

**Temporary Sewage Pumping Station  
Ancillary to Tung Chung Area 56 Public Housing Development**

**Monthly Environmental Audit Report No. 24  
(Covering the Period from 1 October 2016 to 31 October 2016)**

16 November 2016

Revision 00

Main Contractor



Independent Checker

**ATKINS**



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## **Executive Summary**

This monthly Environmental Audit Report is prepared for Temporary Sewage Pumping Station Ancillary to Tung Chung Area 56 Public Housing Development (hereafter referred to as “the Project”) for the Hong Kong Housing Authority (HA) of Hong Kong Special Administrative Region. The Project was awarded to Hsin Chong Construction Company Ltd. (hereafter referred to as “the Contractor”) and Atkins China Limited was appointed as the Independent Checker (IC) by the Contractor.

The Project is classified as a “Designated Project”, under Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO) (Cap 499). A Project Profile (Register No. PP-481/2013) was submitted for direct application of an Environmental Permit (EP) for the Project. The current EP (EP No: EP-452/2013) was issued on 6 June 2013. These documents are available through the EIA Ordinance Register. Site preparation works of the Project started on 14 November 2014 and the construction works of the Project commenced on 19 November 2014.

This is the twenty-fourth monthly Environmental Audit Report for the Project which summaries the audit findings during the reporting period from 1 to 31 October 2016.

## **Complaint Log**

There were no environmental complaints received during the reporting period.

## **Notifications of Summons and Successful Prosecutions**

There were no notifications of summons or prosecutions received during this reporting period.

## **Future Key Issues**

The future key issues include potential noise impact, air quality impact, water quality impact and waste management arising from the following construction activity to be undertaken in the upcoming month:

- Plant and Mechanical & Electrical Installation of the TSPS; and
- Waterproofing.



## 1 INTRODUCTION

### 1.1 Basic Project Information

- 1.1.1 This monthly Environmental Audit Report is prepared for Temporary Sewage Pumping Station Ancillary to Tung Chung Area 56 (hereafter referred to as “the Project”) for the Hong Kong Housing Authority (HA) of Hong Kong Special Administrative Region. The Project was awarded to Hsin Chong Construction Company Ltd. (hereafter referred to as “the Contractor”) and Atkins China Limited was appointed as the Independent Checker (IC) by the Contractor.
- 1.1.2 The Project is classified as a “Designated Project”, under Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO) (Cap 499). A Project Profile (Register No. PP-481/2013) was submitted for direct application of Environmental Permit (EP). The current EP (EP No: EP-452/2013) was issued on 6 June 2013. These documents are available through the EIA Ordinance Register. Site preparation works of the Project started on 14 November 2014 and the construction works of the Project commenced on 19 November 2014. The works areas of the Project and the Contract are shown in **Appendix A**.
- 1.1.3 A Temporary Sewage Pumping Station (TSPS) was proposed as an ancillary facility to the proposed Tung Chung Area 56 Public Housing Development, to collect the sewage solely from the Tung Chung Area 56 Public Housing Development only and discharge it to the existing public sewer at Ying Hei Road.
- 1.1.4 The proposed TSPS is an un-manned facility and is not considered as a sensitive use susceptible to the influence of to external potential environmentally polluting uses.
- 1.1.5 According to the Planning Department’s Tung Chung Town Centre Area Layout Plan No. L/I-TCTC/1E, a permanent sewage pumping station (SPS) will be provided in the Tung Chung Area 104 located to the northeast of the Tung Chung Area 56. Upon the intake of the population of Tung Chung Area 56 Public Housing Development, the TSPS is expected to provide a few years of service to the public housing development. Upon the commissioning of the permanent sewage pumping station in Tung Chung Area 104, sewage generated in Tung Chung Area 56 public housing development will be conveyed to SPS in Tung Chung Area 104 and the operation of the TSPS in Area 56 will be terminated. The infrastructure works including permanent foul water pipes and manhole to the permanent SPS in Tung Chung Area 104 is scheduled to be provided during the construction period of the Tung Chung Area 56 public housing development for ease of future transition operations. Thus the TSPS in Area 56 is of temporary nature.
- 1.1.6 This is the twenty-fourth monthly Environmental Audit Report for the Project which summaries the audit findings during the reporting period from 1 to 31 October 2016.



## 1.2 Project Organisation

1.2.1 The project organization structure and lines of communication with respect to the on-site environmental management structure is shown in **Appendix B**. The key personnel contact names and numbers are summarized in **Table 1.1**.

**Table 1.1 Contact Information of Key Personnel**

Party	Position	Name	Telephone	Fax
Engineer or Engineer's Representative (Hong Kong Housing Authority)	Civil Engineer	Rachel Fung	2129 3709	2129 3095
Contractor (Hsin Chong Construction Company Ltd.)	Site Agent	Ivan Ho	9383 8280	3480 1791
	Environmental Manager	Ryan Wong	6198 0730	
	Environmental Supervisor	Yolanda Gao	5399 3509	
Independent Checker (Atkins China Limited)	Independent Checker	Ray Cheng	2972 1614	2890 6343

## 1.3 Construction Programme

1.3.1 A copy of the Contractor's construction programme is provided in **Appendix C**.

## 1.4 Construction Works Undertaken During the Reporting Period

1.4.1 A summary of the construction activities undertaken during the reporting period is shown below:

- Plant and Mechanical & Electrical Installation of the TSPS; and
- Waterproofing.



## 2 ENVIRONMENTAL SITE AUDIT

### 2.1 Site Inspection

- 2.1.1 Site Inspections were carried out on a weekly basis to monitor the implementation of proper environmental protection and pollution control mitigation measures for the Project. During the reporting period, site inspections were carried out on 4, 11, 18 and 27 October 2016.
- 2.1.2 Observations raised during the site inspections and the follow up actions taken by the Contractor are described below.

Date of Inspection	Observation	Actions Taken by Contractor / Recommendation	Date of Observations Closed
4 October 2016	No observation was made during this inspection.	Nil	Nil
11 October 2016	No observation was made during this inspection.	Nil	Nil
18 October 2016	No observation was made during this inspection.	Nil	Nil
27 October 2016	No observation was made during this inspection.	Nil	Nil

- 2.1.3 The Contractor has rectified all observation as identified during environmental site inspections during the reporting month. The Contractor has carried out mitigation measures recommended in the Project Profile and EP.

### 2.2 Advice on the Solid and Liquid Waste Management Status

- 2.2.1 The Contractor registered as a chemical waste producer for the Project. Sufficient numbers of receptacles were available for general refuse collection and sorting.
- 2.2.2 The monthly summary of waste flow table is detailed in **Appendix D**.
- 2.2.3 The Contractor was reminded to store the chemical waste containers properly on site in accordance with the Code of Practise on the Packaging, Labelling and Storage of Chemical Wastes.

### 2.3 Environmental Licenses and Permits

- 2.3.1 The valid environmental licenses and permits during the reporting period are summarized in **Appendix E**.



## 2.4 Implementation Status of Environmental Mitigation Measures

- 2.4.1 The Contractor has carried out mitigation measures recommended in the Project Profile and EP.

## 2.5 Summary of Complaints, Notification of Summons and Successful Prosecution

- 2.5.1 There were no complaints received during the reporting period.
- 2.5.2 No notification of summons and prosecution was received during the reporting period.
- 2.5.3 Statistics on environmental complaints, notifications of summons and successful prosecutions are summarized in **Appendix F**.





### 3 FUTURE KEY ISSUES

#### 3.1 Construction Programme for the Coming Months

3.1.1 According to the Contractor, the major construction activity for November 2016 includes:

- Plant and Mechanical & Electrical Installation of the TSPS; and
- Waterproofing.

#### 3.2 Environmental Site Inspection Schedule for the Coming Month

3.2.1 The tentative schedule for weekly site inspections for November 2016 is 1, 9, 15, 22 and 29 November 2016.



## 4 CONCLUSION

### 4.1 Conclusions

- 4.1.1 Site preparation works of the Project started on 14 November 2014 and the construction works of the Project commenced on 19 November 2014.
- 4.1.2 The weekly site inspections were carried out on 4, 11, 18 and 27 October 2016. The Contractor has rectified all observation as identified during environmental site inspections during the reporting month. The Contractors has carried out mitigation measures recommended in the Project Profile and Environmental Permit.
- 4.1.3 There were no environmental complaints received during the reporting period.
- 4.1.4 No notification of summons and successful prosecution were received during the reporting period.



