBZ1 excluding Landscape Softworks and Establishment Works	0	0		31-Aug-18*	0
KD-0300	KD3: Section 2 - the remainder of the Works	0	0		30-Jan-18*	0
KD-0400	KD4: Section 3 - Remainder of Landscape Softworks not included in Section 3A	0	0		29-Jan-18*	0
KD-0500	KD4A: Section 3A - Landscape Softworks in NBZ1	0	0		31-Aug-18*	0
KD-0600	KD5: Section 4 - Establishment Works for Landscape Softworks under Section 3	0	0		29-Jan-19*	0
KD-0700	KD5A: Section 4A - Establishment Works for Landscape Softworks under Section 3A	0	0		31-Aug-19*	0
KD-0800	KD6: Section 5 - Preservation and Protection of Trees	0	0		31-Aug-18*	0
KD-0900	KD6A: Section 6 - All works in Portion FH9 of the Site but excluding works on the deck surfaces	0	0		27-Apr-17*	0
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		18-Jan-16*	0
KD-1200	KD9: Stage 1C - Completion of viaduct structures and associated civil provisions for TCSS and allow access for other	0	0		19-May-17*	0
KD-1300	KD10: Stage S4 - Completion of road widening of Fanling Highway within SBZ2 and allow access for HY/2012/06	0	0		29-Nov-16*	0
KD-1400	KD11: Stage N4 - Completion of road widening of Fanling Highway within NBZ1 and allow access for HY/2012/06	0	0		11-Sep-17*	0
KD-1500	KD13: Stage N4A - Connection of Access Road A and Slip Road Y at Entrustment Boundary CD	0	0		31-Oct-15*	0
KD-1600	KD14: Stage N4B - Commissioning of Roundabout A by connecting to Slip Rd Y, Access Rd A & the realigned TWSRE	0	0		01-Jun-16*	0
Key Dates (Forecast)		1475	1123	03-Jul-14 A	31-Aug-19	0
KD-0105	KD1: Section 1A - all HyD's entrustment works in Zone3 and SBZ2 excluding Landscape Softworks and Establishment Works	0	0		30-Jan-18	0
KD-0205	KD2: Section 1B - all HyD's entrustment works in NBZ1 excluding Landscape Softworks and Establishment Works	0	0		31-Aug-18	0
KD-0305	KD3: Section 2 - the remainder of the Works	0	0		30-Jan-18	0
KD-0405	KD4: Section 3 - Remainder of Landscape Softworks not included in Section 3A	0	0		29-Jan-18	0
KD-0505	KD4A: Section 3A - Landscape Softworks in NBZ1	0	0		31-Aug-18	0
KD-0605	KD5: Section 4 - Establishment Works for Landscape Softworks under Section 3	0	0		29-Jan-19	0
KD-0705	KD5A: Section 4A - Establishment Works for Landscape Softworks under Section 3A	0	0		31-Aug-19	0
KD-0805	KD6: Section 5 - Preservation and Protection of Trees	0	0		31-Aug-18	0
KD-0905	KD6A: Section 6 - All works in Portion FH9 of the Site but excluding works on the deck surfaces	0	0		27-Apr-17	0
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		19-Jan-16	-1
KD-1205	KD9: Stage 1C - Completion of viaduct structures and associated civil provisions for TCSS and allow access for other	0	0		19-May-17	0
KD-1305	KD10: Stage S4 - Completion of road widening of Fanling Highway within SBZ2 and allow access for HY/2012/06	0	0		29-Nov-16	0
KD-1405	KD11: Stage N4 - Completion of road widening of Fanling Highway within NBZ1 and allow access for HY/2012/06	0	0		11-Sep-17	0
KD-1505	KD13: Stage N4A - Connection of Access Road A and Slip Road Y at Entrustment Boundary CD	0	0		31-Oct-15	0
KD-1605	KD14: Stage N4B - Commissioning of Roundabout A by connecting to Slip Rd Y, Access Rd A & the realigned TWSRE	0	0		01-Jun-16	0
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		



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

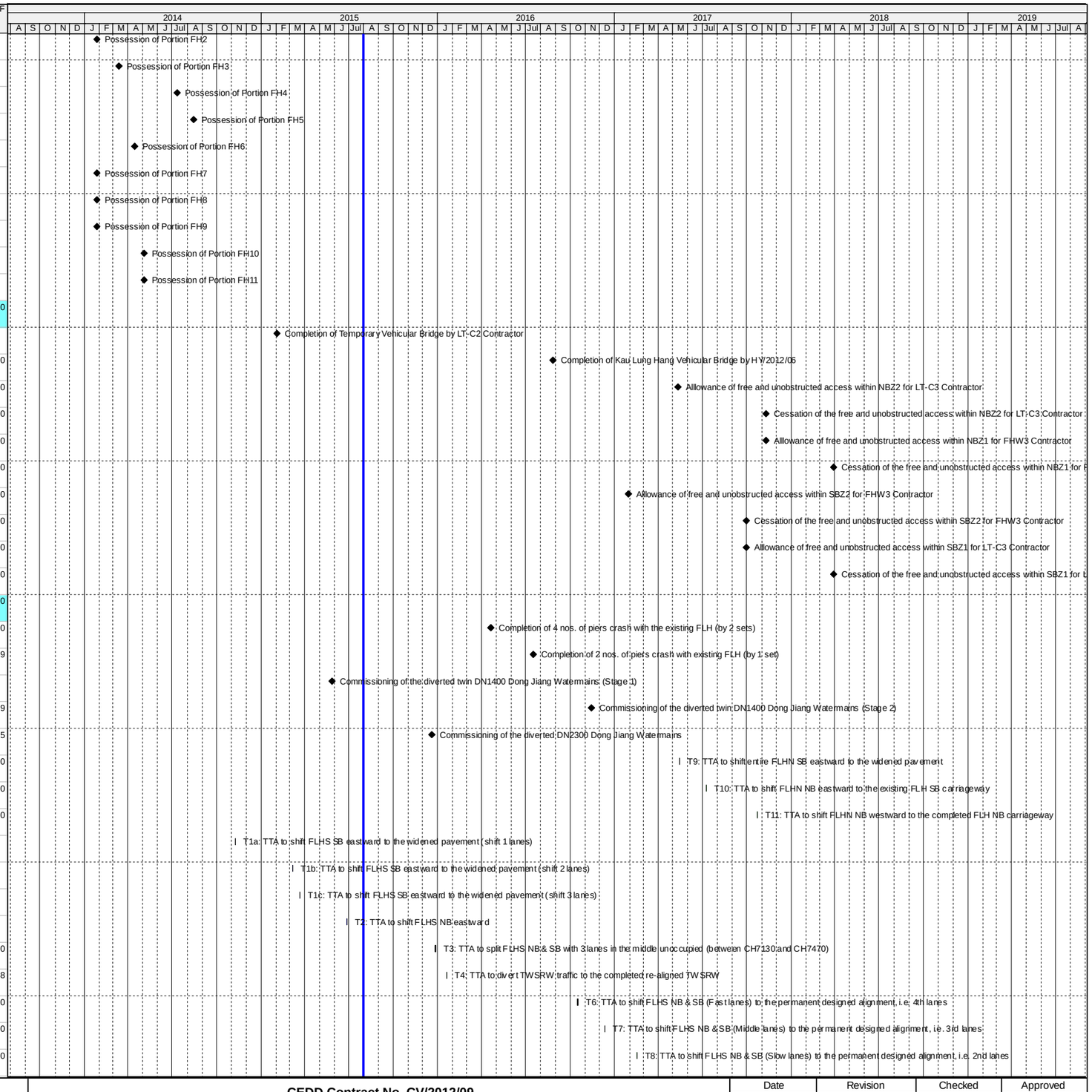
Actual Work
Remaining Work
Summary Bar
Critical Remaining Work
◆ Milestone

CEDD Contract No. CV/2012/09
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision 3B)
Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

Date	Revision	Checked	Approved
29-Jan-14	IWP04	Sam	Victor
08-Jan-15	UMP01	Sam	Victor
24-Apr-15	UMP02	Sam	Victor
01-Aug-15	UMP03	Sam	Victor
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
PS-P02	Possession of Portion FH2	0	0	27-Jan-14 A		
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		
Dependent Milestones from Other Contracts		929	466	03-Feb-15 A	29-Mar-18	0
MS-0100	Completion of Temporary Vehicular Bridge by LT-C2 Contractor	0	0		03-Feb-15 A	
MS-0110	Completion of Kau Lung Hang Vehicular Bridge by HY/2012/06	0	0		25-Aug-16*	0
MS-NBZ-100	Alllowance of free and unobstructed access within NBZ2 for LT-C3 Contractor	0	0	11-May-17*		0
MS-NBZ-110	Cessation of the free and unobstructed access within NBZ2 for LT-C3 Contractor	0	0		09-Nov-17*	0
MS-NBZ-200	Alllowance of free and unobstructed access within NBZ1 for FHW3 Contractor	0	0	09-Nov-17*		0
MS-NBZ-210	Cessation of the free and unobstructed access within NBZ1 for FHW3 Contractor	0	0		29-Mar-18*	0
MS-SBZ-100	Alllowance of free and unobstructed access within SBZ2 for FHW3 Contractor	0	0	29-Jan-17*		0
MS-SBZ-110	Cessation of the free and unobstructed access within SBZ2 for FHW3 Contractor	0	0		30-Sep-17*	0
MS-SBZ-200	Alllowance of free and unobstructed access within SBZ1 for LT-C3 Contractor	0	0	30-Sep-17*		0
MS-SBZ-210	Cessation of the free and unobstructed access within SBZ1 for LT-C3 Contractor	0	0		29-Mar-18*	0
Major Milestones and Events		846	537	09-Nov-14 A	22-Oct-17	0
MS-0200	Completion of 4 nos. of piers crash with the existing FLH (by 2 sets)	0	0		20-Apr-16	210
MS-0210	Completion of 2 nos. of piers crash with existing FLH (by 1 set)	0	0		16-Jul-16	139
MS-0220	Commissioning of the diverted twin DN1400 Dong Jiang Watermains (Stage 1)	0	0		27-May-15 A	
MS-0230	Commissioning of the diverted twin DN1400 Dong Jiang Watermains (Stage 2)	0	0		14-Nov-16	99
MS-0240	Commissioning of the diverted DN2300 Dong Jiang Watermains	0	0		19-Dec-15	295
MS-1000A	T9: TTA to shift entire FLHN SB eastward to the widened pavement	1	1	14-May-17	14-May-17	0
MS-1000B	T10: TTA to shift FLHN NB eastward to the existing FLH SB carriageway	1	1	09-Jul-17	09-Jul-17	0
MS-1000C	T11: TTA to shift FLHN NB westward to the completed FLH NB carriageway	1	1	22-Oct-17	22-Oct-17	0
MS-2000A1	T1a: TTA to shift FLHS SB eastward to the widened pavement (shift 1 lanes)	1	0	09-Nov-14 A	09-Nov-14 A	
MS-2000A2	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-2000A3	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-2000B	T2: TTA to shift FLHS NB eastward	1	0	27-Jun-15 A	27-Jun-15 A	
MS-2000C	T3: TTA to split FLHS NB & SB with 3 lanes in the middle unoccupied (between CH7130 and CH7470)	1	1	27-Dec-15*	27-Dec-15	0
MS-2000D	T4: TTA to divert TWSRW traffic to the completed re-aligned TWSRW	1	1	20-Jan-16	20-Jan-16	68
MS-2000F1	T6: TTA to shift FLHS NB & SB (Fast lanes) to the permanent designed alignment, i.e. 4th lanes	1	1	16-Oct-16	16-Oct-16	0
MS-2000F2	T7: TTA to shift FLHS NB & SB (Middle lanes) to the permanent designed alignment, i.e. 3rd lanes	1	1	11-Dec-16	11-Dec-16	0
MS-2000F3	T8: TTA to shift FLHS NB & SB (Slow lanes) to the permanent designed alignment, i.e. 2nd lanes	1	1	16-Feb-17	16-Feb-17	0



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

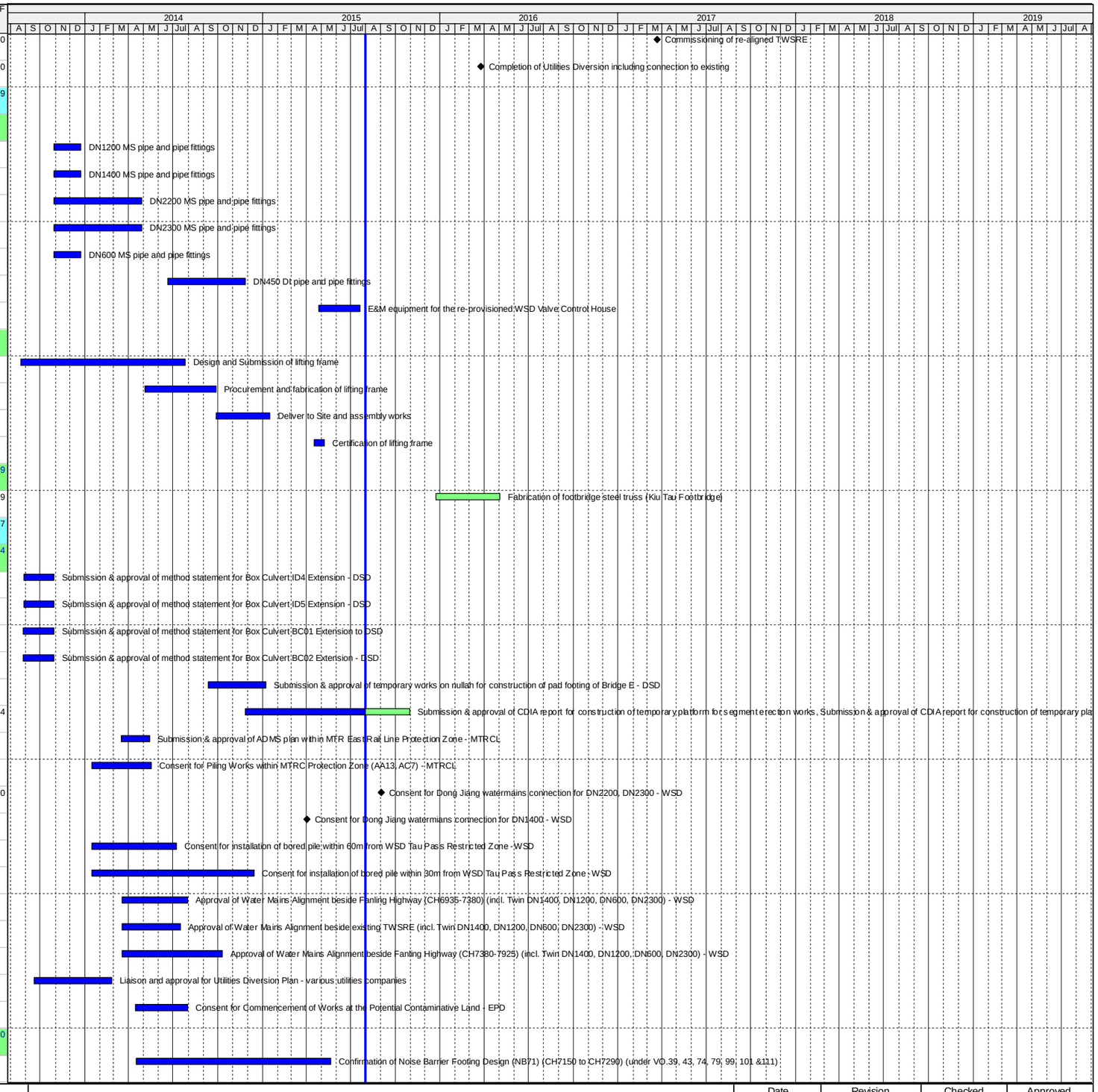
Actual Work
Remaining Work
Summary Bar
Critical Remaining Work
Milestone

CEDD Contract No. CV/2012/09
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision 3B)
Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

Date	Revision	Checked	Approved
29-Jan-14	IWP04	Sam	Victor
08-Jan-15	UMP01	Sam	Victor
24-Apr-15	UMP02	Sam	Victor
01-Aug-15	UMP03	Sam	Victor
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
MS-3010	Commissioning of re-aligned TWSRE	0	0	22-Mar-17		0
MS-3030	Completion of Utilities Diversion including connection to existing	0	0		24-Mar-16	0
Major Procurement & Delivery		713	100	23-Aug-13 A	03-May-16	19
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		100	100	23-Dec-15	03-May-16	19
MM-3050	Fabrication of footbridge steel truss (Kiu Tau Footbridge)	100	100	23-Dec-15	03-May-16	19
Design and Submissions		1111	524	06-Aug-13 A	17-May-17	97
Statutory Approval		653	75	27-Aug-13 A	30-Oct-15	54
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	75	27-Nov-14 A	30-Oct-15	54
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		01-Sep-15*	0
PRE-1210	Consent for Dong Jiang watermians 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	
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-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	
Design Confirmation		390	0	16-Dec-13 A	26-Aug-15	0
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	



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 3B)

Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

Date	Revision	Checked	Approved
29-Jan-14	IWP04	Sam	Victor
08-Jan-15	UMP01	Sam	Victor
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01-Aug-15	UMP03	Sam	Victor
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
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		26-Aug-15*	0
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	
Method Statement and Design (Major) Approved by AECOM		947	524	20-Jan-14 A	17-May-17	97
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-2010	Submission of irrigation systems for the proposed planting	60	60	02-Mar-17	17-May-17	97
PRE-2020	Submission of noise barrier design for absorptive panels, transparent panels and associated fixing details	60	7	11-Mar-14 A	08-Aug-15	155
PRE-2030	Submission of E&M design for lighting of Kiu Tau Footbridge	60	60	18-Dec-15	07-Mar-16	130
PRE-2040	Submission of E&M design for lighting inside viaduct structures of Bridge A, B, C & D	60	60	26-Apr-16	08-Jul-16	69
PRE-2050	Submission of Shop Drawing for fabrication of Kiu Tau Footbridge Steelworks	30	30	18-Nov-15	22-Dec-15	19
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	Constractor'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	
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	

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

Updated Master Works Programme (Revision 3B)
Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

Date	Revision	Checked	Approved
29-Jan-14	IWP04	Sam	Victor
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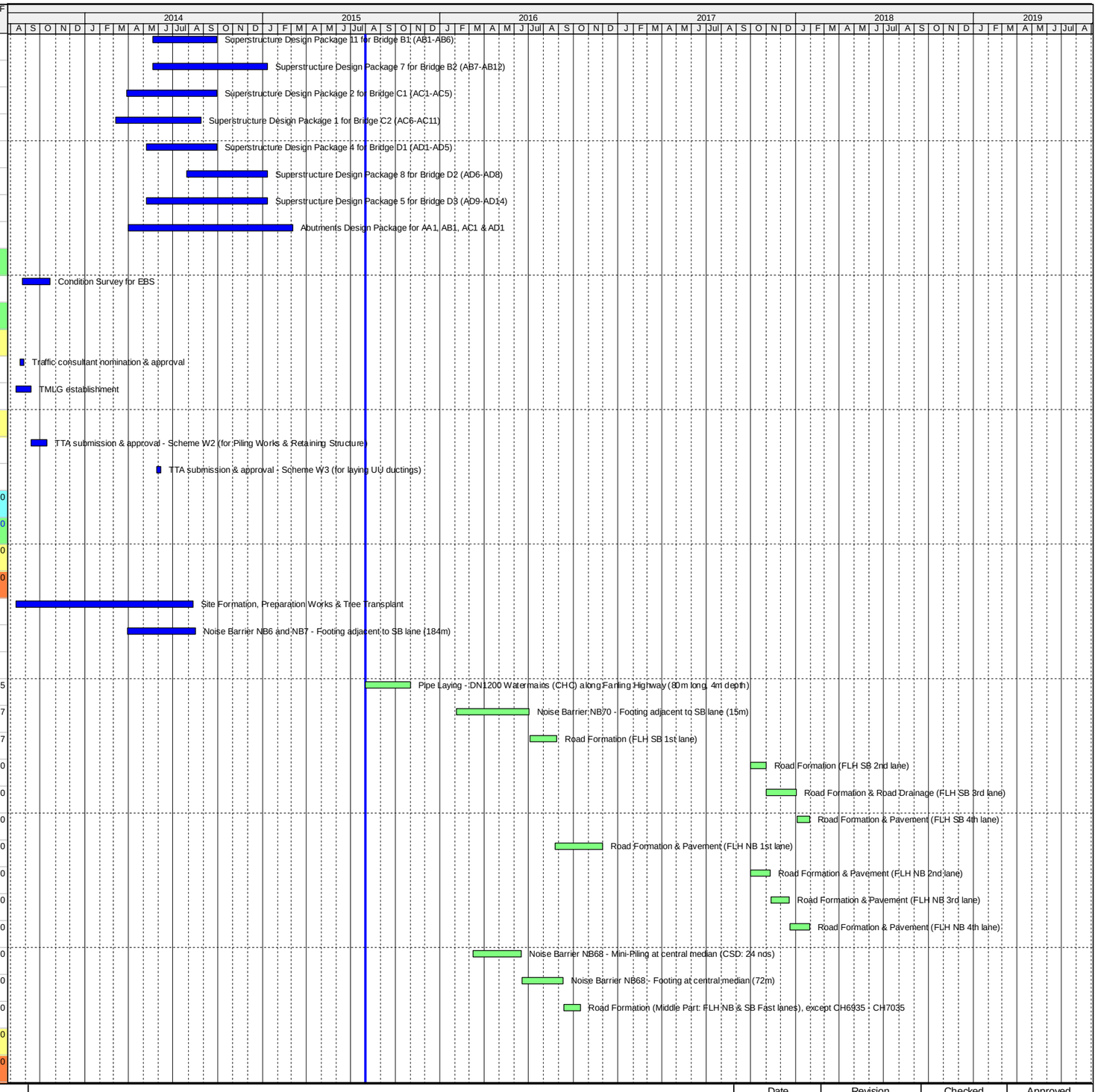
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
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		358	0	12-Aug-13 A	06-Jun-14 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	
Section IA & IB - Fanling Highway Widening (KD-1 & KD-2)		1419	906	12-Aug-13 A	31-Aug-18	0
Fanling Highway South Portion between CH6935 and CH7470		1250	737	12-Aug-13 A	30-Jan-18	0
Fanling Highway Zone 1 between CH6935 and CH7130 (within SBZ2)		1250	737	12-Aug-13 A	30-Jan-18	0
At-Grade Roadworks (195m)		1250	737	12-Aug-13 A	30-Jan-18	0
FHW-1100	Site Formation, Preparation Works & Tree Transplant	65	0	12-Aug-13 A	11-Aug-14 A	
FHW-1110	Noise Barrier NB6 and NB7 - Footing adjacent to SB lane (184m)	280	0	29-Mar-14 A	16-Aug-14 A	
FHW-1120*	Pipe Laying - DN1200 Watermains (CHC) across Fanling Highway (total 80m for 2 shafts)	275	0	09-Jun-14 A	12-Feb-15 A	
FHW-1130*	Pipe Laying - DN1200 Watermains (CHC) along Fanling Highway (80m long, 4m depth)	182	76	20-Feb-14 A	31-Oct-15	155
FHW-1140	Noise Barrier NB70 - Footing adjacent to SB lane (15m)	115	115	04-Feb-16	02-Jul-16	77
FHW-1150	Road Formation (FLH SB 1st lane)	48	48	04-Jul-16	27-Aug-16	77
FHW-1160	Road Formation (FLH SB 2nd lane)	25	25	30-Sep-17	01-Nov-17	0
FHW-1170	Road Formation & Road Drainage (FLH SB 3rd lane)	50	50	02-Nov-17	02-Jan-18	0
FHW-1180	Road Formation & Pavement (FLH SB 4th lane)	24	24	03-Jan-18	30-Jan-18	0
FHW-1210	Road Formation & Pavement (FLH NB 1st lane)	80	80	25-Aug-16	29-Nov-16	0
FHW-1220	Road Formation & Pavement (FLH NB 2nd lane)	33	33	30-Sep-17	10-Nov-17	0
FHW-1230	Road Formation & Pavement (FLH NB 3rd lane)	33	33	11-Nov-17	19-Dec-17	0
FHW-1240	Road Formation & Pavement (FLH NB 4th lane)	33	33	20-Dec-17	30-Jan-18	0
FHW-1300	Noise Barrier NB68 - Mini-Piling at central median (CSD: 24 nos)	80	80	08-Mar-16	16-Jun-16	0
FHW-1310	Noise Barrier NB68 - Footing at central median (72m)	73	73	17-Jun-16	10-Sep-16	0
FHW-1320	Road Formation (Middle Part: FLH NB & SB Fast lanes), except CH6935 - CH7035	27	27	12-Sep-16	15-Oct-16	0
Fanling Highway Zone 2 between CH7130 and CH7290		1113	737	17-Apr-14 A	30-Jan-18	0
At-Grade Roadworks (160m)		1113	737	17-Apr-14 A	30-Jan-18	0



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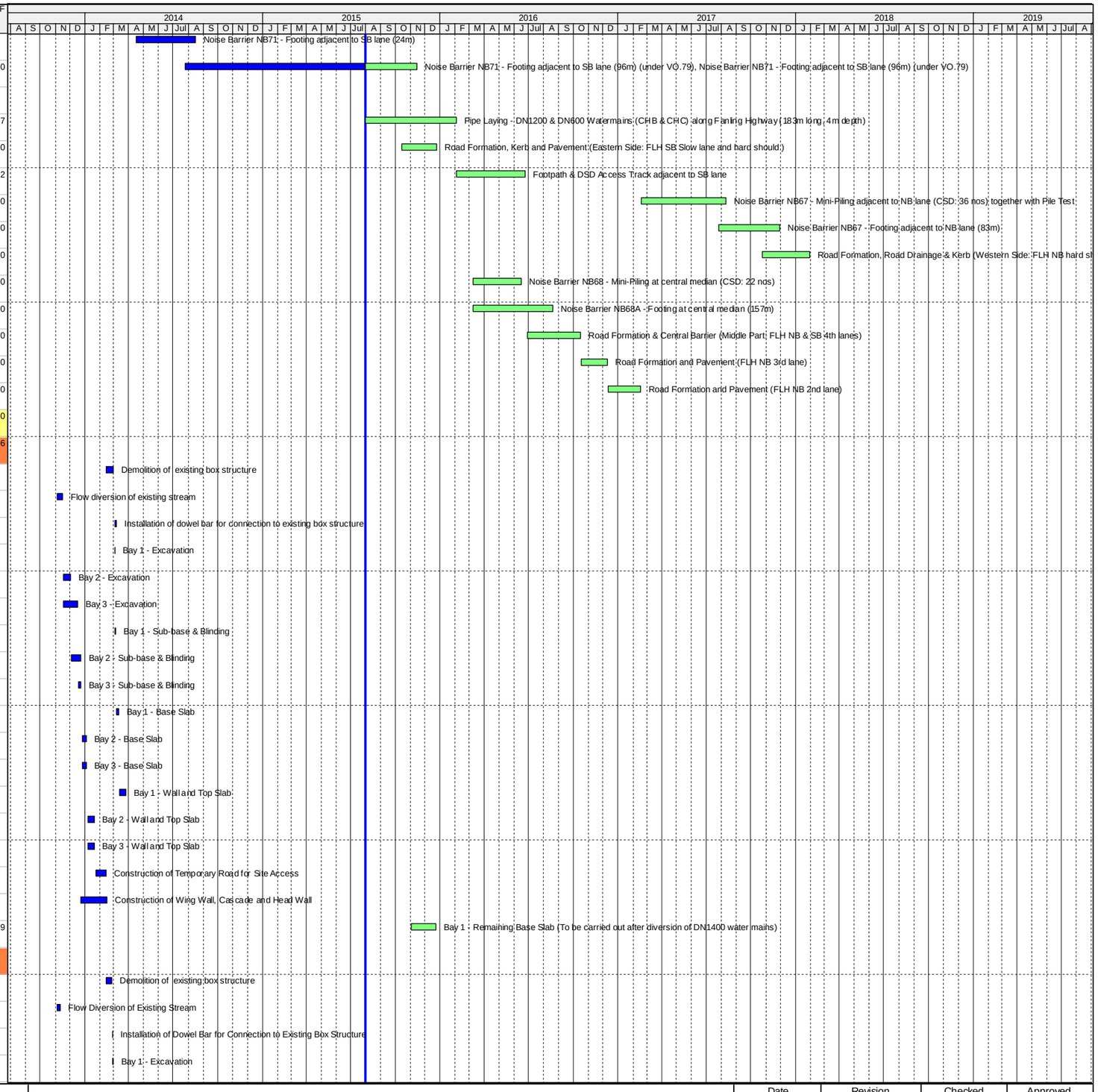
FHW-2110A	Noise Barrier NB71 - Footing adjacent to SB lane (24m)	70	0	17-Apr-14 A	16-Aug-14 A	
FHW-2110B	Noise Barrier NB71 - Footing adjacent to SB lane (96m) (under VO.79)	341	88	26-Jul-14 A	14-Nov-15	0
FHW-2120*	Pipe Laying - Twin DN1400 Watermains (CHE & G) along Fanling Highway (44m long, 6m depth)	85	0	09-Jul-14 A	19-Dec-14 A	
FHW-2130*	Pipe Laying - DN1200 & DN600 Watermains (CHB & CHC) along Fanling Highway (183m long, 4m depth)	144	154	13-Jul-15 A	03-Feb-16	77
FHW-2140	Road Formation, Kerb and Pavement (Eastern Side: FLH SB Slow lane and hard should)	61	61	14-Oct-15	24-Dec-15	0
FHW-2190	Footpath & DSD Access Track adjacent to SB lane	108	108	04-Feb-16	23-Jun-16	172
FHW-2200	Noise Barrier NB67 - Mini-Piling adjacent to NB lane (CSD: 36 nos) together with Pile Test	143	143	17-Feb-17	11-Aug-17	0
FHW-2210	Noise Barrier NB67 - Footing adjacent to NB lane (83m)	105	105	27-Jul-17	29-Nov-17	0
FHW-2220	Road Formation, Road Drainage & Kerb (Western Side: FLH NB hard shoulder and 1st lane)	80	80	25-Oct-17	30-Jan-18	0
FHW-2300	Noise Barrier NB68 - Mini-Piling at central median (CSD: 22 nos)	80	80	08-Mar-16	16-Jun-16	0
FHW-2310	Noise Barrier NB68A - Footing at central median (157m)	135	135	08-Mar-16	20-Aug-16	0
FHW-2320	Road Formation & Central Barrier (Middle Part: FLH NB & SB 4th lanes)	90	90	29-Jun-16	15-Oct-16	0
FHW-2400	Road Formation and Pavement (FLH NB 3rd lane)	48	48	17-Oct-16	10-Dec-16	0
FHW-2410	Road Formation and Pavement (FLH NB 2nd lane)	48	48	12-Dec-16	15-Feb-17	0
Fanling Highway Zone 3 between CH7290 and CH7380		1230	737	05-Nov-13 A	30-Jan-18	0
Box Culvert Extension - ID4		614	45	05-Nov-13 A	23-Dec-15	616
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)	45	45	02-Nov-15	23-Dec-15	269
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	



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Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

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29-Jan-14	IWP04	Sam	Victor
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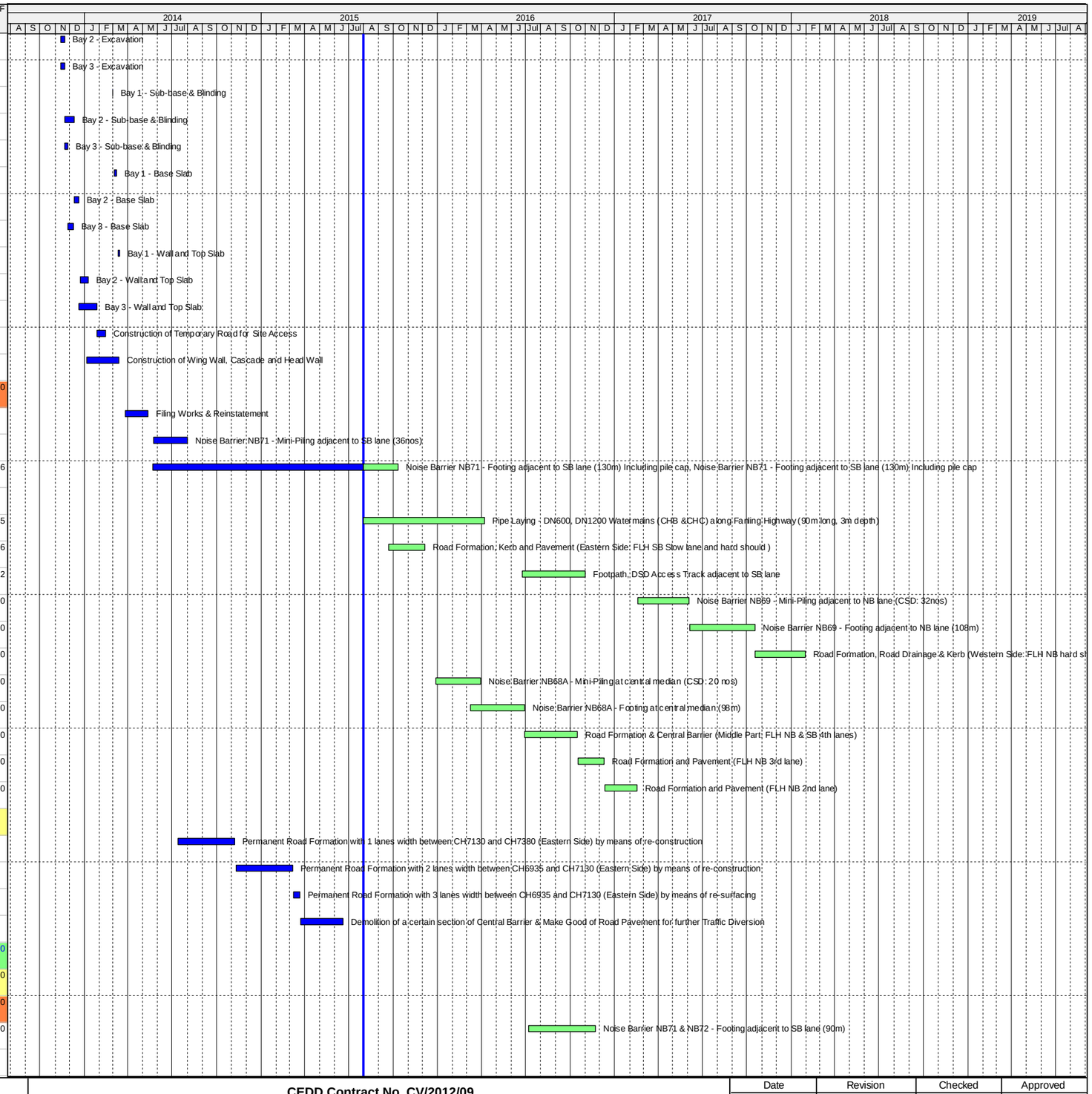
24-Apr-15	UMP02	Sam	Victor
01-Aug-15	UMP03	Sam	Victor
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
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	
At-Grade Roadworks (130m)		1113	737	27-Mar-14 A	30-Jan-18	0
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	59	23-May-14 A	10-Oct-15	16
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	199	07-Jun-14 A	07-Apr-16	235
FHW-3160	Road Formation, Kerb and Pavement (Eastern Side: FLH SB Slow lane and hard should)	63	63	21-Sep-15	05-Dec-15	16
FHW-3170	Footpath, DSD Access Track adjacent to SB lane	108	108	24-Jun-16	01-Nov-16	172
FHW-3210	Noise Barrier NB69 - Mini-Piling adjacent to NB lane (CSD: 32nos)	85	85	17-Feb-17	03-Jun-17	0
FHW-3220	Noise Barrier NB69 - Footing adjacent to NB lane (108m)	113	113	05-Jun-17	17-Oct-17	0
FHW-3230	Road Formation, Road Drainage & Kerb (Western Side: FLH NB hard shoulder)	86	86	18-Oct-17	30-Jan-18	0
FHW-3300	Noise Barrier NB68A - Mini-Piling at central median (CSD: 20 nos)	70	70	28-Dec-15	29-Mar-16	0
FHW-3310	Noise Barrier NB68A - Footing at central median (98m)	90	90	08-Mar-16	28-Jun-16	0
FHW-3320	Road Formation & Central Barrier (Middle Part: FLH NB & SB 4th lanes)	90	90	29-Jun-16	15-Oct-16	0
FHW-3400	Road Formation and Pavement (FLH NB 3rd lane)	48	48	17-Oct-16	10-Dec-16	0
FHW-3410	Road Formation and Pavement (FLH NB 2nd lane)	48	48	12-Dec-16	15-Feb-17	0
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		1405	906	30-Aug-13 A	31-Aug-18	0
Fanling Highway Zone 4 between CH7380 and CH7470		846	479	15-Oct-14 A	21-Oct-17	0
At-Grade Roadworks (90m)		846	479	15-Oct-14 A	21-Oct-17	0
FHW-4100	Noise Barrier NB71 & NB72 - Footing adjacent to SB lane (90m)	115	115	07-Jul-16	21-Nov-16	10
FHW-4120*	Pipe Laying - Twin DN1400 Watermains (CHE & CHG) along Fanling Highway (90m long, 3m depth)	155	0	15-Oct-14 A	12-Mar-15 A	



Actual 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

Updated Master Works Programme (Revision 3B)
Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

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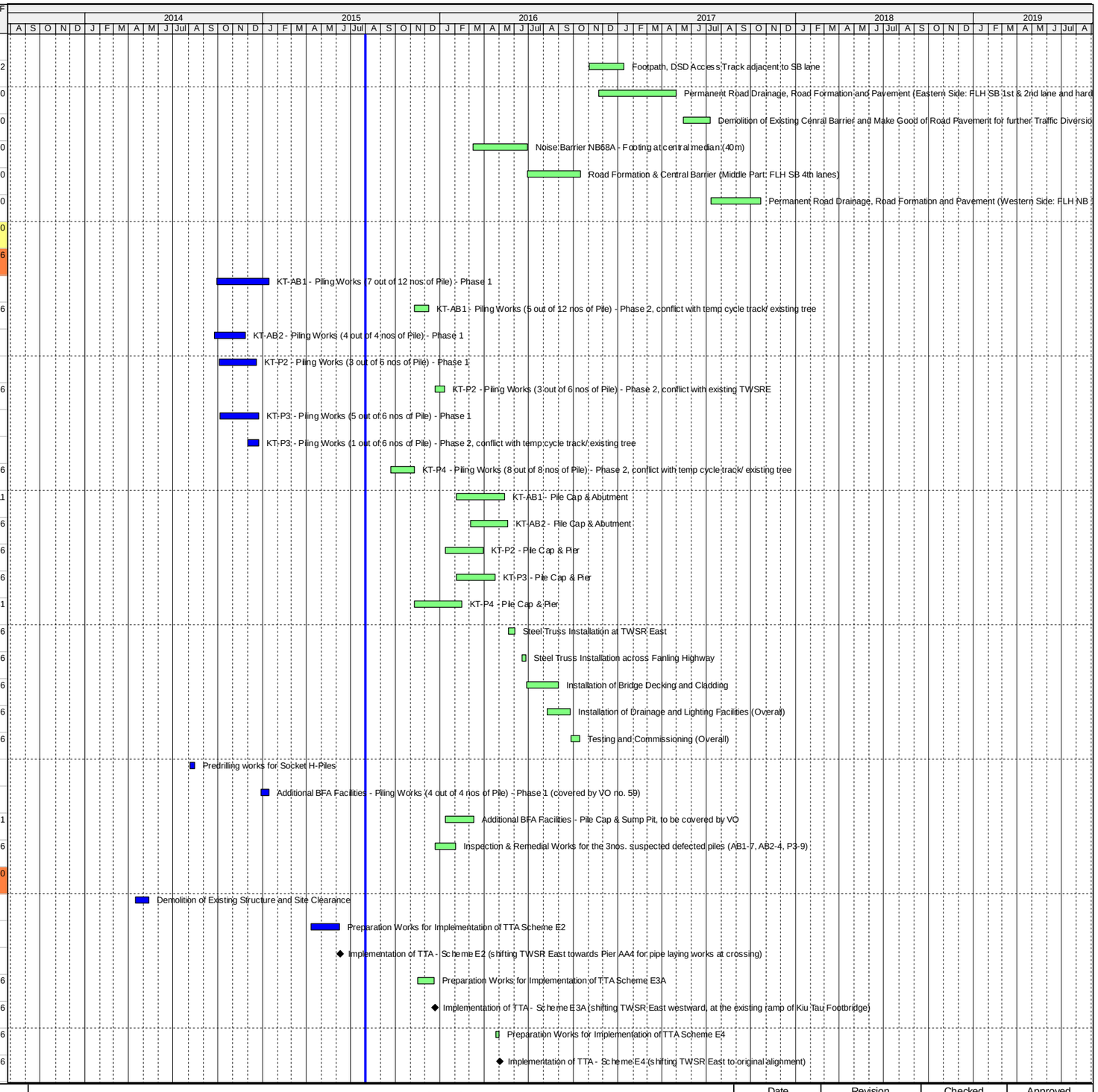
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
FHW-4130*	Pipe Laying - DN600 & DN1200 Watermains (CHB &CHC) along Fanling Highway (90m long, 3m depth)	60	0	27-Nov-14 A	18-May-15 A	
FHW-4140	Footpath, DSD Access Track adjacent to SB lane	60	60	02-Nov-16	13-Jan-17	172
FHW-4150	Permanent Road Drainage, Road Formation and Pavement (Eastern Side: FLH SB 1st & 2nd lane and hard shoulder)	124	124	22-Nov-16	29-Apr-17	10
FHW-4200	Demolition of Existing Cenral Barrier and Make Good of Road Pavement for further Traffic Diversion	46	46	15-May-17	08-Jul-17	0
FHW-4210	Noise Barrier NB68A - Footing at central median (40m)	90	90	08-Mar-16	28-Jun-16	0
FHW-4220	Road Formation & Central Barrier (Middle Part: FLH SB 4th lanes)	90	90	29-Jun-16	15-Oct-16	0
FHW-4300	Permanent Road Drainage, Road Formation and Pavement (Western Side: FLH NB 1st & 2nd and hard shoulder)	88	88	10-Jul-17	21-Oct-17	0
Fanling Highway Zone 5 between CH7470 and CH7600 (Provision of Kiu Tau Footbridge)		1099	694	15-Apr-14 A	30-Jan-18	0
Kiu Tau Footbridge Reprovision (East)		630	311	05-Aug-14 A	13-Oct-16	6
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	25	10-Nov-15	08-Dec-15	36
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	15	15	21-Dec-15	09-Jan-16	26
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	40	21-Sep-15	09-Nov-15	36
FHW-5010A	KT-AB1 - Pile Cap & Abutment	75	75	03-Feb-16	12-May-16	11
FHW-5010B	KT-AB2 - Pile Cap & Abutment	60	60	04-Mar-16	19-May-16	6
FHW-5010C	KT-P2 - Pile Cap & Pier	60	60	11-Jan-16	30-Mar-16	26
FHW-5010D	KT-P3 - Pile Cap & Pier	60	60	03-Feb-16	23-Apr-16	6
FHW-5010E	KT-P4 - Pile Cap & Pier	75	75	10-Nov-15	15-Feb-16	81
FHW-5020	Steel Truss Installation at TWSR East	12	12	20-May-16	02-Jun-16	6
FHW-5030	Steel Truss Installation across Fanling Highway	7	7	18-Jun-16	25-Jun-16	6
FHW-5040	Installation of Bridge Decking and Cladding	56	56	27-Jun-16	31-Aug-16	6
FHW-5050	Installation of Drainage and Lighting Facilities (Overall)	40	40	09-Aug-16	24-Sep-16	6
FHW-5060	Testing and Commissioning (Overall)	14	14	26-Sep-16	13-Oct-16	6
FHW-5070	Predrilling works for Socket H-Piles	45	0	05-Aug-14 A	14-Aug-14 A	
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-5090	Additional BFA Facilities - Pile Cap & Sump Pit, to be covered by VO	45	45	11-Jan-16	09-Mar-16	61
FHW-5110	Inspection & Remedial Works for the 3nos. suspected defected piles (AB1-7, AB2-4, P3-9)	35	35	21-Dec-15	02-Feb-16	6
At-Grade Road Works (130m)		1099	649	15-Apr-14 A	30-Jan-18	0
FHW-5100	Demolition of Existing Structure and Site Clearance	45	0	15-Apr-14 A	13-May-14 A	
FHW-5120A	Preparation Works for Implementation of TTA Scheme E2	51	0	11-Apr-15 A	08-Jun-15 A	
FHW-5120B	Implementation of TTA - Scheme E2 (shifting TWSR East towards Pier AA4 for pipe laying works at crossing)	0	0	09-Jun-15 A		
FHW-5120C	Preparation Works for Implementation of TTA Scheme E3A	30	30	16-Nov-15	19-Dec-15	6
FHW-5120D	Implementation of TTA - Scheme E3A (shifting TWSR East westward, at the existing ramp of Kiu Tau Footbridge)	0	0	21-Dec-15		26
FHW-5120E	Preparation Works for Implementation of TTA Scheme E4	6	6	25-Apr-16	30-Apr-16	86
FHW-5120F	Implementation of TTA - Scheme E4 (shifting TWSR East to original alignment)	0	0	03-May-16		86



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 3B)
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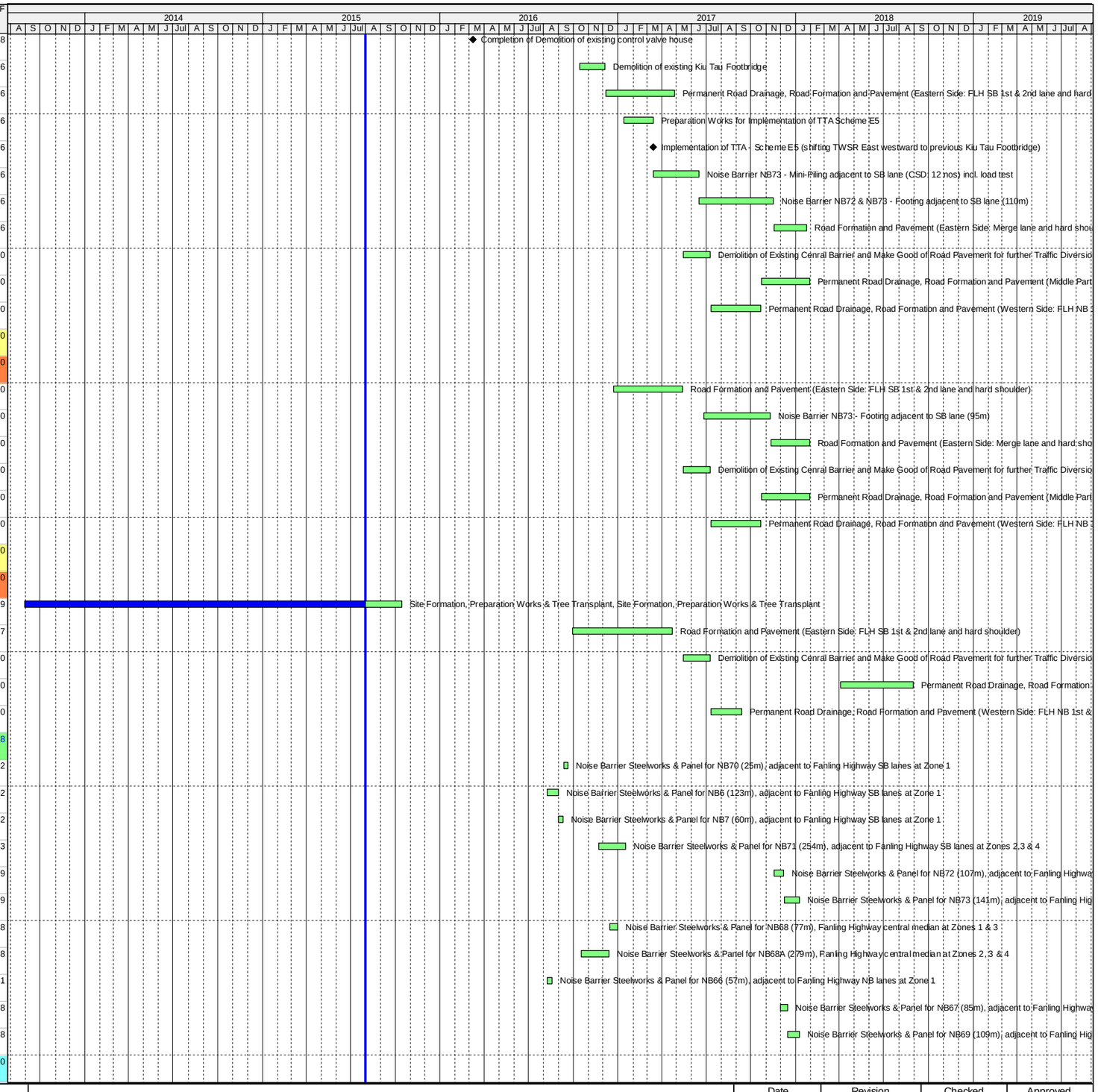
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
FHW-5130	Completion of Demolition of existing control valve house	0	0		08-Mar-16	228
FHW-5140	Demolition of existing Kiu Tau Footbridge	45	45	14-Oct-16	05-Dec-16	6
FHW-5150	Permanent Road Drainage, Road Formation and Pavement (Eastern Side: FLH SB 1st & 2nd lane and hard shoulder)	110	110	06-Dec-16	27-Apr-17	6
FHW-5160A	Preparation Works for Implementation of TTA Scheme E5	45	45	13-Jan-17	13-Mar-17	6
FHW-5160B	Implementation of TTA - Scheme E5 (shifting TWSR East westward to previous Kiu Tau Footbridge)	0	0	14-Mar-17		6
FHW-5170	Noise Barrier NB73 - Mini-Piling adjacent to SB lane (CSD: 12 nos) incl. load test	75	75	14-Mar-17	16-Jun-17	6
FHW-5180	Noise Barrier NB72 & NB73 - Footing adjacent to SB lane (110m)	127	127	17-Jun-17	16-Nov-17	6
FHW-5190	Road Formation and Pavement (Eastern Side: Merge lane and hard shoulder)	55	55	17-Nov-17	23-Jan-18	6
FHW-5200	Demolition of Existing Cenral Barrier and Make Good of Road Pavement for further Traffic Diversion	46	46	15-May-17	08-Jul-17	0
FHW-5210	Permanent Road Drainage, Road Formation and Pavement (Middle Part: FLH SB & NB 3rd & 4th 3rd & 4th and central barrier)	82	82	23-Oct-17	30-Jan-18	0
FHW-5300	Permanent Road Drainage, Road Formation and Pavement (Western Side: FLH NB 1st & 2nd and hard shoulder)	88	88	10-Jul-17	21-Oct-17	0
Fanling Highway Zone 6 between CH7600 and CH7660 (Existing Vehicular Bridge)		324	324	22-Dec-16	30-Jan-18	0
At-Grade Roadworks (60m)		324	324	22-Dec-16	30-Jan-18	0
FHW-6100	Road Formation and Pavement (Eastern Side: FLH SB 1st & 2nd lane and hard shoulder)	108	108	22-Dec-16	13-May-17	0
FHW-6110	Noise Barrier NB73 - Footing adjacent to SB lane (95m)	115	115	26-Jun-17	10-Nov-17	0
FHW-6120	Road Formation and Pavement (Eastern Side: Merge lane and hard shoulder)	66	66	11-Nov-17	30-Jan-18	0
FHW-6200	Demolition of Existing Cenral Barrier and Make Good of Road Pavement for further Traffic Diversion	46	46	15-May-17	08-Jul-17	0
FHW-6210	Permanent Road Drainage, Road Formation and Pavement (Middle Part: FLH SB & NB 3rd & 4th 3rd & 4th and central barrier)	82	82	23-Oct-17	30-Jan-18	0
FHW-6300	Permanent Road Drainage, Road Formation and Pavement (Western Side: FLH NB 1st & 2nd and hard shoulder)	88	88	10-Jul-17	21-Oct-17	0
Fanling Highway Zone 7 between CH7660 and CH7925		1405	906	30-Aug-13 A	31-Aug-18	0
At-Grade Roadworks (265m)		1405	906	30-Aug-13 A	31-Aug-18	0
FHW-7100	Site Formation, Preparation Works & Tree Transplant	127	62	30-Aug-13 A	14-Oct-15	19
FHW-7110	Road Formation and Pavement (Eastern Side: FLH SB 1st & 2nd lane and hard shoulder)	160	160	30-Sep-16	21-Apr-17	17
FHW-7200	Demolition of Existing Cenral Barrier and Make Good of Road Pavement for further Traffic Diversion	46	46	15-May-17	08-Jul-17	0
FHW-7210	Permanent Road Drainage, Road Formation and Pavement (Middle Part: FLH SB & NB 3rd & 4th 3rd & 4th and central barrier)	125	125	03-Apr-18	31-Aug-18	0
FHW-7300	Permanent Road Drainage, Road Formation and Pavement (Western Side: FLH NB 1st & 2nd and hard shoulder)	55	55	10-Jul-17	11-Sep-17	0
Remaining Works for Noise Barrier along widened Fanling Highway		420	420	08-Aug-16	09-Jan-18	18
FHW-NB-110	Noise Barrier Steelworks & Panel for NB70 (25m), adjacent to Fanling Highway SB lanes at Zone 1	6	6	12-Sep-16	19-Sep-16	402
FHW-NB-120	Noise Barrier Steelworks & Panel for NB6 (123m), adjacent to Fanling Highway SB lanes at Zone 1	20	20	08-Aug-16	30-Aug-16	402
FHW-NB-130	Noise Barrier Steelworks & Panel for NB7 (60m), adjacent to Fanling Highway SB lanes at Zone 1	10	10	31-Aug-16	10-Sep-16	402
FHW-NB-140	Noise Barrier Steelworks & Panel for NB71 (254m), adjacent to Fanling Highway SB lanes at Zones 2,3 & 4	45	45	22-Nov-16	16-Jan-17	263
FHW-NB-150	Noise Barrier Steelworks & Panel for NB72 (107m), adjacent to Fanling Highway SB lanes at Zones 4 & 5	18	18	17-Nov-17	07-Dec-17	19
FHW-NB-160	Noise Barrier Steelworks & Panel for NB73 (141m), adjacent to Fanling Highway SB lanes at Zones 5 & 6	24	24	08-Dec-17	08-Jan-18	19
FHW-NB-210	Noise Barrier Steelworks & Panel for NB68 (77m), Fanling Highway central median at Zones 1 & 3	13	13	14-Dec-16	30-Dec-16	318
FHW-NB-220	Noise Barrier Steelworks & Panel for NB68A (279m), Fanling Highway central median at Zones 2, 3 & 4	50	50	17-Oct-16	13-Dec-16	318
FHW-NB-310	Noise Barrier Steelworks & Panel for NB66 (57m), adjacent to Fanling Highway NB lanes at Zone 1	10	10	08-Aug-16	18-Aug-16	351
FHW-NB-320	Noise Barrier Steelworks & Panel for NB67 (85m), adjacent to Fanling Highway NB lanes at Zones 2 & 3	14	14	30-Nov-17	15-Dec-17	18
FHW-NB-330	Noise Barrier Steelworks & Panel for NB69 (109m), adjacent to Fanling Highway NB lanes near LR1 at Zone 3	18	18	16-Dec-17	09-Jan-18	18
Section II - Remainder of the Works (KD-3)		1160	737	02-Jan-14 A	30-Jan-18	0



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

Updated Master Works Programme (Revision 3B)

Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

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29-Jan-14	IWP04	Sam	Victor
08-Jan-15	UMP01	Sam	Victor
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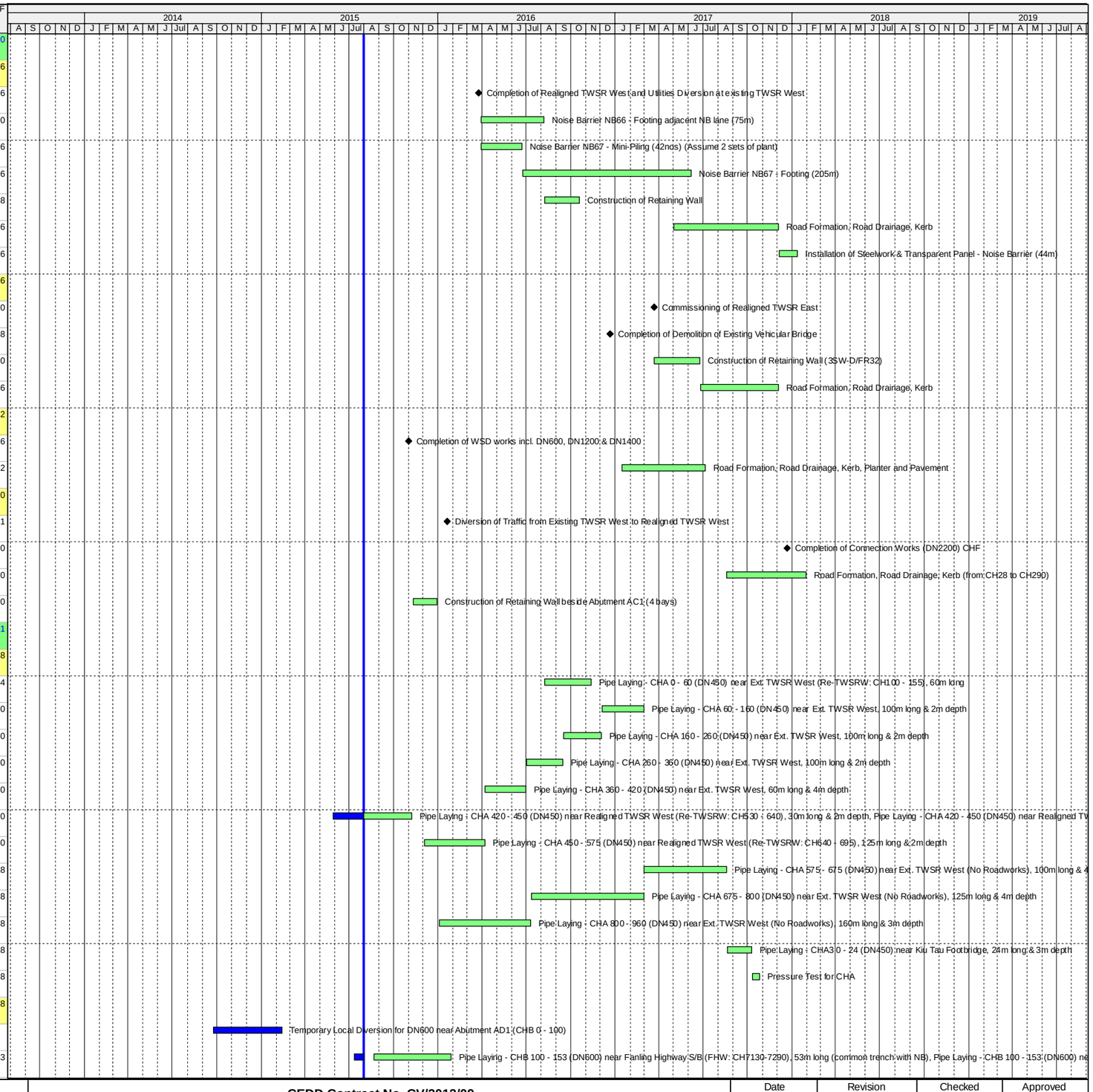
01-Aug-15	UMP03	Sam	Victor
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
At Grade Link Road at Fanling Highway Interchange		661	661	31-Oct-15	30-Jan-18	0
Link Road 1 (near Abutment AB1)		530	530	24-Mar-16	11-Jan-18	16
FHI-LR1-1000	Completion of Realigned TWSR West and Utilities Diversion at existing TWSR West	0	0		24-Mar-16	16
FHI-LR1-1005	Noise Barrier NB66 - Footing adjacent NB lane (75m)	108	108	29-Mar-16	06-Aug-16	0
FHI-LR1-1010	Noise Barrier NB67 - Mini-Piling (42nos) (Assume 2 sets of plant)	70	70	29-Mar-16	22-Jun-16	16
FHI-LR1-1020	Noise Barrier NB67 - Footing (205m)	280	280	23-Jun-16	07-Jun-17	16
FHI-LR1-1030	Construction of Retaining Wall	60	60	08-Aug-16	19-Oct-16	168
FHI-LR1-1040	Road Formation, Road Drainage, Kerb	180	180	02-May-17	04-Dec-17	16
FHI-LR1-1050	Installation of Steelwork & Transparent Panel - Noise Barrier (44m)	30	30	05-Dec-17	11-Jan-18	16
Link Road 2 (near Abutment AA1)		278	278	21-Dec-16	04-Dec-17	46
FHI-LR2-2000A	Commissioning of Realigned TWSR East	0	0	22-Mar-17		0
FHI-LR2-2000B	Completion of Demolition of Existing Vehicular Bridge	0	0		21-Dec-16	68
FHI-LR2-2010	Construction of Retaining Wall (3SW-D/FR32)	75	75	22-Mar-17	24-Jun-17	0
FHI-LR2-2020	Road Formation, Road Drainage, Kerb	135	135	26-Jun-17	04-Dec-17	46
Link Road 3 (near Abutment AD1)		489	489	31-Oct-15	06-Jul-17	172
FHI-LR3-3000	Completion of WSD works incl. DN600, DN1200 & DN1400	0	0		31-Oct-15	526
FHI-LR3-3020	Road Formation, Road Drainage, Kerb, Planter and Pavement	135	135	14-Jan-17	06-Jul-17	172
Link Road 4 (near Abutment AC1)		653	653	11-Nov-15	30-Jan-18	0
FHI-LR4-4000	Diversion of Traffic from Existing TWSR West to Realigned TWSR West	0	0	20-Jan-16		461
FHI-LR4-4010	Completion of Connection Works (DN2200) CHF	0	0		21-Dec-17	0
FHI-LR4-4020	Road Formation, Road Drainage, Kerb (from CH28 to CH290)	135	135	19-Aug-17	30-Jan-18	0
FHI-LR4-4030	Construction of Retaining Wall beside Abutment AC1 (4 bays)	40	40	11-Nov-15	29-Dec-15	0
WSD Works		1129	706	20-Feb-14 A	21-Dec-17	31
DN450 Fire Mains (CHA)		693	659	29-May-15 A	26-Oct-17	78
WA-1000	Pipe Laying - CHA 0 - 60 (DN450) near Ext. TWSR West (Re-TWSRW: CH100 - 155), 60m long	80	80	08-Aug-16	11-Nov-16	344
WA-1010	Pipe Laying - CHA 60 - 160 (DN450) near Ext. TWSR West, 100m long & 2m depth	65	65	05-Dec-16	28-Feb-17	260
WA-1020	Pipe Laying - CHA 160 - 260 (DN450) near Ext. TWSR West, 100m long & 2m depth	65	65	17-Sep-16	03-Dec-16	260
WA-1030	Pipe Laying - CHA 260 - 360 (DN450) near Ext. TWSR West, 100m long & 2m depth	65	65	02-Jul-16	15-Sep-16	260
WA-1040	Pipe Laying - CHA 360 - 420 (DN450) near Ext. TWSR West, 60m long & 4m depth	70	70	07-Apr-16	30-Jun-16	260
WA-1050	Pipe Laying - CHA 420 - 450 (DN450) near Realigned TWSR West (Re-TWSRW: CH530 - 640), 30m long & 2m depth	70	82	29-May-15 A	07-Nov-15	0
WA-1060	Pipe Laying - CHA 450 - 575 (DN450) near Realigned TWSR West (Re-TWSRW: CH640 - 695), 125m long & 2m depth	95	95	03-Dec-15	06-Apr-16	260
WA-1070	Pipe Laying - CHA 575 - 675 (DN450) near Ext. TWSR West (No Roadworks), 100m long & 4m depth	140	140	01-Mar-17	19-Aug-17	78
WA-1080	Pipe Laying - CHA 675 - 800 (DN450) near Ext. TWSR West (No Roadworks), 125m long & 4m depth	188	188	11-Jul-16	28-Feb-17	78
WA-1090	Pipe Laying - CHA 800 - 960 (DN450) near Ext. TWSR West (No Roadworks), 160m long & 3m depth	148	148	04-Jan-16*	09-Jul-16	78
WA-1100	Pipe Laying - CHA3 0 - 24 (DN450) near Kiu Tau Footbridge, 24m long & 3m depth	42	42	21-Aug-17	10-Oct-17	78
WA-2000	Pressure Test for CHA	14	14	11-Oct-17	26-Oct-17	78
DN600 Water Mains (CHB)		670	479	25-Sep-14 A	18-Mar-17	258
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 - 153 (DN600) near Fanling Highway S/B (FHW: CH7130-7290), 53m long (common trench with NB)	45	130	13-Jul-15 A	27-Jan-16	83



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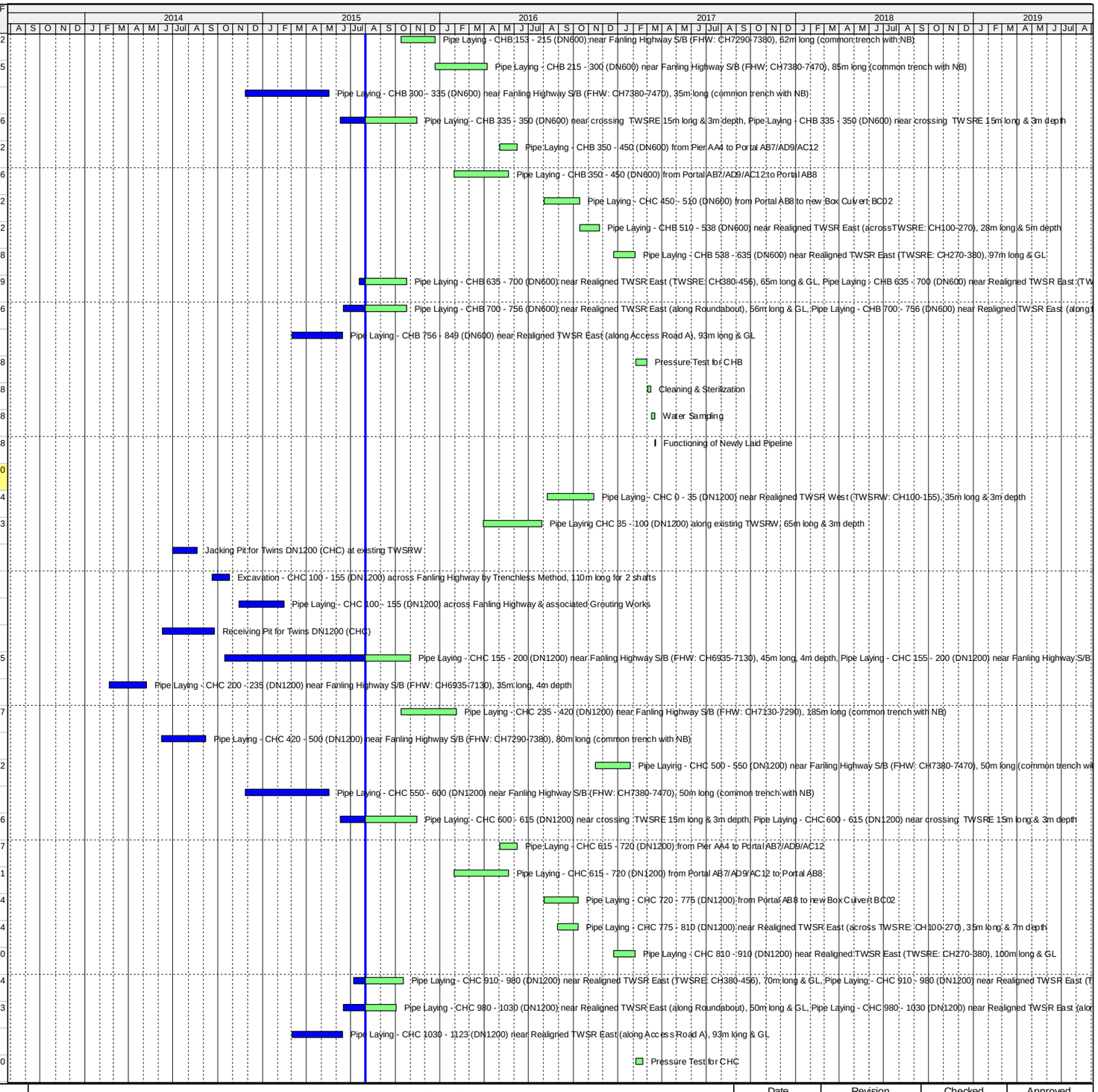
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
WB-1010	Pipe Laying - CHB 153 - 215 (DN600) near Fanling Highway S/B (FHW: CH7290-7380), 62m long (common trench with NB)	60	60	12-Oct-15	21-Dec-15	112
WB-1020	Pipe Laying - CHB 215 - 300 (DN600) near Fanling Highway S/B (FHW: CH7380-7470), 85m long (common trench with NB)	80	80	22-Dec-15	07-Apr-16	235
WB-1020A	Pipe Laying - CHB 300 - 335 (DN600) near Fanling Highway 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 - 350 (DN600) near crossing TWSRE 15m long & 3m depth	30	88	09-Jun-15 A	14-Nov-15	6
WB-1030B	Pipe Laying - CHB 350 - 450 (DN600) from Pier AA4 to Portal AB7/AD9/AC12	30	30	03-May-16	07-Jun-16	452
WB-1030C	Pipe Laying - CHB 350 - 450 (DN600) from Portal AB7/AD9/AC12 to Portal AB8	85	85	30-Jan-16	21-May-16	466
WB-1030D	Pipe Laying - CHC 450 - 510 (DN600) from Portal AB8 to new Box Culvert BC02	60	60	02-Aug-16	13-Oct-16	312
WB-1050	Pipe Laying - CHB 510 - 538 (DN600) near Realigned TWSR East (across TWSRE: CH100-270), 28m long & 5m depth	35	35	14-Oct-16	23-Nov-16	312
WB-1060	Pipe Laying - CHB 538 - 635 (DN600) near Realigned TWSR East (TWSRE: CH270-380), 97m long & GL	30	30	22-Dec-16	04-Feb-17	258
WB-1070	Pipe Laying - CHB 635 - 700 (DN600) near Realigned TWSR East (TWSRE: CH380-456), 65m long & GL	78	70	18-Jul-15 A	24-Oct-15	9
WB-1080	Pipe Laying - CHB 700 - 756 (DN600) near Realigned TWSR East (along Roundabout), 56m long & GL	66	70	17-Jun-15 A	24-Oct-15	6
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	21	21	06-Feb-17	01-Mar-17	258
WB-2010	Cleaning & Sterilization	7	7	02-Mar-17	09-Mar-17	258
WB-2020	Water Sampling	7	7	10-Mar-17	17-Mar-17	258
WB-2030	Functioning of Newly Laid Pipeline	1	1	18-Mar-17	18-Mar-17	258
DN1200 Water Mains (CHC)		880	457	20-Feb-14 A	21-Feb-17	280
WC-1000	Pipe Laying - CHC 0 - 35 (DN1200) near Realigned TWSR West (TWSRW: CH100-155), 35m long & 3m depth	80	80	08-Aug-16	11-Nov-16	344
WC-1010	Pipe Laying CHC 35 - 100 (DN1200) along existing TWSRW, 65m long & 3m depth	99	99	29-Mar-16	27-Jul-16	433
WC-1020	Jacking Pit for Twins DN1200 (CHC) at existing TWSRW	60	0	30-Jun-14 A	19-Aug-14 A	
WC-1030A	Excavation - CHC 100 - 155 (DN1200) across Fanling Highway 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 Fanling Highway & 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 Fanling Highway S/B (FHW: CH6935-7130), 45m long, 4m depth	120	76	15-Oct-14 A	31-Oct-15	155
WC-1050B	Pipe Laying - CHC 200 - 235 (DN1200) near Fanling Highway S/B (FHW: CH6935-7130), 35m long, 4m depth	60	0	20-Feb-14 A	07-May-14 A	
WC-1060	Pipe Laying - CHC 235 - 420 (DN1200) near Fanling Highway S/B (FHW: CH7130-7290), 185m long (common trench with NB)	95	95	12-Oct-15*	03-Feb-16	77
WC-1070	Pipe Laying - CHC 420 - 500 (DN1200) near Fanling Highway S/B (FHW: CH7290-7380), 80m long (common trench with NB)	150	0	07-Jun-14 A	06-Sep-14 A	
WC-1070A	Pipe Laying - CHC 500 - 550 (DN1200) near Fanling Highway S/B (FHW: CH7380-7470), 50m long (common trench with NB)	60	60	15-Nov-16	26-Jan-17	282
WC-1080	Pipe Laying - CHC 550 - 600 (DN1200) near Fanling Highway S/B (FHW: CH7380-7470), 50m long (common trench with NB)	60	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	88	09-Jun-15 A	14-Nov-15	6
WC-1090B	Pipe Laying - CHC 615 - 720 (DN1200) from Pier AA4 to Portal AB7/AD9/AC12	30	30	03-May-16	07-Jun-16	137
WC-1090C	Pipe Laying - CHC 615 - 720 (DN1200) from Portal AB7/AD9/AC12 to Portal AB8	85	85	30-Jan-16	21-May-16	151
WC-1090D	Pipe Laying - CHC 720 - 775 (DN1200) from Portal AB8 to new Box Culvert BC02	58	58	02-Aug-16	11-Oct-16	34
WC-1110	Pipe Laying - CHC 775 - 810 (DN1200) near Realigned TWSR East (across TWSRE: CH100-270), 35m long & 7m depth	35	35	29-Aug-16	11-Oct-16	34
WC-1120	Pipe Laying - CHC 810 - 910 (DN1200) near Realigned TWSR East (TWSRE: CH270-380), 100m long & GL	30	30	22-Dec-16	04-Feb-17	280
WC-1130	Pipe Laying - CHC 910 - 980 (DN1200) near Realigned TWSR East (TWSRE: CH380-456), 70m long & GL	78	65	07-Jul-15 A	17-Oct-15	14
WC-1140	Pipe Laying - CHC 980 - 1030 (DN1200) near Realigned TWSR East (along Roundabout), 50m long & GL	66	53	17-Jun-15 A	03-Oct-15	23
WC-1150	Pipe Laying - CHC 1030 - 1123 (DN1200) near Realigned TWSR East (along Access Road A), 93m long & GL	40	0	03-Mar-15 A	15-Jun-15 A	
WC-2000	Pressure Test for CHC	14	14	06-Feb-17	21-Feb-17	280



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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 3B)

Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

Date	Revision	Checked	Approved
29-Jan-14	IWP04	Sam	Victor
08-Jan-15	UMP01	Sam	Victor
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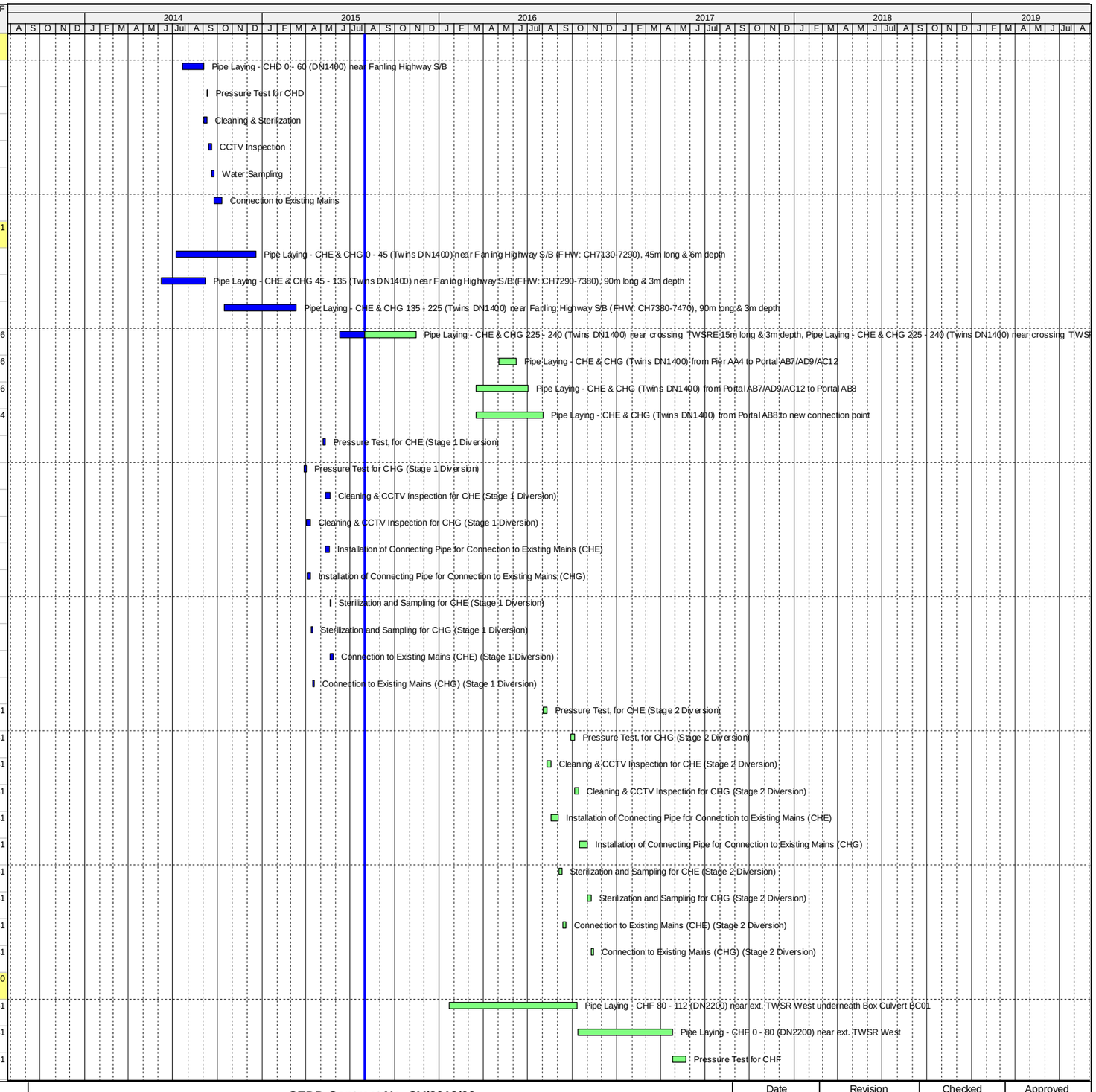
01-Aug-15	UMP03	Sam	Victor
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
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)		698	381	07-Jun-14 A	14-Nov-16	41
WE-1000	Pipe Laying - CHE & CHG 0 - 45 (Twins DN1400) near Fanling Highway S/B (FHW: CH7130-7290), 45m long & 6m depth	85	0	09-Jul-14 A	19-Dec-14 A	
WE-1010	Pipe Laying - CHE & CHG 45 - 135 (Twins DN1400) near Fanling Highway S/B (FHW: CH7290-7380), 90m long & 3m depth	90	0	07-Jun-14 A	06-Sep-14 A	
WE-1020	Pipe Laying - CHE & CHG 135 - 225 (Twins DN1400) near Fanling Highway S/B (FHW: CH7380-7470), 90m long & 3m depth	155	0	15-Oct-14 A	12-Mar-15 A	
WE-1030	Pipe Laying - CHE & CHG 225 - 240 (Twins DN1400) near crossing TWSRE 15m long & 3m depth	30	88	09-Jun-15 A	14-Nov-15	6
WE-1040	Pipe Laying - CHE & CHG (Twins DN1400) from Pier AA4 to Portal AB7/AD9/AC12	30	30	03-May-16	07-Jun-16	86
WE-1050	Pipe Laying - CHE & CHG (Twins DN1400) from Portal AB7/AD9/AC12 to Portal AB8	85	85	17-Mar-16	02-Jul-16	66
WE-1060	Pipe Laying - CHE & CHG (Twins DN1400) from Portal AB8 to new connection point	110	110	17-Mar-16	01-Aug-16	34
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	
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	Pressure Test, for CHE (Stage 2 Diversion)	7	7	02-Aug-16	09-Aug-16	41
WE-3010B	Pressure Test, for CHG (Stage 2 Diversion)	7	7	27-Sep-16	05-Oct-16	41
WE-3020A	Cleaning & CCTV Inspection for CHE (Stage 2 Diversion)	7	7	10-Aug-16	17-Aug-16	41
WE-3020B	Cleaning & CCTV Inspection for CHG (Stage 2 Diversion)	7	7	06-Oct-16	14-Oct-16	41
WE-3030A	Installation of Connecting Pipe for Connection to Existing Mains (CHE)	14	14	18-Aug-16	02-Sep-16	41
WE-3030B	Installation of Connecting Pipe for Connection to Existing Mains (CHG)	14	14	15-Oct-16	31-Oct-16	41
WE-3040A	Sterilization and Sampling for CHE (Stage 2 Diversion)	7	7	03-Sep-16	10-Sep-16	41
WE-3040B	Sterilization and Sampling for CHG (Stage 2 Diversion)	7	7	01-Nov-16	08-Nov-16	41
WE-3050A	Connection to Existing Mains (CHE) (Stage 2 Diversion)	5	5	12-Sep-16	17-Sep-16	41
WE-3050B	Connection to Existing Mains (CHG) (Stage 2 Diversion)	5	5	09-Nov-16	14-Nov-16	41
DN2200 Water Mains (CHF)		605	605	01-Dec-15	21-Dec-17	0
WF-1000A	Pipe Laying - CHF 80 - 112 (DN2200) near ext. TWSR West underneath Box Culvert BC01	210	210	21-Jan-16	11-Oct-16	141
WF-1000B	Pipe Laying - CHF 0 - 80 (DN2200) near ext. TWSR West	155	155	12-Oct-16	25-Apr-17	141
WF-2000	Pressure Test for CHF	21	21	26-Apr-17	22-May-17	141



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

Updated Master Works Programme (Revision 3B)
Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

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29-Jan-14	IWP04	Sam	Victor
08-Jan-15	UMP01	Sam	Victor
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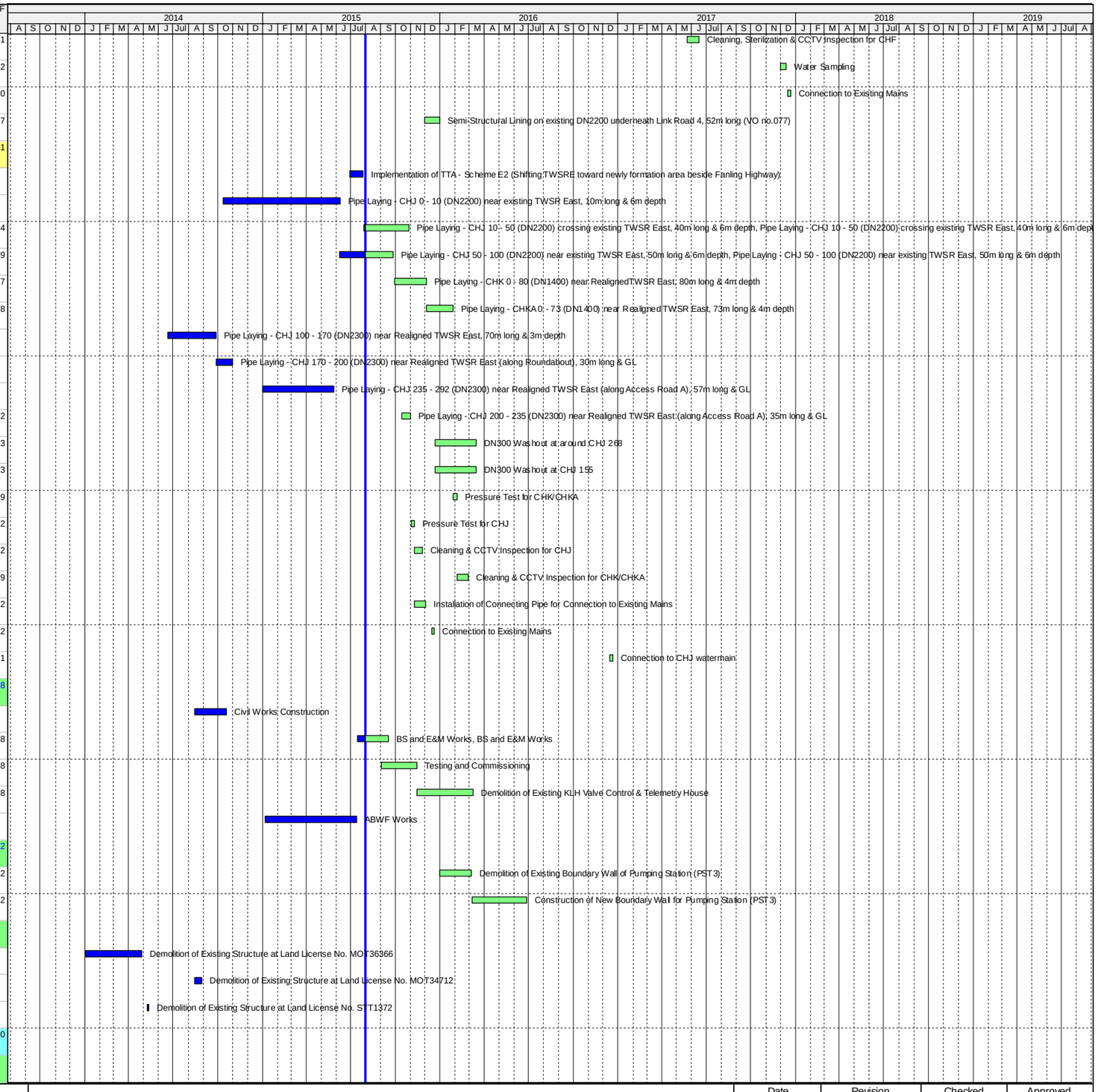
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
WF-2010	Cleaning, Sterilization & CCTV Inspection for CHF	21	21	23-May-17	16-Jun-17	141
WF-2020	Water Sampling	10	10	01-Dec-17*	12-Dec-17	2
WF-2030	Connection to Existing Mains	6	6	15-Dec-17*	21-Dec-17*	0
WF-3000	Semi-Structural Lining on existing DN2200 underneath Link Road 4, 52m long (VO no.077)	25	25	01-Dec-15*	31-Dec-15	157
DN2300 Water Mains and Leakage Collection System (CHJ & CHKA/CHK)		705	412	20-Jun-14 A	20-Dec-16	1
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	74	28-Jul-15 A	29-Oct-15	14
WJ-1010C	Pipe Laying - CHJ 50 - 100 (DN2200) near existing TWSR East, 50m long & 6m depth	75	49	08-Jun-15 A	26-Sep-15	39
WJ-1020A	Pipe Laying - CHK 0 - 80 (DN1400) near RealignedTWSR East, 80m long & 4m depth	55	55	29-Sep-15	03-Dec-15	237
WJ-1020B	Pipe Laying - CHKA 0 - 73 (DN1400) near Realigned TWSR East, 73m long & 4m depth	55	55	04-Dec-15	27-Jan-16	298
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	14	15-Oct-15	31-Oct-15	12
WJ-1100	DN300 Washout at around CHJ 268	65	65	21-Dec-15	15-Mar-16*	213
WJ-1110	DN300 Washout at CHJ 155	65	65	21-Dec-15	15-Mar-16*	213
WJ-2000A	Pressure Test for CHK/CHKA	7	7	28-Jan-16	04-Feb-16	239
WJ-2000B	Pressure Test for CHJ	7	7	02-Nov-15	09-Nov-15	12
WJ-2010A	Cleaning & CCTV Inspection for CHJ	14	14	10-Nov-15	25-Nov-15	12
WJ-2010B	Cleaning & CCTV Inspection for CHK/CHKA	14	14	05-Feb-16	27-Feb-16	239
WJ-2020	Installation of Connecting Pipe for Connection to Existing Mains	20	20	10-Nov-15	02-Dec-15	12
WJ-2040	Connection to Existing Mains	5	5	15-Dec-15*	19-Dec-15*	2
WJ-2050	Connection to CHJ watermain	5	5	15-Dec-16*	20-Dec-16*	1
Kau Lung Hang Valve Control & Telemetry House Reprovision		453	177	15-Aug-14 A	08-Mar-16	228
VCTH-1000	Civil Works Construction	75	0	15-Aug-14 A	18-Oct-14 A	
VCTH-1010	BS and E&M Works	30	41	15-Jul-15 A	17-Sep-15	28
VCTH-1020	Testing and Commissioning	60	60	02-Sep-15	13-Nov-15	28
VCTH-1030	Demolition of Existing KLH Valve Control & Telemetry House	90	90	14-Nov-15	08-Mar-16	228
VCTH-1040	ABWF Works	70	0	06-Jan-15 A	14-Jul-15 A	
Existing Nam Wa Po Trunk Sewage Pumping Station (PST3)		140	140	31-Dec-15	27-Jun-16	472
PS-1000	Demolition of Existing Boundary Wall of Pumping Station (PST3)	50	50	31-Dec-15*	05-Mar-16	472
PS-1010	Construction of New Boundary Wall for Pumping Station (PST3)	90	90	07-Mar-16	27-Jun-16	472
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)		1257	737	15-Oct-13 A	30-Jan-18	0
Preliminary Works		81	0	16-Oct-13 A	08-May-15 A	