## **APPENDIX A**

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### Location of the Project and the Contract



0 50 100 150 Meters

Tung Chung Bay

TEMPORARY SEWAGE PUMPING STATION

Area 104

Area 89

Tung Chung Area 56




Area 55b

Ying Hei Road

North Lantau Expressway

Man Tung Road

**LEGEND**

-  Temporary Sewage Pumping Station
-  Site Boundary of Tung Chung Area 56 Public Housing Development
-  500 m from Temporary Sewage Pumping Station

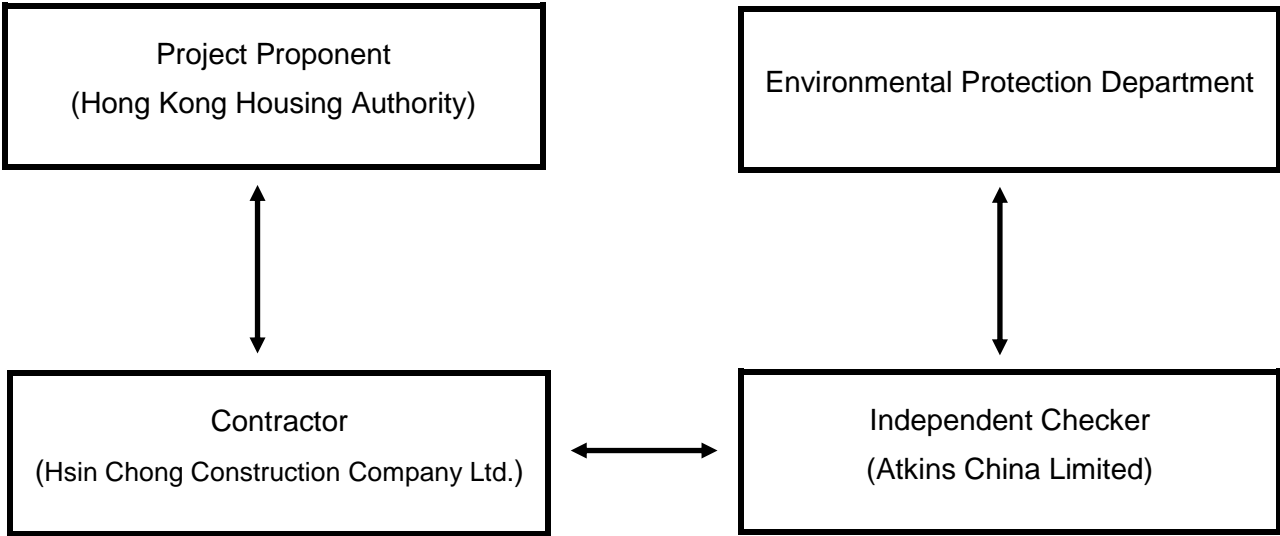


## **APPENDIX B**

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### Project Organization for Environmental Works

# Project Organization for Environmental Works





## **APPENDIX C**

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### Construction Programme

**Construction of Public Rental Housing Development at Tung Chung Area 56**

ID	Task Name	Start	Finish	Duration	2014				2015				2016				2017							
					1st Quarter		3rd Quarter		1st Quarter		3rd Quarter		1st Quarter		3rd Quarter		1st Qu							
					Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan
1	<b>Construct Particulars</b>	<b>Dec 18 '13</b>	<b>Jan 27 '17</b>	<b>844 days</b>																				
2	Contract commencement of all sections of works	Dec 18 '13	Dec 18 '13	0 days																				
3	Possession of Site	Dec 18 '13	Dec 18 '13	0 days																				
4	Original Project Completion Date	Aug 17 '16	Aug 17 '16	0 days																				
5	<b>Extended Project Completion Date with Granted EOT (Up to 17 Aug 2016)</b>	<b>Nov 25 '16</b>	<b>Dec 22 '16</b>	<b>23 days</b>																				
6	Section 1	Dec 19 '16	Dec 19 '16	0 days																				
7	Section 2	Dec 17 '16	Dec 17 '16	0 days																				
8	Section 3	Dec 21 '16	Dec 21 '16	0 days																				
9	Section 4	Dec 22 '16	Dec 22 '16	0 days																				
10	Section 5 - Section 9	Nov 25 '16	Nov 25 '16	0 days																				
11	Anticipated completion Date	Jan 27 '17	Jan 27 '17	0 days																				
12	<b>Preliminaries</b>	<b>Dec 18 '13</b>	<b>Jan 2 '17</b>	<b>826 days</b>																				
13	<b>Site Establishment</b>	<b>Dec 18 '13</b>	<b>Jan 2 '17</b>	<b>826 days</b>																				
14	Mobilization and Temp Power / Water Supply Setup	Dec 18 '13	Jan 17 '14	30 edays																				
15	Installation of Temp TxRm & Temp Elect Connection	Jan 2 '14	Apr 2 '14	90 edays																				
16	Setup Temporary Container Site Office	Dec 18 '13	Dec 25 '13	7 edays																				
17	Design Drawing and Calculation of Site Office to CM Approval	Dec 27 '13	Feb 22 '14	45 edays																				
18	Setup Site Office	Feb 22 '14	Apr 23 '14	60 edays																				
19	Setup of Curing Rooms & STC Office	Dec 18 '13	Jan 17 '14	30 edays																				
20	Preconstruction condition survey	Dec 18 '13	Jan 17 '14	30 edays																				
21	Submit Method Statement for New Covered Walk for CM Approval	Dec 24 '13	Feb 21 '14	45 edays																				
22	New Covered Walkway erection along the Northern Boundary	Feb 22 '14	Oct 25 '14	180 edays																				
23	Correctness Survey of Previous Works	Dec 18 '13	Dec 25 '13	7 edays																				
24	Submission & Approval of Method Statement of Tower Crane 1st Setup (Block 1, 3 & 4)	Dec 19 '13	Feb 17 '14	60 edays																				
25	Erection of Tower Cranes (Block 1, 3 and 4)	Feb 17 '14	Mar 29 '14	40 edays																				
26	Footing for Tower Cranes (Block 2)	Mar 25 '14	Apr 14 '14	13 days																				
27	Erection of Tower Cranes (Block 2)	Apr 15 '14	May 5 '14	14 days																				
28	Dismantling of Tower Cranes (Block 1)	Aug 19 '16	Aug 26 '16	7 days																				
29	Dismantling of Tower Cranes (Block 2)	May 26 '16	Jun 3 '16	7 days																				
30	Dismantling of Tower Cranes (Block 3)	Aug 27 '16	Sep 3 '16	7 days																				
31	Dismantling of Tower Cranes (Block 4)	Sep 5 '16	Sep 12 '16	7 days																				
32	1st Erection of Material Hoists Starting from Ground Level (Block 1)	Feb 14 '15	Mar 28 '15	32 days																				
33	1st Erection of Material Hoists Starting from Ground Level (Block 2)	Mar 26 '15	Apr 15 '15	14 days																				
34	1st Erection of Material Hoists Starting from Ground Level (Block 3)	Mar 30 '15	Apr 18 '15	14 days																				
35	1st Erection of Material Hoists Starting from Ground Level (Block 4)	Feb 28 '15	Mar 30 '15	26 days																				
36	Dismantling of Material Hoists (Block 1 - 4)	Sep 13 '16	Oct 19 '16	28 days																				
37	1st Erection of Passenger Hoists (Block 1 - 4)	Apr 10 '15	Jul 4 '15	62 days																				
38	Dismantling of Passenger Hoists	Nov 18 '16	Dec 3 '16	14 days																				
39	1st Erection of Temporary Refuse Chutes (Block 1 - 4)	Mar 7 '15	Apr 15 '15	30 days																				
40	Dismantling of Temporary Refuse Chutes	Aug 23 '16	Sep 23 '16	26 days																				
41	Dismantle of Temp. Tx. Room (after notification from CLP)	Nov 24 '16	Dec 1 '16	7 days																				
42	Latest dismantle of Scaffold for Annex Building	Dec 1 '16	Dec 19 '16	16 days																				
43	Erection of Mid-way Gondola for Block 1, 3 and 4	Oct 8 '15	Oct 24 '15	14 days																				
44	1st Erection of Gondola at Roof for Block 2	Feb 27 '16	May 20 '16	60 days																				
45	Erection of Gondola at Roof for Block 1, 3 and 4 (High Zone)	Feb 6 '16	Mar 9 '16	24 days																				
46	Dismantle of Gondola (Block 1 - 4)	Dec 15 '16	Jan 2 '17	14 days																				
47	<b>Relocation of Site Office</b>	<b>Aug 24 '15</b>	<b>Sep 10 '15</b>	<b>14 days</b>																				
48	To 2/F of Block 2 for HA	Sep 1 '15	Sep 10 '15	7 days																				
49	To 1/F of Block 2 for HCC	Aug 24 '15	Aug 31 '15	7 days																				
50	<b>Submission of Technical Document</b>	<b>Dec 18 '13</b>	<b>Aug 20 '16</b>	<b>716 days</b>																				
222	<b>Section 1 - Section 4 (Blk 1 to Blk 4)</b>	<b>Jan 9 '14</b>	<b>Jan 25 '17</b>	<b>827 days</b>																				



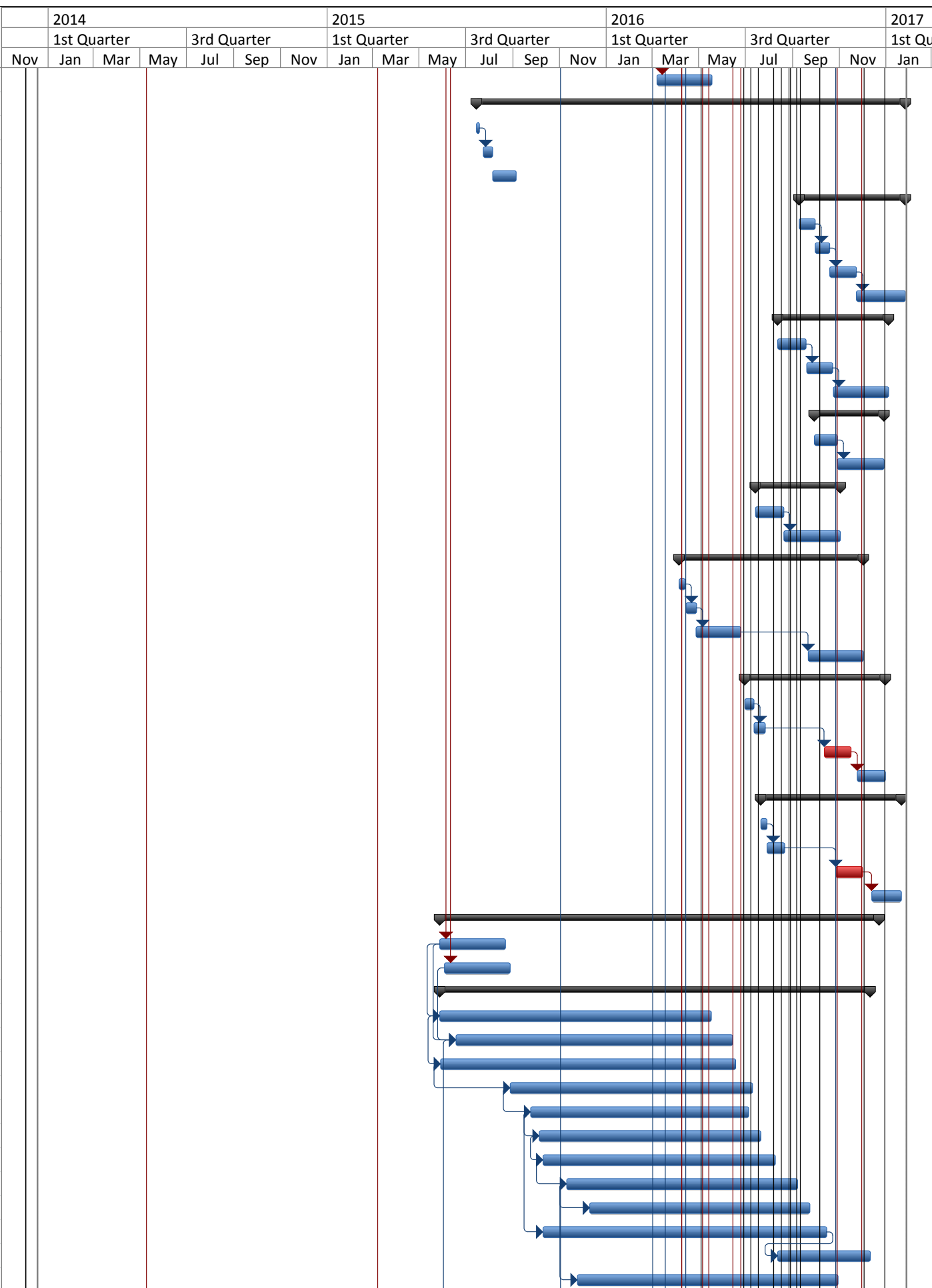
**Construction of Public Rental Housing Development at Tung Chung Area 56**

ID	Task Name	Start	Finish	Duration	2014				2015				2016				2017										
					1st Quarter		3rd Quarter		1st Quarter		3rd Quarter		1st Quarter		3rd Quarter		1st Qu										
					Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan			
223	Timber Mock Up for the Kitchen & VPB & Approval	Feb 15 '14	Jul 31 '14	123 days																							
224	<b>Precast Element Fabrication</b>	<b>Mar 24 '14</b>	<b>Sep 26 '15</b>	<b>408 days</b>																							
225	Steel Mould Fabrication	Mar 24 '14	Nov 20 '14	177 days																							
226	Fabrication of Mock-up Precast Elements	Jun 6 '14	Jul 5 '14	21 days																							
227	Study Mock Up for the VPB & Trial Panel and Approval	Jul 7 '14	Nov 5 '14	90 days																							
228	Mass Production of Precast Elements	Oct 30 '14	Sep 26 '15	250 days																							
229	1st Delivery of P.C. Elements	Nov 1 '14	Nov 1 '14	0 days																							
230	Latest issuance date of R.C. details R/F slab & UR/F	Jun 17 '14	Jun 17 '14	0 days																							
231	<b>RC Structure</b>	<b>Jan 9 '14</b>	<b>Jan 25 '17</b>	<b>827 days</b>																							
232	<b>Domestic Blocks</b>	<b>Jan 9 '14</b>	<b>Jun 18 '16</b>	<b>660 days</b>																							
233	<b>Block 1</b>	<b>Jan 9 '14</b>	<b>Jun 13 '16</b>	<b>655 days</b>																							
234	Pile Cap - G/F (Slab)	Jan 9 '14	Jun 10 '14	116 days																							
235	Under Ground Drainage and Tanking	Feb 15 '14	May 7 '14	60 days																							
236	Water Test for Drainage Works	Mar 28 '14	May 13 '14	30 days																							
237	Construction of Precast Water Tank	Apr 26 '14	Jun 6 '14	33 days																							
238	Installation of P.C. Water Tank	Sep 1 '14	Sep 13 '14	10 days																							
239	G/F - 1/F slab	May 26 '14	Sep 19 '14	82 days																							
240	1/F - Level 16.75 (Transfer Structure)	Aug 9 '14	Nov 13 '14	74 days																							
241	Level 16.75 - 2/F slab	Oct 31 '14	Dec 3 '14	29 days																							
242	2/F to 3/F Slab	Nov 26 '14	Jan 19 '15	43 days																							
243	3/F to 4/F Slab	Jan 9 '15	Feb 13 '15	30 days																							
244	4/F to 5/F Slab	Feb 4 '15	Mar 10 '15	25 days																							
245	5/F to 6/F Slab	Mar 7 '15	Mar 30 '15	20 days																							
246	6/F to 7/F Slab	Mar 27 '15	Apr 17 '15	15 days																							
247	7/F to 8/F Slab	Apr 15 '15	Apr 30 '15	14 days																							
248	8/F to 9/F Slab	May 6 '15	May 27 '15	14 days																							
249	<b>9/F to 39/F (30 Floors x 6 days cycle) details shown in 90days programme</b>	<b>May 21 '15</b>	<b>Feb 4 '16</b>	<b>192 days</b>																							
280	39/F - Main Roof slab	Feb 2 '16	Feb 24 '16	16 days																							
281	<b>Main Roof - LMR - Upper Roof (Detailed Programmed to be Submitted Separately)</b>	<b>Feb 20 '16</b>	<b>Jun 13 '16</b>	<b>79 days</b>																							
282	Parapet Wall	Feb 22 '16	Apr 15 '16	40 days																							
283	Lift Machine Room	Feb 20 '16	Apr 27 '16	50 days																							
284	Water Tank	Feb 20 '16	Jun 13 '16	79 days																							
285	Generator Room	Feb 25 '16	May 4 '16	50 days																							
286	<b>Block 2</b>	<b>Jan 9 '14</b>	<b>May 16 '16</b>	<b>638 days</b>																							
287	Pile Cap - G/F (Slab)	Jan 9 '14	Jun 10 '14	116 days																							
288	Under Ground Drainage and Tanking	Feb 15 '14	May 7 '14	60 days																							
289	Water Test for Drainage Works	Mar 28 '14	May 13 '14	30 days																							
290	Construction of Precast Water Tank	Apr 26 '14	Jun 6 '14	33 days																							
291	Installation of P.C. Water Tank	Aug 27 '14	Sep 6 '14	10 days																							
292	G/F - 1/F slab	May 29 '14	Sep 13 '14	75 days																							
293	1/F - 2/F slab	Sep 3 '14	Nov 7 '14	52 days																							
294	2/F - Level 22.10 (Transfer Structure)	Nov 6 '14	Feb 6 '15	76 days																							
295	Level 22.10 - 3/F slab	Jan 27 '15	Feb 25 '15	21 days																							
296	3/F to 4/F Slab	Feb 13 '15	Mar 25 '15	30 days																							
297	4/F to 5/F Slab	Mar 17 '15	Apr 13 '15	20 days																							
298	5/F to 6/F Slab	Apr 1 '15	Apr 21 '15	14 days																							
299	6/F to 7/F Slab	Apr 18 '15	May 2 '15	12 days																							
300	7/F to 8/F Slab	Apr 29 '15	May 12 '15	10 days																							
301	8/F to 9/F Slab	May 13 '15	May 28 '15	10 days																							
302	9/F to 10/F Slab	May 22 '15	Jun 4 '15	9 days																							
303	<b>10/F to 37/F (27 Floors x 6 days cycle) details shown in 90 days programme</b>	<b>Jun 2 '15</b>	<b>Jan 20 '16</b>	<b>172 days</b>																							