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Updated Master Works Programme (Revision 3B)
Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

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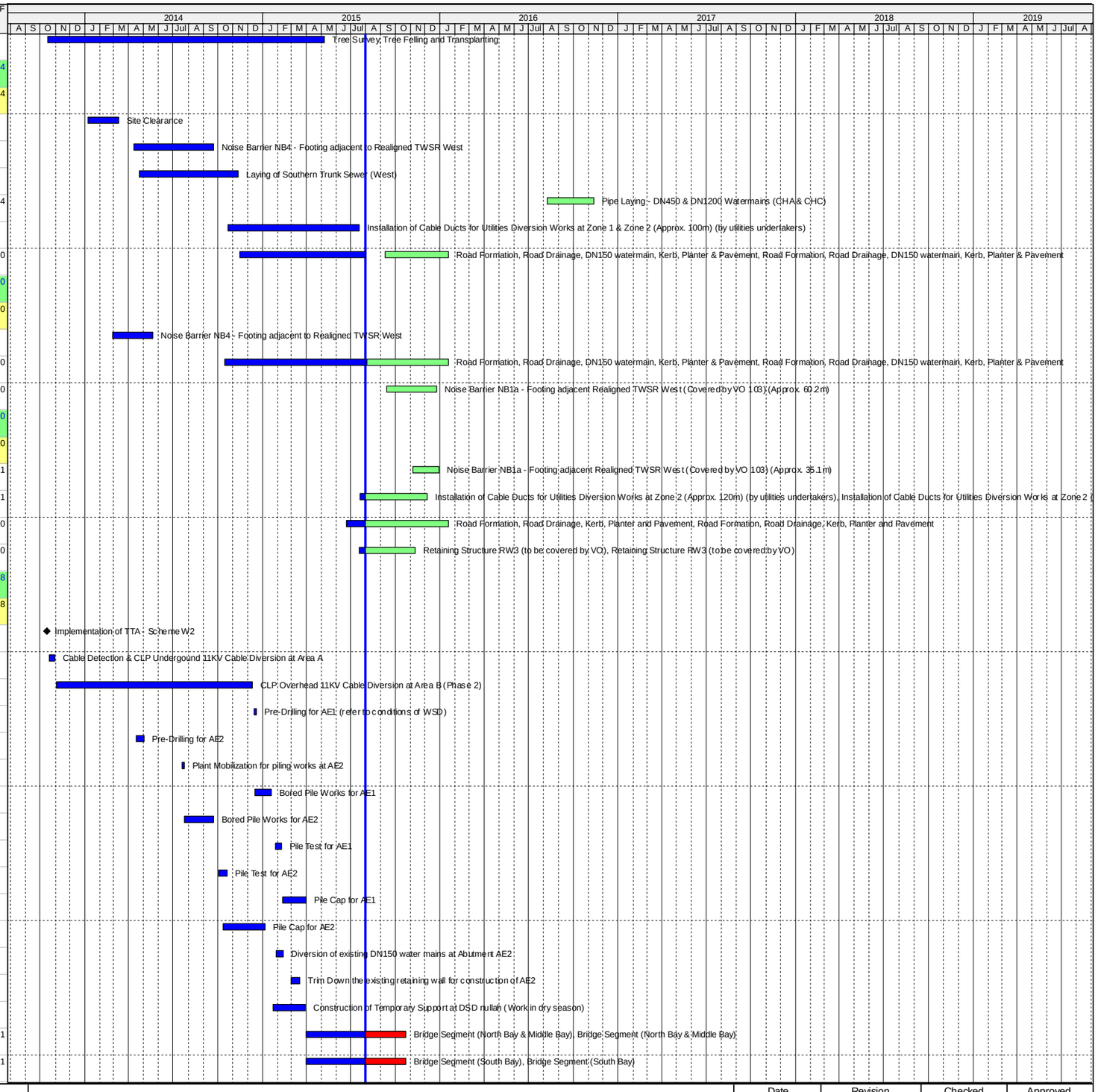
29-Jan-14	IWP04	Sam	Victor
08-Jan-15	UMP01	Sam	Victor
24-Apr-15	UMP02	Sam	Victor
01-Aug-15	UMP03	Sam	Victor
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
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		774	345	07-Jan-14 A	11-Nov-16	344
At-Grade Roadworks		774	345	07-Jan-14 A	11-Nov-16	344
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*	Pipe Laying - DN450 & DN1200 Watermains (CHA & CHC)	80	80	08-Aug-16	11-Nov-16	344
TWSRW-1150	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-1160	Road Formation, Road Drainage, DN150 watermain, Kerb, Planter & Pavement	286	106	15-Nov-14 A	18-Jan-16	0
TWSRW Zone 2 betweeen CH155 and CH280		573	139	26-Feb-14 A	18-Jan-16	0
At-Grade Roadworks		573	139	26-Feb-14 A	18-Jan-16	0
TWSRW-2110	Noise Barrier NB4 - Footing adjacent to Realigned TWSR West	85	0	26-Feb-14 A	20-May-14 A	
TWSRW-2120	Road Formation, Road Drainage, DN150 watermain, Kerb, Planter & Pavement	165	139	16-Oct-14 A	18-Jan-16	0
TWSRW-2130	Noise Barrier NB1a - Footing adjacent Realigned TWSR West (Covered by VO 103) (Approx. 60.2m)	85	85	14-Sep-15	24-Dec-15	0
TWSRW Zone 3 betweeen CH280 and CH315		181	140	22-Jun-15 A	18-Jan-16	0
At-Grade Roadworks		181	140	22-Jun-15 A	18-Jan-16	0
TWSRW-3100	Noise Barrier NB1a - Footing adjacent Realigned TWSR West (Covered by VO 103) (Approx. 35.1m)	45	45	06-Nov-15	30-Dec-15	1
TWSRW-3110	Installation of Cable Ducts for Utilities Diversion Works at Zone 2 (Approx. 120m) (by utilities undertakers)	111	127	21-Jul-15 A	05-Dec-15	1
TWSRW-3120	Road Formation, Road Drainage, Kerb, Planter and Pavement	181	140	22-Jun-15 A	18-Jan-16	0
TWSRW-3130	Retaining Structure RW3 (to be covered by VO)	85	84	18-Jul-15 A	10-Nov-15	0
TWSRW Zone 4 betweeen CH315 and CH376		706	186	15-Oct-13 A	18-Mar-16	8
Construction of Bridge E		706	186	15-Oct-13 A	18-Mar-16	8
TWSRW-4000	Implementation of TTA - Scheme W2	0	0	15-Oct-13 A		
TWSRW-4000A	Cable Detection & CLP Undergound 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	68	01-Apr-15 A	22-Oct-15	-1
TWSRW-4080	Bridge Segment (South Bay)	80	68	01-Apr-15 A	22-Oct-15	-1



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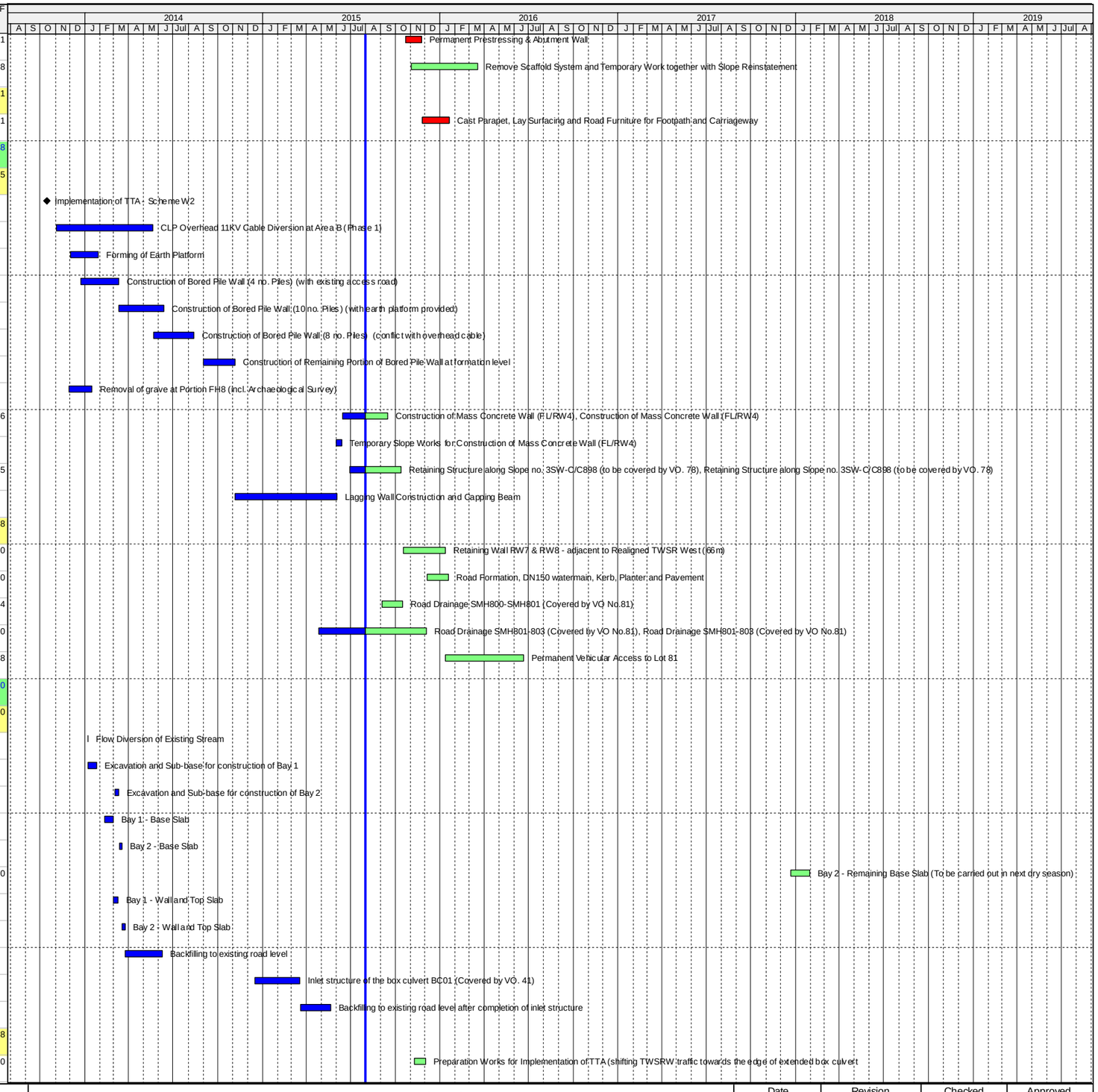
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision 3B)

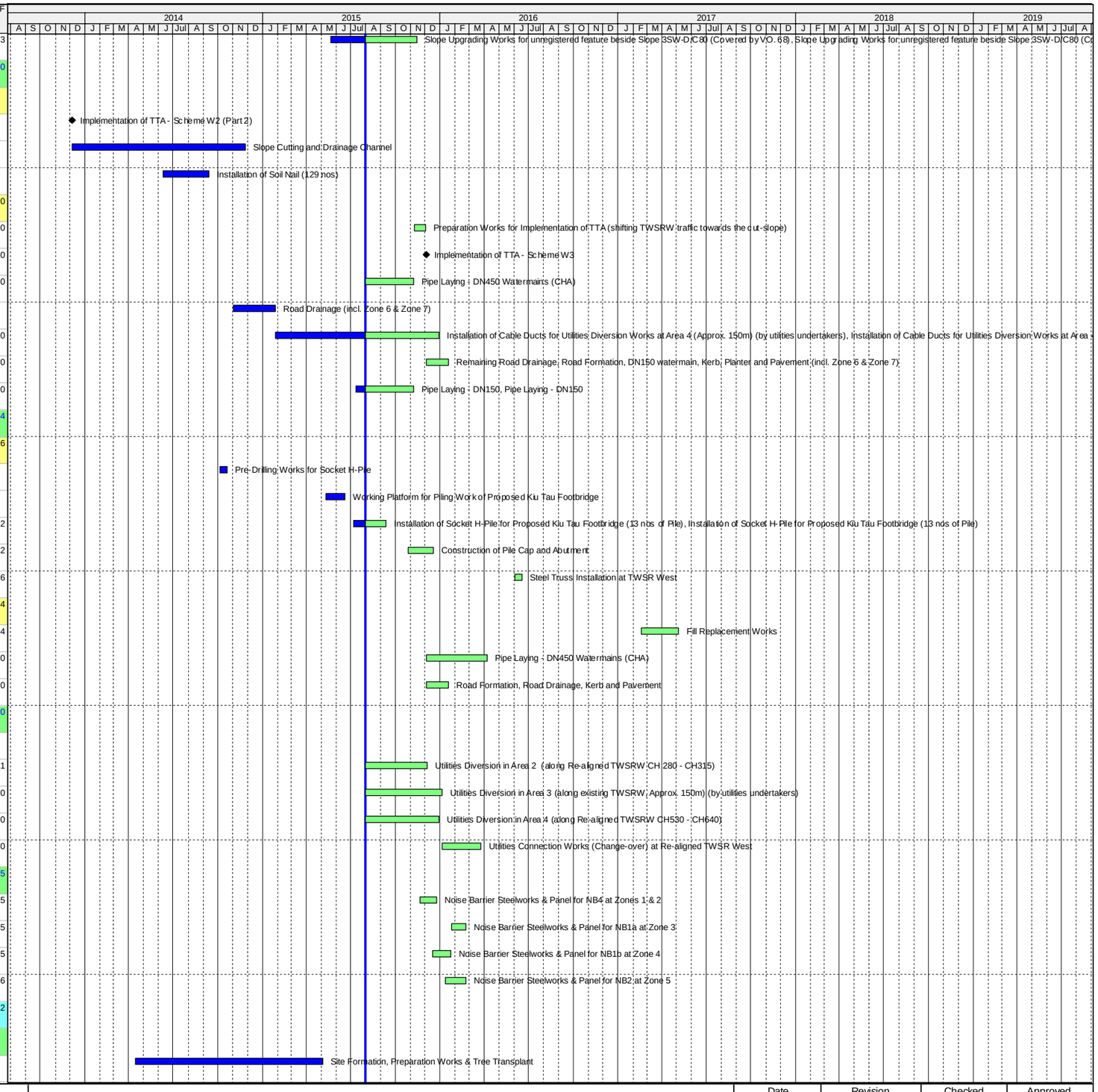
Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

Date	Revision	Checked	Approved
29-Jan-14	IWP04	Sam	Victor
08-Jan-15	UMP01	Sam	Victor
24-Apr-15	UMP02	Sam	Victor
01-Aug-15	UMP03	Sam	Victor
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
TWSRW-4090	Permanent Prestressing & Abutment Wall	28	28	23-Oct-15	24-Nov-15	-1
TWSRW-4100	Remove Scaffold System and Temporary Work together with Slope Reinstatement	110	110	02-Nov-15*	18-Mar-16*	8
At-Grade Roadworks		45	45	25-Nov-15	19-Jan-16	-1
TWSRW-4200	Cast Parapet, Lay Surfacing and Road Furniture for Footpath and Carriageway	45	45	25-Nov-15	19-Jan-16	-1
TWSRW Zone 5 betweeen CH376 and CH520		779	259	15-Oct-13 A	20-Jun-16	478
Construction of Retaining Structures		608	60	15-Oct-13 A	12-Oct-15	45
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 Mass Concrete Wall (FL/RW4)	70	39	15-Jun-15 A	15-Sep-15	66
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	60	29-Jun-15 A	12-Oct-15	45
TWSRW-5090	Lagging Wall Construction and Capping Beam	160	0	06-Nov-14 A	03-Jun-15 A	
At-Grade Roadworks		259	259	27-Apr-15 A	20-Jun-16	478
TWSRW-5100	Retaining Wall RW7 & RW8 - adjacent to Realigned TWSR West (66m)	70	70	17-Oct-15	11-Jan-16	0
TWSRW-5110A	Road Formation, DN150 watermain, Kerb, Planter and Pavement	35	35	05-Dec-15	18-Jan-16	0
TWSRW-5110B	Road Drainage SMH800-SMH801 (Covered by VO No.81)	36	36	03-Sep-15	16-Oct-15	14
TWSRW-5110C	Road Drainage SMH801-803 (Covered by VO No.81)	80	105	27-Apr-15 A	04-Dec-15	0
TWSRW-5120	Permanent Vehicular Access to Lot 81	125	125	12-Jan-16	20-Jun-16	478
TWSRW Zone 6 betweeen CH520 and CH530		1136	737	07-Jan-14 A	30-Jan-18	0
Box Culvert Extension - BC01		1136	31	07-Jan-14 A	30-Jan-18	0
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 (To be carried out in next dry season)	31	31	22-Dec-17*	30-Jan-18*	0
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		137	103	22-May-15 A	02-Dec-15	8
TWSRW-6100	Preparation Works for Implementation of TTA (shifting TWSRW traffic towards the edge of extended box culvert	21	21	09-Nov-15	02-Dec-15	0



Activity ID	Activity Name	OD	RD	Start	Finish	TF
TWSRW-6110	Slope Upgrading Works for unregistered feature beside Slope 3SW-D/C80 (Covered by VO. 68)	65	88	22-May-15 A	14-Nov-15	23
TWSRW Zone 7 betweeen CH530 and CH640		563	140	06-Dec-13 A	18-Jan-16	0
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		266	140	03-Nov-14 A	18-Jan-16	0
TWSRW-7100	Preparation Works for Implementation of TTA (shifting TWSRW traffic towards the cut-slope)	21	21	09-Nov-15	02-Dec-15	0
TWSRW-7110	Implementation of TTA - Scheme W3	0	0	03-Dec-15		0
TWSRW-7120*	Pipe Laying - DN450 Watermains (CHA)	70	82	29-May-15 A	07-Nov-15	0
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	152	28-Jan-15 A	30-Dec-15	0
TWSRW-7150	Remaining Road Drainage, Road Formation, DN150 watermain, Kerb, Planter and Pavement (incl. Zone 6 & Zone 7)	37	37	03-Dec-15	18-Jan-16	0
TWSRW-7160	Pipe Laying - DN150	25	82	13-Jul-15 A	07-Nov-15	0
TWSRW Zone 8 betweeen CH640 and CH695		573	513	06-Oct-14 A	04-May-17	224
Kiu Tau Footbridge Reprovision (West)		317	257	06-Oct-14 A	17-Jun-16	6
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	36	07-Jul-15 A	11-Sep-15	32
TWSRW-8020	Construction of Pile Cap and Abutment	46	46	27-Oct-15	18-Dec-15	32
TWSRW-8030	Steel Truss Installation at TWSR West	12	12	03-Jun-16	17-Jun-16	6
At-Grade Roadworks		410	410	03-Dec-15	04-May-17	224
TWSRW-8100	Fill Replacement Works	60	60	17-Feb-17	04-May-17	224
TWSRW-8110*	Pipe Laying - DN450 Watermains (CHA)	95	95	03-Dec-15	06-Apr-16	260
TWSRW-8120	Road Formation, Road Drainage, Kerb and Pavement	37	37	03-Dec-15	18-Jan-16	0
Remainder of the Works		423	237	22-Oct-14 A	24-Mar-16	0
TWSRW-9010*	Utilities Diversion in Area 1 (along Re-aligned TWSRW CH100 - CH280)	167	0	22-Oct-14 A	18-Jul-15 A	
TWSRW-9020*	Utilities Diversion in Area 2 (along Re-aligned TWSRW CH 280 - CH315)	111	127	21-Jul-15 A	05-Dec-15	1
TWSRW-9030	Utilities Diversion in Area 3 (along existing TWSRW, Approx. 150m) (by utilities undertakers)	157	157	01-Aug-15	04-Jan-16	0
TWSRW-9040*	Utilities Diversion in Area 4 (along Re-aligned TWSRW CH530 - CH640)	233	152	28-Jan-15 A	30-Dec-15	0
TWSRW-9050	Utilities Connection Works (Change-over) at Re-aligned TWSR West	80	80	05-Jan-16*	24-Mar-16*	0
Remaining Works for Noise Barrier along realigned TWSR West		73	73	20-Nov-15	23-Feb-16	155
TWSRW-NB-110	Noise Barrier Steelworks & Panel for NB4 at Zones 1 & 2	30	30	20-Nov-15	24-Dec-15	155
TWSRW-NB-120	Noise Barrier Steelworks & Panel for NB1a at Zone 3	20	20	25-Jan-16	23-Feb-16	155
TWSRW-NB-130	Noise Barrier Steelworks & Panel for NB1b at Zone 4	30	30	17-Dec-15	23-Jan-16	155
TWSRW-NB-140	Noise Barrier Steelworks & Panel for NB2 at Zone 5	30	30	12-Jan-16	22-Feb-16	156
Stage N4A & N4B - Realignment of Tai Wo Service Road East (KD-13 & KD-14)		974	481	07-Nov-13 A	22-Mar-17	242
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	



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

CEDD Contract No. CV/2012/09
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision 3B)
Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

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08-Jan-15	UMP01	Sam	Victor
24-Apr-15	UMP02	Sam	Victor
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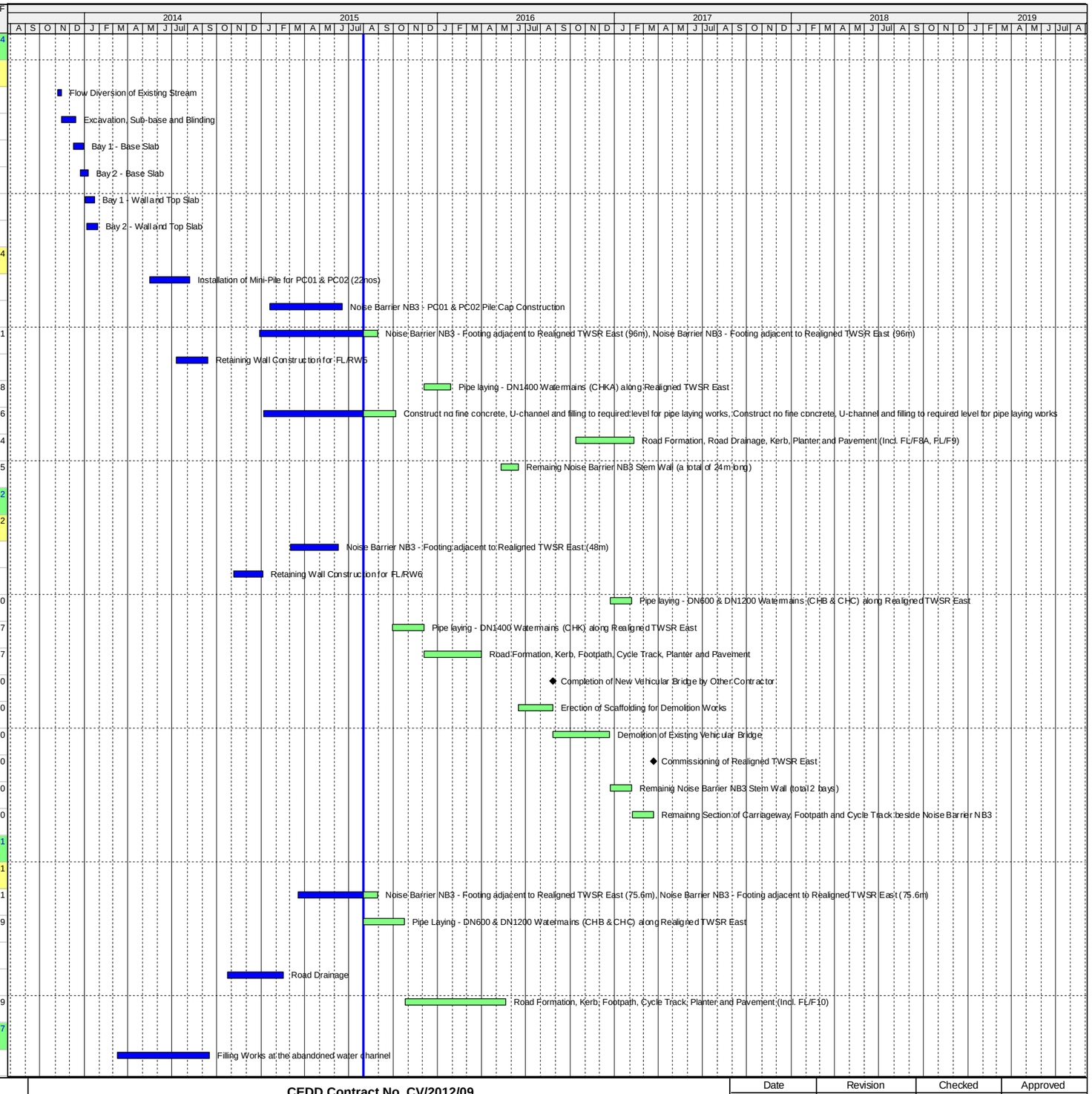
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
TWSRE Zone 1 between CH100 and CH270		940	447	07-Nov-13 A	09-Feb-17	34
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	
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		800	447	16-May-14 A	09-Feb-17	34
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	25	29-Dec-14 A	29-Aug-15	391
TWSRE-1130	Retaining Wall Construction for FL/RW5	45	0	10-Jul-14 A	13-Sep-14 A	
TWSRE-1140*	Pipe laying - DN1400 Watermains (CHKA) along Realigned TWSR East	55	55	04-Dec-15	27-Jan-16	298
TWSRE-1150	Construct no fine concrete, U-channel and filling to required level for pipe laying works	30	55	06-Jan-15 A	06-Oct-15	286
TWSRE-1160	Road Formation, Road Drainage, Kerb, Planter and Pavement (Incl. FL/F8A, FL/F9)	95	95	12-Oct-16	09-Feb-17	34
TWSRE-1170	Remainig Noise Barrier NB3 Stem Wall (a total of 24m long)	30	30	11-May-16	16-Jun-16	225
TWSRE Zone 2 between CH270 and CH380		672	432	05-Nov-14 A	22-Mar-17	242
At-Grade Roadworks		672	432	05-Nov-14 A	22-Mar-17	242
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	30	30	22-Dec-16	04-Feb-17	280
TWSRE-2030B*	Pipe laying - DN1400 Watermains (CHK) along Realigned TWSR East	55	55	29-Sep-15	03-Dec-15	237
TWSRE-2040	Road Formation, Kerb, Footpath, Cycle Track, Planter and Pavement	90	90	04-Dec-15	31-Mar-16	287
TWSRE-2050	Completion of New Vehicular Bridge by Other Contractor	0	0		25-Aug-16	0
TWSRE-2060	Erection of Scaffolding for Demolition Works	60	60	16-Jun-16	25-Aug-16	0
TWSRE-2070	Demolition of Existing Vehicular Bridge	98	98	26-Aug-16	21-Dec-16	0
TWSRE-2080	Commissioning of Realigned TWSR East	0	0	22-Mar-17		0
TWSRE-2090	Remainig Noise Barrier NB3 Stem Wall (total 2 bays)	30	30	22-Dec-16	04-Feb-17	0
TWSRE-2100	Remainng Section of Carriageway, Footpath and Cycle Track beside Noise Barrier NB3	38	38	06-Feb-17	21-Mar-17	0
TWSRE Zone 3 between CH380 and CH456		426	235	20-Jun-14 A	21-May-16	181
At-Grade Roadworks		426	235	20-Jun-14 A	21-May-16	181
TWSRE-3010	Noise Barrier NB3 - Footing adjacent to Realigned TWSR East (75.6m)	85	25	19-Mar-15 A	29-Aug-15	391
TWSRE-3020A*	Pipe Laying - DN600 & DN1200 Watermains (CHB & CHC) along Realigned TWSR East	78	70	07-Jul-15 A	24-Oct-15	9
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, Footpath, Cycle Track, Planter and Pavement (Incl. FL/F10)	165	165	26-Oct-15	21-May-16	9
Roundabout A, Slip Road and Access Road		637	244	10-Mar-14 A	01-Jun-16	117
TWSRE-4010	Filling Works at the abandoned water channel	115	0	10-Mar-14 A	17-Sep-14 A	



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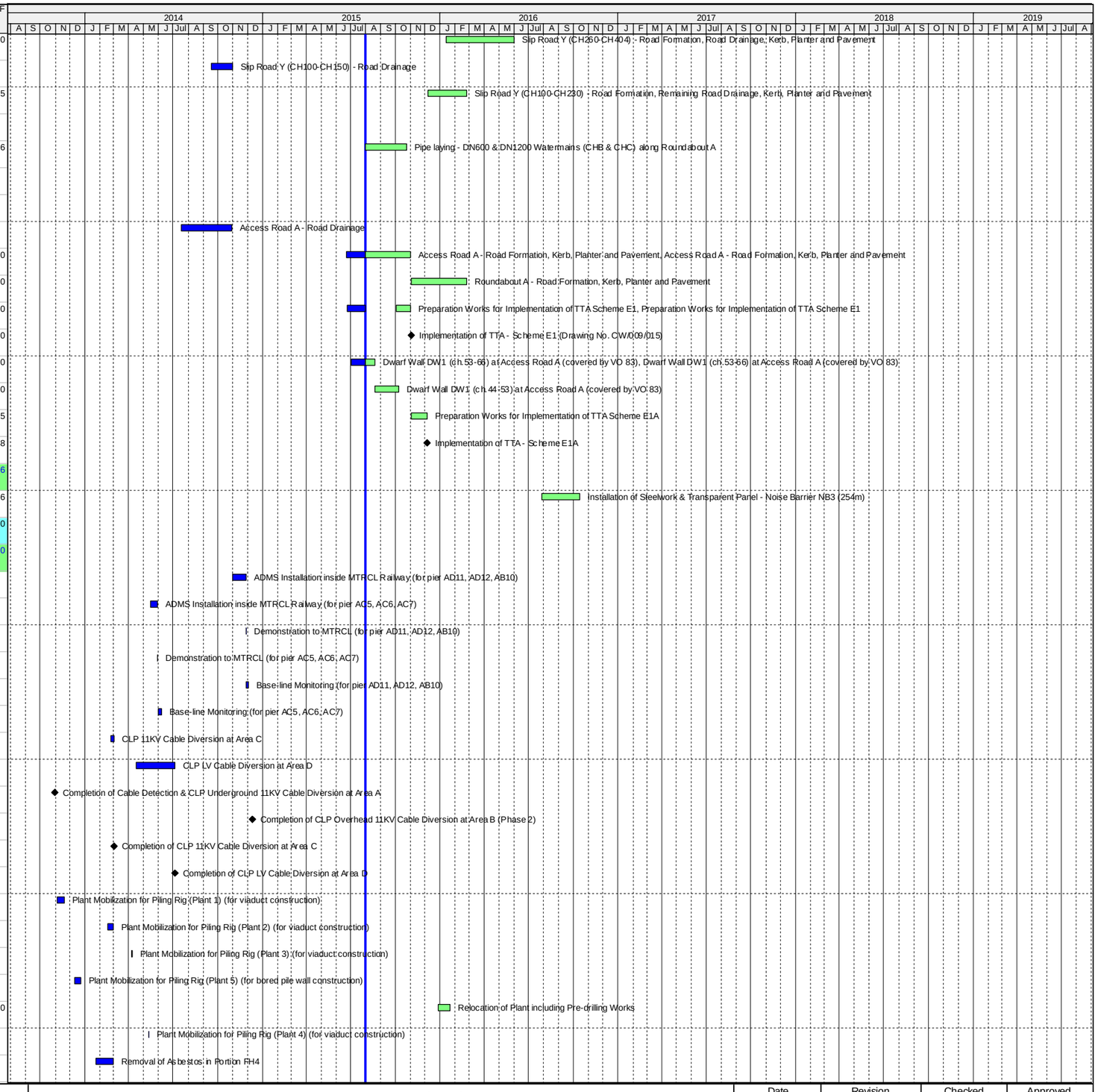
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
TWSRE-4020	Slip Road Y (CH260-CH404) - Road Formation, Road Drainage, Kerb, Planter and Pavement	108	108	14-Jan-16	01-Jun-16	0
TWSRE-4030A	Slip Road Y (CH100-CH150) - Road Drainage	35	0	18-Sep-14 A	31-Oct-14 A	
TWSRE-4030B	Slip Road Y (CH100-CH230) - Road Formation, Remaining Road Drainage, Kerb, Planter and Pavement	60	60	07-Dec-15	24-Feb-16	195
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	70	17-Jun-15 A	24-Oct-15	6
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	76	22-Jun-15 A	31-Oct-15	0
TWSRE-4070	Roundabout A - Road Formation, Kerb, Planter and Pavement	90	90	02-Nov-15	24-Feb-16	0
TWSRE-4080	Preparation Works for Implementation of TTA Scheme E1	42	24	24-Jun-15 A	31-Oct-15	0
TWSRE-4090	Implementation of TTA - Scheme E1 (Drawing No. CW/009/015)	0	0	02-Nov-15		0
TWSRE-4100A	Dwarf Wall DW1 (ch.53-66) at Access Road A (covered by VO 83)	40	16	02-Jul-15 A	19-Aug-15	0
TWSRE-4100B	Dwarf Wall DW1 (ch.44-53) at Access Road A (covered by VO 83)	40	40	20-Aug-15	07-Oct-15	0
TWSRE-4110	Preparation Works for Implementation of TTA Scheme E1A	30	30	02-Nov-15	05-Dec-15	195
TWSRE-4120	Implementation of TTA - Scheme E1A	0	0	06-Dec-15*		248
Remaining Works for Noise Barrier along realigned TWSR East		65	65	28-Jul-16	14-Oct-16	126
TWSRE-NB-120	Installation of Steelwork & Transparent Panel - Noise Barrier NB3 (254m)	65	65	28-Jul-16	14-Oct-16	126
Stage 1C - Viaduct Structure & TCSS Civil Provisions (KD-9)		1248	737	31-Oct-13 A	30-Jan-18	0
Preliminaries		654	21	31-Oct-13 A	21-Jan-16	90
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	21	21	28-Dec-15	21-Jan-16	90
B-3060	Plant Mobilization for Piling Rig (Plant 4) (for viaduct construction)	7	0	12-May-14 A	13-May-14 A	
B-4000	Removal of Asbestos in Portion FH4	30	0	24-Jan-14 A	28-Feb-14 A	



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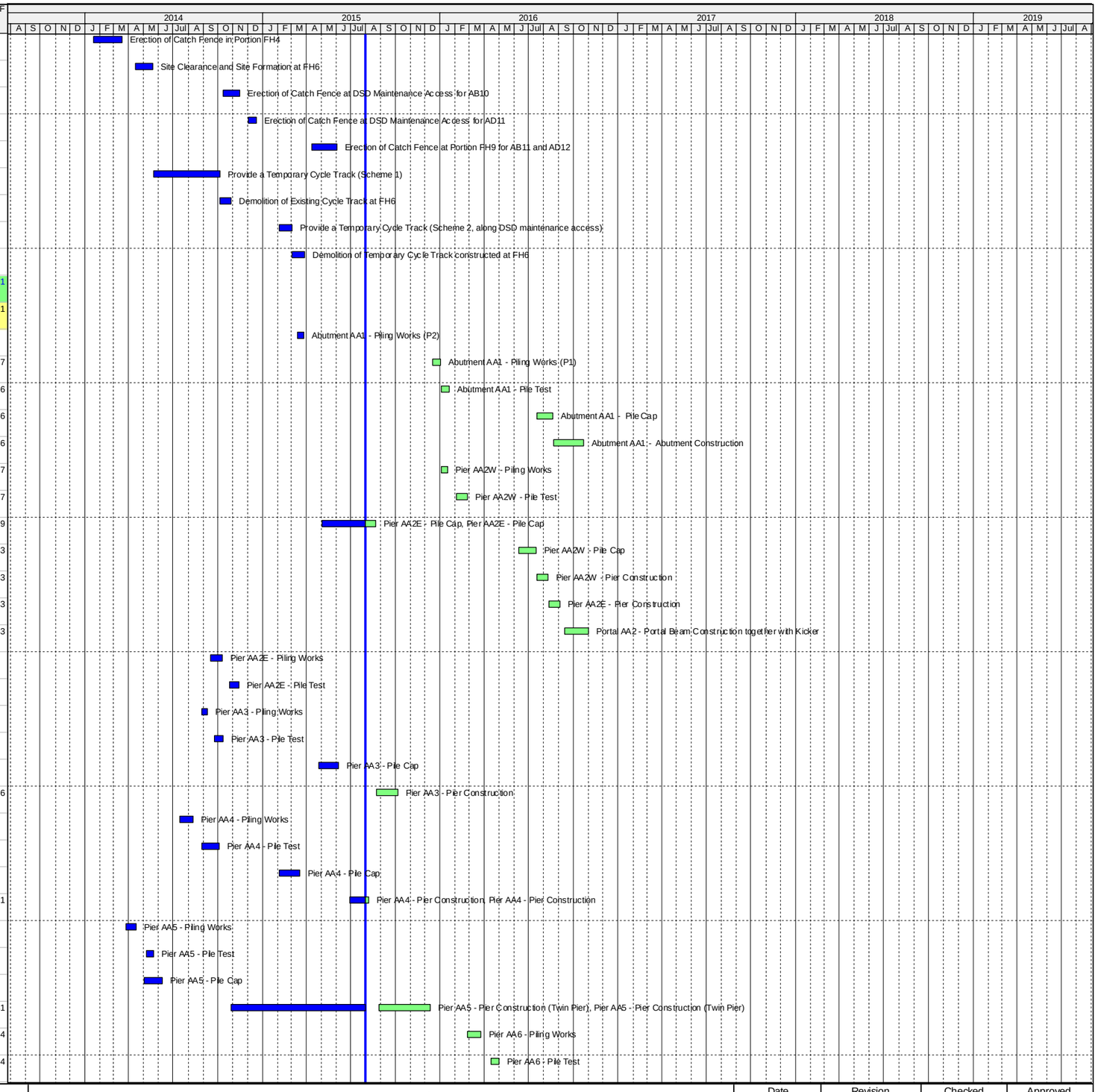
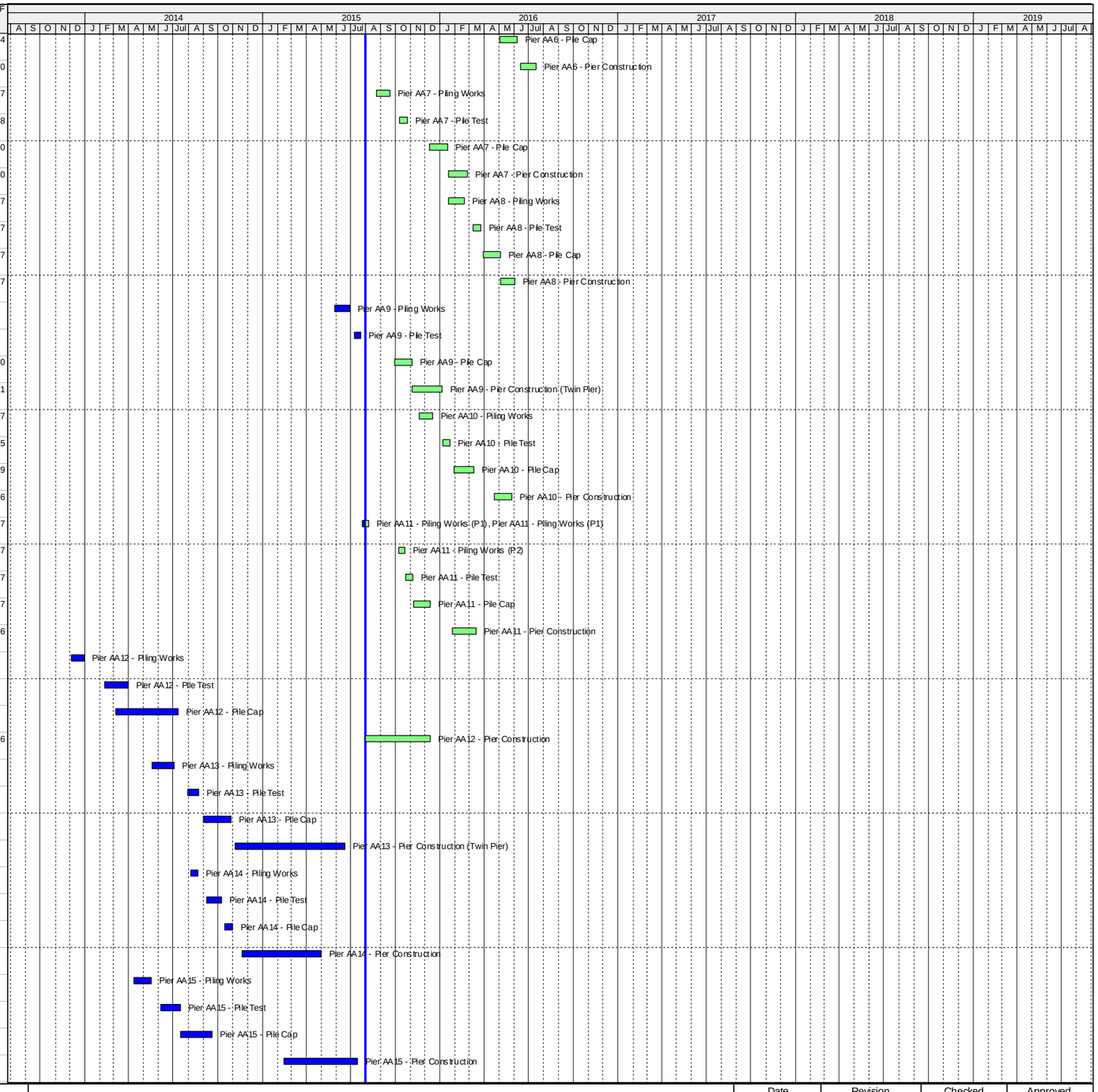
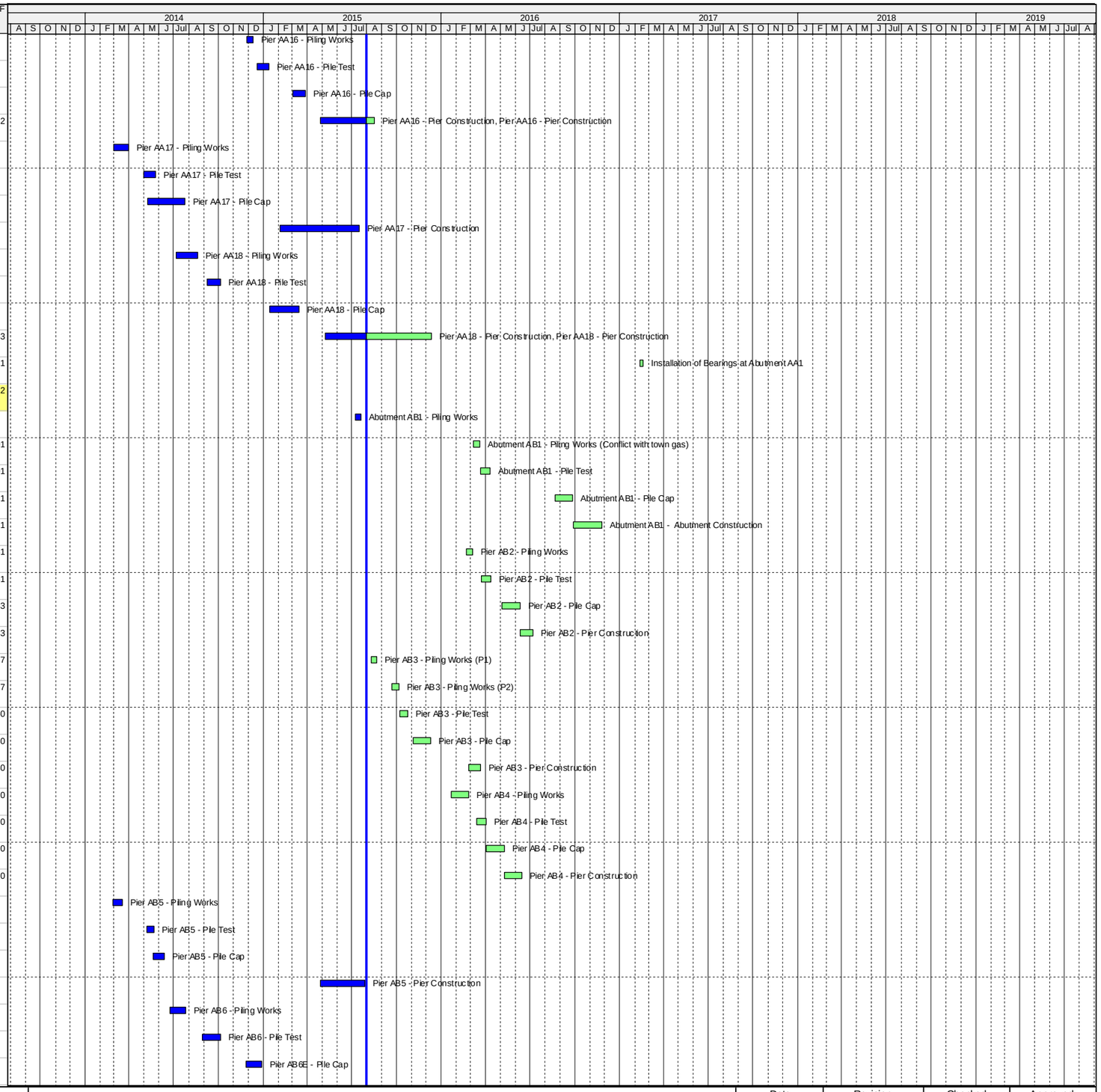
B-4010	Erection of Catch Fence in Portion FH4	50	0	18-Jan-14 A	19-Mar-14 A	
B-4020	Site Clearance and Site Formation at FH6	35	0	15-Apr-14 A	21-May-14 A	
B-4030	Erection of Catch Fence at DSD Maintenance Access for AB10	25	0	13-Oct-14 A	15-Nov-14 A	
B-4040	Erection of Catch Fence at DSD Maintenance Access 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	
Foundation & Pier Construction		961	454	20-Nov-13 A	17-Feb-17	71
Bridge A		877	454	04-Dec-13 A	17-Feb-17	71
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)	12	12	17-Dec-15	02-Jan-16	7
BA-01-1010	Abutment AA1 - Pile Test	14	14	04-Jan-16	19-Jan-16	226
BA-01-1020	Abutment AA1 - Pile Cap	30	30	18-Jul-16	20-Aug-16	86
BA-01-1030	Abutment AA1 - Abutment Construction	50	50	22-Aug-16	21-Oct-16	86
BA-02-1000	Pier AA2W - Piling Works	12	12	04-Jan-16	16-Jan-16	7
BA-02-1010	Pier AA2W - Pile Test	14	14	03-Feb-16	25-Feb-16	127
BA-02-1020A	Pier AA2E - Pile Cap	30	19	04-May-15 A	22-Aug-15	29
BA-02-1020B	Pier AA2W - Pile Cap	30	30	11-Jun-16	16-Jul-16	43
BA-02-1030	Pier AA2W - Pier Construction	21	21	18-Jul-16	10-Aug-16	43
BA-02-1040	Pier AA2E - Pier Construction	21	21	11-Aug-16	03-Sep-16	43
BA-02-1050	Portal AA2 - Portal Beam Construction together with Kicker	40	40	13-Sep-16	01-Nov-16	43
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	35	24-Aug-15	05-Oct-15	76
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	6	29-Jun-15 A	07-Aug-15	171
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	
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	89	29-Oct-14 A	12-Dec-15	41
BA-06-1000	Pier AA6 - Piling Works	24	24	26-Feb-16	24-Mar-16	94
BA-06-1010	Pier AA6 - Pile Test	14	14	15-Apr-16	30-Apr-16	94



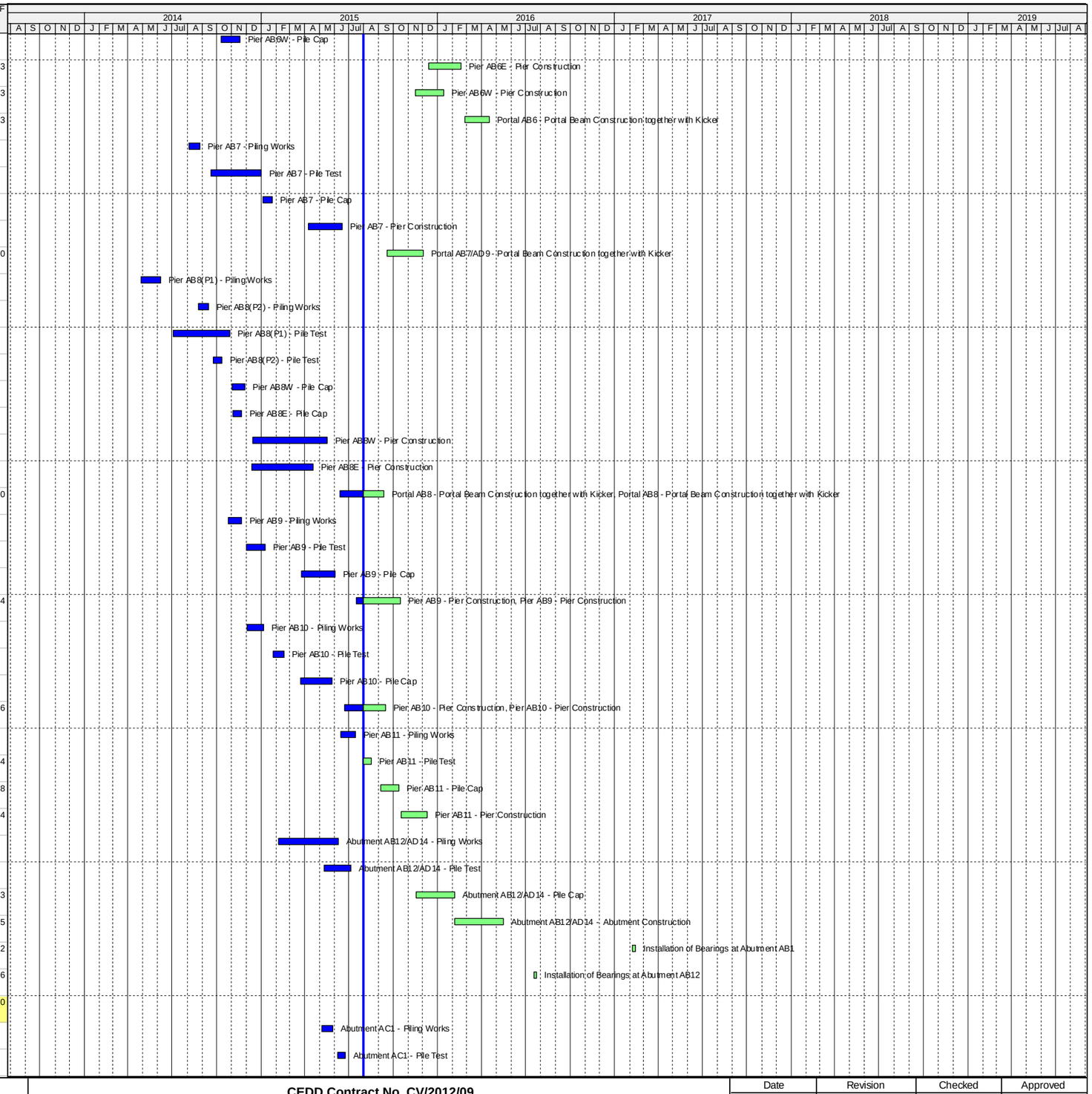
Activity ID	Activity Name	OD	RD	Start	Finish	TF
BA-06-1020	Pier AA6 - Pile Cap	30	30	03-May-16	07-Jun-16	94
BA-06-1030	Pier AA6 - Pier Construction	28	28	14-Jun-16	16-Jul-16	90
BA-07-1000	Pier AA7 - Piling Works	24	24	24-Aug-15	19-Sep-15	7
BA-07-1010	Pier AA7 - Pile Test	14	14	09-Oct-15	26-Oct-15	78
BA-07-1020	Pier AA7 - Pile Cap	30	30	10-Dec-15	16-Jan-16	40
BA-07-1030	Pier AA7 - Pier Construction	28	28	18-Jan-16	25-Feb-16	40
BA-08-1000	Pier AA8 - Piling Works	24	24	18-Jan-16	20-Feb-16	7
BA-08-1010	Pier AA8 - Pile Test	14	14	09-Mar-16	24-Mar-16	7
BA-08-1020	Pier AA8 - Pile Cap	30	30	29-Mar-16	04-May-16	7
BA-08-1030	Pier AA8 - Pier Construction	25	25	05-May-16	03-Jun-16	7
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	30	29-Sep-15	04-Nov-15	40
BA-09-1030	Pier AA9 - Pier Construction (Twin Pier)	49	49	05-Nov-15	04-Jan-16	51
BA-10-1000	Pier AA10 - Piling Works	24	24	19-Nov-15	16-Dec-15	7
BA-10-1010	Pier AA10 - Pile Test	14	14	06-Jan-16	21-Jan-16	25
BA-10-1020	Pier AA10 - Pile Cap	30	30	29-Jan-16	10-Mar-16	19
BA-10-1030	Pier AA10 - Pier Construction	30	30	21-Apr-16	27-May-16	6
BA-11-1000A	Pier AA11 - Piling Works (P1)	12	5	25-Jul-15 A	06-Aug-15	7
BA-11-1000B	Pier AA11 - Piling Works (P2)	12	12	07-Oct-15	20-Oct-15	7
BA-11-1010	Pier AA11 - Pile Test	14	14	22-Oct-15	06-Nov-15	27
BA-11-1020	Pier AA11 - Pile Cap	30	30	07-Nov-15	11-Dec-15	27
BA-11-1030	Pier AA11 - Pier Construction	35	35	27-Jan-16	14-Mar-16	6
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	112	112	01-Aug-15	12-Dec-15	6
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	
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	



Activity ID	Activity Name	OD	RD	Start	Finish	TF
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	14	29-Apr-15 A	17-Aug-15	32
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	112	08-May-15 A	12-Dec-15	33
EA-1010A	Installation of Bearings at Abutment AA1	6	6	11-Feb-17	17-Feb-17	71
Bridge B		873	450	26-Feb-14 A	13-Feb-17	72
BB-01-1000A	Abutment AB1 - Piling Works	18	0	09-Jul-15 A	20-Jul-15 A	
BB-01-1000B	Abutment AB1 - Piling Works (Conflict with town gas)	12	12	07-Mar-16	19-Mar-16	201
BB-01-1010	Abutment AB1 - Pile Test	14	14	21-Mar-16	09-Apr-16	201
BB-01-1020	Abutment AB1 - Pile Cap	30	30	22-Aug-16	26-Sep-16	91
BB-01-1030	Abutment AB1 - Abutment Construction	50	50	27-Sep-16	25-Nov-16	91
BB-02-1000	Pier AB2 - Piling Works	12	12	22-Feb-16	05-Mar-16	61
BB-02-1010	Pier AB2 - Pile Test	14	14	23-Mar-16	12-Apr-16	61
BB-02-1020	Pier AB2 - Pile Cap	30	30	05-May-16	10-Jun-16	43
BB-02-1030	Pier AB2 - Pier Construction	21	21	11-Jun-16	06-Jul-16	133
BB-03-1000A	Pier AB3 - Piling Works (P1)	12	12	10-Aug-15	22-Aug-15	7
BB-03-1000B	Pier AB3 - Piling Works (P2)	12	12	21-Sep-15	06-Oct-15	7
BB-03-1010	Pier AB3 - Pile Test	14	14	07-Oct-15	23-Oct-15	50
BB-03-1020	Pier AB3 - Pile Cap	30	30	05-Nov-15	09-Dec-15	40
BB-03-1030	Pier AB3 - Pier Construction	21	21	26-Feb-16	21-Mar-16	40
BB-04-1000	Pier AB4 - Piling Works	24	24	22-Jan-16	25-Feb-16	90
BB-04-1010	Pier AB4 - Pile Test	14	14	14-Mar-16	01-Apr-16	90
BB-04-1020	Pier AB4 - Pile Cap	30	30	02-Apr-16	09-May-16	90
BB-04-1030	Pier AB4 - Pier Construction	28	28	10-May-16	13-Jun-16	90
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	
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	



Activity ID	Activity Name	OD	RD	Start	Finish	TF
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	48	14-Dec-15	17-Feb-16	3
BB-06-1040	Pier AB6W - Pier Construction	48	48	16-Nov-15*	13-Jan-16	3
BB-06-1050	Portal AB6 - Portal Beam Construction together with Kicker	40	40	26-Feb-16	16-Apr-16	3
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	60	60	19-Sep-15*	01-Dec-15	0
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	40	36	13-Jun-15 A	11-Sep-15	0
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	64	17-Jul-15 A	16-Oct-15	14
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	38	22-Jun-15 A	14-Sep-15	6
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	14	01-Aug-15	17-Aug-15	34
BB-11-1020	Pier AB11 - Pile Cap	30	30	05-Sep-15	12-Oct-15	18
BB-11-1030	Pier AB11 - Pier Construction	45	45	17-Oct-15	09-Dec-15	14
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-12-1020	Abutment AB12/AD14 - Pile Cap	65	65	18-Nov-15	04-Feb-16	33
BB-12-1030	Abutment AB12/AD14 - Abutment Construction	75	75	05-Feb-16	16-May-16	165
EB-1010A	Installation of Bearings at Abutment AB1	6	6	07-Feb-17	13-Feb-17	72
EB-1120A	Installation of Bearings at Abutment AB12	6	6	18-Jul-16	23-Jul-16	176
Bridge C		910	403	20-Nov-13 A	09-Dec-16	90
BC-01-1000	Abutment AC1 - Piling Works	36	0	06-May-15 A	29-May-15 A	
BC-01-1010	Abutment AC1 - Pile Test	14	0	08-Jun-15 A	25-Jun-15 A	