**Construction of Public Rental Housing Development at Tung Chung Area 56**

ID	Task Name	Start	Finish	Duration	2014				2015				2016				2017								
					1st Quarter		3rd Quarter		1st Quarter		3rd Quarter		1st Quarter		3rd Quarter		1st Qu								
					Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan							
331	37/F - Main Roof slab	Jan 16 '16	Feb 18 '16	25 days																					
332	<b>Main Roof - LMR - Upper Roof (Detailed Programmed to be Submitted Separately)</b>	<b>Feb 15 '16</b>	<b>May 16 '16</b>	<b>67 days</b>																					
333	Parapet Wall	Feb 16 '16	Apr 8 '16	40 days																					
334	Lift Machine Room	Feb 15 '16	May 5 '16	60 days																					
335	Water Tank	Feb 17 '16	May 16 '16	65 days																					
336	Generator Room	Feb 19 '16	May 11 '16	60 days																					
337	<b>Block 3</b>	<b>Jan 9 '14</b>	<b>Jun 18 '16</b>	<b>660 days</b>																					
338	Pile Cap - G/F (Slab)	Jan 9 '14	Jun 10 '14	116 days																					
339	Under Ground Drainage and Tanking	Feb 15 '14	May 7 '14	60 days																					
340	Water Test for Drainage Works	Mar 28 '14	May 13 '14	30 days																					
341	Construction of Precast Water Tank	Apr 26 '14	Jun 6 '14	33 days																					
342	Installation of P.C. Water Tank	Aug 28 '14	Sep 8 '14	10 days																					
343	G/F - 1/F slab	May 31 '14	Sep 15 '14	74 days																					
344	1/F - Level 16.30 (Transfer Structure)	Sep 2 '14	Dec 30 '14	96 days																					
345	Level 16.30 - 2/F slab	Dec 17 '14	Jan 24 '15	30 days																					
346	2/F to 3/F Slab	Jan 16 '15	Mar 9 '15	40 days																					
347	3/F to 4/F Slab	Mar 6 '15	Mar 28 '15	20 days																					
348	4/F to 5/F Slab	Mar 26 '15	Apr 22 '15	20 days																					
349	5/F to 6/F Slab	Apr 20 '15	May 4 '15	12 days																					
350	6/F to 7/F Slab	Apr 29 '15	May 14 '15	12 days																					
351	7/F to 8/F Slab	May 12 '15	May 29 '15	12 days																					
352	8/F to 9/F Slab	May 30 '15	Jun 10 '15	10 days																					
353	<b>9/F to 39/F (30 Floors x 6 days cycle) details shown in 90days programme</b>	<b>Jun 8 '15</b>	<b>Feb 20 '16</b>	<b>190 days</b>																					
384	39/F - Main Roof slab	Feb 18 '16	Mar 4 '16	14 days																					
385	<b>Main Roof - LMR - Upper Roof (Detailed Programmed to be Submitted Separately)</b>	<b>Mar 2 '16</b>	<b>Jun 18 '16</b>	<b>75 days</b>																					
386	Parapet Wall	Mar 2 '16	Apr 26 '16	40 days																					
387	Lift Machine Room	Mar 2 '16	May 11 '16	50 days																					
388	Water Tank	Mar 2 '16	Jun 18 '16	75 days																					
389	Generator Room	Mar 5 '16	May 16 '16	50 days																					
390	<b>Block 4</b>	<b>Jan 9 '14</b>	<b>Jun 16 '16</b>	<b>658 days</b>																					
391	Pile Cap - G/F (Slab)	Jan 9 '14	Jun 10 '14	116 days																					
392	Under Ground Drainage and Tanking	Feb 15 '14	May 7 '14	60 days																					
393	Water Test for Drainage Works	Mar 28 '14	May 13 '14	30 days																					
394	Construction of Precast Water Tank	Apr 26 '14	Jun 6 '14	33 days																					
395	Installation of P.C. Water Tank	Aug 2 '14	Aug 18 '14	10 days																					
396	G/F - 1/F slab	May 31 '14	Aug 25 '14	58 days																					
397	1/F - Level 16.75 (Transfer Structure)	Aug 4 '14	Nov 21 '14	84 days																					
398	Level 16.75 - 2/F slab	Nov 1 '14	Dec 15 '14	38 days																					
399	2/F to 3/F Slab	Dec 8 '14	Jan 31 '15	44 days																					
400	3/F to 4/F Slab	Jan 22 '15	Feb 27 '15	27 days																					
401	4/F to 5/F Slab	Feb 18 '15	Mar 24 '15	25 days																					
402	5/F to 6/F Slab	Mar 21 '15	Apr 17 '15	20 days																					
403	6/F to 7/F Slab	Apr 15 '15	May 2 '15	15 days																					
404	7/F to 8/F Slab	Apr 29 '15	May 18 '15	15 days																					
405	8/F to 9/F Slab	May 14 '15	Jun 2 '15	13 days																					
406	<b>9/F to 40/F (31 Floors x 6 days cycle) details shown in 90 days programme</b>	<b>May 30 '15</b>	<b>Feb 20 '16</b>	<b>197 days</b>																					
438	40/F - Main Roof slab	Feb 18 '16	Mar 5 '16	15 days																					
439	<b>Main Roof - LMR - Upper Roof (Detailed Programmed to be Submitted Separately)</b>	<b>Mar 3 '16</b>	<b>Jun 16 '16</b>	<b>72 days</b>																					
440	Parapet Wall	Mar 3 '16	Apr 27 '16	40 days																					
441	Lift Machine Room	Mar 3 '16	May 12 '16	50 days																					
442	Water Tank	Mar 3 '16	Jun 16 '16	72 days																					

**Construction of Public Rental Housing Development at Tung Chung Area 56**

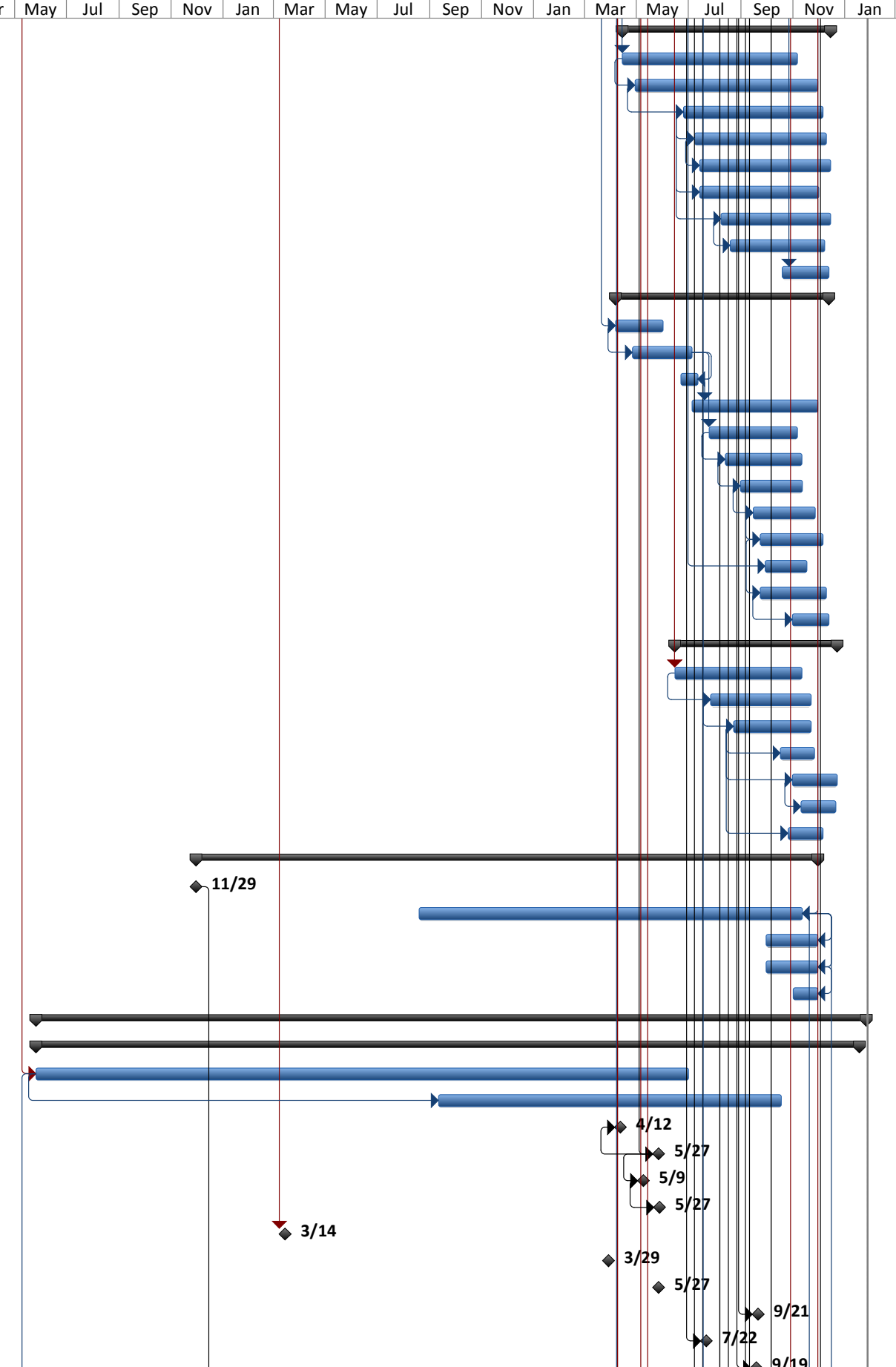
ID	Task Name	Start	Finish	Duration	2014				2015				2016				2017											
					1st Quarter		3rd Quarter		1st Quarter		3rd Quarter		1st Quarter		3rd Quarter		1st Qu											
					Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan										
																												
443	Generator Room	Mar 7 '16	May 17 '16	50 days																								
444	<b>Link Decks</b>	<b>Jul 15 '15</b>	<b>Jan 25 '17</b>	<b>415 days</b>																								
445	Submit SSP	Jul 15 '15	Jul 19 '15	4 edays																								
446	Submit & Approve Method Statement for Footing Construction	Jul 24 '15	Aug 4 '15	10 days																								
447	Apply for CM's Permission for excavation & footing	Aug 5 '15	Sep 4 '15	22 days																								
448	<b>Link Decks No. 1</b>	<b>Sep 9 '16</b>	<b>Jan 25 '17</b>	<b>111 days</b>																								
449	Excavation for the footing	Sep 9 '16	Sep 29 '16	17 days																								
450	Footing construction	Sep 30 '16	Oct 18 '16	14 days																								
451	Link Decks Structure Construction	Oct 19 '16	Nov 22 '16	30 days																								
452	Link Decks Finishing Works	Nov 23 '16	Jan 25 '17	50 days																								
453	<b>Link Decks No. 2 and 3</b>	<b>Aug 12 '16</b>	<b>Jan 3 '17</b>	<b>116 days</b>																								
454	Link Decks Column	Aug 12 '16	Sep 17 '16	28 days																								
455	Link Decks Structure Construction	Sep 19 '16	Oct 22 '16	28 days																								
456	Link Decks Finishing Works	Oct 24 '16	Jan 3 '17	60 days																								
457	<b>Link Decks No.4</b>	<b>Sep 29 '16</b>	<b>Dec 28 '16</b>	<b>74 days</b>																								
458	Link Decks Structure Construction	Sep 29 '16	Oct 28 '16	24 days																								
459	Link Decks Finishing Works	Oct 29 '16	Dec 28 '16	50 days																								
460	<b>Link Decks No.5</b>	<b>Jul 14 '16</b>	<b>Nov 1 '16</b>	<b>84 days</b>																								
461	Link Decks Structure Construction	Jul 14 '16	Aug 19 '16	24 days																								
462	Link Decks Finishing Works	Aug 20 '16	Nov 1 '16	60 days																								
463	<b>Link Decks No. 6</b>	<b>Apr 5 '16</b>	<b>Dec 1 '16</b>	<b>177 days</b>																								
464	Excavation for the footing	Apr 5 '16	Apr 12 '16	7 days																								
465	Footing construction	Apr 14 '16	Apr 27 '16	11 days																								
466	Link Decks Structure Construction	Apr 27 '16	Jun 24 '16	40 days																								
467	Link Decks Finishing Works	Sep 21 '16	Dec 1 '16	60 days																								
468	<b>Link Decks No. 7</b>	<b>Jun 30 '16</b>	<b>Dec 30 '16</b>	<b>141 days</b>																								
469	Excavation for the footing	Jun 30 '16	Jul 11 '16	7 days																								
470	Footing construction	Jul 12 '16	Jul 26 '16	12 days																								
471	Link Decks Structure Construction	Oct 12 '16	Nov 15 '16	30 days																								
472	Link Decks Finishing Works	Nov 24 '16	Dec 30 '16	30 days																								
473	<b>Link Decks No. 8</b>	<b>Jul 21 '16</b>	<b>Jan 20 '17</b>	<b>143 days</b>																								
474	Excavation for the footing	Jul 21 '16	Jul 28 '16	7 days																								
475	Footing construction	Jul 29 '16	Aug 20 '16	12 days																								
476	Link Decks Structure Construction	Oct 27 '16	Nov 30 '16	30 days																								
477	Link Decks Finishing Works	Dec 13 '16	Jan 20 '17	30 days																								
478	<b>Finishing Works</b>	<b>May 28 '15</b>	<b>Dec 22 '16</b>	<b>425 days</b>																								
479	Sample Wing @ Blk 1	May 28 '15	Aug 21 '15	60 days																								
480	Sample Wing @ Blk 4	Jun 3 '15	Aug 27 '15	60 days																								
481	<b>Internal finishes for Flat Unit (Detailed Programmed to be Submitted Separately)</b>	<b>May 28 '15</b>	<b>Dec 10 '16</b>	<b>415 days</b>																								
482	Fair Face Formation	May 28 '15	May 16 '16	260 days																								
483	Door Subframe	Jun 18 '15	Jun 13 '16	260 days																								
484	Drywall	May 29 '15	Jun 17 '16	280 days																								
485	Window Frame	Aug 28 '15	Jul 9 '16	230 days																								
486	Door Kerb	Sep 24 '15	Jul 4 '16	205 days																								
487	Waterproofing (Kitchen)	Oct 5 '15	Jul 20 '16	211 days																								
488	Floor Screeding	Oct 10 '15	Aug 8 '16	221 days																								
489	Wall Tiling (Including Making Good of Concrete Surface)	Nov 10 '15	Sep 6 '16	215 days																								
490	Floor Tiling	Dec 10 '15	Sep 22 '16	203 days																								
491	Skim coat and Painting (except final paint)	Oct 10 '15	Oct 14 '16	270 days																								
492	Final Paint	Aug 12 '16	Dec 10 '16	98 days																								
493	P & D Pipework	Nov 24 '15	Oct 29 '16	246 days																								