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

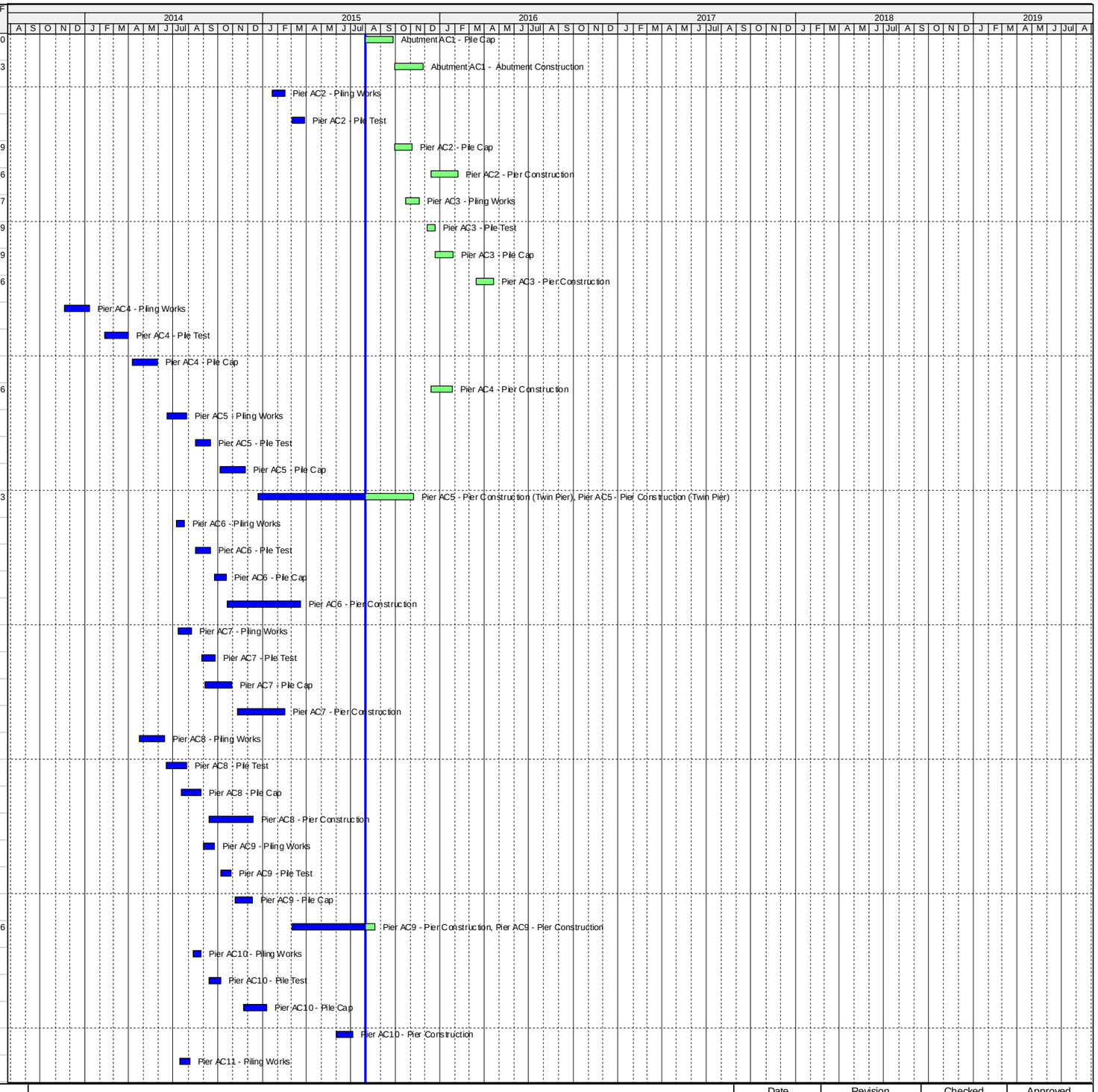
Actual Work
Remaining Work
Summary Bar
Critical Remaining Work
Milestone

CEDD Contract No. CV/2012/09
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision 3B)
Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

Date	Revision	Checked	Approved
29-Jan-14	IWP04	Sam	Victor
08-Jan-15	UMP01	Sam	Victor
24-Apr-15	UMP02	Sam	Victor
01-Aug-15	UMP03	Sam	Victor
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
BC-01-1020	Abutment AC1 - Pile Cap	49	49	01-Aug-15	26-Sep-15	0
BC-01-1030	Abutment AC1 - Abutment Construction	50	50	29-Sep-15	27-Nov-15	323
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	30	29-Sep-15	04-Nov-15	29
BC-02-1030	Pier AC2 - Pier Construction	45	45	14-Dec-15	06-Feb-16	126
BC-03-1000	Pier AC3 - Piling Works	24	24	22-Oct-15	18-Nov-15	7
BC-03-1010	Pier AC3 - Pile Test	14	14	05-Dec-15	21-Dec-15	19
BC-03-1020	Pier AC3 - Pile Cap	30	30	22-Dec-15	28-Jan-16	19
BC-03-1030	Pier AC3 - Pier Construction	28	28	15-Mar-16	20-Apr-16	6
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	35	14-Dec-15	26-Jan-16	6
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	82	22-Dec-14 A	07-Nov-15	3
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	16	02-Mar-15 A	19-Aug-15	76
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	
BC-11-1000	Pier AC11 - Piling Works	12	0	15-Jul-14 A	05-Aug-14 A	



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

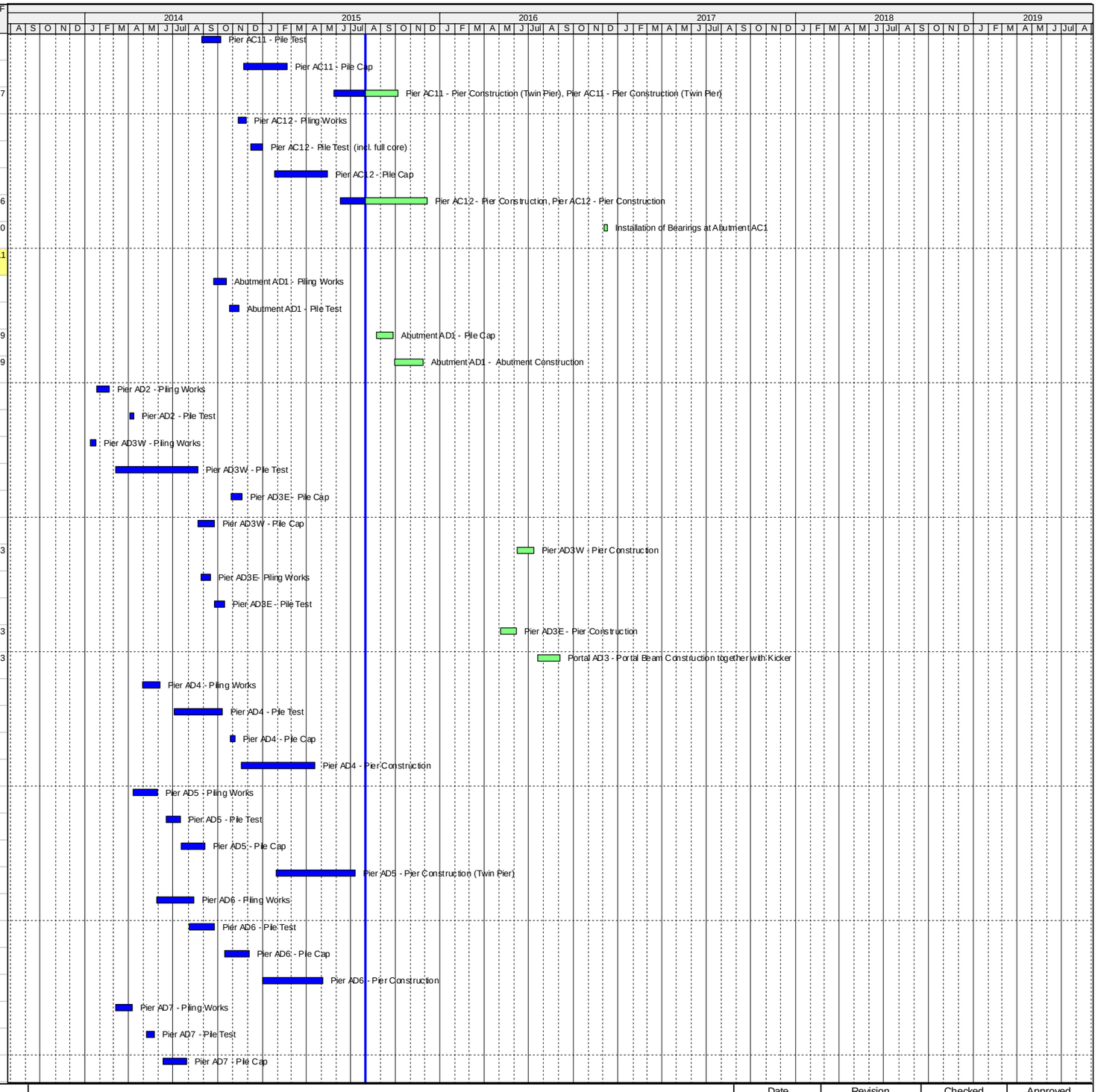
Actual Work
Remaining Work
Summary Bar
Critical Remaining Work
Milestone

CEDD Contract No. CV/2012/09
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision 3B)
Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

Date	Revision	Checked	Approved
29-Jan-14	IWP04	Sam	Victor
08-Jan-15	UMP01	Sam	Victor
24-Apr-15	UMP02	Sam	Victor
01-Aug-15	UMP03	Sam	Victor
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
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	55	27-May-15 A	06-Oct-15	67
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	106	10-Jun-15 A	05-Dec-15	36
EC-1010A	Installation of Bearings at Abutment AC1	6	6	03-Dec-16	09-Dec-16	90
Bridge D		837	414	13-Jan-14 A	22-Dec-16	111
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-01-1020	Abutment AD1 - Pile Cap	30	30	24-Aug-15	26-Sep-15	29
BD-01-1030	Abutment AD1 - Abutment Construction	50	50	29-Sep-15	27-Nov-15	309
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	28	07-Jun-16	11-Jul-16	33
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	28	04-May-16	06-Jun-16	33
BD-03-2040	Portal AD3 - Portal Beam Construction together with Kicker	40	40	20-Jul-16	03-Sep-16	33
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	



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 3B)

Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

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29-Jan-14	IWP04	Sam	Victor
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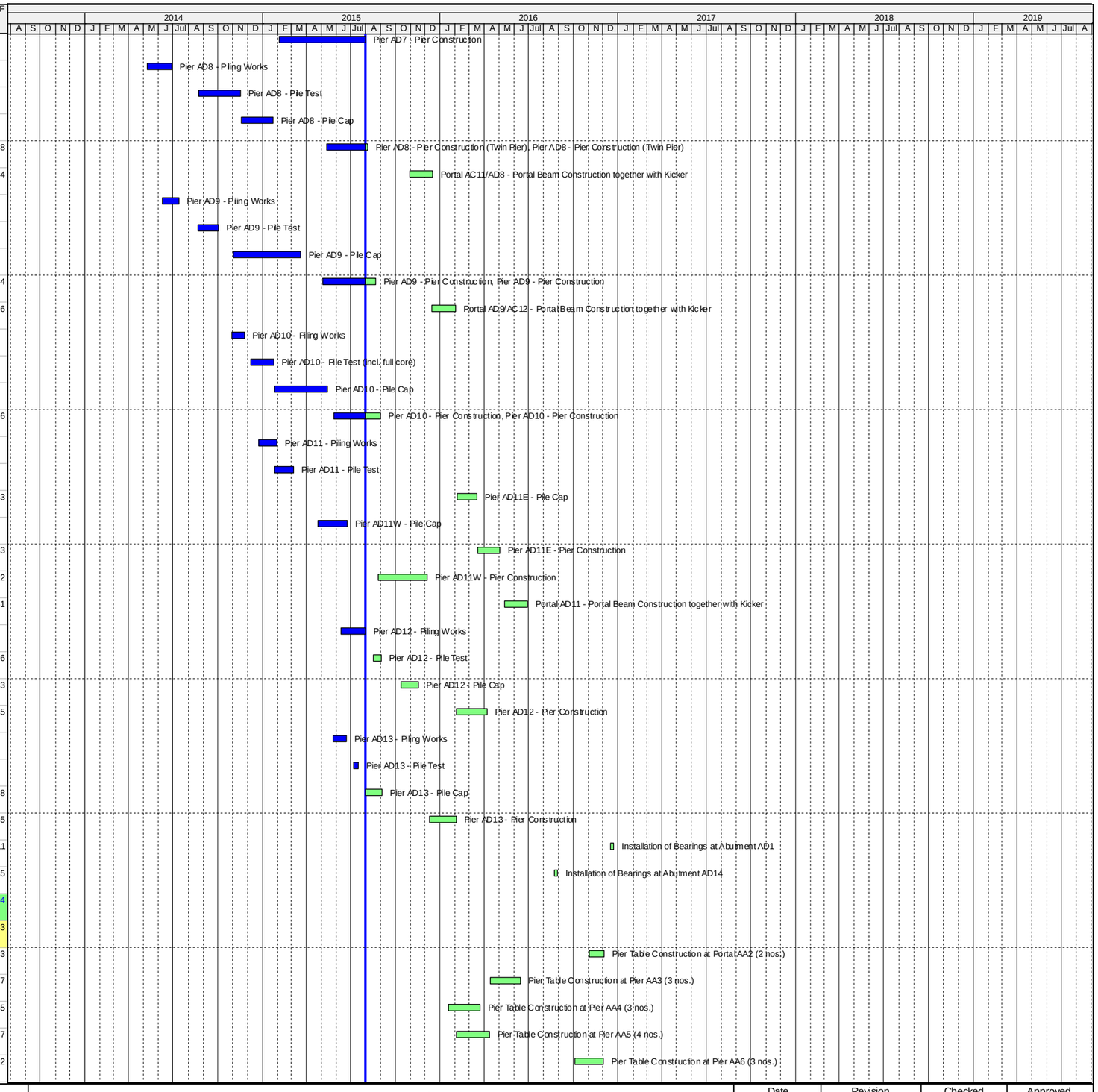
01-Aug-15	UMP03	Sam	Victor
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
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	4	13-May-15 A	05-Aug-15	118
BD-08-1040	Portal AC11/AD8 - Portal Beam Construction together with Kicker	40	40	31-Oct-15	16-Dec-15	54
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	18	05-May-15 A	21-Aug-15	24
BD-09-1040	Portal AD9/AC12 - Portal Beam Construction together with Kicker	40	40	15-Dec-15	02-Feb-16	36
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	26	28-May-15 A	31-Aug-15	96
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	30	30	05-Feb-16	17-Mar-16	33
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	35	18-Mar-16	03-May-16	33
BD-11-1040	Pier AD11W - Pier Construction	84	84	27-Aug-15*	05-Dec-15	112
BD-11-1050	Portal AD11 - Portal Beam Construction together with Kicker	40	40	12-May-16	29-Jun-16	61
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	14	17-Aug-15	01-Sep-15	66
BD-12-1020	Pier AD12 - Pile Cap	30	30	13-Oct-15	17-Nov-15	33
BD-12-1030	Pier AD12 - Pier Construction	45	45	04-Feb-16	07-Apr-16	35
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	30	01-Aug-15	04-Sep-15	18
BD-13-1030	Pier AD13 - Pier Construction	45	45	10-Dec-15	03-Feb-16	35
ED-1010A	Installation of Bearings at Abutment AD1	6	6	16-Dec-16	22-Dec-16	111
ED-1140A	Installation of Bearings at Abutment AD14	6	6	23-Aug-16	29-Aug-16	145
Pier Table Construction		524	398	26-Jan-15 A	03-Dec-16	64
Bridge A		458	398	19-May-15 A	03-Dec-16	43
PA-1020	Pier Table Construction at Portal AA2 (2 nos.)	28	28	02-Nov-16	03-Dec-16	43
PA-1030	Pier Table Construction at Pier AA3 (3 nos.)	50	50	13-Apr-16	13-Jun-16	7
PA-1040	Pier Table Construction at Pier AA4 (3 nos.)	50	50	18-Jan-16	22-Mar-16	45
PA-1050	Pier Table Construction at Pier AA5 (4 nos.)	50	50	03-Feb-16	12-Apr-16	7
PA-1060	Pier Table Construction at Pier AA6 (3 nos.)	50	50	04-Oct-16	01-Dec-16	32



俊和建築工程有限公司
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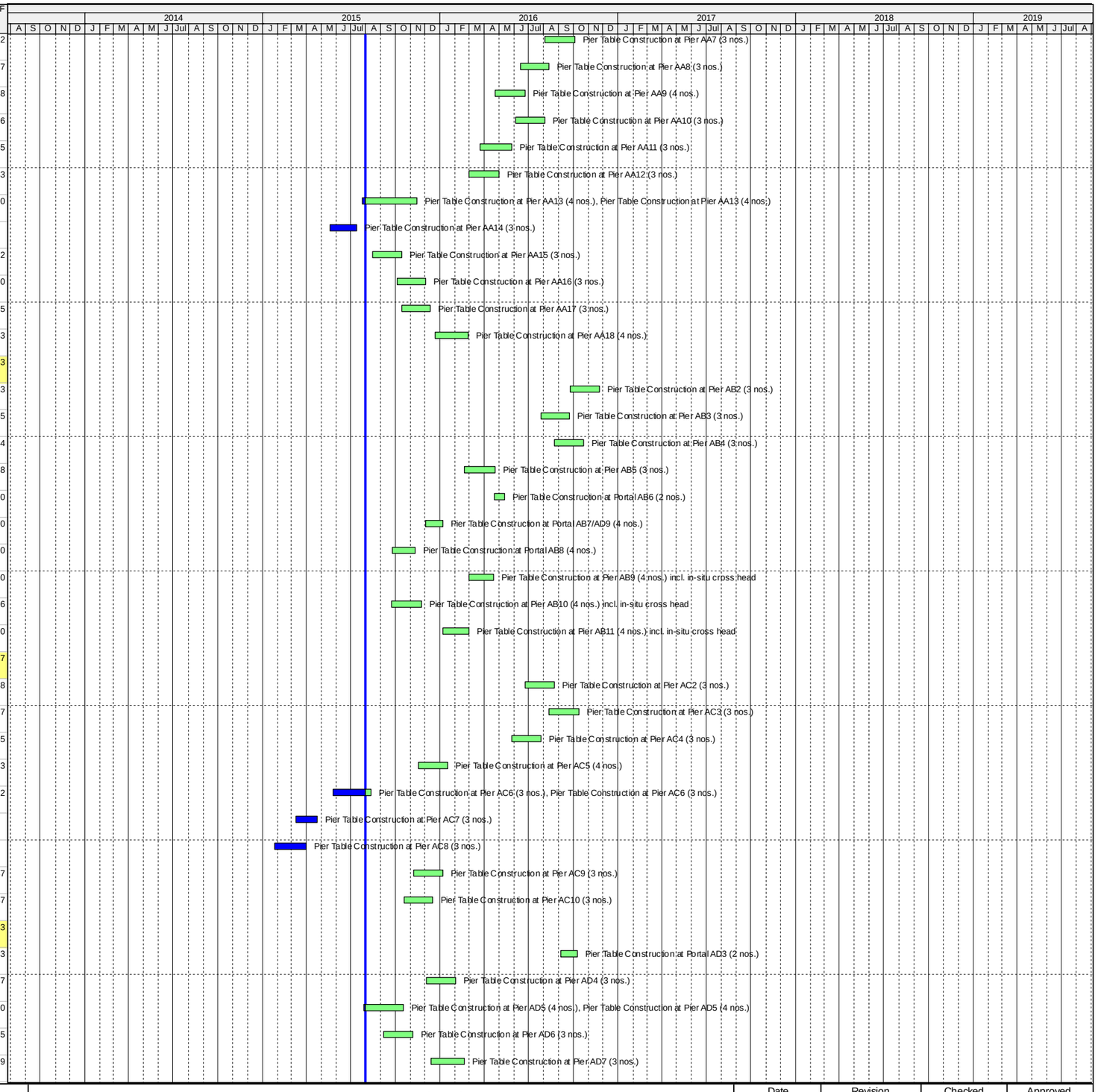
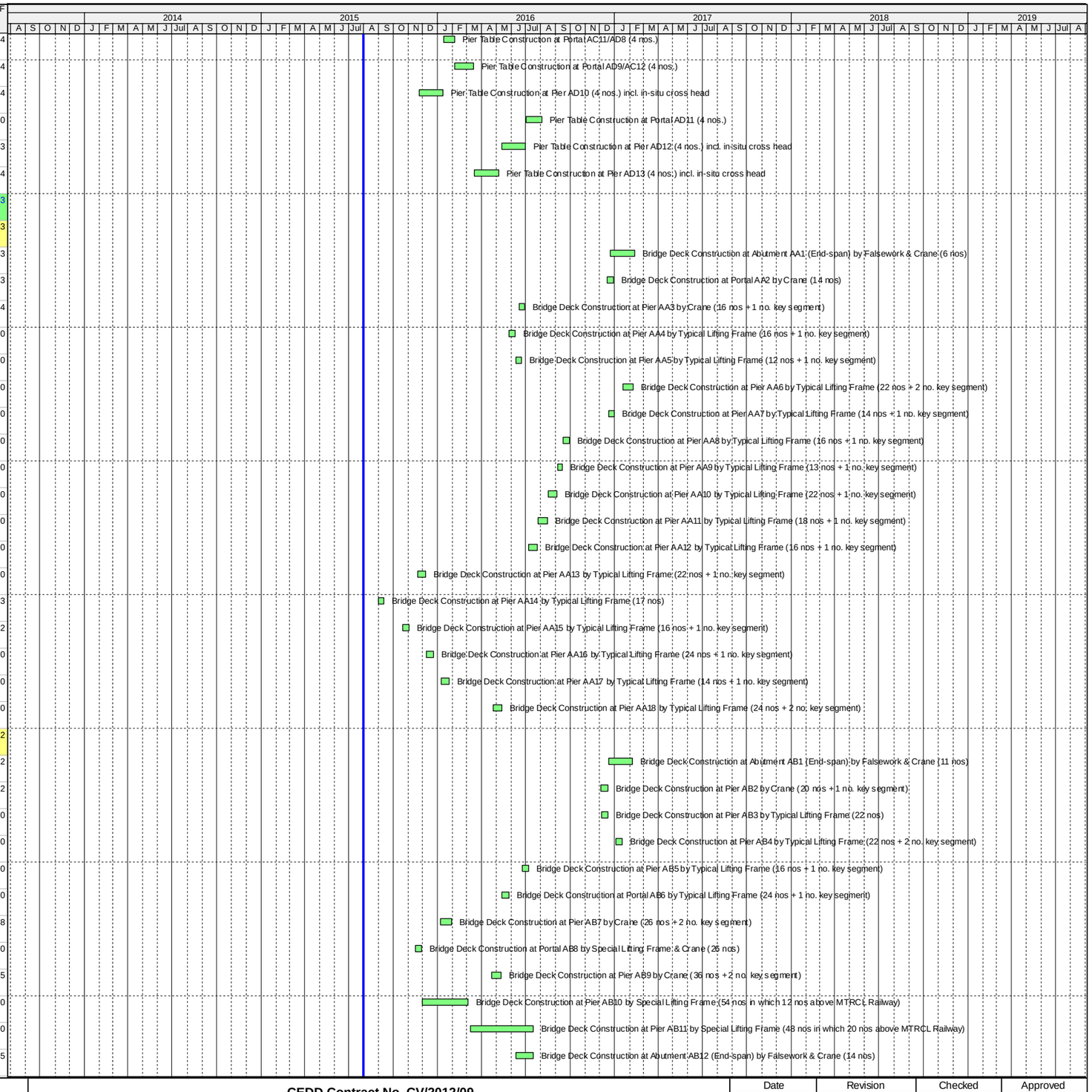
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
PA-1070	Pier Table Construction at Pier AA7 (3 nos.)	50	50	04-Aug-16	03-Oct-16	32
PA-1080	Pier Table Construction at Pier AA8 (3 nos.)	50	50	14-Jun-16	11-Aug-16	7
PA-1090	Pier Table Construction at Pier AA9 (4 nos.)	50	50	23-Apr-16	23-Jun-16	28
PA-1100	Pier Table Construction at Pier AA10 (3 nos.)	50	50	04-Jun-16	03-Aug-16	6
PA-1110	Pier Table Construction at Pier AA11 (3 nos.)	50	50	23-Mar-16	26-May-16	45
PA-1120	Pier Table Construction at Pier AA12 (3 nos.)	50	50	29-Feb-16	30-Apr-16	33
PA-1130	Pier Table Construction at Pier AA13 (4 nos.)	50	88	25-Jul-15 A	14-Nov-15	0
PA-1140	Pier Table Construction at Pier AA14 (3 nos.)	30	0	19-May-15 A	14-Jul-15 A	
PA-1150	Pier Table Construction at Pier AA15 (3 nos.)	50	50	15-Aug-15	14-Oct-15	2
PA-1160	Pier Table Construction at Pier AA16 (3 nos.)	50	50	05-Oct-15*	02-Dec-15	0
PA-1170	Pier Table Construction at Pier AA17 (3 nos.)	50	50	15-Oct-15	12-Dec-15	15
PA-1180	Pier Table Construction at Pier AA18 (4 nos.)	50	50	22-Dec-15	27-Feb-16	33
Bridge B		344	344	23-Sep-15	23-Nov-16	73
PB-1020	Pier Table Construction at Pier AB2 (3 nos.)	50	50	24-Sep-16	23-Nov-16	73
PB-1030	Pier Table Construction at Pier AB3 (3 nos.)	50	50	27-Jul-16	23-Sep-16	55
PB-1040	Pier Table Construction at Pier AB4 (3 nos.)	50	50	23-Aug-16	22-Oct-16	54
PB-1050	Pier Table Construction at Pier AB5 (3 nos.)	50	50	20-Feb-16	22-Apr-16	28
PB-1060	Pier Table Construction at Portal AB6 (2 nos.)	18	18	21-Apr-16	12-May-16	0
PB-1070	Pier Table Construction at Portal AB7/AD9 (4 nos.)	28	28	02-Dec-15	06-Jan-16	0
PB-1080	Pier Table Construction at Portal AB8 (4 nos.)	37	37	25-Sep-15	10-Nov-15	0
PB-1090	Pier Table Construction at Pier AB9 (4 nos.) incl. in-situ cross head	40	40	01-Mar-16	20-Apr-16	0
PB-1100	Pier Table Construction at Pier AB10 (4 nos.) incl. in-situ cross head	50	50	23-Sep-15	23-Nov-15	6
PB-1110	Pier Table Construction at Pier AB11 (4 nos.) incl. in-situ cross head	40	40	07-Jan-16	29-Feb-16	0
Bridge C		479	353	26-Jan-15 A	12-Oct-16	7
PC-1020	Pier Table Construction at Pier AC2 (3 nos.)	50	50	24-Jun-16	22-Aug-16	28
PC-1030	Pier Table Construction at Pier AC3 (3 nos.)	50	50	12-Aug-16	12-Oct-16	7
PC-1040	Pier Table Construction at Pier AC4 (3 nos.)	50	50	27-May-16	26-Jul-16	55
PC-1050	Pier Table Construction at Pier AC5 (4 nos.)	50	50	17-Nov-15	16-Jan-16	3
PC-1060	Pier Table Construction at Pier AC6 (3 nos.)	30	9	26-May-15 A	11-Aug-15	2
PC-1070	Pier Table Construction at Pier AC7 (3 nos.)	30	0	10-Mar-15 A	23-Apr-15 A	
PC-1080	Pier Table Construction at Pier AC8 (3 nos.)	30	0	26-Jan-15 A	01-Apr-15 A	
PC-1090	Pier Table Construction at Pier AC9 (3 nos.)	50	50	07-Nov-15	07-Jan-16	137
PC-1100	Pier Table Construction at Pier AC10 (3 nos.)	50	50	19-Oct-15	16-Dec-15	37
Bridge D		349	351	28-Jul-15 A	08-Oct-16	33
PD-1030	Pier Table Construction at Portal AD3 (2 nos.)	28	28	05-Sep-16	08-Oct-16	33
PD-1040	Pier Table Construction at Pier AD4 (3 nos.)	50	50	03-Dec-15	02-Feb-16	7
PD-1050	Pier Table Construction at Pier AD5 (4 nos.)	50	65	28-Jul-15 A	17-Oct-15	10
PD-1060	Pier Table Construction at Pier AD6 (3 nos.)	50	50	07-Sep-15*	06-Nov-15	35
PD-1070	Pier Table Construction at Pier AD7 (3 nos.)	50	50	14-Dec-15	19-Feb-16	19