**Construction of Public Rental Housing Development at Tung Chung Area 56**

ID	Task Name	Start	Finish	Duration	2014				2015				2016				2017								
					1st Quarter		3rd Quarter		1st Quarter		3rd Quarter		1st Quarter		3rd Quarter		1st Qu								
					Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan							
494	Door Set & Ironmongeries	Jul 16 '16	Oct 29 '16	80 days																					
495	Granite Threshold	Jul 27 '16	Nov 9 '16	80 days																					
496	Cooking Bench	Aug 13 '16	Nov 29 '16	87 days																					
497	Metal Gate Set	Jul 11 '16	Nov 17 '16	100 days																					
498	Sanitary Fittings	Aug 13 '16	Nov 21 '16	80 days																					
499	Mirror	Jul 22 '16	Nov 4 '16	80 days																					
500	Laundry Rack	Jul 22 '16	Nov 4 '16	80 days																					
501	Sealant Pointing	Jul 22 '16	Nov 21 '16	94 days																					
502	<b>Internal finishes for Common Area and Service Rooms</b>	<b>Jun 18 '15</b>	<b>Dec 22 '16</b>	<b>408 days</b>																					
503	Door Subframe	Jun 18 '15	Jun 13 '16	260 days																					
504	Blockwork	Jun 30 '15	Jun 21 '16	260 days																					
505	Metalwork	Oct 13 '15	Dec 12 '16	318 days																					
506	Door Kerb	Sep 10 '15	Apr 14 '16	164 days																					
507	Wall Backing & Fair Face Formation	Sep 1 '15	Jun 13 '16	209 days																					
508	Window Frame	Aug 27 '15	May 31 '16	207 days																					
509	Waterproofing	Oct 2 '15	Jun 17 '16	190 days																					
510	Floor Screeding	Oct 9 '15	Jun 23 '16	191 days																					
511	Wall Tiling	Feb 12 '16	Oct 11 '16	172 days																					
512	Floor Tiling	Dec 21 '15	Oct 18 '16	214 days																					
513	Skim Coat and Painting (Ceiling)	Sep 24 '15	Aug 19 '16	235 days																					
514	P & D Pipework	Oct 13 '15	Oct 31 '16	282 days																					
515	Spray Painting	Apr 25 '16	Oct 31 '16	135 days																					
516	Door Set & Ironmongeries	Jul 9 '16	Nov 10 '16	95 days																					
517	FRP Metal Door	Jul 29 '16	Nov 11 '16	80 days																					
518	Make Good and Spray Painting after Metal Door Installation	Nov 1 '16	Dec 22 '16	45 days																					
519	Signage	Jul 28 '16	Nov 26 '16	94 days																					
520	Sealant Pointing	Sep 10 '16	Dec 22 '16	86 days																					
521	<b>Roof Finishes</b>	<b>Jun 25 '16</b>	<b>Dec 17 '16</b>	<b>134 days</b>																					
522	Floor Screeding	Jun 25 '16	Aug 30 '16	43 days																					
523	Waterproofing	Aug 31 '16	Sep 30 '16	26 days																					
524	Water Tightness Test for Roof	Sep 30 '16	Oct 11 '16	8 days																					
525	Insulation and Screeding	Sep 3 '16	Oct 15 '16	34 days																					
526	Roof Tiling	Sep 3 '16	Oct 18 '16	36 days																					
527	Sealant Pointing	Oct 19 '16	Nov 15 '16	24 days																					
528	Metalwork	Oct 21 '16	Dec 17 '16	50 days																					
529	<b>External Wall Finishes (Typical Floor)</b>	<b>Oct 26 '15</b>	<b>Dec 14 '16</b>	<b>310 days</b>																					
530	<b>Block 1, 3 &amp; 4 - Low Zone (2/F - 20/F)</b>	<b>Oct 26 '15</b>	<b>Jul 14 '16</b>	<b>190 days</b>																					
531	Fair Face Formation	Oct 26 '15	Jun 2 '16	165 days																					
532	Water Tightness Test for Tie Bolt Holes	Nov 12 '15	Jun 25 '16	165 days																					
533	Spray Paint	Jan 16 '16	Jul 5 '16	120 days																					
534	P & D Pipework	Feb 20 '16	Jul 14 '16	100 days																					
535	<b>Block 1 &amp; 2</b>	<b>Mar 18 '16</b>	<b>Dec 12 '16</b>	<b>195 days</b>																					
536	Fair Face Formation	Mar 18 '16	Oct 22 '16	152 days																					
537	Water Tightness Test for Tie Bolt Holes	Apr 8 '16	Nov 15 '16	160 days																					
538	Spray Paint	Apr 16 '16	Nov 21 '16	159 days																					
539	P & D Pipework	Apr 25 '16	Nov 15 '16	148 days																					
540	Gas Pipework	May 18 '16	Nov 30 '16	145 days																					
541	Glazing Installation	Jun 18 '16	Nov 16 '16	113 days																					
542	Sealant Pointing	Jul 22 '16	Nov 30 '16	102 days																					
543	Water Tightness Test for Façade Joint and Windows	Jul 29 '16	Nov 23 '16	90 days																					
544	Finishing Works for External Wall after Material Hoist and Passenger Hoist Dismantling	Oct 19 '16	Dec 12 '16	47 days																					

**Construction of Public Rental Housing Development at Tung Chung Area 56**

ID	Task Name	Start	Finish	Duration	2014					2015					2016					2017			
					1st Quarter			3rd Quarter		1st Quarter			3rd Quarter		1st Quarter			3rd Quarter		1st Qu			
					Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov
545	<b>Block 3 &amp; 4</b>	<b>Apr 14 '16</b>	<b>Dec 14 '16</b>	<b>181 days</b>																			
546	Fair Face Formation	Apr 14 '16	Nov 5 '16	148 days																			
547	Water Tightness Test for Tie Bolt Holes	Apr 29 '16	Nov 29 '16	156 days																			
548	Spray Paint	Jun 25 '16	Dec 5 '16	123 days																			
549	P & D Pipework	Jul 8 '16	Dec 9 '16	121 days																			
550	Gas Pipework	Jul 14 '16	Dec 14 '16	121 days																			
551	Glazing Installation	Jul 14 '16	Nov 30 '16	109 days																			
552	Sealant Pointing	Aug 8 '16	Dec 14 '16	102 days																			
553	Water Tightness Test for Façade Joint and Windows	Aug 19 '16	Dec 7 '16	92 days																			
554	Finishing Works for External Wall after Material Hoist and Passenger Hoist Dismantling	Oct 19 '16	Dec 12 '16	47 days																			
555	<b>Internal Finishes (G/F - 1/F)</b>	<b>Apr 6 '16</b>	<b>Dec 12 '16</b>	<b>185 days</b>																			
556	Door Subframe	Apr 6 '16	May 31 '16	40 days																			
557	Blockwork	Apr 26 '16	Jul 4 '16	45 days																			
558	Door Kerb	Jun 22 '16	Jul 11 '16	12 days																			
559	Waterproofing	Jul 5 '16	Nov 29 '16	114 days																			
560	Wall Backing & Fair Face Formation	Jul 25 '16	Nov 5 '16	79 days																			
561	Floor Screeding	Aug 13 '16	Nov 10 '16	71 days																			
562	Wall Tiling	Aug 31 '16	Nov 11 '16	60 days																			
563	Floor Tiling	Sep 15 '16	Nov 26 '16	60 days																			
564	Skim coat and Painting	Sep 23 '16	Dec 5 '16	61 days																			
565	Door Set & Ironmongeries	Sep 29 '16	Nov 16 '16	40 days																			
566	Mail Box and Guard counter	Sep 23 '16	Dec 9 '16	65 days																			
567	Play Surfaces and Play Equipment	Oct 31 '16	Dec 12 '16	37 days																			
568	<b>External Finishes (G/F - 1/F)</b>	<b>Jun 15 '16</b>	<b>Dec 22 '16</b>	<b>147 days</b>																			
569	Fair Face Formation	Jun 15 '16	Nov 10 '16	111 days																			
570	Steel and Metal Works	Jul 27 '16	Nov 21 '16	90 days																			
571	Metal Door Louver and Windows	Aug 23 '16	Nov 21 '16	75 days																			
572	Shutter (shopfront)	Oct 17 '16	Nov 25 '16	35 days																			
573	Glass Door and Glass Shop Front	Oct 31 '16	Dec 22 '16	46 days																			
574	Signbox (shopfront)	Nov 10 '16	Dec 20 '16	35 days																			
575	Spray Paint	Oct 26 '16	Dec 5 '16	35 days																			
576	<b>Plumbing and Drainage Works</b>	<b>Nov 29 '14</b>	<b>Nov 29 '16</b>	<b>539 days</b>																			
577	Form WWO 46 Part I & II Submission	Nov 29 '14	Nov 29 '14	0 days																			
578	Plumbing and Drainage Pipework Installation for Block 1-4	Aug 19 '15	Nov 11 '16	333 days																			
579	Installation of Water Meter for Flat Unit	Sep 30 '16	Nov 29 '16	50 days																			
580	Hydraulic Test of Plumbing System	Sep 30 '16	Nov 29 '16	50 days																			
581	Leakage Test of Drainage System	Nov 1 '16	Nov 29 '16	25 days																			
582	<b>Building Services Installation</b>	<b>May 26 '14</b>	<b>Jan 25 '17</b>	<b>724 days</b>																			
583	<b>Electrical Works for Domestic Blocks</b>	<b>May 26 '14</b>	<b>Jan 17 '17</b>	<b>718 days</b>																			
584	Concealed Conduit Installation & Other Conduit Works	May 26 '14	Jun 30 '16	565 days																			
585	Wiring Works	Sep 11 '15	Oct 17 '16	293 days																			
586	Handover of TX Room for NSCs	Apr 12 '16	Apr 12 '16	0 days																			
587	TX Room Inspection & Handover to CLP	May 27 '16	May 27 '16	0 days																			
588	Make Available Vehicular Access for TX Installation	May 9 '16	May 9 '16	0 days																			
589	Make Available 1.5m Wide Area for UG Cable Route to CLP	May 27 '16	May 27 '16	0 days																			
590	Handover of Main Switch Room for NSC	Mar 14 '15	Mar 14 '15	0 days																			
591	Handover of Low Zone Meter Rooms for NSC	Mar 29 '16	Mar 29 '16	0 days																			
592	Handover of High Zone Meter Rooms to NSC	May 27 '16	May 27 '16	0 days																			
593	Handover of Genset Room for NSC	Sep 21 '16	Sep 21 '16	0 days																			
594	Make Available Vehicular Access for Transportation of Equipment to Genset & Main Switch Rm	Jul 22 '16	Jul 22 '16	0 days																			
595	Make Available the U/G Cable Ducts and Draw Pits to NSC and CLP	Sep 19 '16	Sep 19 '16	0 days																			