Activity ID	Activity Name	OD	RD	Start	Finish	TF
PD-1080	Pier Table Construction at Portal AC11/AD8 (4 nos.)	20	20	13-Jan-16	04-Feb-16	34
PD-1090	Pier Table Construction at Portal AD9/AC12 (4 nos.)	28	28	05-Feb-16	15-Mar-16	34
PD-1100	Pier Table Construction at Pier AD10 (4 nos.) incl. in-situ cross head	40	40	24-Nov-15	12-Jan-16	34
PD-1110	Pier Table Construction at Portal AD11 (4 nos.)	28	28	02-Jul-16	03-Aug-16	60
PD-1120	Pier Table Construction at Pier AD12 (4 nos.) incl. in-situ cross head	40	40	13-May-16	30-Jun-16	13
PD-1130	Pier Table Construction at Pier AD13 (4 nos.) incl. in-situ cross head	40	40	16-Mar-16	06-May-16	64
Viaduct Bridge Segement Erection		511	463	08-May-15 A	28-Feb-17	53
Bridge A		423	423	31-Aug-15	10-Feb-17	33
EA-1010	Bridge Deck Construction at Abutment AA1 (End-span) by Falsework & Crane (6 nos)	34	34	23-Dec-16	10-Feb-17	33
EA-1020	Bridge Deck Construction at Portal AA2 by Crane (14 nos)	10	10	16-Dec-16	29-Dec-16	33
EA-1030	Bridge Deck Construction at Pier AA3 by Crane (16 nos + 1 no. key segment)	10	10	18-Jun-16	29-Jun-16	174
EA-1040	Bridge Deck Construction at Pier AA4 by Typical Lifting Frame (16 nos + 1 no. key segment)	11	11	27-May-16	08-Jun-16	0
EA-1050	Bridge Deck Construction at Pier AA5 by Typical Lifting Frame (12 nos + 1 no. key segment)	11	11	10-Jun-16	22-Jun-16	0
EA-1060	Bridge Deck Construction at Pier AA6 by Typical Lifting Frame (22 nos + 2 no. key segment)	14	14	17-Jan-17	08-Feb-17	0
EA-1070	Bridge Deck Construction at Pier AA7 by Typical Lifting Frame (14 nos + 1 no. key segment)	10	10	19-Dec-16	31-Dec-16	0
EA-1080	Bridge Deck Construction at Pier AA8 by Typical Lifting Frame (16 nos + 1 no. key segment)	11	11	17-Sep-16	29-Sep-16	0
EA-1090	Bridge Deck Construction at Pier AA9 by Typical Lifting Frame (13 nos + 1 no. key segment)	10	10	05-Sep-16	15-Sep-16	0
EA-1100	Bridge Deck Construction at Pier AA10 by Typical Lifting Frame (22 nos + 1 no. key segment)	17	17	16-Aug-16	03-Sep-16	0
EA-1110	Bridge Deck Construction at Pier AA11 by Typical Lifting Frame (18 nos + 1 no. key segment)	18	18	26-Jul-16	15-Aug-16	0
EA-1120	Bridge Deck Construction at Pier AA12 by Typical Lifting Frame (16 nos + 1 no. key segment)	16	16	07-Jul-16	25-Jul-16	0
EA-1130	Bridge Deck Construction at Pier AA13 by Typical Lifting Frame (22 nos + 1 no. key segment)	15	15	20-Nov-15	07-Dec-15	0
EA-1140	Bridge Deck Construction at Pier AA14 by Typical Lifting Frame (17 nos)	12	12	31-Aug-15	12-Sep-15	13
EA-1150	Bridge Deck Construction at Pier AA15 by Typical Lifting Frame (16 nos + 1 no. key segment)	11	11	20-Oct-15	02-Nov-15	2
EA-1160	Bridge Deck Construction at Pier AA16 by Typical Lifting Frame (24 nos + 1 no. key segment)	13	13	08-Dec-15	22-Dec-15	0
EA-1170	Bridge Deck Construction at Pier AA17 by Typical Lifting Frame (14 nos + 1 no. key segment)	15	15	08-Jan-16	25-Jan-16	0
EA-1180	Bridge Deck Construction at Pier AA18 by Typical Lifting Frame (24 nos + 2 no. key segment)	15	15	25-Apr-16	12-May-16	0
Bridge B		356	356	16-Nov-15	06-Feb-17	72
EB-1010	Bridge Deck Construction at Abutment AB1 (End-span) by Falsework & Crane (11 nos)	34	34	19-Dec-16	06-Feb-17	72
EB-1020	Bridge Deck Construction at Pier AB2 by Crane (20 nos + 1 no. key segment)	13	13	03-Dec-16	17-Dec-16	72
EB-1030	Bridge Deck Construction at Pier AB3 by Typical Lifting Frame (22 nos)	12	12	05-Dec-16	17-Dec-16	0
EB-1040	Bridge Deck Construction at Pier AB4 by Typical Lifting Frame (22 nos + 2 no. key segment)	12	12	03-Jan-17	16-Jan-17	0
EB-1050	Bridge Deck Construction at Pier AB5 by Typical Lifting Frame (16 nos + 1 no. key segment)	11	11	23-Jun-16	06-Jul-16	0
EB-1060	Bridge Deck Construction at Portal AB6 by Typical Lifting Frame (24 nos + 1 no. key segment)	11	11	13-May-16	26-May-16	0
EB-1070	Bridge Deck Construction at Pier AB7 by Crane (26 nos + 2 no. key segment)	20	20	07-Jan-16	29-Jan-16	68
EB-1080	Bridge Deck Construction at Portal AB8 by Special Lifting Frame & Crane (26 nos)	12	12	16-Nov-15	28-Nov-15	0
EB-1090	Bridge Deck Construction at Pier AB9 by Crane (36 nos + 2 no. key segment)	16	16	21-Apr-16	10-May-16	225
EB-1100	Bridge Deck Construction at Pier AB10 by Special Lifting Frame (54 nos in which 12 nos above MTRCL Railway)	72	72	01-Dec-15	03-Mar-16	0
EB-1110	Bridge Deck Construction at Pier AB11 by Special Lifting Frame (48 nos in which 20 nos above MTRCL Railway)	105	105	08-Mar-16	16-Jul-16	0
EB-1120	Bridge Deck Construction at Abutment AB12 (End-span) by Falsework & Crane (14 nos)	31	31	10-Jun-16	16-Jul-16	145



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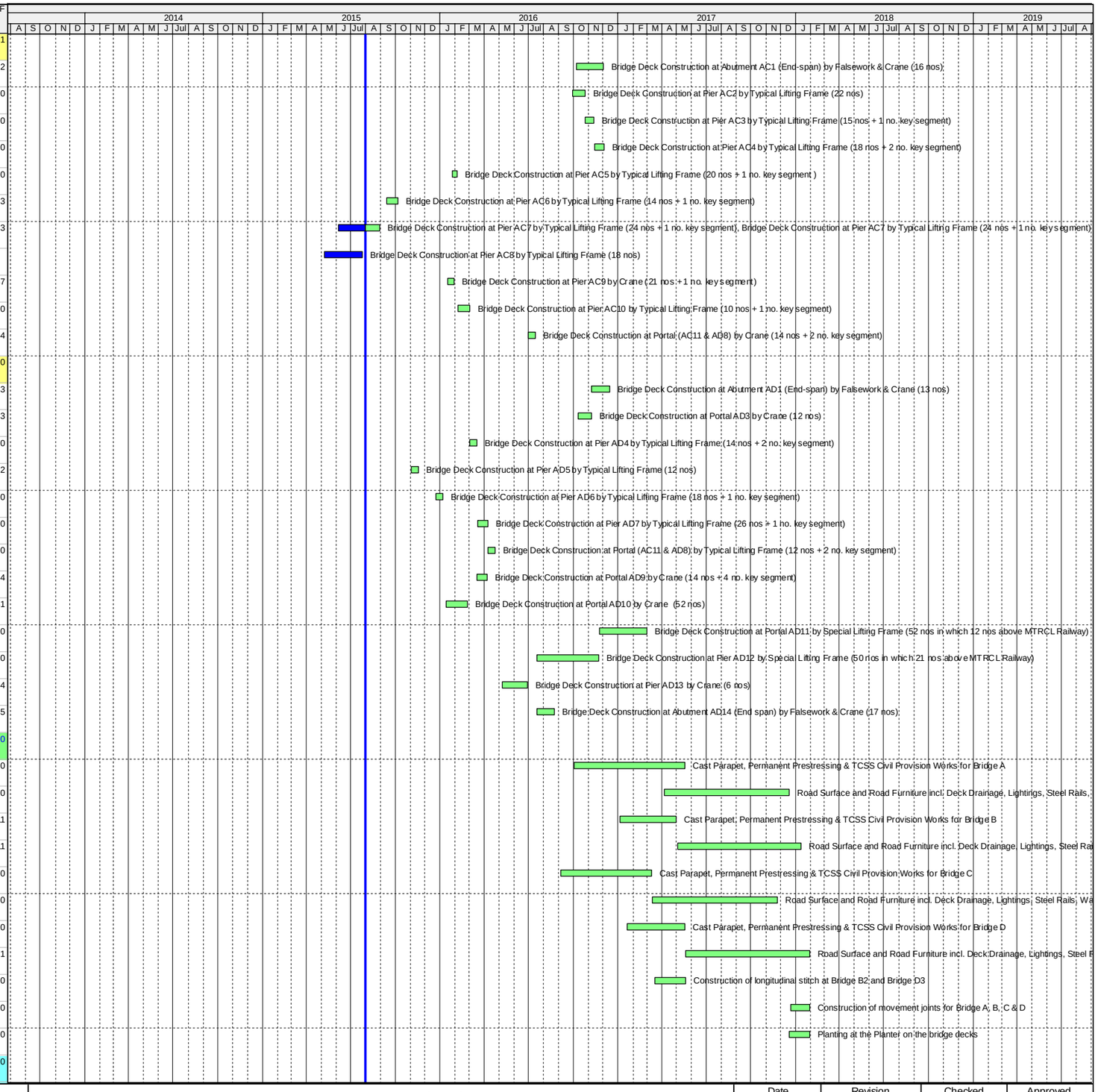
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
Bridge C		446	398	08-May-15 A	03-Dec-16	71
EC-1010	Bridge Deck Construction at Abutment AC1 (End-span) by Falsework & Crane (16 nos)	47	47	08-Oct-16	02-Dec-16	72
EC-1020	Bridge Deck Construction at Pier AC2 by Typical Lifting Frame (22 nos)	20	20	30-Sep-16	25-Oct-16	0
EC-1030	Bridge Deck Construction at Pier AC3 by Typical Lifting Frame (15 nos + 1 no. key segment)	16	16	26-Oct-16	12-Nov-16	0
EC-1040	Bridge Deck Construction at Pier AC4 by Typical Lifting Frame (18 nos + 2 no. key segment)	18	18	14-Nov-16	03-Dec-16	0
EC-1050	Bridge Deck Construction at Pier AC5 by Typical Lifting Frame (20 nos + 1 no. key segment)	10	10	26-Jan-16	05-Feb-16	0
EC-1060	Bridge Deck Construction at Pier AC6 by Typical Lifting Frame (14 nos + 1 no. key segment)	18	18	14-Sep-15	06-Oct-15	13
EC-1070	Bridge Deck Construction at Pier AC7 by Typical Lifting Frame (24 nos + 1 no. key segment)	12	25	06-Jun-15 A	29-Aug-15	13
EC-1080	Bridge Deck Construction at Pier AC8 by Typical Lifting Frame (18 nos)	25	0	08-May-15 A	25-Jul-15 A	
EC-1090	Bridge Deck Construction at Pier AC9 by Crane (21 nos + 1 no. key segment)	12	12	16-Jan-16	29-Jan-16	137
EC-1100	Bridge Deck Construction at Pier AC10 by Typical Lifting Frame (10 nos + 1 no. key segment)	15	15	06-Feb-16	01-Mar-16	0
EC-1110	Bridge Deck Construction at Portal (AC11 & AD8) by Crane (14 nos + 2 no. key segment)	12	12	30-Jun-16	14-Jul-16	64
Bridge D		386	386	03-Nov-15	28-Feb-17	0
ED-1010	Bridge Deck Construction at Abutment AD1 (End-span) by Falsework & Crane (13 nos)	33	33	08-Nov-16	15-Dec-16	33
ED-1030	Bridge Deck Construction at Portal AD3 by Crane (12 nos)	24	24	11-Oct-16	07-Nov-16	33
ED-1040	Bridge Deck Construction at Pier AD4 by Typical Lifting Frame (14 nos + 2 no. key segment)	14	14	02-Mar-16	17-Mar-16	0
ED-1050	Bridge Deck Construction at Pier AD5 by Typical Lifting Frame (12 nos)	13	13	03-Nov-15	17-Nov-15	2
ED-1060	Bridge Deck Construction at Pier AD6 by Typical Lifting Frame (18 nos + 1 no. key segment)	11	11	23-Dec-15	07-Jan-16	0
ED-1070	Bridge Deck Construction at Pier AD7 by Typical Lifting Frame (26 nos + 1 no. key segment)	15	15	18-Mar-16	08-Apr-16	0
ED-1080	Bridge Deck Construction at Portal (AC11 & AD8) by Typical Lifting Frame (12 nos + 2 no. key segment)	13	13	09-Apr-16	23-Apr-16	0
ED-1090	Bridge Deck Construction at Portal AD9 by Crane (14 nos + 4 no. key segment)	15	15	16-Mar-16	06-Apr-16	34
ED-1100	Bridge Deck Construction at Portal AD10 by Crane (52 nos)	32	32	13-Jan-16	25-Feb-16	51
ED-1110	Bridge Deck Construction at Portal AD11 by Special Lifting Frame (52 nos in which 12 nos above MTRCL Railway)	75	75	23-Nov-16	28-Feb-17	0
ED-1120	Bridge Deck Construction at Pier AD12 by Special Lifting Frame (50 nos in which 21 nos above MTRCL Railway)	107	107	18-Jul-16	22-Nov-16	0
ED-1130	Bridge Deck Construction at Pier AD13 by Crane (6 nos)	44	44	07-May-16	29-Jun-16	64
ED-1140	Bridge Deck Construction at Abutment AD14 (End span) by Falsework & Crane (17 nos)	31	31	18-Jul-16	22-Aug-16	145
Major Works on Deck Surfaces		414	414	05-Sep-16	30-Jan-18	0
C-1000	Cast Parapet, Permanent Prestressing & TCSS Civil Provision Works for Bridge A	180	180	03-Oct-16	18-May-17	0
C-1010	Road Surface and Road Furniture incl. Deck Drainage, Lightings, Steel Rails, Noise Barrier, Water Main for Bridge A	210	210	06-Apr-17	18-Dec-17	0
C-2000	Cast Parapet, Permanent Prestressing & TCSS Civil Provision Works for Bridge B	90	90	04-Jan-17	29-Apr-17	11
C-2010	Road Surface and Road Furniture incl. Deck Drainage, Lightings, Steel Rails, Water Main for Bridge B	210	210	04-May-17	12-Jan-18	11
C-3000	Cast Parapet, Permanent Prestressing & TCSS Civil Provision Works for Bridge C	150	150	05-Sep-16	11-Mar-17	20
C-3010	Road Surface and Road Furniture incl. Deck Drainage, Lightings, Steel Rails, Water Main for Bridge C	210	210	13-Mar-17	24-Nov-17	20
C-4000	Cast Parapet, Permanent Prestressing & TCSS Civil Provision Works for Bridge D	90	90	20-Jan-17	18-May-17	0
C-4010	Road Surface and Road Furniture incl. Deck Drainage, Lightings, Steel Rails, Water Main for Bridge D	210	210	20-May-17	29-Jan-18	1
C-5000	Construction of longitudinal stitch at Bridge B2 and Bridge D3	49	49	17-Mar-17	19-May-17	0
C-5010	Construction of movement joints for Bridge A, B, C & D	32	32	21-Dec-17	30-Jan-18	0
C-5020	Planting at the Planter on the bridge decks	34	34	19-Dec-17	30-Jan-18	0
Section VI - Works in Portion FH9 (KD-6A)		676	509	16-Aug-14 A	27-Apr-17	0



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

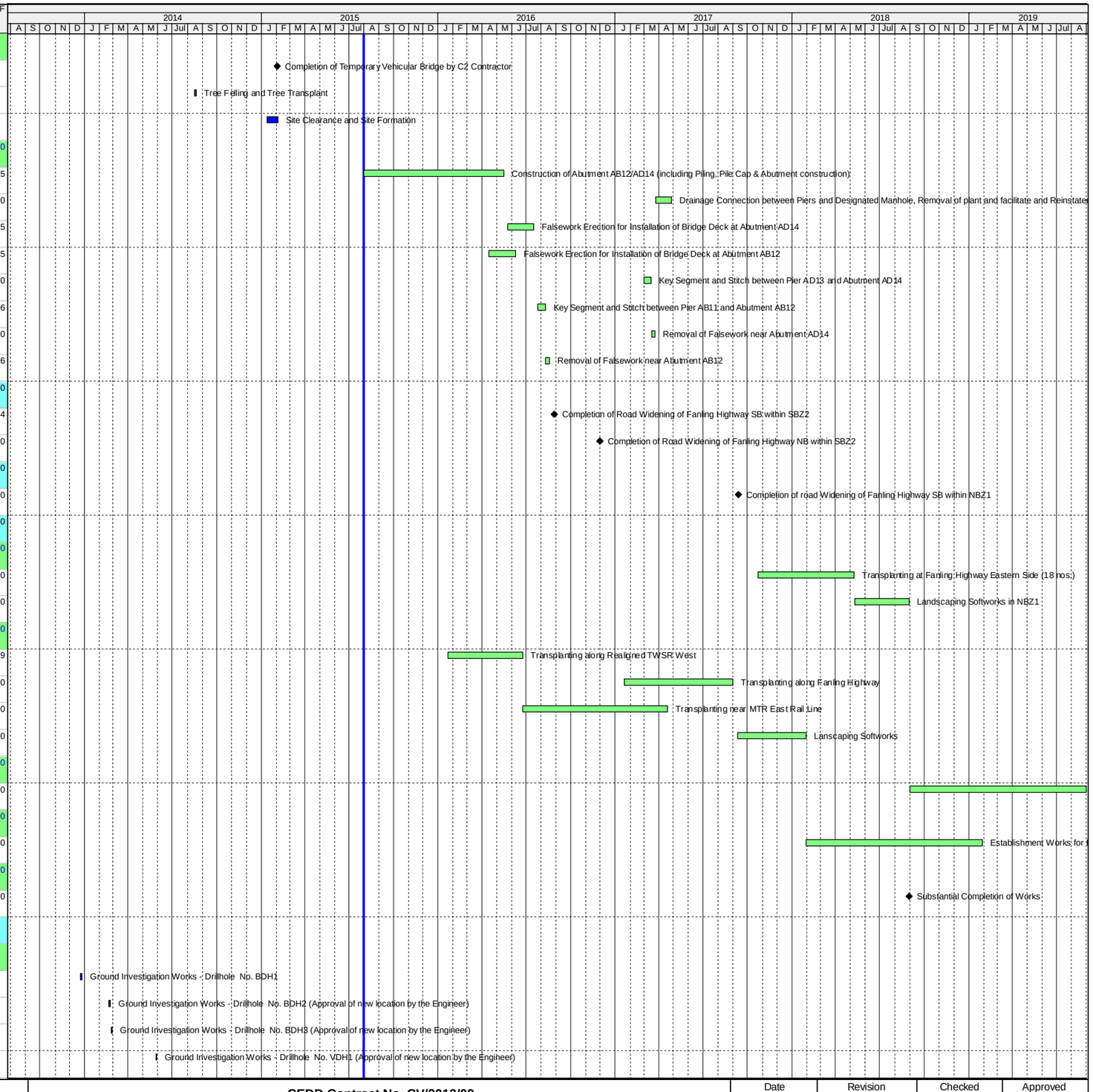
Actual Work
Remaining Work
Summary Bar
Critical Remaining Work
Milestone

CEDD Contract No. CV/2012/09
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision 3B)
Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

Date	Revision	Checked	Approved
29-Jan-14	IWP04	Sam	Victor
08-Jan-15	UMP01	Sam	Victor
24-Apr-15	UMP02	Sam	Victor
01-Aug-15	UMP03	Sam	Victor
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
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		635	509	06-Feb-15 A	27-Apr-17	0
S6-2000*	Construction of Abutment AB12/AD14 (including Piling, Pile Cap & Abutment construction)	276	230	06-Feb-15 A	16-May-16	165
S6-3000	Drainage Connection between Piers and Designated Manhole, Removal of plant and facilitate and Reinstatement to original	25	25	25-Mar-17	27-Apr-17	0
S6-4000	Falsework Erection for Installation of Bridge Deck at Abutment AD14	45	45	24-May-16	16-Jul-16	145
S6-4010	Falsework Erection for Installation of Bridge Deck at Abutment AB12	45	45	15-Apr-16	08-Jun-16	145
S6-5000	Key Segment and Stitch between Pier AD13 and Abutment AD14	14	14	01-Mar-17	16-Mar-17	0
S6-5010	Key Segment and Stitch between Pier AB11 and Abutment AB12	14	14	25-Jul-16	09-Aug-16	176
S6-6000	Removal of Falsework near Abutment AD14	7	7	17-Mar-17	24-Mar-17	0
S6-6010	Removal of Falsework near Abutment AB12	7	7	10-Aug-16	17-Aug-16	176
Stage S4 - Completion of Road Widening (SBZ2) and to Allow Access for HY/2012/06 (KD-10)		94	94	27-Aug-16	29-Nov-16	0
SS4-1000	Completion of Road Widening of Fanling Highway SB within SBZ2	0	0		27-Aug-16	94
SS4-2000	Completion of Road Widening of Fanling Highway NB within SBZ2	0	0		29-Nov-16	0
Stage N4 - Completion of Road Widening (NBZ1) and to Allow Access for HY/2012/06 (KD-11)		0	0	11-Sep-17	11-Sep-17	0
SN4-1000	Completion of road Widening of Fanling Highway SB within NBZ1	0	0		11-Sep-17	0
Landscaping & Establishment Works (KD-4, 4A, 5, 5A, 6)		1057	1057	21-Jan-16	31-Aug-19	0
Secton IIIA - Landscaping Softworks in NBZ1		251	251	23-Oct-17	31-Aug-18	0
S3A-1000	Transplanting at Fanling Highway Eastern Side (18 nos.)	156	156	23-Oct-17	09-May-18	0
S3A-1010	Landscaping Softworks in NBZ1	95	95	10-May-18	31-Aug-18	0
Secton III - Remainder of Landscaping Softworks Not Included in Secton IIIA		594	594	21-Jan-16	29-Jan-18	0
S3-1000	Transplanting along Realigned TWSR West	120	120	21-Jan-16	23-Jun-16	359
S3-1010	Transplanting along Fanling Highway	180	180	19-Jan-17	01-Sep-17	0
S3-1020	Transplanting near MTR East Rail Line	240	240	23-Jun-16	18-Apr-17	120
S3-1030	Lanscaping Softworks	115	115	11-Sep-17	29-Jan-18	0
Establishment Works for Landscape Softworks under Section IIIA		365	365	01-Sep-18	31-Aug-19	0
S4A-1000	Establishment Works at NBZ1	365	365	01-Sep-18	31-Aug-19	0
Establishment Works for Landscape Softworks under Section III		365	365	30-Jan-18	29-Jan-19	0
S4-1000	Establishment Works for Remaining Part of Site	365	365	30-Jan-18	29-Jan-19	0
Preservation and Protection of Trees		0	0	31-Aug-18	31-Aug-18	0
S5-1000	Substantial Completion of Works	0	0		31-Aug-18	0
Section VII - All Geotechnical Fieldworks & All Associated Laboratory Tests (KD-6B)		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	



Actual Work
Remaining Work
Summary Bar
Critical Remaining Work
Milestone

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

CEDD Contract No. CV/2012/09

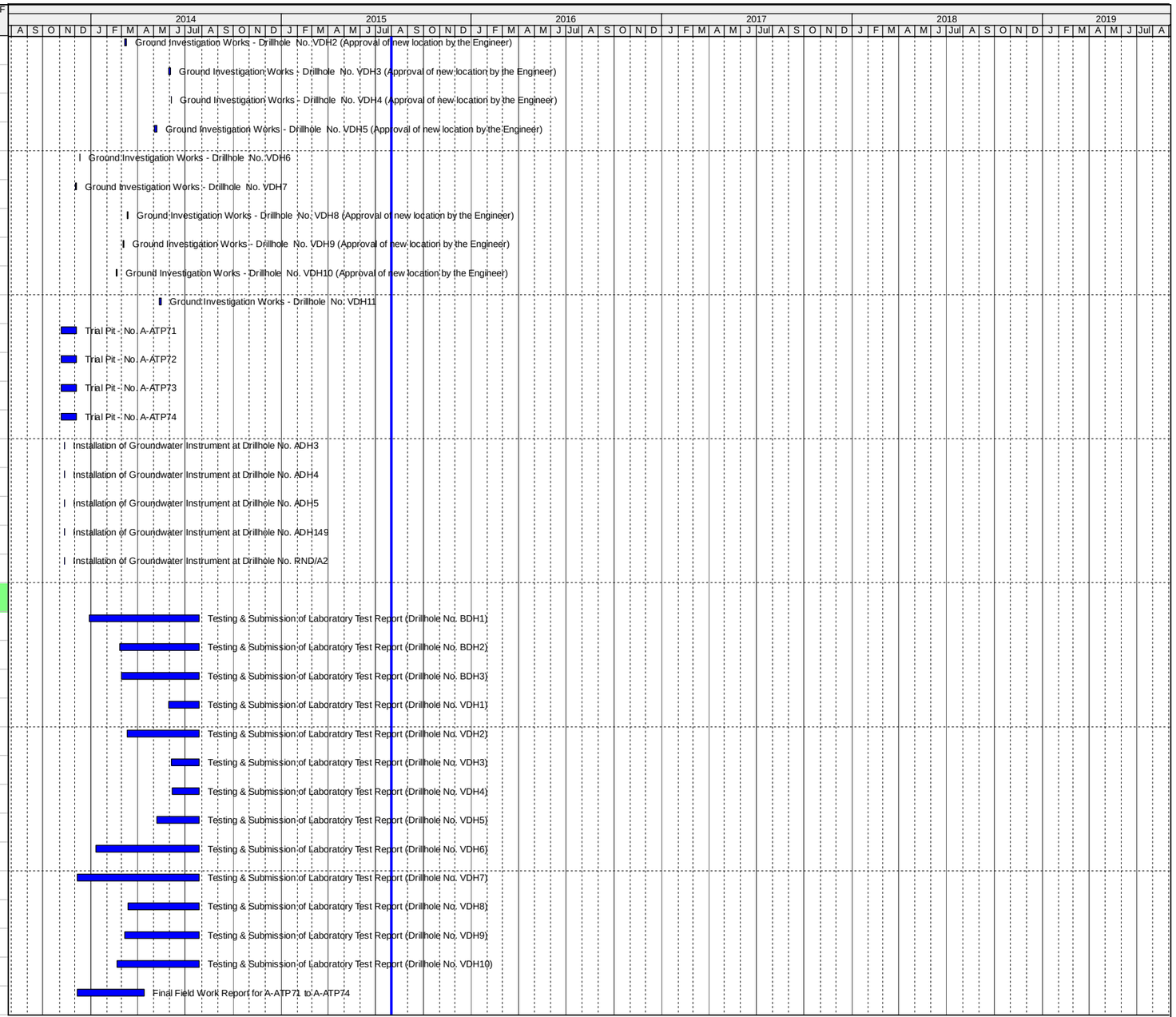
Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

Updated Master Works Programme (Revision 3B)

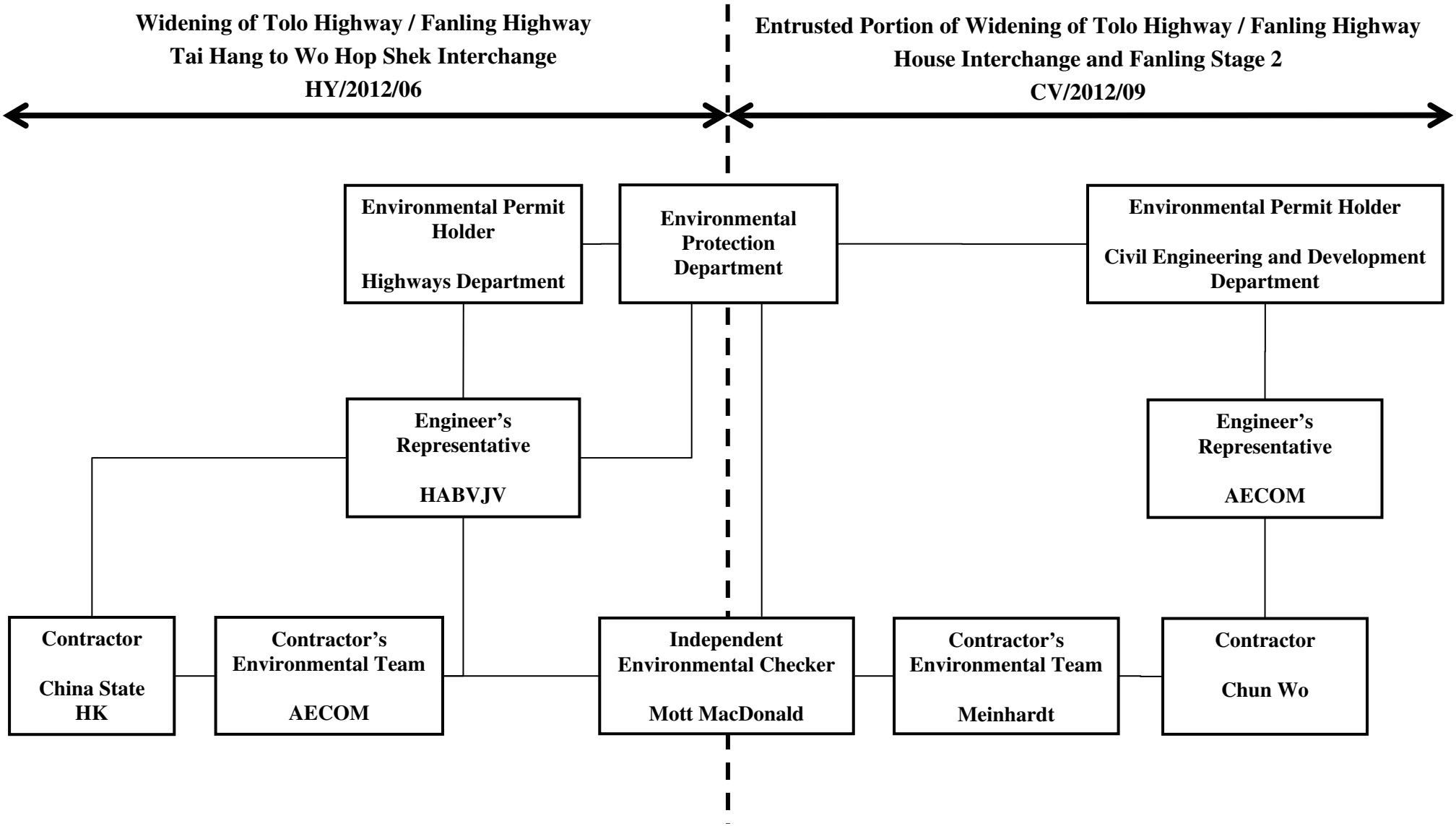
Programme ID: UMP03B (Data Date: 01-Aug-15) ____ Print Date: 23-Oct-15

Date	Revision	Checked	Approved
29-Jan-14	IWP04	Sam	Victor
08-Jan-15	UMP01	Sam	Victor
24-Apr-15	UMP02	Sam	Victor
01-Aug-15	UMP03	Sam	Victor
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor

Activity ID	Activity Name	OD	RD	Start	Finish	TF
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	
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 Report for A-ATP71 to A-ATP74	90	0	06-Dec-13 A	14-Apr-14 A	



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	✓ ✓ ✓ ✓ ✓ ✓ ✓ 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	✓ ✓

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.			✓
	● 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.			
	● 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).			Rem
	● 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.			✓
	● 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.			Obs
	● 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.			Rem / Obs
	• 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 [#]
	<u>Temporary Works Areas</u> • Where feasible the works areas would be screened using hoarding and existing vegetation would be retained where possible to reduce the landscape and visual impacts arising from the construction activity. The landscape of these works areas would be restored following the completion of the construction phase.	During Construction	Contractor	✓
	<u>Hoarding</u> • A hoarding would be erected where practicable in the most visually sensitive locations to screen the temporary construction works from the local VSRs.	During Construction	Contractor	✓
	<u>Top Soils</u> • 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.	During Construction	Contractor	N/A
	<u>Protection of Important Landscape Features</u> • Important features such as temples, Island House and kilns within the study area, although remote from the proposed works retained and adequately protected.	During Construction	Contractor	N/A
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 , August 2016 - Sheung Shui

Day	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)					
01	998.8	32.1	29.6	26.3	25.2	78	0.5	***	***
02	994.9	28.1	26.2	24.4	24.8	92	145.0	***	***
03	1005.9	27.9	26.5	25.5	25.3	94	36.5	***	***
04	1008.3	29.1	26.3	25.2	25.8	97	44.0	***	***
05	1007.8	34.0	29.0	25.4	26.0	85	0.0	***	***
06	1004.4	35.1	30.0	25.6	25.7	79	0.0	***	***
07	1002.2	35.6	30.4	26.9	26.3	80	0.0	***	***
08	1002.4	36.1	30.4	27.4	26.2	79	0.0	***	***
09	1001.4	33.2	28.7	25.7	26.4	88	2.5	***	***
10	1002.1	27.8	26.3	24.7	25.4	95	23.5	***	***
11	1002.7	31.9	27.6	25.3	25.2	87	0.5	***	***
12	1000.8	30.6	27.6	26.0	25.7	90	2.0	***	***
13	999.3	33.3	28.6	26.4	25.6	85	1.0	***	***
14	998.0	29.1	27.2	25.3	25.0	88	16.0	***	***
15	997.2	30.5	26.5	24.9	25.6	95	17.5	***	***
16	995.8	27.2	26.0	24.9	25.4	97	15.0	***	***
17	993.6	28.4	26.6	25.0	25.6	95	14.0	***	***
18	995.8	29.2	26.8	25.6	25.7	94	57.5	***	***
19	1002.5	32.5	28.9	26.0	26.0	85	0.0	***	***
20	1004.2	34.5	28.7	26.2	27.0	91	11.5	***	***
21	1002.6	33.0	27.0	23.1	25.2	91	58.5	***	***
22	1004.2	34.8	29.1	25.5	25.0	81	0.0	***	***
23	1004.2	35.7	29.8	25.3	24.9	76	0.0	***	***
24	1003.2	34.3	30.1	26.9	24.8	74	0.0	***	***
25	1003.7	35.3	30.3	26.0	25.5	78	0.0	***	***
26	1004.2	35.6	29.6	26.0	25.1	78	2.0	***	***
27	1006.0	35.1	28.5	25.7	25.5	85	12.5	***	***
28	1006.1	30.4	26.8	24.6	24.1	86	57.5	***	***
29	1007.1	27.9	26.0	24.9	21.2	75	0.0	***	***
30	1007.2	31.8	27.5	23.9	22.7	76	0.0	***	***
31	1005.8	33.3	27.7	23.6	24.0	81	0.0	***	***

*** unavailable

Rainfall measured in increment of 0.5 mm. Amount of < 0.5 mm cannot be detected

Daily Extract of Meteorological Observations , September 2016 - Sheung Shui

Day	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)					
01	1002.6	31.6	28.2	26.2	26.0	88	6.0	***	***
02	1001.5	32.2	28.0	26.4	26.3	91	2.0	***	***
03	1002.2	32.0	27.7	26.0	26.6	94	4.0	***	***
04	1004.8	31.1	28.1	26.3	24.9	83	0.0	***	***
05	1005.9	28.3	26.7	25.3	25.1	91	33.0	***	***
06	1006.2	30.0	26.8	25.5	25.5	93	3.0	***	***
07	1006.9	29.5	26.4	24.7	25.1	93	1.0	***	***
08	1007.5	29.9	27.1	24.8	25.7	93	0.5	***	***
09	1007.9	29.3	26.4	25.0	25.1	93	2.0	***	***
10	1007.3	29.0	25.1	24.3	24.9	99	57.5	***	***
11	1008.0	32.2	26.8	23.7	25.3	92	2.0	***	***
12	1009.8	34.7	28.3	24.1	24.7	82	0.0	***	***
13	1009.8	32.2	27.9	25.6	25.2	86	0.0	***	***
14	1004.3	34.7	29.4	24.7	23.2	72	0.0	***	***
15	1002.7	34.5	29.1	25.5	23.2	72	0.0	***	***
16	1004.7	32.7	28.3	24.3	23.2	75	0.0	***	***
17	1005.6	32.8	28.6	24.7	22.5	71	0.0	***	***
18	1006.8	33.7	28.5	24.8	21.9	68	0.0	***	***
19	1007.8	33.5	27.9	24.3	22.7	74	6.5	***	***
20	1012.1	30.0	24.6#	22.4	23.1#	92#	30.0	***	***
21	1014.1	31.9	26.9	22.9	22.7	79	0.0	***	***
22	1013.3	32.1	27.5	25.3	22.2	74	0.0	***	***
23	1011.7	31.4	27.6	25.6	22.7	75	0.0	***	***
24	1010.1	33.4	28.3	26.0	23.1	75	0.0	***	***
25	1009.4	32.7	28.5	25.7	24.1	78	0.0	***	***
26	1007.3	32.8	28.1	25.7	25.5	87	2.0	***	***
27	1002.6	36.8	30.4	25.3	23.9	72	0.0	***	***
28	999.4	32.2	29.9	28.5	21.4	60	0.0	***	***
29	1004.1	28.5	25.8	23.2	20.2	72	0.0	***	***
30	1007.7	26.8	24.2	22.7	21.1	83	0.0	***	***

*** unavailable

data incomplete

Rainfall measured in increment of 0.5 mm. Amount of < 0.5 mm cannot be detected

Daily Extract of Meteorological Observations , October 2016

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	1009.9	29.4	26.6	24.0	24.6	89	75	95.5	5.8	***	***
02	1009.0	29.8	27.6	26.2	24.3	82	76	Trace	3.0	***	***
03	1007.8	28.3	27.5	26.6	24.1	82	84	0.2	1.2	***	***
04	1008.1	29.5	27.5	26.5	24.4	83	60	0.0	4.9	***	***
05	1008.9	31.9	28.6	26.9	24.3	78	68	Trace	5.7	***	***
06	1009.1	32.4	28.5	25.9	23.5	75	57	16.7	8.9	***	***
07	1007.1	29.3	27.7	25.5	23.5	79	86	17.3	3.8	***	***
08	1006.8	29.9	28.1	27.0	22.4	71	88	Trace	2.1	***	***
09	1008.9	28.8	26.5	24.9	20.4	69	86	0.0	4.7	***	***
10	1010.2	28.1	25.3	23.5	19.4	70	74	0.0	6.8	***	***
11	1010.7	26.8	24.5	22.0	20.6	79	88	0.1	0.7	***	***
12	1012.5	25.8	24.6	23.0	21.6	84	88	0.9	0.1	***	***
13	1013.5	29.3	26.0	24.2	21.6	77	72	Trace	6.5	***	***
14	1013.2	29.9	26.7	25.0	21.9	76	70	Trace	9.0	***	***
15	1012.6	30.3	27.2	24.6	21.6	72	63	0.0	7.0	***	***
16	1010.9	30.8	28.0	25.9	22.1	71	62	0.0	7.8	***	***
17	1009.1	28.8	26.6	24.1	22.9	81	89	16.7	2.2	***	***
18	1008.1	25.5	24.8	23.9	24.2	96	91	178.7	0.0	***	***
19	1008.7	25.9	25.1	24.4	24.6	96	94	223.4	0.1	***	***
20	1004.6	29.5	27.3	24.7	23.8	82	82	0.0	7.4	***	***
21	997.1	28.0	26.1	24.4	23.6	86	96	72.5	0.0	***	***
22	1007.8	29.4	27.5	26.1	24.4	84	77	1.9	5.0	***	***
23	1010.0	29.1	27.1	25.8	24.9	88	68	0.0	2.8	***	***
24	1011.3	29.1	27.3	26.1	25.2	88	74	Trace	4.1	***	***
25	1013.3	29.8	27.3	26.1	24.8	87	65	Trace	9.2	***	***
26	1015.6	30.0	27.1	25.7	24.2	84	47	0.0	8.5	***	***
27	1016.0	30.9	27.5	25.4	23.5	79	41	0.0	9.8	***	***
28	1014.9	31.5	28.2	26.3	23.3	75	54	0.0	10.3	***	***
29	1017.2	29.0	26.7	24.3	22.7	79	70	0.5	3.7	***	***
30	1019.8	26.6	24.4	22.9	19.4	74	85	0.0	3.6	***	***
31	1019.1	28.7	25.5	23.1	19.7	70	66	0.0	7.9	***	***
Mean/Total	1010.7	29.1	26.8	25.0	22.9	80	74	624.4	152.6	***	***
Normal§	1014.1	27.8	25.5	23.7	20.2	73	58	100.9	193.9	080	27.4

*** 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

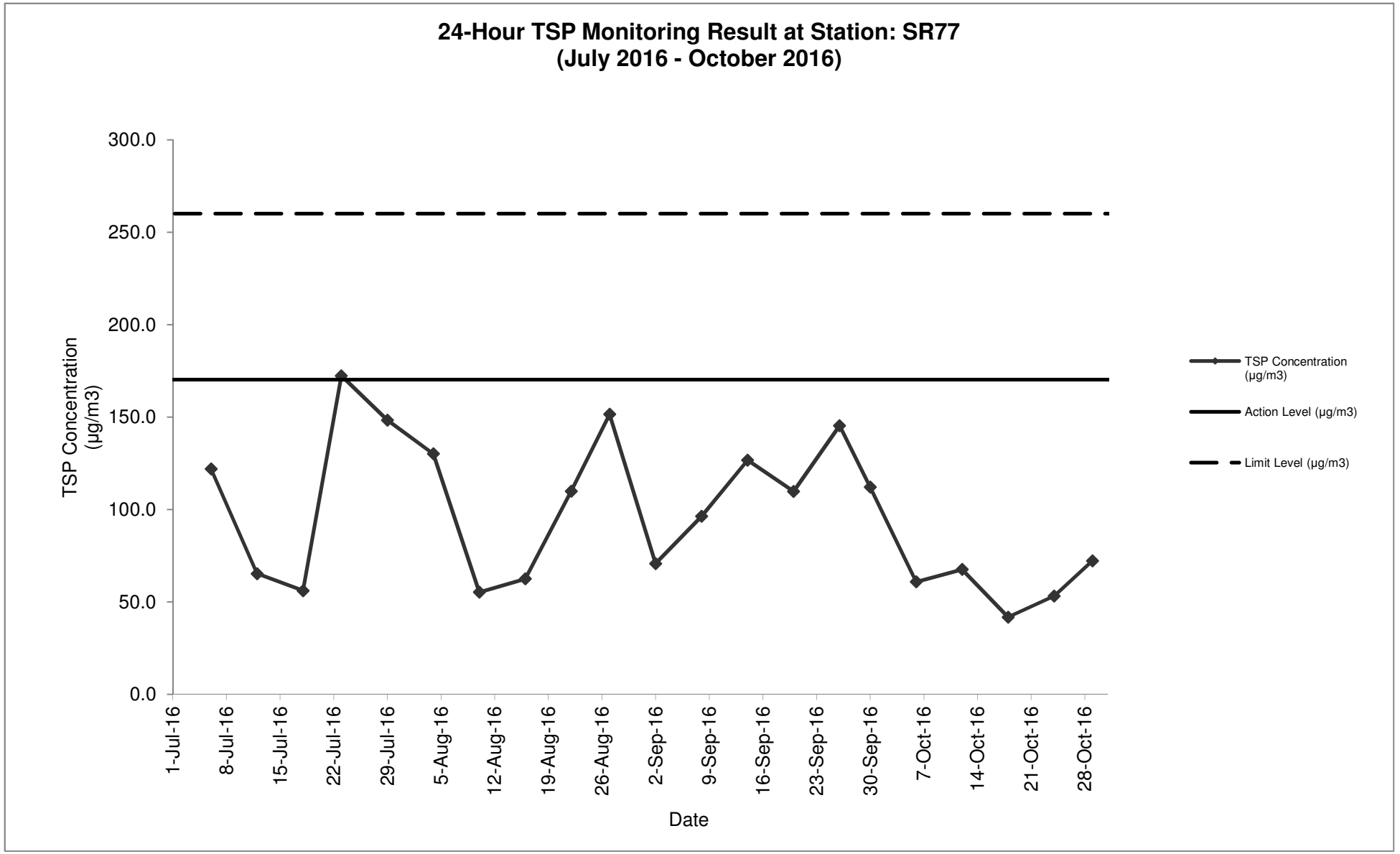
Appendix E
Air Quality Monitoring Results and their Graphical Presentation

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 ($\mu g/m3$)	Limit Level ($\mu g/m3$)	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						
6-Jul-16	Cloudy	208	2.7836	3.0371	0.2535	4981.67	5005.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	121.9	170.3	260.0	<5	N
12-Jul-16	Cloudy	210	2.7744	2.9102	0.1358	5008.67	5032.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	65.3	170.3	260.0	<5	N
18-Jul-16	Sunny	212	2.8308	2.9474	0.1166	5035.67	5059.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	56.1	170.3	260.0	<5	N
23-Jul-16	Sunny	214	2.8593	3.2177	0.3584	5062.67	5086.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	**172.3**	170.3	260.0	<5	N
29-Jul-16	Sunny	216	2.8346	3.1431	0.3085	5089.67	5113.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	148.3	170.3	260.0	<5	N
4-Aug-16	Rainy	218	2.7565	3.0271	0.2706	5116.67	5140.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	130.1	170.3	260.0	<5	N
10-Aug-16	Rainy	220	2.8429	2.9579	0.1150	5143.67	5167.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	55.3	170.3	260.0	<5	N
16-Aug-16	Rainy	222	2.8216	2.9516	0.1300	5170.67	5194.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	62.5	170.3	260.0	<5	N
22-Aug-16	Sunny	224	2.8165	3.0451	0.2286	5197.67	5221.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	109.9	170.3	260.0	<5	N
27-Aug-16	Sunny	226	2.8566	3.1717	0.3151	5224.67	5248.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	151.5	170.3	260.0	<5	N
2-Sep-16	Cloudy	228	2.8419	2.9891	0.1472	5251.67	5275.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	70.8	170.3	260.0	<5	N
8-Sep-16	Rainy	230	2.8694	3.0697	0.2003	5278.67	5302.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	96.3	170.3	260.0	<5	N
14-Sep-16	Sunny	232	2.8445	3.1080	0.2635	5305.67	5329.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	126.7	170.3	260.0	<5	N
20-Sep-16	Rainy	234	2.8320	3.0604	0.2284	5332.67	5356.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	109.8	170.3	260.0	<5	N
26-Sep-16	Fine	236	2.8447	3.1470	0.3023	5359.67	5383.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	145.4	170.3	260.0	<5	N
30-Sep-16	Fine	238	2.8243	3.0574	0.2331	5386.67	5410.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	112.1	170.3	260.0	<5	N
6-Oct-16	Fine	240	2.8401	2.9667	0.1266	5413.67	5437.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	60.9	170.3	260.0	<5	N
12-Oct-16	Sunny	242	2.8534	2.9939	0.1405	5440.67	5464.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	67.6	170.3	260.0	<5	N
18-Oct-16	Rainy	244	2.9016	2.9885	0.0869	5467.67	5491.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	41.8	170.3	260.0	<5	N
24-Oct-16	Sunny	246	2.8571	2.9678	0.1107	5494.67	5518.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	53.2	170.3	260.0	<5	N
29-Oct-16	Fine	248	2.8900	3.0403	0.1503	5521.67	5545.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	72.3	170.3	260.0	<5	N

Summary For the Reporting Quarter (August 2016 - October 2016)	
Average	91.6
Minimum	41.8
Maximum	151.5

Note: No major dust source observed during the monitoring period
Data in **Bold** and red denotes exceedanece of respective Action Level


24-Hour TSP Monitoring Result at Station: SR77
(July 2016 - October 2016)
300.0
250.0
200.0
150.0
100.0
50.0
0.0
TSP Concentration (µg/m3)
1-Jul-16
8-Jul-16
15-Jul-16
22-Jul-16
29-Jul-16
5-Aug-16
12-Aug-16
19-Aug-16
26-Aug-16
2-Sep-16
9-Sep-16
16-Sep-16
23-Sep-16
30-Sep-16
7-Oct-16
14-Oct-16
21-Oct-16
28-Oct-16
Date
TSP Concentration (µg/m3)
Action Level (µg/m3)
Limit Level (µg/m3)

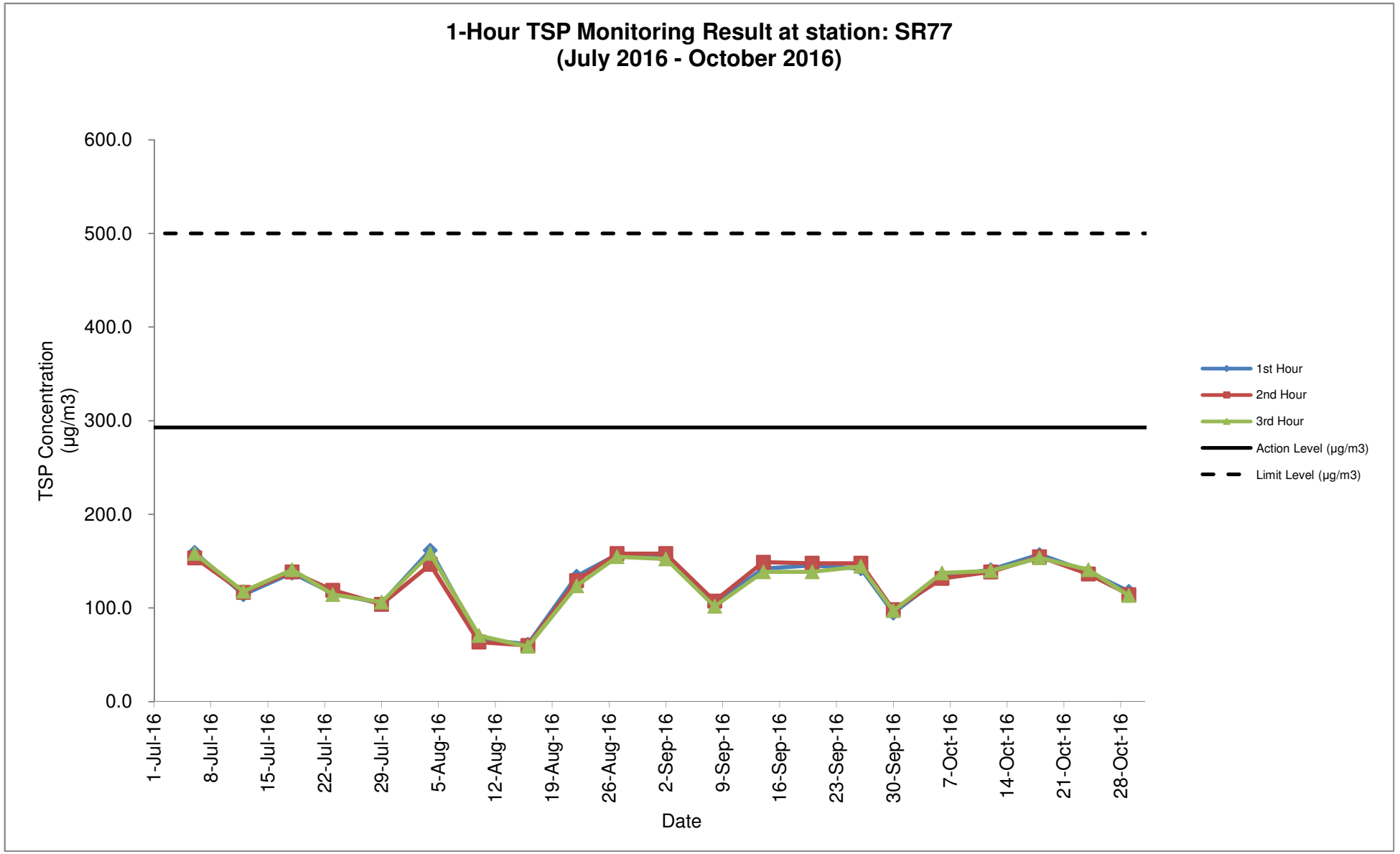
Appendix E
Air Quality Monitoring Results and their Graphical Presentation

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		
6-Jul-16	Rainy	9:00	-	12:07	159.3	153.5	158.1	292.7	500.0
12-Jul-16	Cloudy	9:00	-	12:07	114.3	116.6	117.7	292.7	500.0
18-Jul-16	Sunny	9:00	-	12:07	137.3	138.5	140.8	292.7	500.0
23-Jul-16	Sunny	9:00	-	12:07	115.4	118.9	114.3	292.7	500.0
29-Jul-16	Sunny	9:00	-	12:06	105.0	103.9	106.2	292.7	500.0
4-Aug-16	Rainy	9:00	-	12:07	161.6	146.6	158.1	292.7	500.0
10-Aug-16	Rainy	9:00	-	12:08	66.9	63.5	70.4	292.7	500.0
16-Aug-16	Rainy	9:00	-	12:07	61.2	60.0	58.9	292.7	500.0
22-Aug-16	Sunny	9:00	-	12:09	133.9	129.3	123.5	292.7	500.0
27-Aug-16	Sunny	9:00	-	12:08	157.0	158.1	154.6	292.7	500.0
2-Sep-16	Rainy	9:00	-	12:07	154.6	158.1	152.3	292.7	500.0
8-Sep-16	Cloudy	9:00	-	12:08	105.0	107.3	101.6	292.7	500.0
14-Sep-16	Sunny	9:00	-	12:08	142.0	148.9	138.5	292.7	500.0
20-Sep-16	Fine	9:00	-	12:09	145.4	147.7	138.5	292.7	500.0
26-Sep-16	Fine	9:00	-	12:08	142.0	147.7	144.3	292.7	500.0
30-Sep-16	Fine	9:00	-	12:08	94.6	98.1	96.9	292.7	500.0
6-Oct-16	Fine	9:00	-	12:07	133.9	131.6	137.3	292.7	500.0
12-Oct-16	Sunny	9:00	-	12:06	140.8	138.5	139.6	292.7	500.0
18-Oct-16	Rainy	9:00	-	12:07	157.0	154.6	153.5	292.7	500.0
24-Oct-16	Sunny	9:00	-	12:06	138.5	136.2	140.8	292.7	500.0
29-Oct-16	Fine	9:00	-	12:06	117.7	114.3	113.1	292.7	500.0

Summary For the Reporting Quarter (August 2016 - October 2016)	
Average	127.4
Minimum	58.9
Maximum	161.6

Note: No major dust source observed during the monitoring period


1-Hour TSP Monitoring Result at station: SR77
(July 2016 - October 2016)
TSP Concentration (µg/m3)
600.0
500.0
400.0
300.0
200.0
100.0
0.0
1-Jul-16
8-Jul-16
15-Jul-16
22-Jul-16
29-Jul-16
5-Aug-16
12-Aug-16
19-Aug-16
26-Aug-16
2-Sep-16
9-Sep-16
16-Sep-16
23-Sep-16
30-Sep-16
7-Oct-16
14-Oct-16
21-Oct-16
28-Oct-16
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)				
2016/07/06	Cloudy	11:30	12:00	86.0	53.5	61.5	-	67.8	75.0	N
2016/07/12	Cloudy	11:00	11:30	85.0	55.0	64.0	-	67.8	75.0	N
2016/07/18	Sunny	11:30	12:00	86.5	54.5	63.5	-	67.8	75.0	N
2016/07/29	Sunny	13:00	13:30	88.5	61.5	64.0	-	67.8	75.0	N
2016/08/05	Fine	13:30	14:00	90.5	61.5	66.0	-	67.8	75.0	N
2016/08/10	Cloudy	14:00	14:30	91.0	61.5	63.5	-	67.8	75.0	N
2016/08/16	Rainy	14:00	14:30	90.0	56.5	64.5	-	67.8	75.0	N
2016/08/22	Sunny	13:30	14:00	88.5	57.0	65.5	-	67.8	75.0	N
2016/09/02	Cloudy	14:00	14:30	91.0	62.0	65.5	-	67.8	75.0	N
2016/09/08	Cloudy	13:30	14:00	88.5	62.0	64.5	-	67.8	75.0	N
2016/09/14	Sunny	14:00	14:30	93.0	57.0	66.5	-	67.8	75.0	N
2016/09/20	Fine	13:30	14:00	94.0	61.5	63.5	-	67.8	75.0	N
2016/09/26	Fine	13:30	14:00	88.0	63.0	66.0	-	67.8	75.0	N
2016/10/06	Fine	13:30	14:00	85.0	63.0	67.0	-	67.8	75.0	N
2016/10/12	Sunny	11:30	12:00	91.0	63.0	68.0	-	67.8	75.0	N
2016/10/20	Fine	10:30	11:00	86.5	62.0	68.5	-	67.8	75.0	N
2016/10/24	Sunny	11:30	12:00	88.0	62.5	67.0	-	67.8	75.0	N

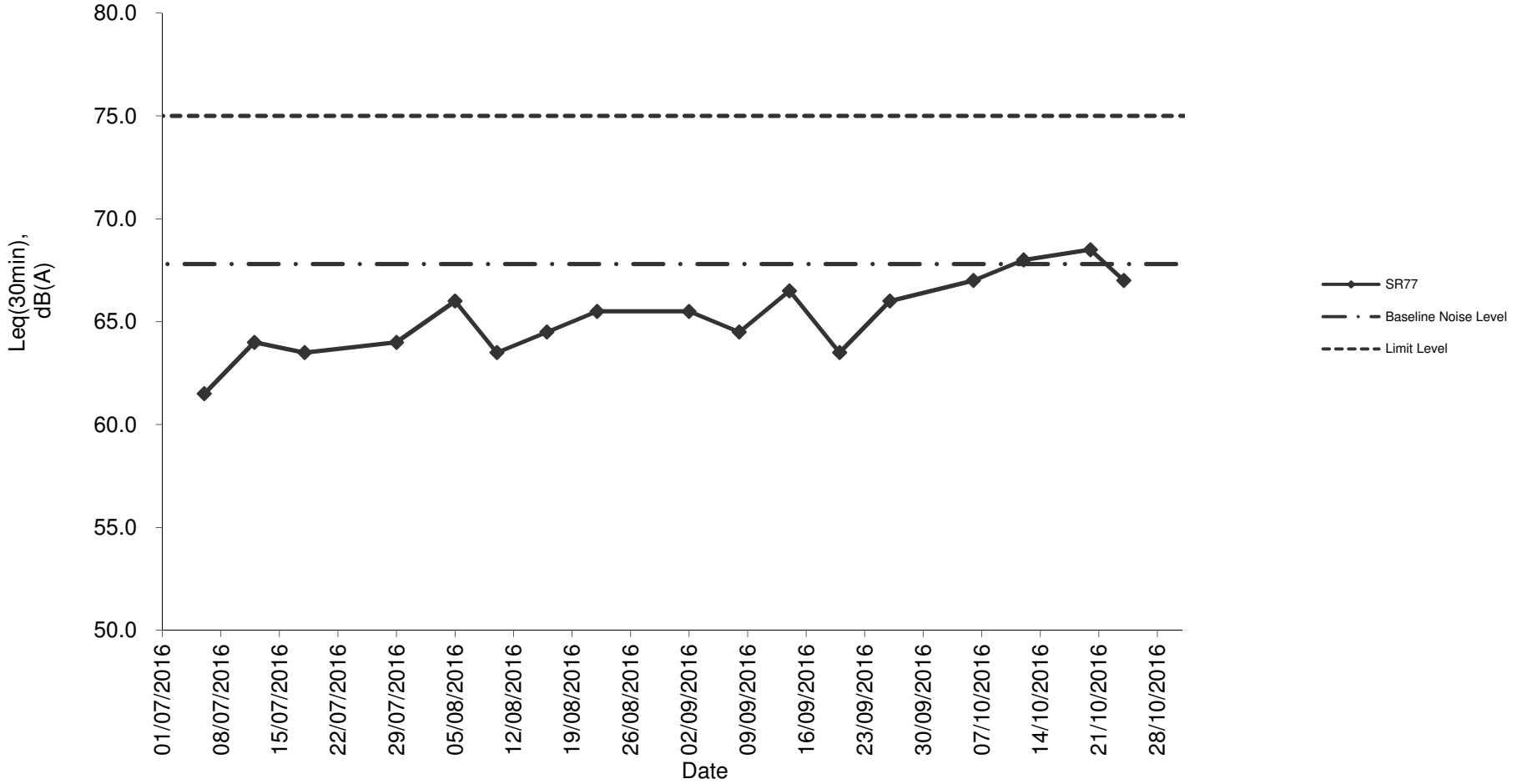
Summary For the Reporting Quarter (August 2016 - October 2016)	
Average	65.8
Minimum	63.5
Maximum	68.5

Remarks

* +3dB(A) Façade effect correction included

** Baseline corrected level is only calculated when measured noise level (Leq) > limit level.

Noise monitoring result: SR77
(July 2016 - October 2016)



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)
Aug-16	0.582	0.088	0.494	-	-	0.494	0.715	-	-	0.001	-	0.105
Sep-16	1.797	0.604	1.193	0.258	-	0.935	0.038	0.001	-	0.002	-	0.090
Oct-16	1.115	0.485	0.630	0.177	-	0.453	0.395	-	-	0.002	0.800	0.120
Total	3.494	1.177	2.317	0.435	-	1.882	1.148	0.001	-	0.005	0.800	0.315

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

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					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.	

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