Construction of Public Rental Housing Development at Tung Chung Area 56

ID	Task Name	Start	Finish	Duration	2014												2015						2016						2017	
					1st Quarter				3rd Quarter				1st Quarter				3rd Quarter				1st Quarter				3rd Quarter				1st Qu	
					Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May				
698	Make Available water tanks & pump rooms to NSC	Nov 11 '16	Nov 11 '16	0 days																										
699	FS installation & water pump installation	Nov 12 '16	Dec 19 '16	32 days																										
700	Testing & commissioning (EL, FS, P&D)	Dec 20 '16	Jan 6 '17	14 days																										
701	<b>Wet Market</b>	<b>Nov 9 '15</b>	<b>Jan 20 '17</b>	<b>326 days</b>																										
702	<b>RC structure (Detailed Programmed to be Submitted Separately)</b>	<b>Nov 9 '15</b>	<b>Nov 16 '16</b>	<b>274 days</b>																										
703	Excavation for the footing	Nov 9 '15	Dec 1 '15	20 days																										
704	<b>Zone 1</b>	<b>Nov 19 '15</b>	<b>Nov 11 '16</b>	<b>261 days</b>																										
705	ELSW & Footing construction	Nov 19 '15	Dec 30 '15	33 days																										
706	Footing to G/F beam and slab construction and UG Drainage Works	Dec 31 '15	May 9 '16	94 days																										
707	G/F - M/F construction	May 11 '16	Jul 18 '16	45 days																										
708	M/F - roof construction	Jul 18 '16	Oct 6 '16	60 days																										
709	Planter wall & other RC features on roof	Oct 7 '16	Nov 11 '16	30 days																										
710	<b>Zone 2</b>	<b>Dec 5 '15</b>	<b>Oct 17 '16</b>	<b>225 days</b>																										
711	ELSW & Footing construction	Dec 5 '15	Jan 16 '16	30 days																										
712	Footing to G/F beam and slab construction and UG Drainage Works	Jan 18 '16	May 19 '16	90 days																										
713	G/F - roof construction	May 20 '16	Aug 22 '16	60 days																										
714	Planter wall & other RC features on roof	Aug 23 '16	Oct 17 '16	45 days																										
715	<b>Zone 3</b>	<b>Dec 22 '15</b>	<b>Oct 25 '16</b>	<b>219 days</b>																										
716	ELSW & Footing construction	Dec 22 '15	Jan 29 '16	28 days																										
717	Footing to G/F beam and slab construction and UG Drainage Works	Jan 30 '16	May 20 '16	80 days																										
718	G/F - roof construction	May 23 '16	Aug 30 '16	66 days																										
719	Planter wall & other RC features on roof	Aug 31 '16	Oct 25 '16	45 days																										
720	<b>Zone 4 (After Removal of Tower Crane for Block 2)</b>	<b>Jun 18 '16</b>	<b>Nov 16 '16</b>	<b>113 days</b>																										
721	ELSW & Footing construction	Jun 18 '16	Jul 9 '16	14 days																										
722	Footing to G/F beam and slab construction and UG Drainage Works	Jul 11 '16	Aug 22 '16	28 days																										
723	G/F - M/F construction	Aug 23 '16	Sep 30 '16	33 days																										
724	M/F - roof construction	Sep 30 '16	Oct 31 '16	25 days																										
725	Planter wall & other RC features on roof	Nov 1 '16	Nov 16 '16	14 days																										
726	<b>Finishing Works</b>	<b>Sep 24 '16</b>	<b>Jan 20 '17</b>	<b>96 days</b>																										
727	Roof Finishing Works	Nov 8 '16	Jan 20 '17	60 days																										
728	Internal Finishing Works	Sep 24 '16	Jan 12 '17	90 days																										
729	External Wall Finishing Works	Nov 3 '16	Jan 16 '17	60 days																										
730	<b>Building services installation</b>	<b>Aug 5 '16</b>	<b>Dec 28 '16</b>	<b>113 days</b>																										
731	Builder's works & BS installation in G/F TX Rm + Switch Rm	Sep 30 '16	Oct 8 '16	7 days																										
732	Clear 1.5m area on external U/G cable	Oct 8 '16	Oct 8 '16	0 days																										
733	Make available vehicular access to Tx Rm	Oct 8 '16	Oct 8 '16	0 days																										
734	Handover Main Switch Room to NSC	Oct 8 '16	Oct 8 '16	0 days																										
735	Handover TX Rm to CLP	Oct 8 '16	Oct 8 '16	0 days																										
736	CLP installation in TX Rm. & lead-in cables wiring	Oct 8 '16	Nov 22 '16	45 edays																										
737	Power energisation to Wet Market by CLP	Nov 22 '16	Dec 7 '16	14 days																										
738	Builder's works & BS installation in M/F Genset Rm	Oct 19 '16	Oct 26 '16	7 days																										
739	Handover Genset Rm to NSC	Oct 26 '16	Oct 26 '16	0 days																										
740	Genset installation by NSC	Oct 27 '16	Nov 30 '16	30 days																										
741	Builder's works & BS installation in M/F FS Pump Rm + G/F FS Control Rm	Oct 17 '16	Oct 24 '16	7 days																										
742	Handover M/F FS Pump Rm + G/F FS Control Rm to NSC	Oct 24 '16	Oct 24 '16	0 days																										
743	FS Installation & Water Pump Installation	Oct 25 '16	Dec 9 '16	40 days																										
744	Handover Chiller Plant Room to NSC	Aug 5 '16	Aug 5 '16	0 days																										
745	Handover AHU Room and Fan Room to NSC	Oct 15 '16	Oct 15 '16	0 days																										
746	AHU System Installation	Oct 18 '16	Dec 28 '16	60 days																										
747	<b>Section 6 - Fit-out to Wet Market</b>	<b>Dec 17 '14</b>	<b>Jan 23 '17</b>	<b>567 days</b>																										
748	Confirmation for the Scope for Fitting-out of Wet Market	Dec 17 '14	Dec 17 '14	0 days																										



Construction of Public Rental Housing Development at Tung Chung Area 56

ID	Task Name	Start	Finish	Duration	2014				2015				2016				2017	
					1st Quarter		3rd Quarter		1st Quarter		3rd Quarter		1st Quarter		3rd Quarter		1st Qu	
					Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan
749	Issue Drawings for Fitting-out of Wet Market (SI - A053)	Dec 17 '14	Dec 17 '14	0 days														
750	Wet & Dry Stall Installation	Sep 29 '16	Jan 4 '17	80 days														
751	GMS Bulkhead & Signage Installation	Nov 23 '16	Jan 11 '17	40 days														
752	Associated Building Services Installation	Oct 28 '16	Jan 9 '17	60 days														
753	Inspection & Handover	Jan 10 '17	Jan 23 '17	10 days														
754	<b>Section 7 - Estate Road, EVA, Carriageway &amp; Basement Car park</b>	<b>Aug 25 '14</b>	<b>Jan 19 '17</b>	<b>658 days</b>														
755	<b>Basement car park</b>	<b>Aug 25 '14</b>	<b>Jan 5 '17</b>	<b>648 days</b>														
756	<b>RC structure</b>	<b>Aug 25 '14</b>	<b>Oct 8 '16</b>	<b>575 days</b>														
757	Pipe pile installation & grout curtain	Aug 25 '14	Jan 21 '15	120 days														
758	Pumping test and report submission	Jan 22 '15	Feb 7 '15	15 days														
759	Submit as-built record to CM for Approval	Feb 9 '15	Mar 11 '15	22 days														
760	Submit ICU14 & Obtain CM's Approval for Bulk Excavation Work	Mar 11 '15	Apr 2 '15	22 edays														
761	ELS for the footing/Plate Load Test	Apr 7 '15	Sep 7 '15	109 days														
762	Submit as-built ELS record to CM	Aug 22 '15	Sep 7 '15	12 days														
763	Obtain consent for footing construction	Aug 5 '15	Sep 7 '15	24 days														
764	Footing construction	Sep 8 '15	Nov 27 '15	65 days														
765	Footing - G/F construction	Nov 13 '15	May 25 '16	143 days														
766	Dismantling of ELSW	Oct 14 '15	Jun 1 '16	173 days														
767	Waterproofing / Underground Drainage / On Grade Slab	Jun 2 '16	Oct 8 '16	90 days														
768	<b>Finishes &amp; building services</b>	<b>Sep 30 '16</b>	<b>Jan 5 '17</b>	<b>80 days</b>														
769	Car park wall & ceiling finishes	Sep 30 '16	Nov 23 '16	45 days														
770	Building services & plant rooms installation	Nov 1 '16	Dec 22 '16	45 days														
771	Car park floor finishes	Oct 27 '16	Dec 23 '16	50 days														
772	Elevated walkway, bicycle parking & planter finishes	Nov 24 '16	Dec 30 '16	30 days														
773	Painting works & signage	Nov 19 '16	Jan 5 '17	39 days														
774	<b>Building services installation</b>	<b>Sep 30 '16</b>	<b>Dec 10 '16</b>	<b>60 days</b>														
775	Builder's works & BS installation in Fan Rm,FS Pump rm,Sump Pit Rm & Switch Rm	Sep 30 '16	Oct 19 '16	15 days														
776	Make Available the Fan Room to NSC	Oct 19 '16	Oct 19 '16	0 days														
777	Air Exhaust System Installation	Oct 20 '16	Dec 10 '16	45 days														
778	Make Available the Pump & Sump Pit Room to NSC	Oct 31 '16	Oct 31 '16	0 days														
779	FS pipe & water pump installation	Nov 1 '16	Nov 23 '16	20 days														
780	Make Available the Switch Room to NSC	Oct 19 '16	Oct 19 '16	0 days														
781	E & M installation	Oct 20 '16	Dec 10 '16	45 days														
782	<b>Estate Road, EVA &amp; Carriageway</b>	<b>Apr 10 '15</b>	<b>Jan 19 '17</b>	<b>478 days</b>														
783	Issuance of U/G drainage & Utilities/run-in Connections location to Road L16	Apr 10 '15	Apr 10 '15	0 days														
784	Make Available to Electrical sub-contractor the underground cable ducts and draw pits	Sep 29 '16	Sep 29 '16	0 days														
785	Make available to the Town Gas Co. the area along the external underground route	Oct 29 '16	Oct 29 '16	0 days														
786	Make available to the FTNS the area along the external underground route	Aug 30 '16	Aug 30 '16	0 days														
787	Underground Drainage & Utilities Installation (Details to be submitted separately)	Oct 15 '15	Dec 5 '16	310 days														
788	EVA	Nov 16 '16	Dec 20 '16	30 days														
789	Paving works	Dec 6 '16	Jan 12 '17	30 days														
790	External furniture	Dec 12 '16	Jan 19 '17	30 days														
791	Signage & Road marking	Dec 12 '16	Jan 19 '17	30 days														
792	CCTV for U/G Drainage System	Dec 6 '16	Dec 30 '16	20 days														
793	<b>Section 8 - Temporary Sewage Pumping Station including Rising Mains</b>	<b>Nov 25 '14</b>	<b>Nov 9 '16</b>	<b>527 days</b>														
794	Submit the EO to CM and EPD Approval	Nov 25 '14	Nov 25 '14	0 days														
795	Rising Mains for Sewage Pumping	May 30 '16	Oct 5 '16	90 days														
796	Plant & M&E Installation of the TSPS (4 months)	May 13 '16	Sep 10 '16	120 edays														
797	Testing & Commissioning of the TSPS (2 months)	Sep 10 '16	Nov 9 '16	60 edays														
798	<b>Section 9 - Remaining Works</b>	<b>Aug 20 '15</b>	<b>Dec 22 '16</b>	<b>367 days</b>														
799	<b>Last Manhole Connections (Details to be Submitted Separately)</b>	<b>Nov 16 '15</b>	<b>Dec 19 '16</b>	<b>296 days</b>														





## **APPENDIX D**

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### Waste Flow Table

**Temporary Sewage Pumping Station  
Ancillary to Tung Chung Area 56 Public Housing Development  
Waste Flow Table**

Month	Estimated Annual Quantities of Inert C&D Materials (in '000 Kg)					Estimated Quantities of C&D Waste					
	Total Quantity Generated	Suitable for Recycled Aggregates	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Metals	Paper/cardboard packaging	Plastics (see Note 2)	Chemical Waste	Others, e.g. general refuse	Timber
	(a)	(b)	(c)	(d)	(e=a-b-c-d)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000litre)	(in '000 Kg)	(in '000 Kg)
2014											
November	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.160	0.000
December	4.910	0.000	0.000	0.000	4.910	0.000	0.000	0.000	0.000	5.830	0.000
2015											
January	5.970	0.000	0.000	0.000	5.970	0.000	0.000	0.000	0.000	2.880	0.000
February	4.540	0.000	0.000	0.000	4.540	0.000	0.000	0.000	0.000	2.450	0.000
March	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.480	0.000
April	1097.040	0.000	0.000	0.000	1097.040	0.000	0.000	0.000	0.000	1.930	0.000
May	467.250	0.000	0.000	0.000	467.250	0.000	0.000	0.000	0.000	6.520	0.000
June	1237.690	0.000	0.000	0.000	1237.690	0.000	0.000	0.000	0.000	9.720	0.000
July	61.480	0.000	0.000	0.000	61.480	0.000	0.000	0.000	0.000	8.680	0.000
August	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.210	0.000
September	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.170	0.000
October	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.180	0.000
November	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.940	0.000
December	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.380	0.000
2016											
January	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.820	0.000
February	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.230	0.000
March	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.640	0.000
April	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.100	0.000
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.830	0.000
June	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.310	0.000
July	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.820	0.000
August	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.690	0.000
September	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.880	0.000
October	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.720	0.000
November											
<b>Grand Total</b>	<b>2878.880</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>2878.880</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>145.570</b>	<b>0.000</b>

Notes: (1) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.

(2) Plastics refer to plastic bottles / containers, plastic sheets / foam from packaging material



## **APPENDIX E**

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### Environmental Licenses and Permits

## Summary of Environmental Licences and Permits Application and Status

### Environmental Permit (EP)

EP No.	EP Holder	Date of EP Issued	Expiry Date	Area Coverage	Status
EP-452/2013	Hong Kong Housing Authority	6 Jun 2013	N/A	TSPS Only	Active

### Notification of Carrying Out Notifiable Works under Air Pollution Control (Construction Dust) Regulation

Notification Ref. No.	Area Coverage	Valid Since	Expiry Date
367052	Entire Site of the Contract (include TSPS)	13 Nov 2013	N/A

### Billing Account for Disposal of Construction Works

Billing Account No.	Area Coverage	Valid Since	Expiry Date
7018949	Entire Site of the Contract (include TSPS)	16 Dec 2013	N/A

### Chemical Waste Producer Registration

Waste Producer No.	Area Coverage	Major Chemical Waste Type	Valid Since	Expiry Date
5213-950-H2913-43	Entire Site of the Contract (include TSPS)	Spent lubricant, Spent Flammable Liquid, Spent organic solvent, contaminated rags	19 Nov 2014	N/A

### Wastewater Discharge Licence

Licence Number	Area Coverage	Valid Since	Expiry Date
WT00018218-2014	Entire Site of the Contract (include TSPS)	30 Jan 2014	31 Jan 2019

**Construction Noise Permit (CNP)**

<b>CNP Number</b>	<b>Area Coverage</b>	<b>Valid Since</b>	<b>Expiry Date</b>	<b>Current Status</b>
GW-RS1162-14	Entire Site of the Contract (include TSPS)	24 Oct 2014	23 Apr 2015	Expired
GW-RS0418-15	Entire Site of the Contract (include TSPS)	24 Apr 2015	23 Oct 2015	Expired
GW-RS1088-15	Entire Site of the Contract (include TSPS)	24 Oct 2015	23 Apr 2016	Expired
GW-RS1379-15	Entire Site of the Contract (include TSPS)	29 Dec 2015	28 Jun 2016	Expired
GW-RS0525-16	Entire Site of the Contract (include TSPS)	29 Jun 2016	28 Dec 2016	Expired, as replaced by GW-RS0796-16
GW-RS0796-16	Entire Site of the Contract (include TSPS)	29 Jul 2016	28 Jan 2017	Active



## **APPENDIX F**

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### **Statistics on Environmental Complaints, Notification of Summons and Successful Prosecutions**



**Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions**

Reporting period	Complaints	Notifications of Summons	Successful Prosecutions
24th Reporting Month (1 Oct 2016 – 31 Oct 2016)	0	0	0
Cumulative Statistics (19 Nov 2014 – 31 Oct 2016)	0	0	0